

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	1
ILLINOIS		CONTRACT NO. 76U38		

*MADISON AND ST. CLAIR

INDEX OF SHEETS

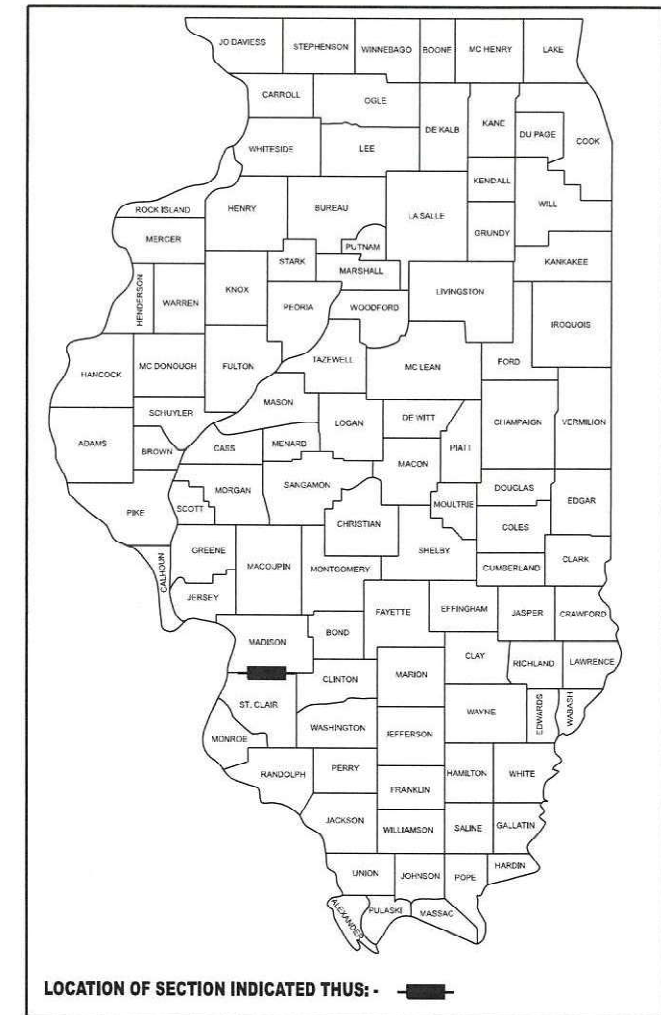
- 1 COVER SHEET
- 2 GENERAL NOTES AND HIGHWAY STANDARDS
- 3 TO 8 SUMMARY OF QUANTITIES
- 9 TO 13 TRAFFIC SIGNAL DETAILS - IL ROUTE 100 AT US ROUTE 6
- 14 TO 18 TRAFFIC SIGNAL DETAILS - IL ROUTE 143 AT IL ROUTE 111
- 19 TO 23 TRAFFIC SIGNAL DETAILS - IL ROUTE 143 AT OLD ST. LOUIS ROAD
- 24 TO 28 TRAFFIC SIGNAL DETAILS - IL ROUTE 161 AT FULLERTON ROAD
- 29 TO 33 TRAFFIC SIGNAL DETAILS - IL ROUTE 161 AT LEBANON AVENUE
- 34 TO 38 TRAFFIC SIGNAL DETAILS - IL ROUTE 3 AT STOLLE ROAD
- 39 TO 44 BORING LOGS

**PROPOSED
HIGHWAY PLANS**

**VARIOUS ROUTES
SECTION DIST 8 TS REPLACE 2026-1
PROJECT STP-OPS4(714)
TRAFFIC SIGNAL REPLACEMENT
MADISON & ST. CLAIR**

C-98-090-25

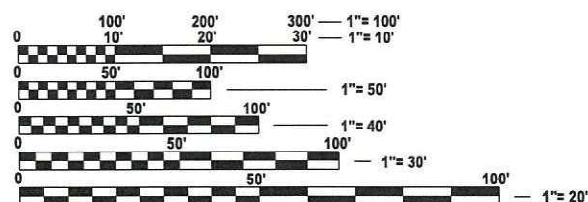
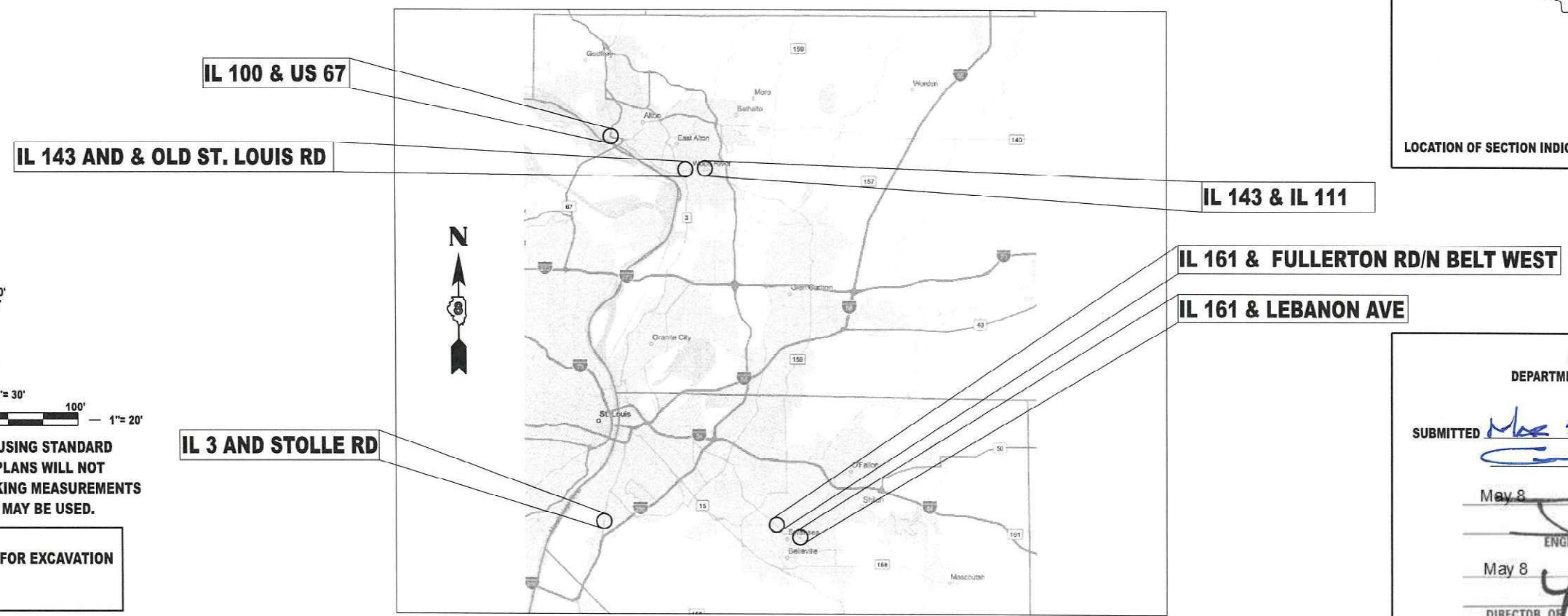
D-98-033-25



PROFESSIONAL ENGINEER'S SIGN & SEAL

FOR SHEETS: 1-39

TOBY C. MICKEY, P.E.
EXPIRES 11-30-2027



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER CHERYL KEPLAR
PROJECT MANAGER RICHARD BARBEE

CONTRACT NO. 76U38

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 26 2026

[Signature]
REGIONAL ENGINEER

May 8 2026
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 8 2026
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

GENERAL NOTES

1 UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA:

UTILITY	TYPE	ABOVE GROUND	BELOW GROUND
CITY OF ALTON	SANITARY SEWER		X
AMEREN ILLINOIS	GAS & ELECTRIC	X	X
AT&T ILLINOIS	COMMUNICATIONS	X	X
CITY OF BELLEVILLE	SANITARY SEWER		X
WOOD RIVER BP AMOCO PIPELINE	PIPELINE		X
VILLAGE OF CAHOKIA	WATER AND SANITARY SEWER		X
CHARTER COMMUNICATIONS, INC.	COMMUNICATIONS	X	X
CLEARWAVE FIBER LLC	COMMUNICATIONS	X	X
CITY OF COLUMBIA	WATER AND SANITARY SEWER		X
VILLAGE OF DUPO	GAS		X
VILLAGE OF DUPO	WATER AND SANITARY SEWER		X
CITY OF FAIRVIEW HEIGHTS	SANITARY SEWER		X
FIDELITY COMMUNICATIONS III, INC.	COMMUNICATIONS	X	X
HARRISONVILLE TELEPHONE COMPANY	COMMUNICATIONS	X	X
I3 BROADBAND	COMMUNICATIONS	X	X
ILLINOIS AMERICAN WATER COMPANY	WATER		X
VERIZON BUSINESS	COMMUNICATIONS	X	X
CITY OF O'FALLON	COMMUNICATIONS	X	X
CITY OF O'FALLON	WATER AND SANITARY SEWER		X
CITY OF O'FALLON	ELECTRIC	X	X
PRAIRIE DU PONT PBULIC WATER DISTRICT	WATER		X
SUGAR LOAF TOWNSHIP SEWER SYSTEM	SANITARY SEWER		X
VILLAGE OF SWANSEA	SANITARY SEWER		X
CITY OF WOOD RIVER	WATER AND SANITARY SEWER		X
WOOD RIVER DRAINAGE & LEVEE DISTRICT	SANITARY SEWER		X

2 EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE LOCAL AGENCIES, OWNERS, AND FIELD SURVEYS. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE, NATURE AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPURTENANCES WITH THE LIMITS OF IMPROVEMENTS.

3 THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUBCONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSE WORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

4 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

5 ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY. ACCORDING TO THE ARTICLE 202.30 OF THE STANDARD SPECIFICATION AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COSTS OF THE UNDERGROUND CONDUIT.

6 ALL ELEVATIONS REFER TO THE USGS MEAN SEA LEVEL DATUM.

7 ALL TURF AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

8 THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR ELECTRICAL CABLES ASSOCIATED WITH TRAFFIC SIGNALS WITHIN THE PROJECT LIMITS. IF ANY OF THESE EXIST WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ATRICLE 109.04 OF THE STANDARD SPECIFICATIONS.

9 RESTORATION IS TO BE INCLUDED IN THE COST OF THE APPLICABLE PAY ITEM.

HIGHWAY STANDARDS

- 000001-09 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, IS' (4.5 M) TO 24"(600 MM) FROM PAVEMENT EDGE
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, IS' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-06 URBAN LANE CLOSURE, 2L 2W, UNDIVIDED
- 701611-01 URBAN HALF ROAD CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER TO CROSSWALK CLOSURE
- 701901-11 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720016-04 MAST ARM MOUNTED STREET NAME SIGNS
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001-03 HANDHOLES
- 814006-03 DOUBLE HANDHOLES
- 838001-01 BREAKAWAY DEVICES
- 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'
- 878001-11 CONCRETE FOUNDATION DETAILS
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

TRAFFIC SIGNAL LEGEND

- REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
- POLYVINYL CHLORIDE CONDUIT
- GALVANIZED STEEL CONDUIT
- EXISTING TRAFFIC SIGNAL MAST ARM
- EXISTING HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING DETECTOR LOOP
- EXISTING CONTROLLER
- EXISTING STREET NAME SIGN/TRAFFIC SIGN
- EXISTING SERVICE INSTALLATION
- PROPOSED TRAFFIC SIGNAL MAST ARM
- PROPOSED HANDHOLE
- PROPOSED DOUBLE HANDHOLE
- PROPOSED DETECTOR LOOP
- PROPOSED CONDUIT; "T" TRENCH, "P" PUSH, SIZE SPECIFIED

COMMITMENTS

NONE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, HIGHWAY STANDARDS
TRAFFIC SIGNAL LEGEND & COMMITMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	2
			CONTRACT NO. 76U38	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES				Madison Cnty 0021 80 FED/ 20 STATE	Madison Cnty 0021 80 FED/ 20 STATE	Madison Cnty 0021 80 FED/ 20 STATE	St. Clair Cnty 0021 80 FED/ 20 STATE	St. Clair Cnty 0021 80 FED/ 20 STATE	St. Clair Cnty 0021 80 FED/ 20 STATE
Code No.	Item	Unit	Total Quantity	IL Rte 100 & US Rte 67	IL Rte 143 and IL Rte 111	IL 143 & Old St. Louis Road	IL Rte 161 & Fullerton Rd./N Belt West	IL 161 & Lebanon Ave	IL 3 & Stolle Rd
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	150	25	25	25	25	25	25
44000600	SIDEWALK REMOVAL	SQ FT	150	25	25	25	25	25	25
67100100	MOBILIZATION	L SUM	1	0.16	0.16	0.17	0.17	0.17	0.17
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.16	0.16	0.17	0.17	0.17	0.17
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	0.16	0.16	0.17	0.17	0.17	0.17
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.16	0.16	0.17	0.17	0.17	0.17
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.16	0.16	0.17	0.17	0.17	0.17
72000100	SIGN PANEL - TYPE 1	SQ FT	83	14		44	14		12
72000200	SIGN PANEL - TYPE 2	SQ FT	131	35	40		38	18	
80500100	SERVICE INSTALLATION, TYPE A	EACH	6	1	1	1	1	1	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	78						78
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	264	138				126	
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2627	318	340	495	665	396	413
81028330	UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	370	73	66	45			186

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	3
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES				Madison Cnty 0021 80 FED/ 20 STATE	Madison Cnty 0021 80 FED/ 20 STATE	Madison Cnty 0021 80 FED/ 20 STATE	St. Clair Cnty 0021 80 FED/ 20 STATE	St. Clair Cnty 0021 80 FED/ 20 STATE	St. Clair Cnty 0021 80 FED/ 20 STATE
Code No.	Item	Unit	Total Quantity	IL Rte 100 & US Rte 67	IL Rte 143 and IL Rte 111	IL 143 & Old St. Louis Road	IL Rte 161 & Fullerton Rd./N Belt West	IL 161 & Lebanon Ave	IL 3 & Stolle Rd
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2681	74	458	504	278	945	422
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	755	79	120	212	135	144	65
81028400	UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	30	5	5	5	5	5	5
81400100	HANDHOLE	EACH	39	4	5	8	7	10	5
81400200	HEAVY-DUTY HANDHOLE	EACH	3			1	2		
81400300	DOUBLE HANDHOLE	EACH	9	3	1	1	1	2	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	6	1	1	1	1	1	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6	1	1	1	1	1	1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	4		1		1	1	1
85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1			1			
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	8340	1647	1284	1907		3502	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	11089	1737	1356	2039	1368	4589	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	16073	1604	2560	1782	3421	4740	1966
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	8440	1587	1302	1504	2473		1574

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	4
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

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Code No.	Item	Unit	Total Quantity	IL Rte 100 & US Rte 67	IL Rte 143 and IL Rte 111	IL 143 & Old St. Louis Road	IL Rte 161 & Fullerton Rd./N Belt West	IL 161 & Lebanon Ave	IL 3 & Stolle Rd
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	11779	726	1248	2577	1702	4159	1367
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	508	50	100	177	50	35	96
87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	2	1		1			
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	21	4	4	6	3	4	
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2				2		
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2	1		1			
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	4		2	2			
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	2		1				1
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	1					
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	2	2					
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1						1
87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	5		1		1	3	
87700340	STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	2				1	1	
87700404	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	3			1			2

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CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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F/A RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	5
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ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

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Code No.	Item	Unit	Total Quantity	IL Rte 100 & US Rte 67	IL Rte 143 and IL Rte 111	IL 143 & Old St. Louis Road	IL Rte 161 & Fullerton Rd./N Belt West	IL 161 & Lebanon Ave	IL 3 & Stolle Rd
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	92	16	16	32	12	16	
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	24	4	4	4	4	4	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	268	54	52	37	37	45	43
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	84			21	21	21	21
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	26	5	4	1	4	8	4
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	45	5	8	7	7	12	6
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	8	4			4		
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	9	5			4		
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	11		4	3			4
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	11		4	3			4
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	36	10	8	10		8	
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	58	10	12	10	8	8	10
88500100	INDUCTIVE LOOP DETECTOR	EACH	73	13	14	16	13	8	9
88600100	DETECTOR LOOP, TYPE I	FOOT	10656	1456	1440	1929	1376	2199	2256

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CONSULTING ENGINEERS
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Downers Grove, IL 60516

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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H.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				Madison Cnty 0021 80 FED/ 20 STATE	Madison Cnty 0021 80 FED/ 20 STATE	Madison Cnty 0021 80 FED/ 20 STATE	St. Clair Cnty 0021 80 FED/ 20 STATE	St. Clair Cnty 0021 80 FED/ 20 STATE	St. Clair Cnty 0021 80 FED/ 20 STATE
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88700200	LIGHT DETECTOR	EACH	8				4	4	
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2				1	1	
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1					
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	57351	7351	7516	11135	7062	17028	7259
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6	1	1	1	1	1	1
89502380	REMOVE EXISTING HANDHOLE	EACH	32	4	6	4	10	3	5
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	8	1	1	2		3	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	54	7	9	9	11	13	5
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	2311				1368	943	
X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1			1			
X7240500	RELOCATE EXISTING SIGNS	EACH	60	45	8	3	1		3
X8570231	FULL-ACTUATED CONTROLLER AND TYPE V CABINET (SPECIAL)	EACH	1	1					
X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	6	1	1	1	1	1	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	35	10	8	9		8	

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PLOT DATE = 3/19/2026	DATE - 02/13/2026	REVISED -

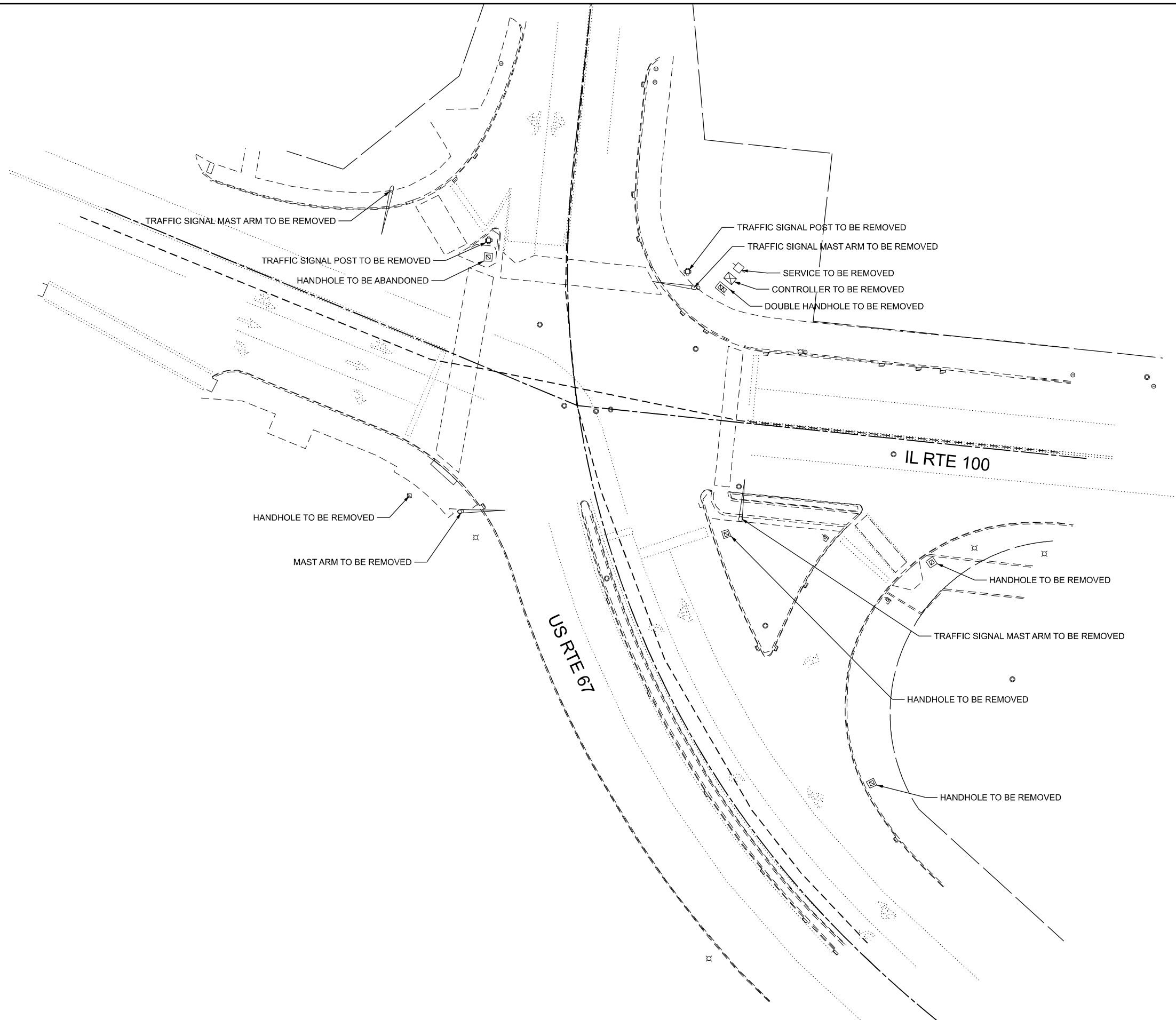
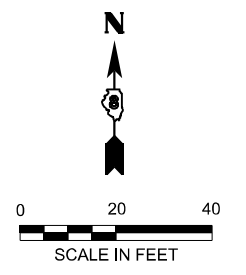
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	7
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				

REV - MS



FILE NAME: D:\876\38-shr-s-01-Removal-100 at 67.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60516

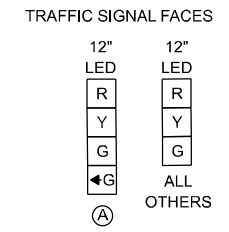
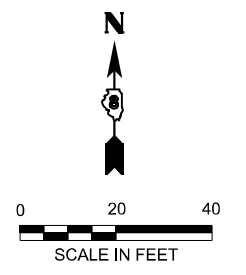
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PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 5/14/2025	CHECKED - TCM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL
 IL RTE 100 AT US RTE 67**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

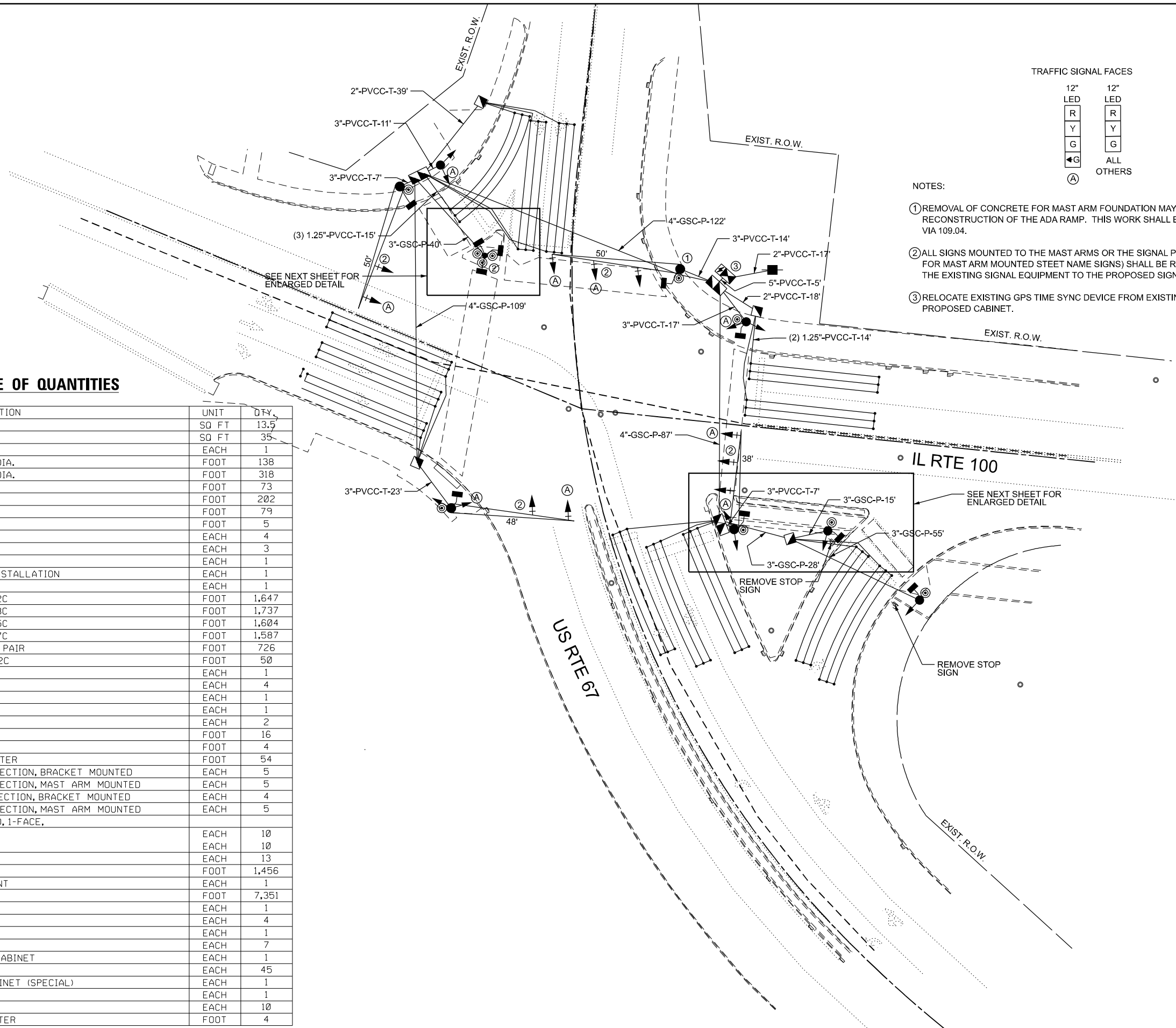
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	9
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				



- NOTES:
- REMOVAL OF CONCRETE FOR MAST ARM FOUNDATION MAY REQUIRE RECONSTRUCTION OF THE ADA RAMP. THIS WORK SHALL BE PAID FOR VIA 109.04.
 - ALL SIGNS MOUNTED TO THE MAST ARMS OR THE SIGNAL POSTS (EXCEPT FOR MAST ARM MOUNTED STREET NAME SIGNS) SHALL BE RELOCATED FROM THE EXISTING SIGNAL EQUIPMENT TO THE PROPOSED SIGNAL EQUIPMENT.
 - RELOCATE EXISTING GPS TIME SYNC DEVICE FROM EXISTING CABINET TO PROPOSED CABINET.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	13.5
SIGN PANEL - TYPE 2	SQ FT	35
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	138
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	318
UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	73
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	202
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	79
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	5
HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	3
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,647
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,737
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,604
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,587
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	726
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	50
TRAFFIC SIGNAL POST, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED W COUNTDOWN TIMER	EACH	10
TRAFFIC SIGNAL BACKPLATE	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	13
DETECTOR LOOP, TYPE 1	FOOT	1,456
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7,351
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
RELOCATE EXISTING SIGNS	EACH	45
FULL-ACTUATED CONTROLLER AND TYPE V CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4



FILE NAME: D876U38-shr-14-02-installation-100 at 67.dgn



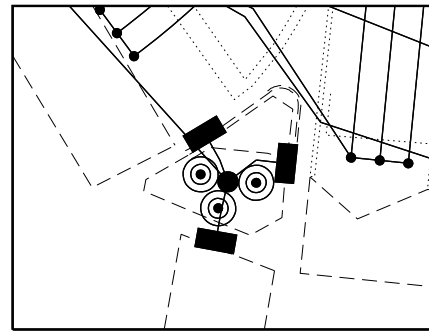
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PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

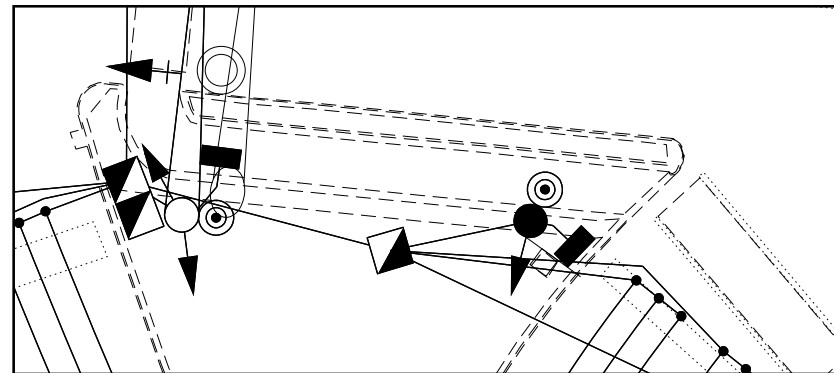
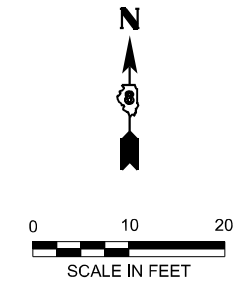
**TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 100 AT US RTE 67**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	10
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				



NW CORNER, 1" = 10'



SE CORNER, 1" = 10'

FILE NAME: D:\876U38-shr-as-03-Details-100 at 67.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - TCM	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TCM	REVISED -
PLOT DATE = 5/14/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
IL RTE 100 AT US RTE 67

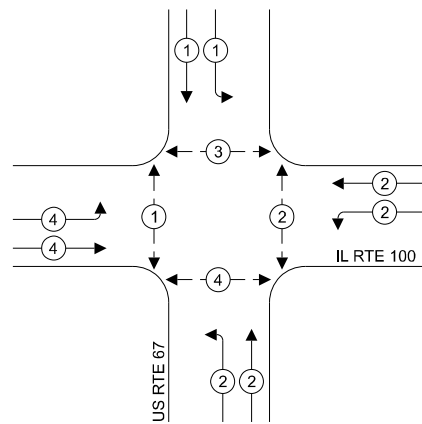
SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	11
			CONTRACT NO. 76U38	
		ILLINOIS	FED. AID PROJECT	

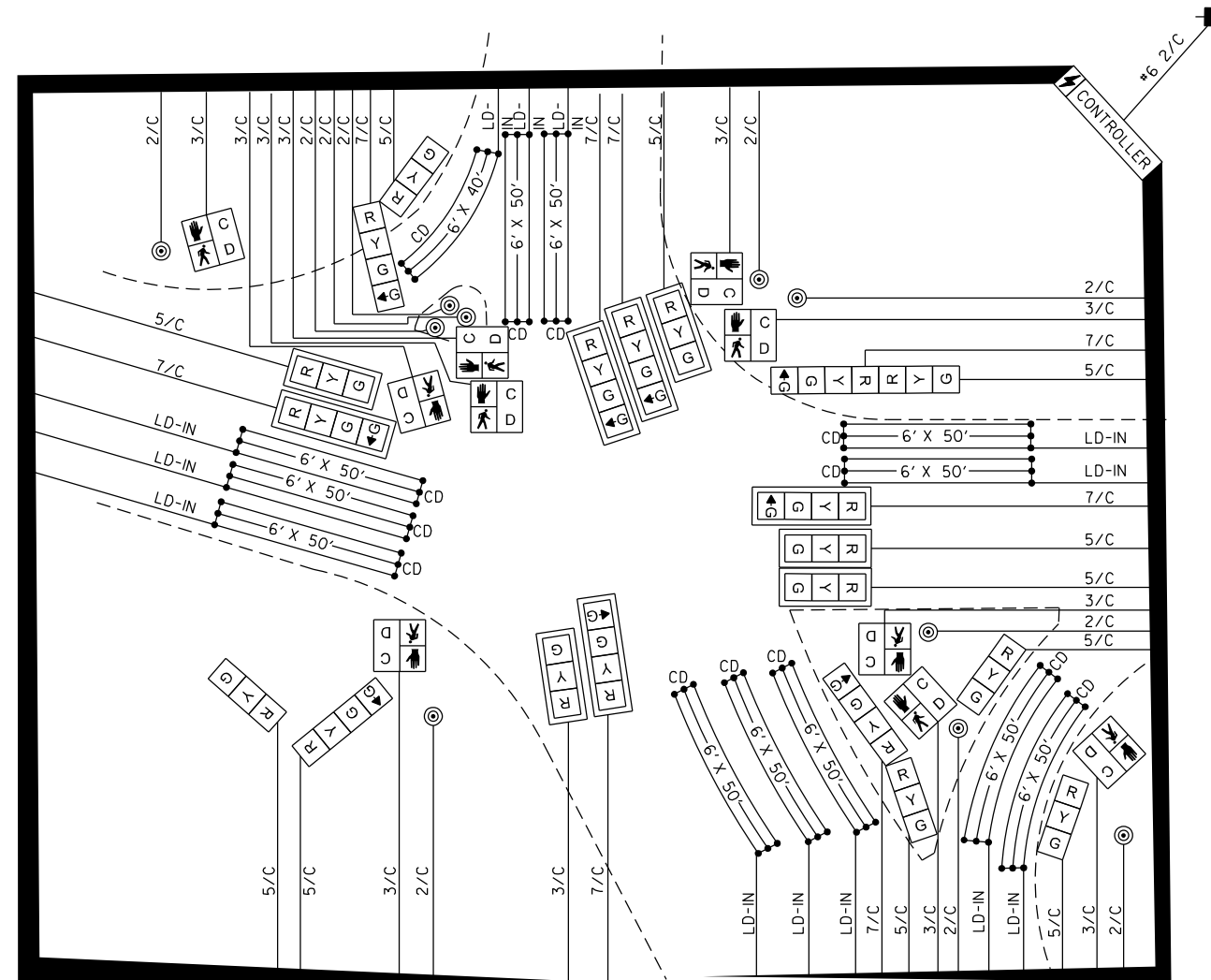
CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- S CABLE SPLICE (SEE GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- PROPOSED SERVICE INSTALLATION
- ⚡ PROPOSED BATTERY BACKUP
- *6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↕↕↕	↔↔↔	↔↔↔	↔↔↔	NOT USED	NOT USED	NOT USED	NOT USED
CONCURRENT MOVEMENT ALLOWED	NONE	NONE	NONE	NONE	NOT USED	NOT USED	NOT USED	NOT USED



**PHASE DESIGNATION
DIAGRAM**



IL RTE 100

US RTE 67



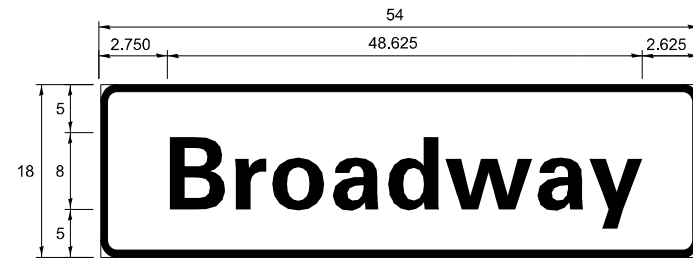
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USER NAME = msomer	DESIGNED -	REVISED -
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PLOT DATE = 3/27/2026	CHECKED -	REVISED -
	DATE -	REVISED -

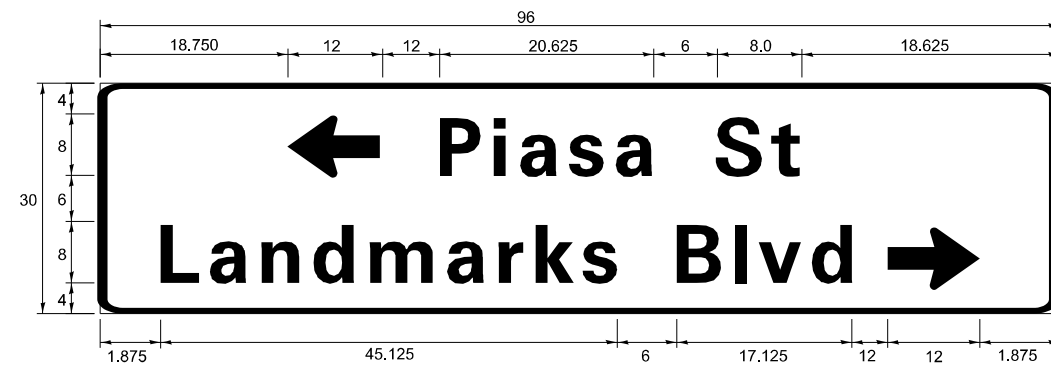
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	12
CONTRACT NO. 76U38			ILLINOIS FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2

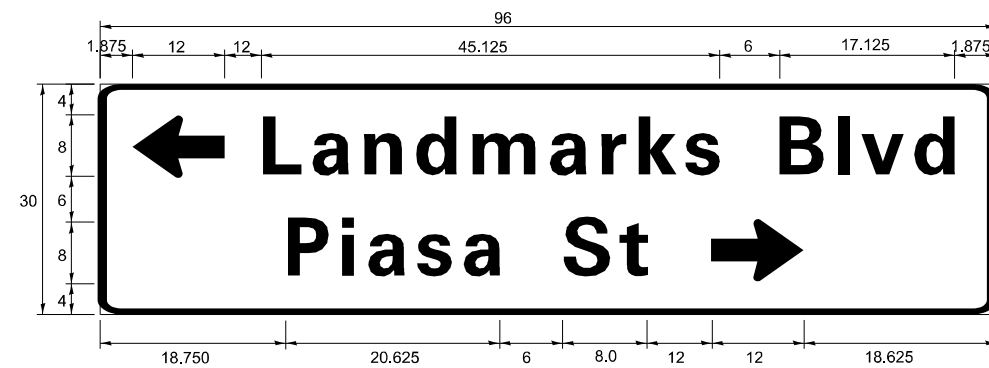
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	20.0	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	20.0	2	ZZ	1

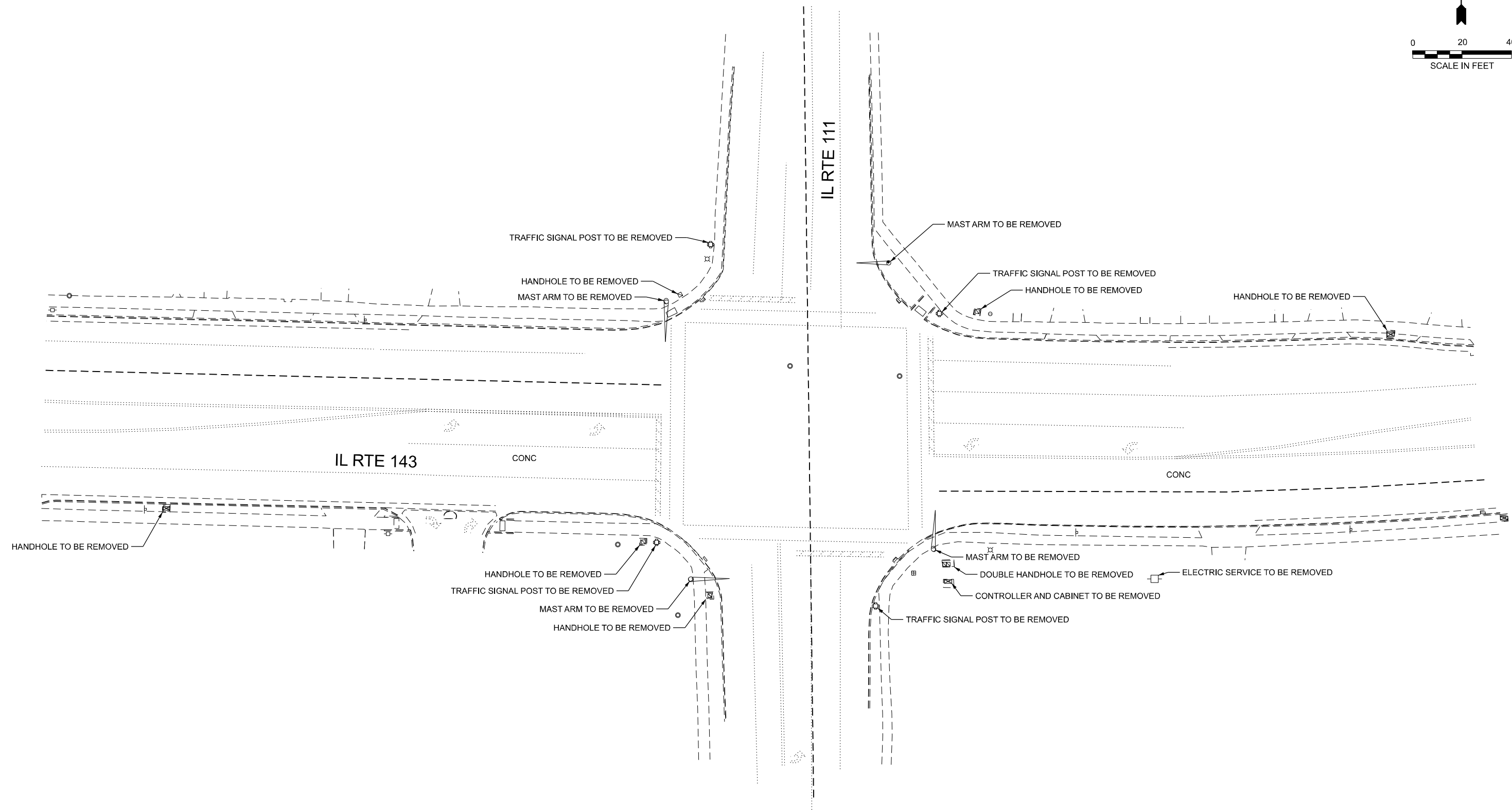
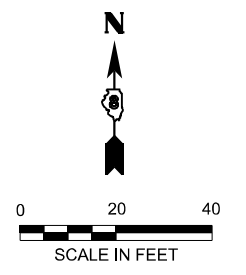
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME
SIGNS DETAIL.

D:\276138-shh-1e-05-sin_100 at 67.dgn

USER NAME = msomer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/27/2026	CHECKED -	REVISED -
	DATE -	REVISED -

STREET NAME SIGNS			
IL RTE 100 AND US RTE 67			
SCALE: N.T.S.	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	13
CONTRACT NO. 76U38				
ILLINOIS			FED. AID PROJECT	



FILE NAME: D:\876\38-shr-06-Removal-143 at Hwy 111.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - TCM	REVISED -
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	DATE -	REVISED -

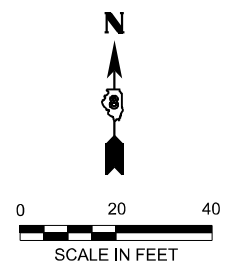
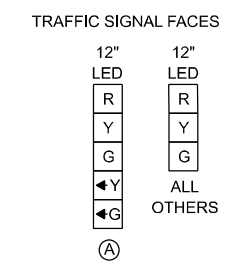
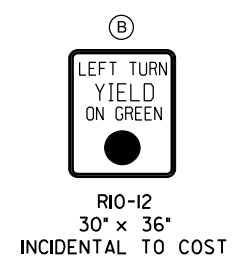
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL
ILL RTE 143 AT IL RTE 111**

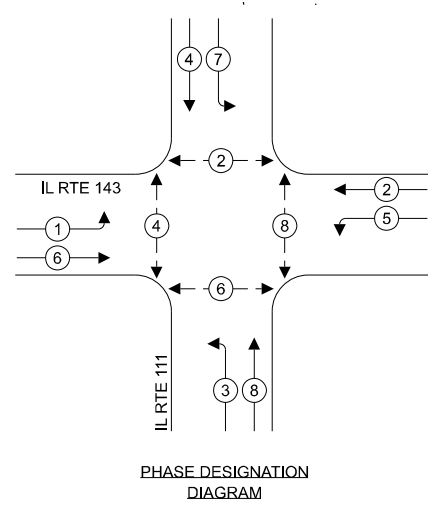
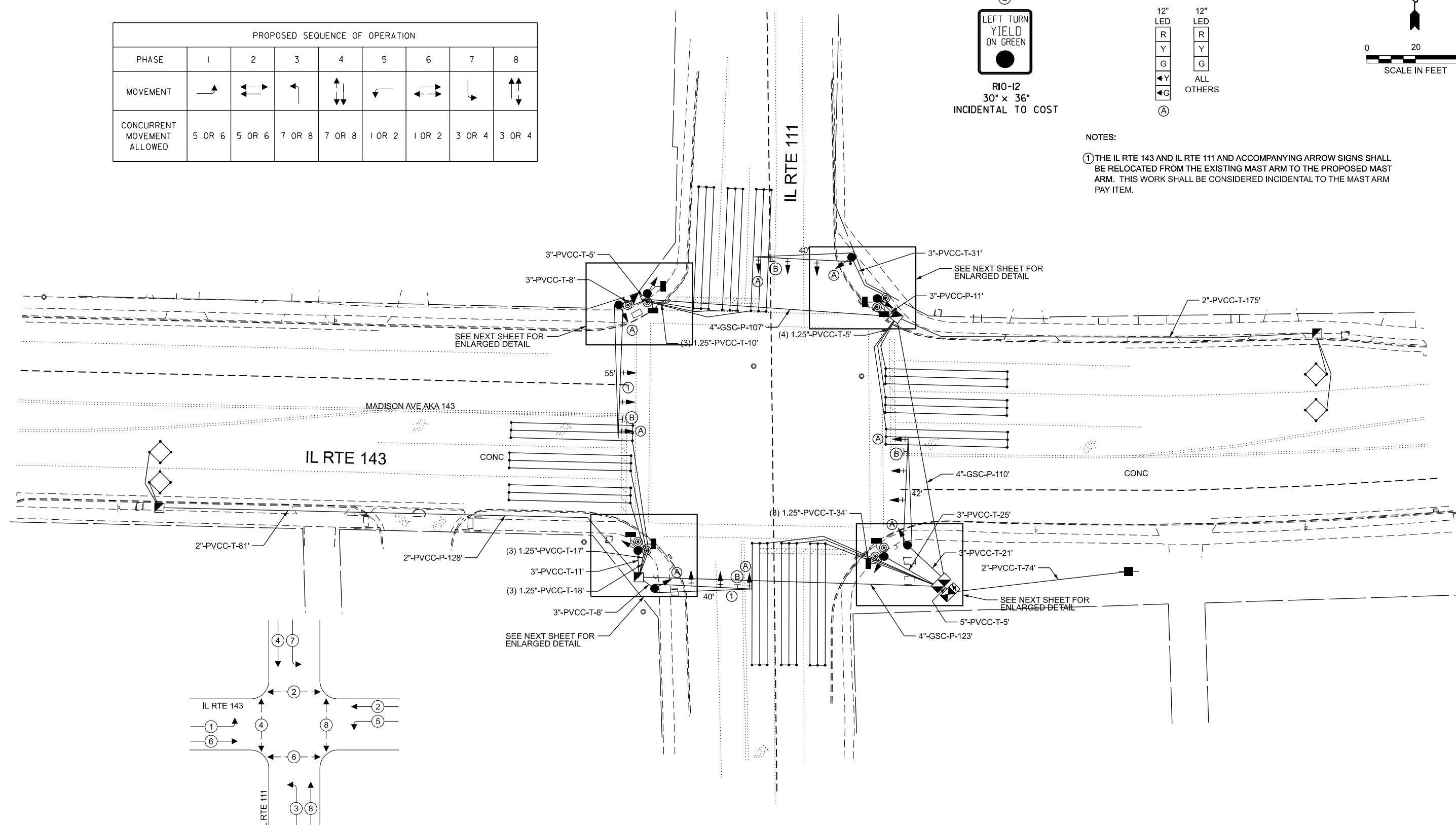
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	14
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				

PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	↔	←	↕	↖	↔	↘	↕
CONCURRENT MOVEMENT ALLOWED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4



NOTES:
 ① THE IL RTE 143 AND IL RTE 111 AND ACCOMPANYING ARROW SIGNS SHALL BE RELOCATED FROM THE EXISTING MAST ARM TO THE PROPOSED MAST ARM. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE MAST ARM PAY ITEM.



FILE NAME: D876U38-sh1-4s-07-Installation-143 at Hwy 111.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60516

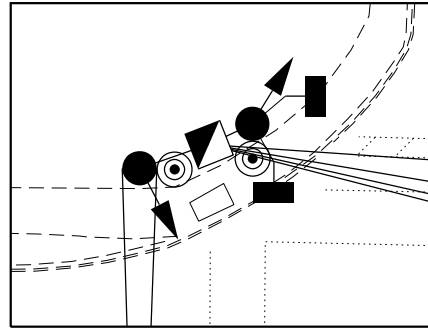
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PLOT DATE = 5/14/2025	CHECKED - TCM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

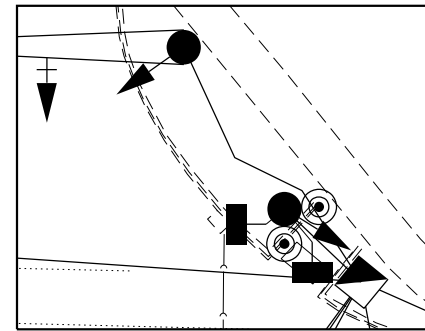
TRAFFIC SIGNAL INSTALLATION
IL RTE 143 AT IL RTE 111

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

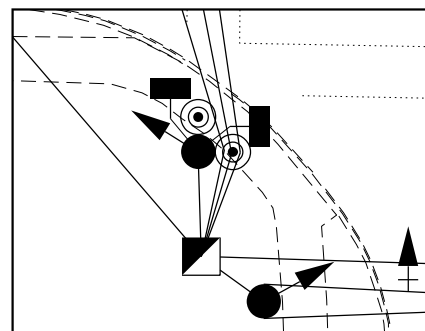
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	15
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				



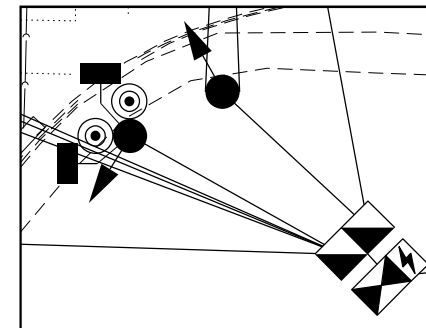
NW CORNER, 1" = 10'



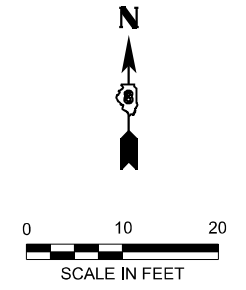
NE CORNER, 1" = 10'



SW CORNER, 1" = 10'



SE CORNER, 1" = 10'



FILE NAME: D876U38-sh143-08-Details-143 at Hwy 111.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - TCM	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TCM	REVISED -
PLOT DATE = 5/14/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS		TOTAL SHEETS		SHEET NO.	
IL RTE 143 AT IL RTE 111		44		16	
SCALE: 1"=10'	SHEET 1	OF 1	SHEETS	STA.	TO STA.

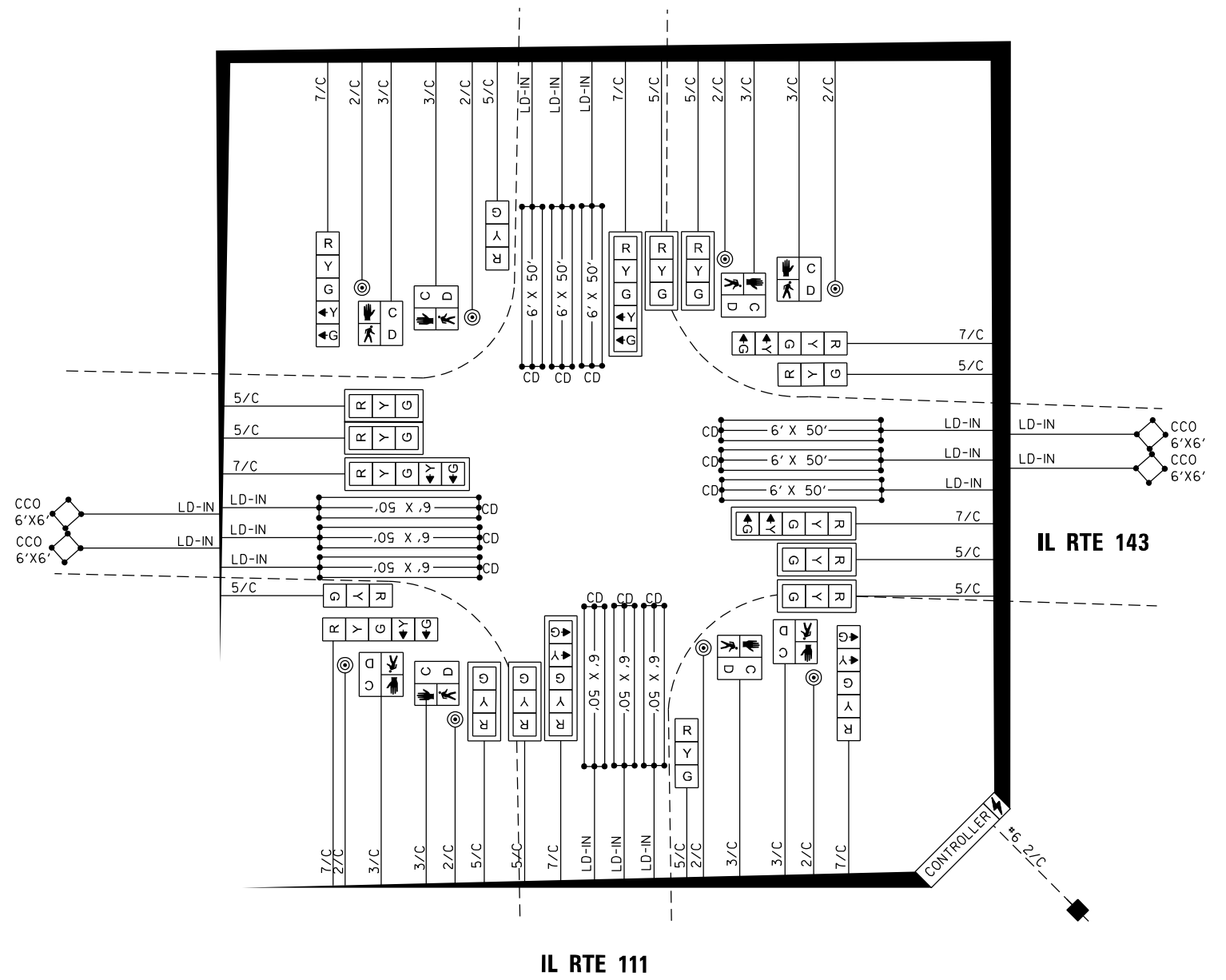
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	16
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- S CABLE SPLICE (SEE GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- PROPOSED SERVICE INSTALLATION
- ⚡ PROPOSED BATTERY BACKUP
- *6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	16.5
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	340
UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	66
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	458
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	120
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	5
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	1,284
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	1,356
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 5C	FOOT	2,560
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 7C	FOOT	1,302
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	1,248
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C	FOOT	100
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBINATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED W COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE 1	FOOT	1,440
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7,516
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
RELOCATE EXISTING SIGNS	EACH	8
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8

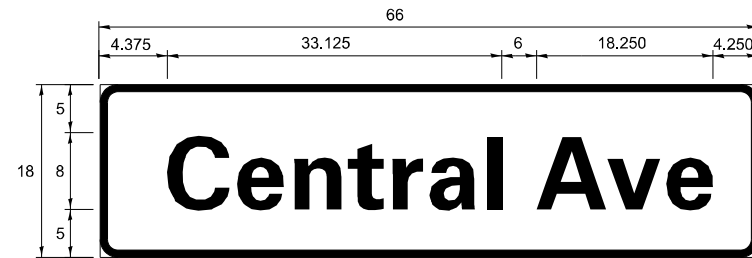


D:\76\038-shh-be-09-cab-143 at Hwy 111.dgn

<p>AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516</p>	USER NAME = msomer	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL DETAILS IL RTE 143 AT IL RTE 111	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -			VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	ILLINOIS	44
PLOT DATE = 3/27/2026	DATE -	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 76U38				
						ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	8.25	1	ZZ	2

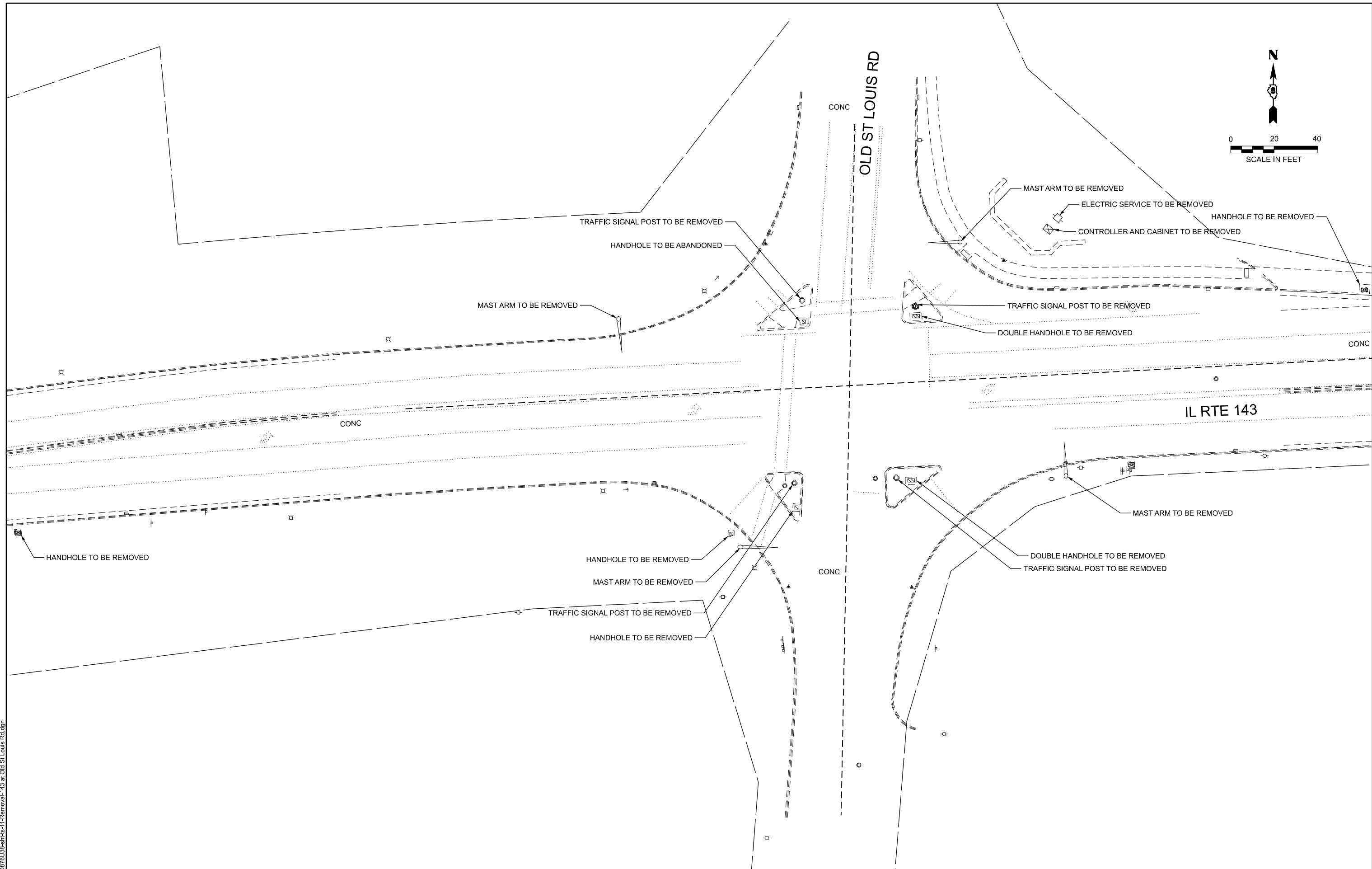
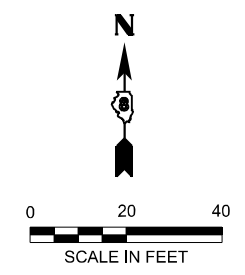
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

D:\876\038-shb-10-ein-143 at Hwy 111.dgn

USER NAME = msomer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/27/2026	DATE -	REVISED -

STREET NAME SIGNS			
IL RTE 143 AND IL RTE 111			
SCALE: N.T.S.	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	18
CONTRACT NO. 76U38				
			ILLINOIS	FED. AID PROJECT



FILE NAME: D:\876\38-shr-11-Removal-143 at Old St. Louis Rd.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60516

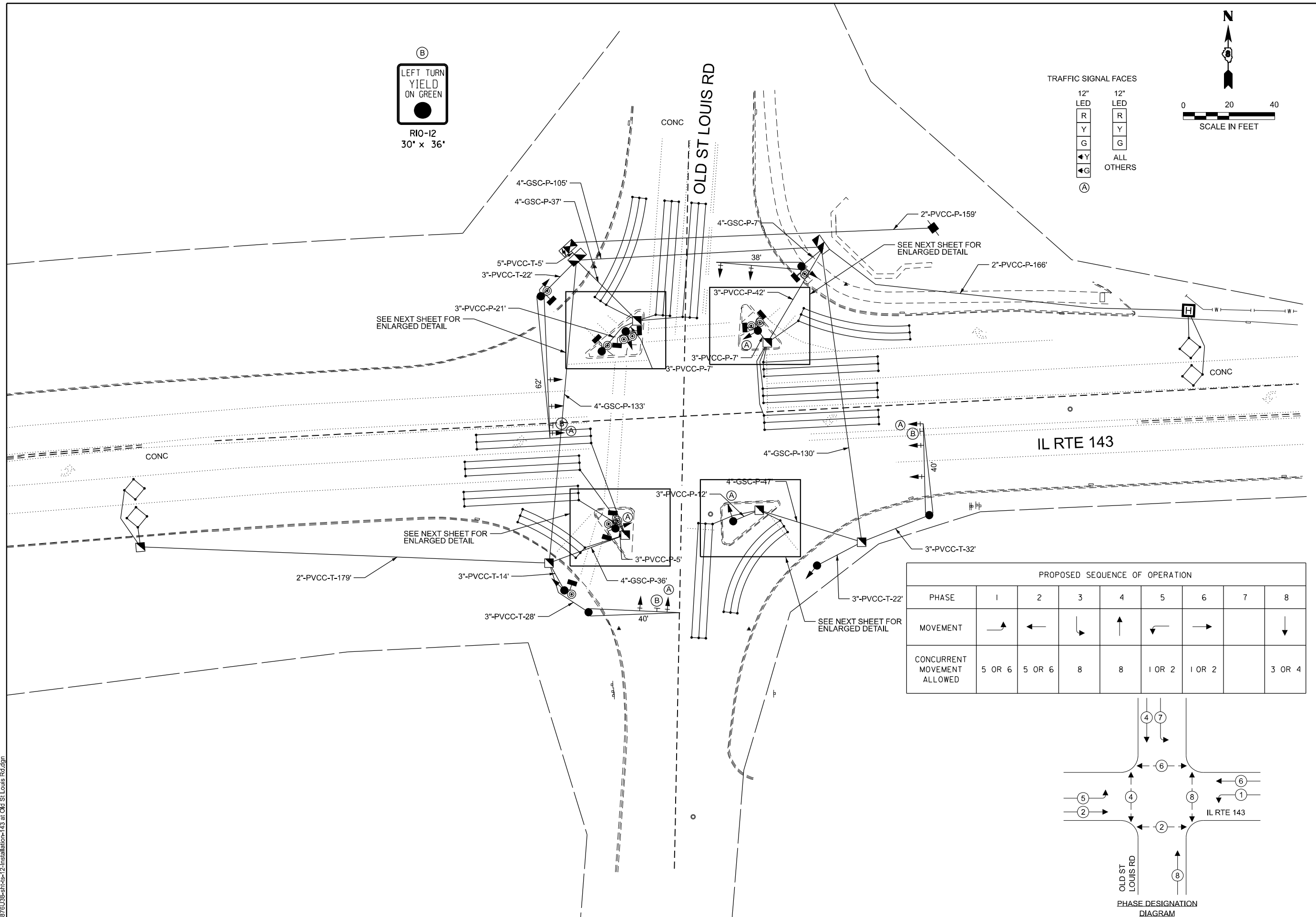
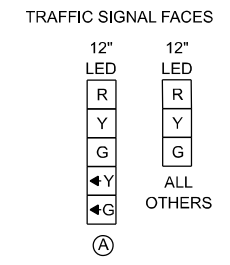
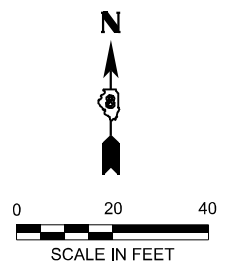
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PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 5/14/2025	CHECKED - TCM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

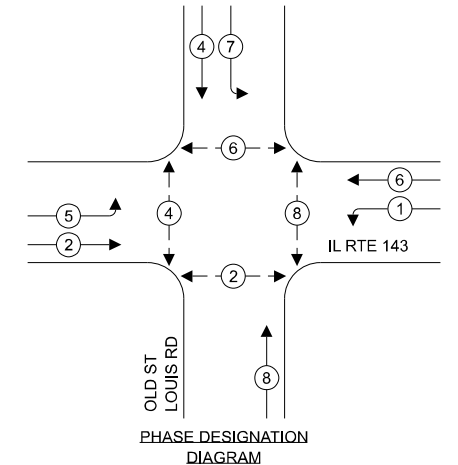
**TRAFFIC SIGNAL REMOVAL
 IL RTE 143 AT OLD ST LOUIS ROAD**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	19
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				



PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↗	←	↘	↑	↖	→		↓
CONCURRENT MOVEMENT ALLOWED	5 OR 6	5 OR 6	8	8	1 OR 2	1 OR 2		3 OR 4



FILE NAME: D876U38-sh14s-12-installation-143 at Old St Louis Rd.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

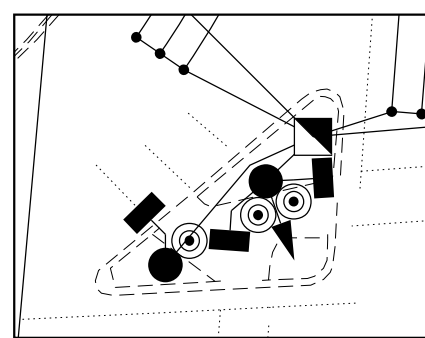
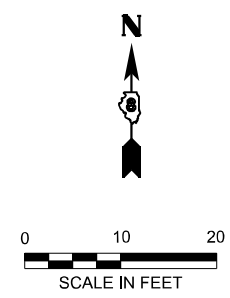
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PLOT DATE = 5/14/2025	CHECKED - TCM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

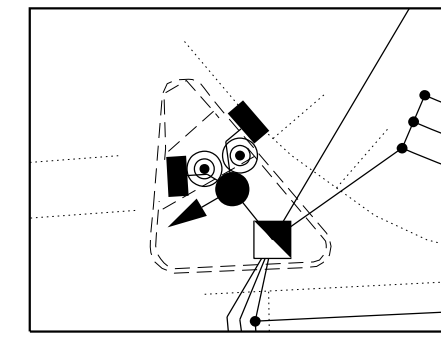
**TRAFFIC SIGNAL INSTALLATION
143 AT OLD ST LOUIS ROAD**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

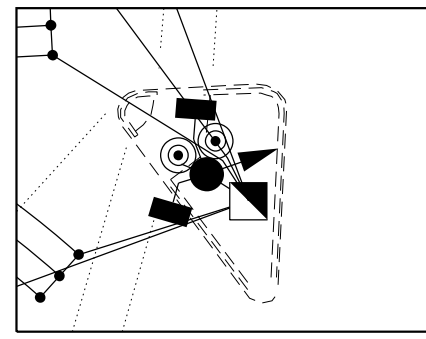
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	20
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				



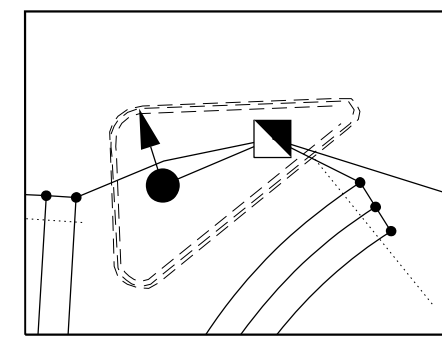
NW CORNER, 1" = 10'



NE CORNER, 1" = 10'



SW CORNER, 1" = 10'



SE CORNER, 1" = 10'

FILE NAME: D:\76U38-shh\4-13-Details-143 at Old St Louis Rd.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - TCM	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TCM	REVISED -
PLOT DATE = 5/14/2025	DATE -	REVISED -

DRAWN -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
IL RTE 143 AT OLD ST LOUIS ROAD

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

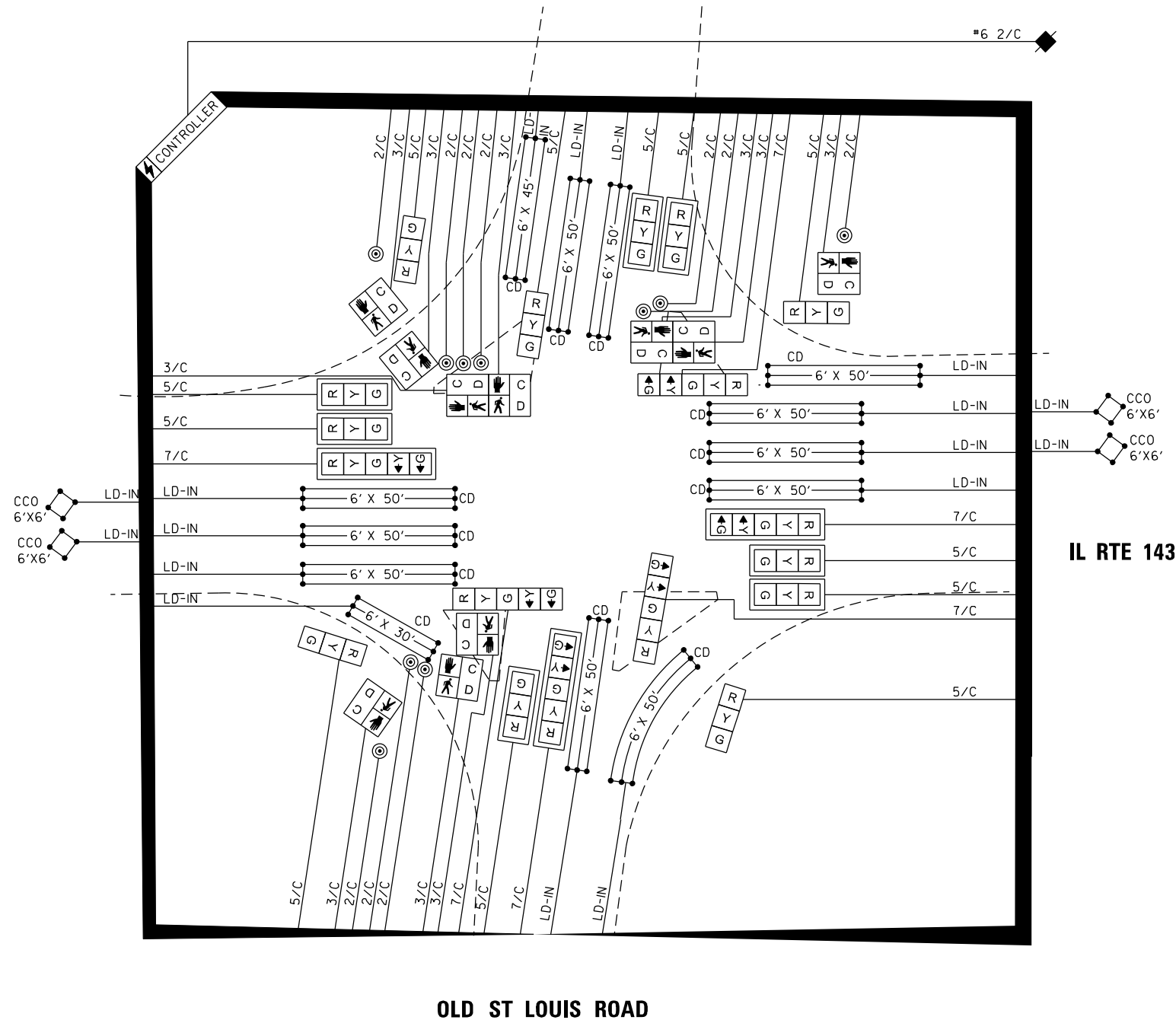
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	21
			CONTRACT NO. 76U38	
		ILLINOIS	FED. AID PROJECT	

CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- S CABLE SPLICE (SEE GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- PROPOSED SERVICE INSTALLATION
- ⚡ PROPOSED BATTERY BACKUP
- *6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	44
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	495
UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	45
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	504
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	212
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	5
HANDHOLE	EACH	8
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,907
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,039
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,782
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,504
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,577
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	177
TRAFFIC SIGNAL POST, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, 16 FT.	EACH	6
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	32
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	37
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED W COUNTDOWN TIMER	EACH	10
TRAFFIC SIGNAL BACKPLATE	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE 1	FOOT	1,930
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	11,135
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
RELOCATE EXISTING SIGNS	EACH	3
UNINTERRUPTABLE POWER SUPPLY	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	9
CONCRETE FOUNDATION, TYPE A, 12-INCH DIAMETER	FOOT	4



OLD ST LOUIS ROAD

IL RTE 143

D:\276\208-shh-14-cab-143 at Old St. Louis Rd.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = msomer	DESIGNED -	REVISED -
PLOT SCALE = \$\$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/27/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

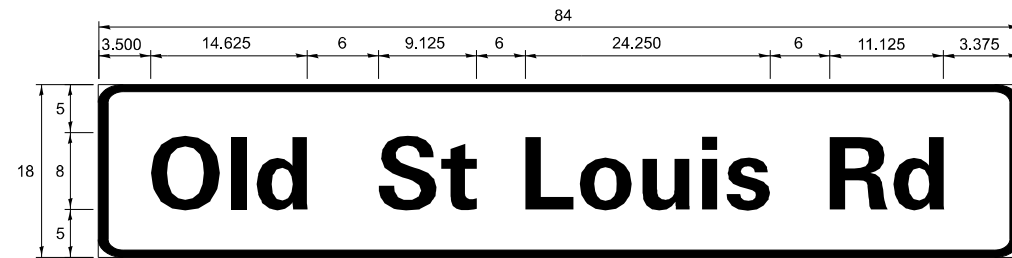
**TRAFFIC SIGNAL DETAILS
IL RTE 143 AT OLD ST. LOUIS ROAD**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	22
CONTRACT NO. 76U38			ILLINOIS FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



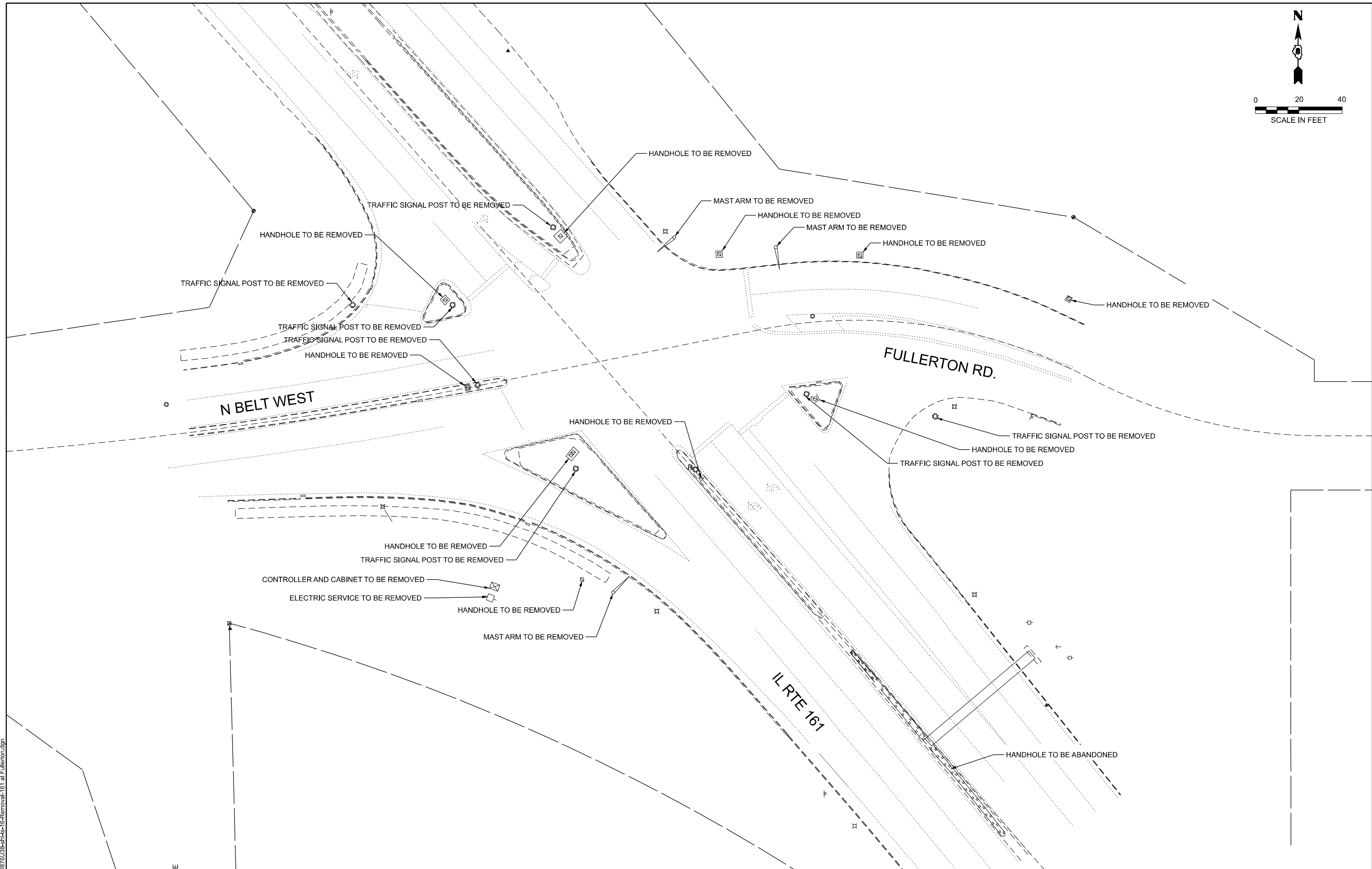
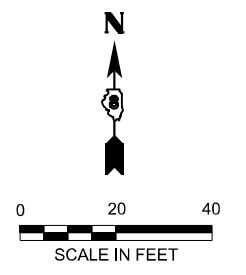
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	10.5	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

D:\276\038\sheet\15-stn 143 at Old St. Louis Rd.dgn

USER NAME = msomer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/27/2026	DATE -	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	23
			CONTRACT NO. 76U38	
		ILLINOIS	FED. AID PROJECT	



FILE NAME: D:\876\38-shr-16-Removal-161 at Fullerton.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - TCM	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 5/14/2025	CHECKED - TCM	REVISED -
	DATE -	REVISED -

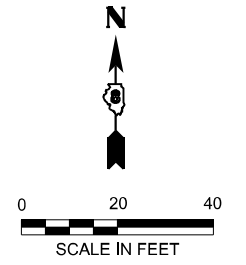
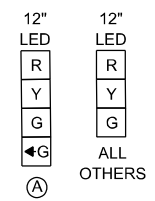
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL
 IL RTE 161 AT FULLERTON RD.**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

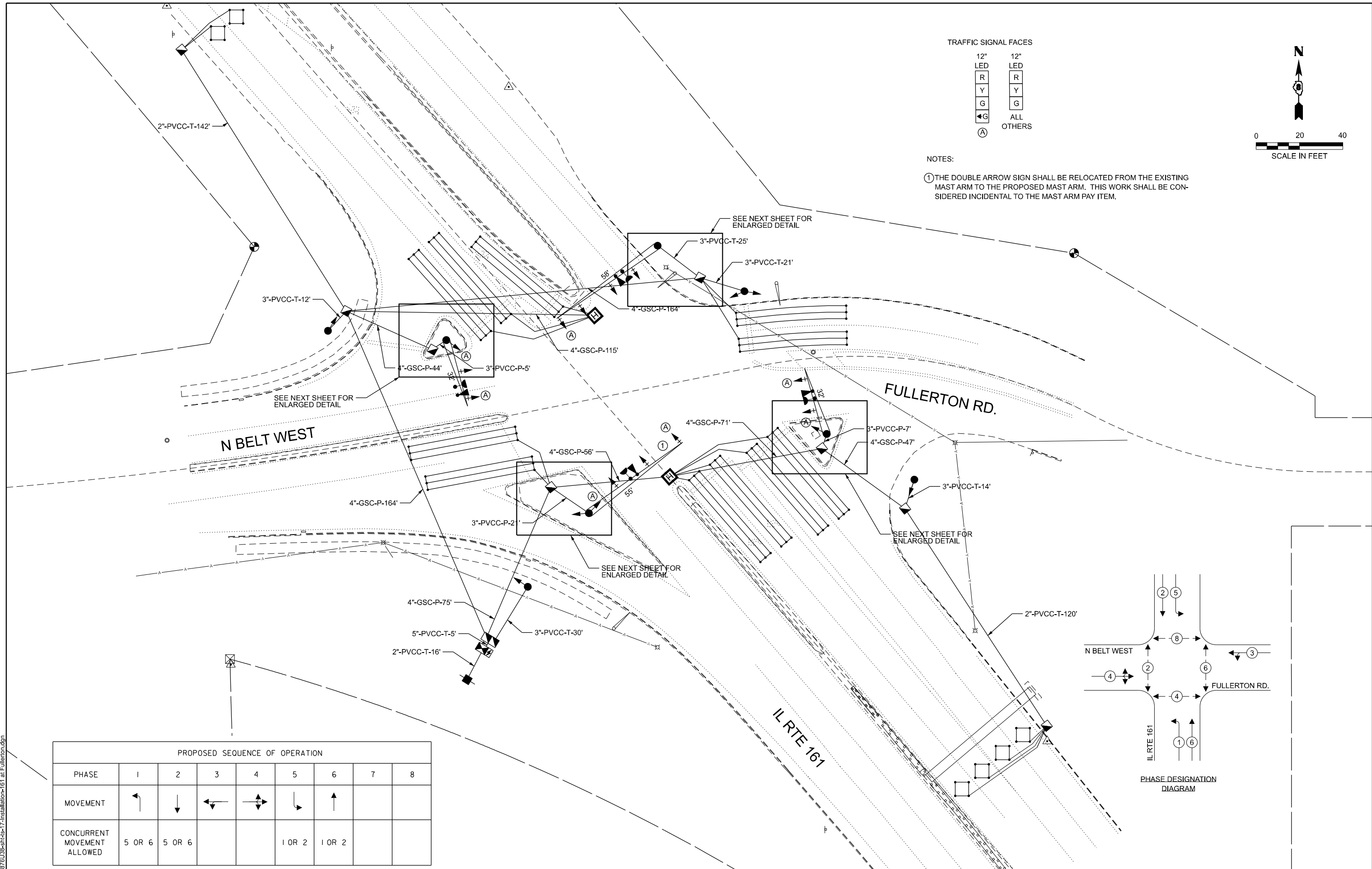
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	24
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL FACES



NOTES:

- ① THE DOUBLE ARROW SIGN SHALL BE RELOCATED FROM THE EXISTING MAST ARM TO THE PROPOSED MAST ARM. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE MAST ARM PAY ITEM.



PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	←	↓	↔	↔	↓	↑		
CONCURRENT MOVEMENT ALLOWED	5 OR 6	5 OR 6			1 OR 2	1 OR 2		

FILE NAME: D:\876\38-sh14s-17-installation-161 at Fullerton.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche
PLOT SCALE = \$SSCALE\$
PLOT DATE = 5/14/2025

DESIGNED - TCM
DRAWN -
CHECKED - TCM
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

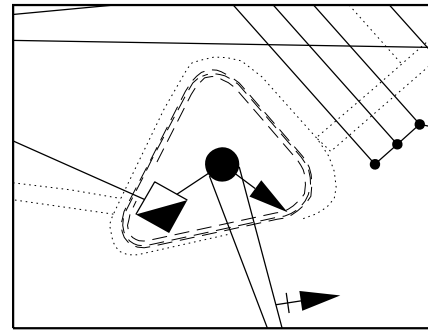
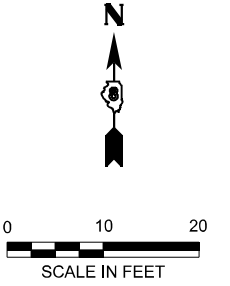
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION
IL RTE 161 AT FULLERTON RD.**

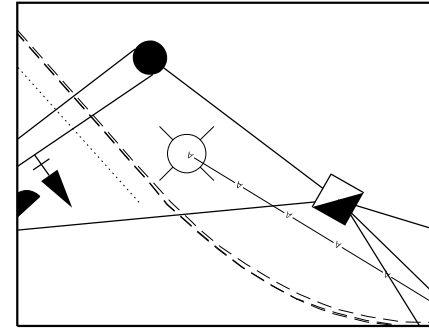
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	25

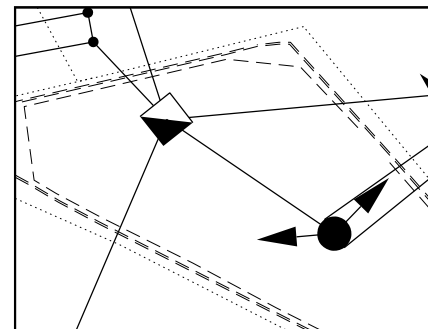
CONTRACT NO. 76U38
ILLINOIS FED. AID PROJECT



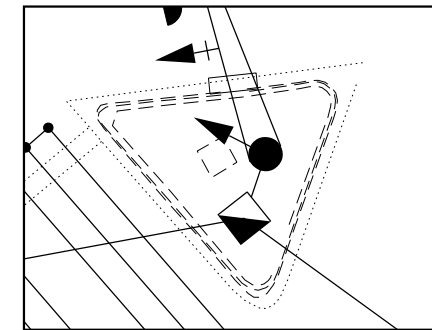
NW CORNER, 1" = 10'



NE CORNER, 1" = 10'



SW CORNER, 1" = 10'



SE CORNER, 1" = 10'

FILE NAME: D:\876\38-shr-18-Detail-161 at Fullerton.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - TCM	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TCM	REVISED -
PLOT DATE = 5/14/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
IL RTE 161 AT FULLERTON RD.

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	26
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				

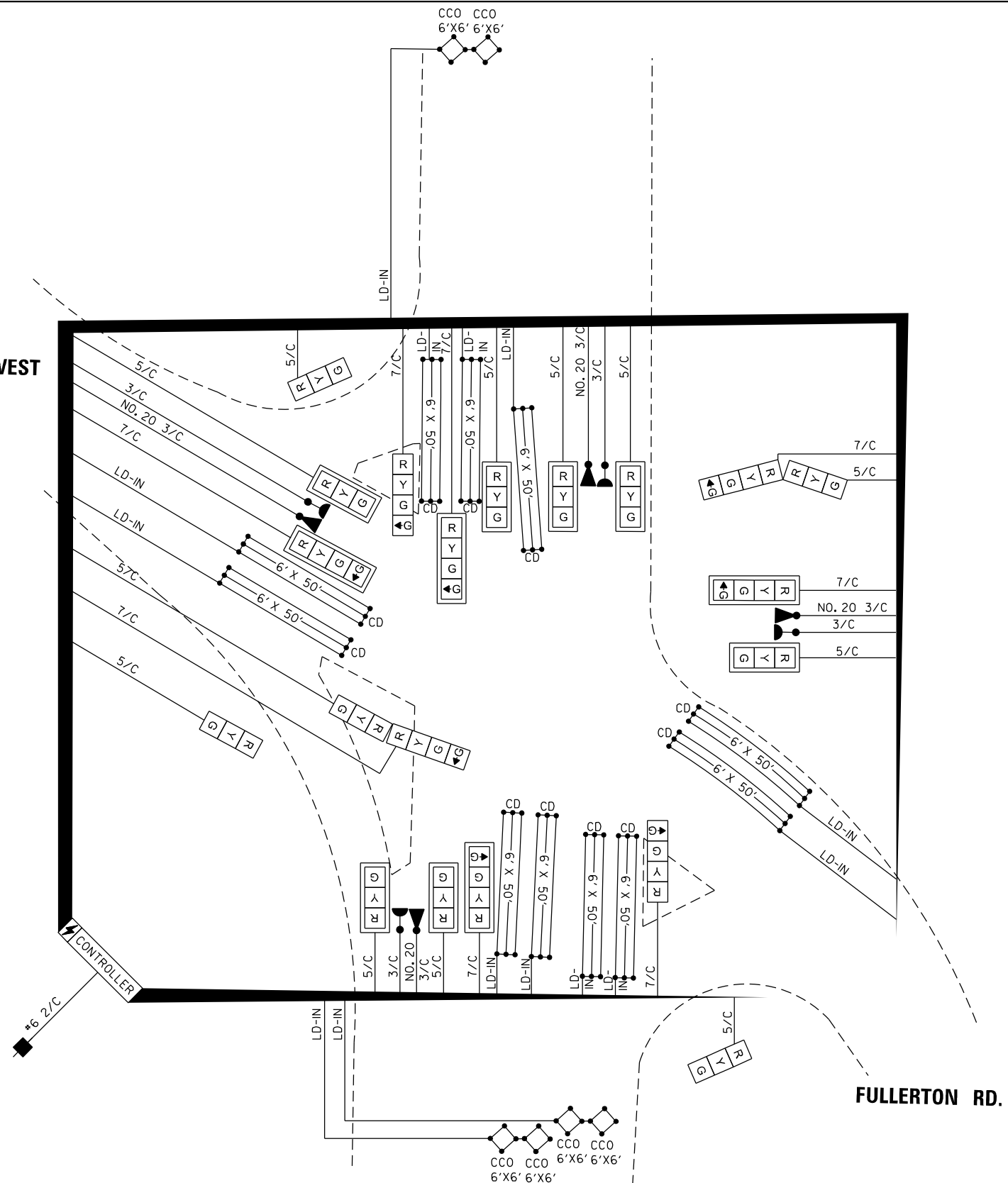
CABLE DIAGRAM LEGEND

- S — ELECTRIC CABLE IN CONDUIT
- CABLE SPLICE (SEE GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- PROPOSED SERVICE INSTALLATION
- ⚡ PROPOSED BATTERY BACKUP
- *6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	13.5
SIGN PANEL - TYPE 2	SQ FT	37.5
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	665
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	278
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	135
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	5
HANDHOLE	EACH	7
HEAVY DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	1,368
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 5C	FOOT	3,421
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 7C	FOOT	2,473
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	1,702
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C	FOOT	50
TRAFFIC SIGNAL POST, 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	37
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	13
DETECTOR LOOP, TYPE 1	FOOT	1,376
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7,062
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO.20 3/C	FOOT	1,368
RELOCATE EXISTING SIGNS	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1

NORTH BELT WEST



IL RTE 161

FULLERTON RD.

D:\276138-shh-1b-cab IL 161 and Fullerton.dgn



USER NAME = msomer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/27/2026	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

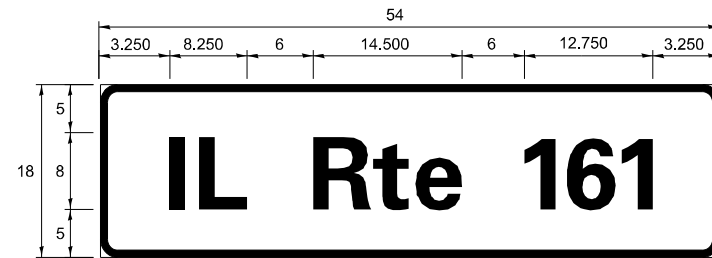
TRAFFIC SIGNAL DETAILS
IL RTE 161 AT FULLERTON RD.

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

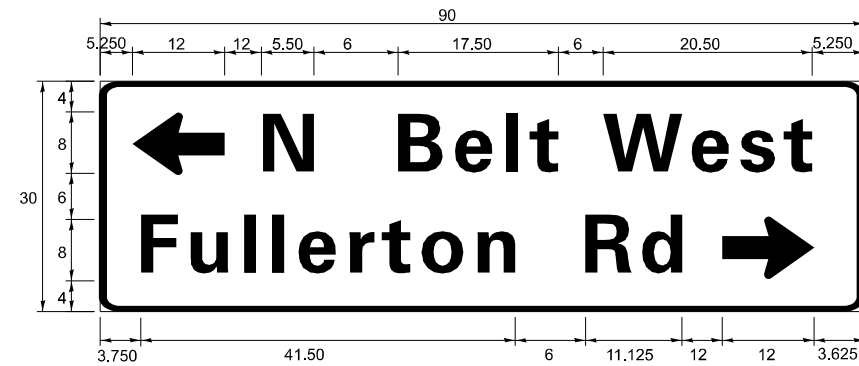
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	27
CONTRACT NO. 76U38			ILLINOIS FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2

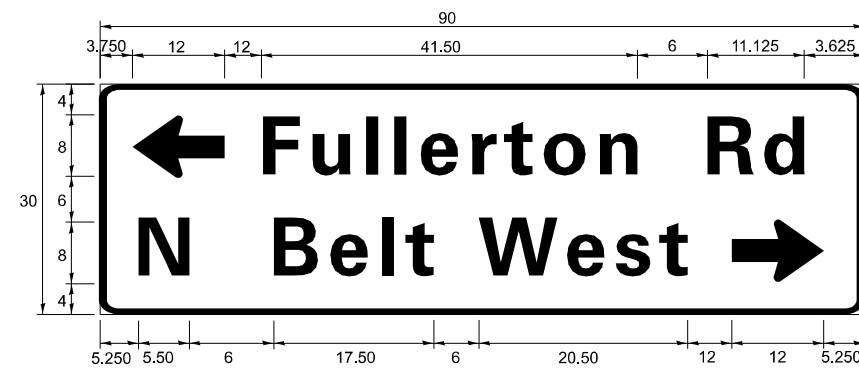
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.75	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.75	2	ZZ	1

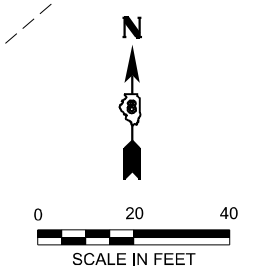
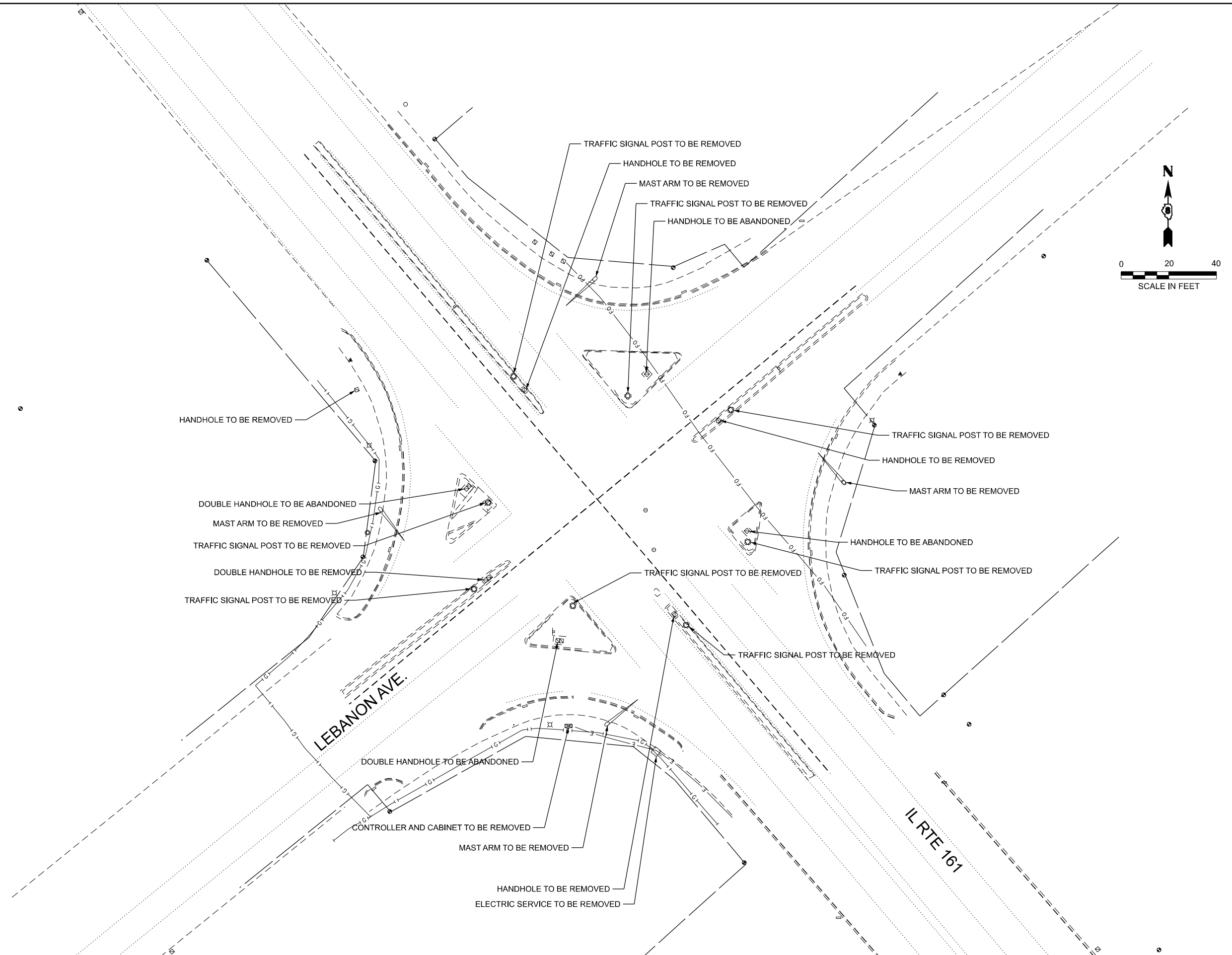
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

D:\276\308-shh-161-20-ein IL 161 and Fullerton.dgn

USER NAME = msomer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/27/2026	CHECKED -	REVISED -
	DATE -	REVISED -

STREET NAME SIGNS			
IL RTE 161 AND FULLERTON RD			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	28
CONTRACT NO. 76U38				
ILLINOIS			FED. AID PROJECT	



FILE NAME: D:\876\38-shr-s-2-1-Removal-161 at Lebanon.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - TCM	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 5/14/2025	CHECKED - TCM	REVISED -
	DATE -	REVISED -

DESIGNED - TCM	REVISED -
DRAWN -	REVISED -
CHECKED - TCM	REVISED -
DATE -	REVISED -

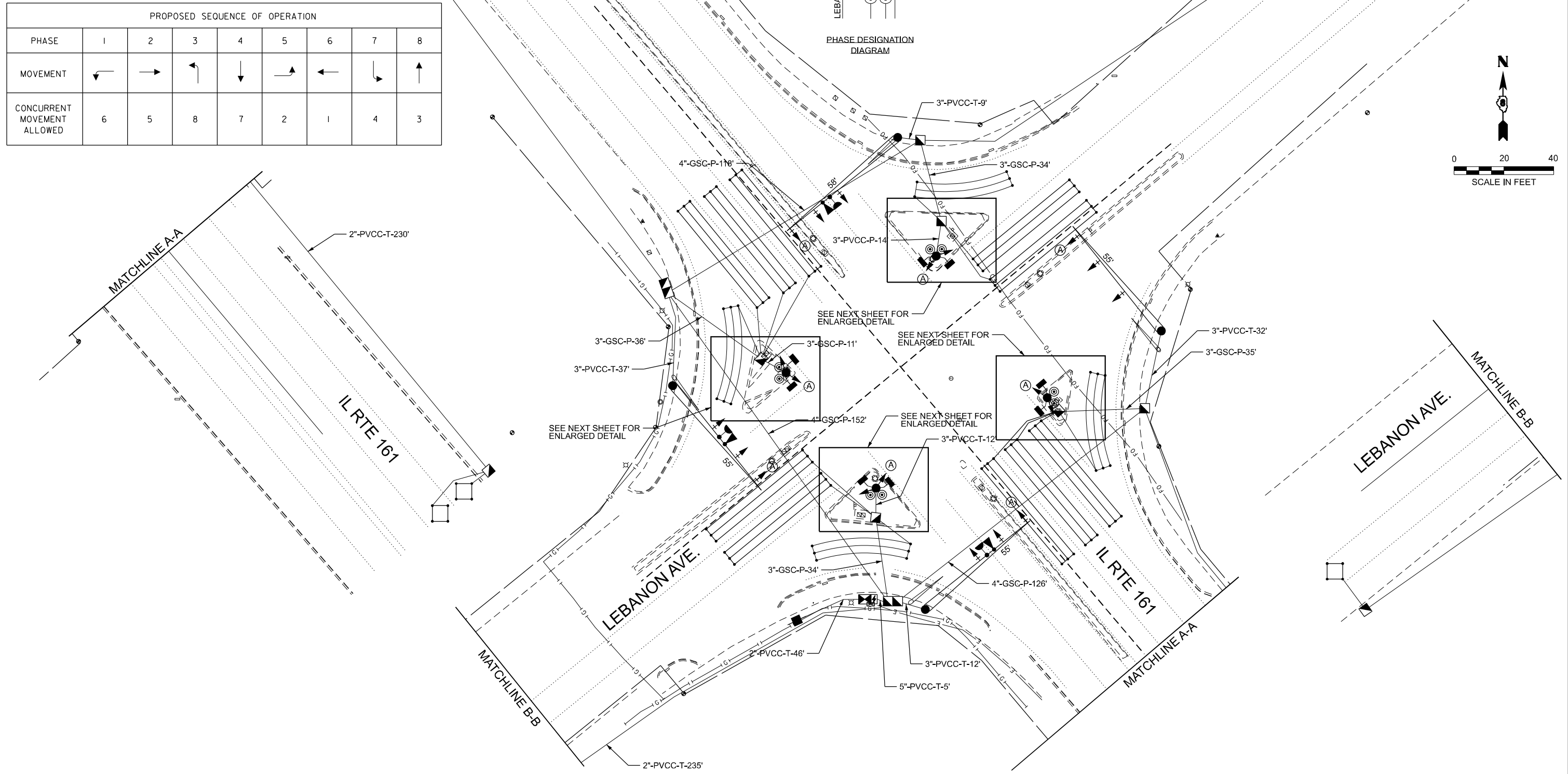
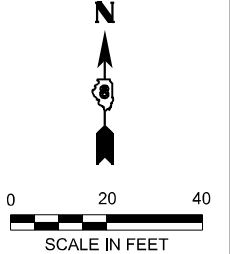
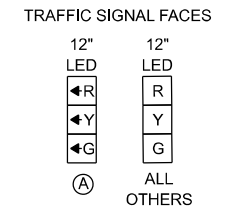
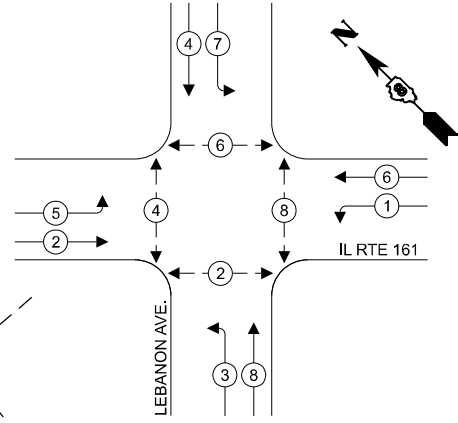
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL
IL RTE 161 AT LEBANON AVE.

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	29
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				

PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	←	→	↶	↓	↷	←	↓	↑
CONCURRENT MOVEMENT ALLOWED	6	5	8	7	2	1	4	3



FILE NAME: D876U38-sh14s22-installation-161 at Lebanon.dgn

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CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

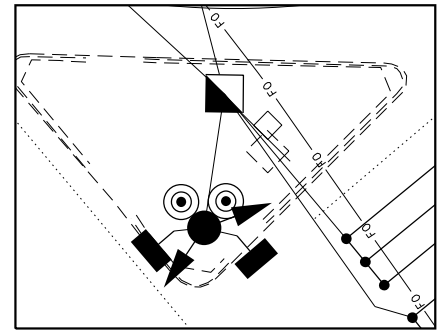
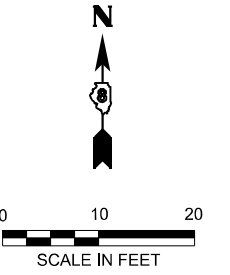
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PLOT DATE = 5/14/2025	CHECKED - TCM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

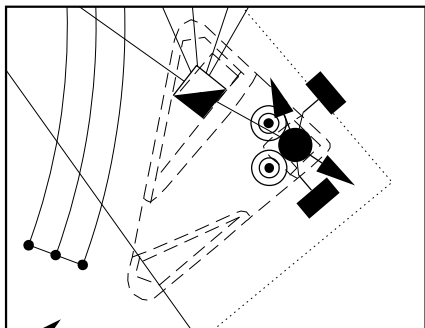
TRAFFIC SIGNAL INSTALLATION
IL RTE 161 AT LEBANON AVE.

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

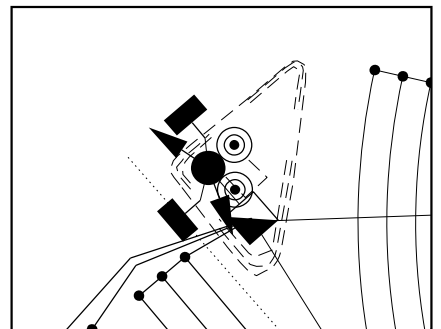
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	30
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				



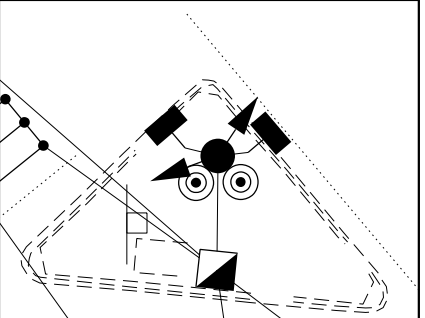
NE CORNER, 1" = 10'



NW CORNER, 1" = 10'



SE CORNER, 1" = 10'



SW CORNER, 1" = 10'

FILE NAME: D:\876U38-shr-23-Detail-161 at Lebanon.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - TCM	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 5/14/2025	CHECKED - TCM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
IL RTE 161 AT LRBANON AVE.

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

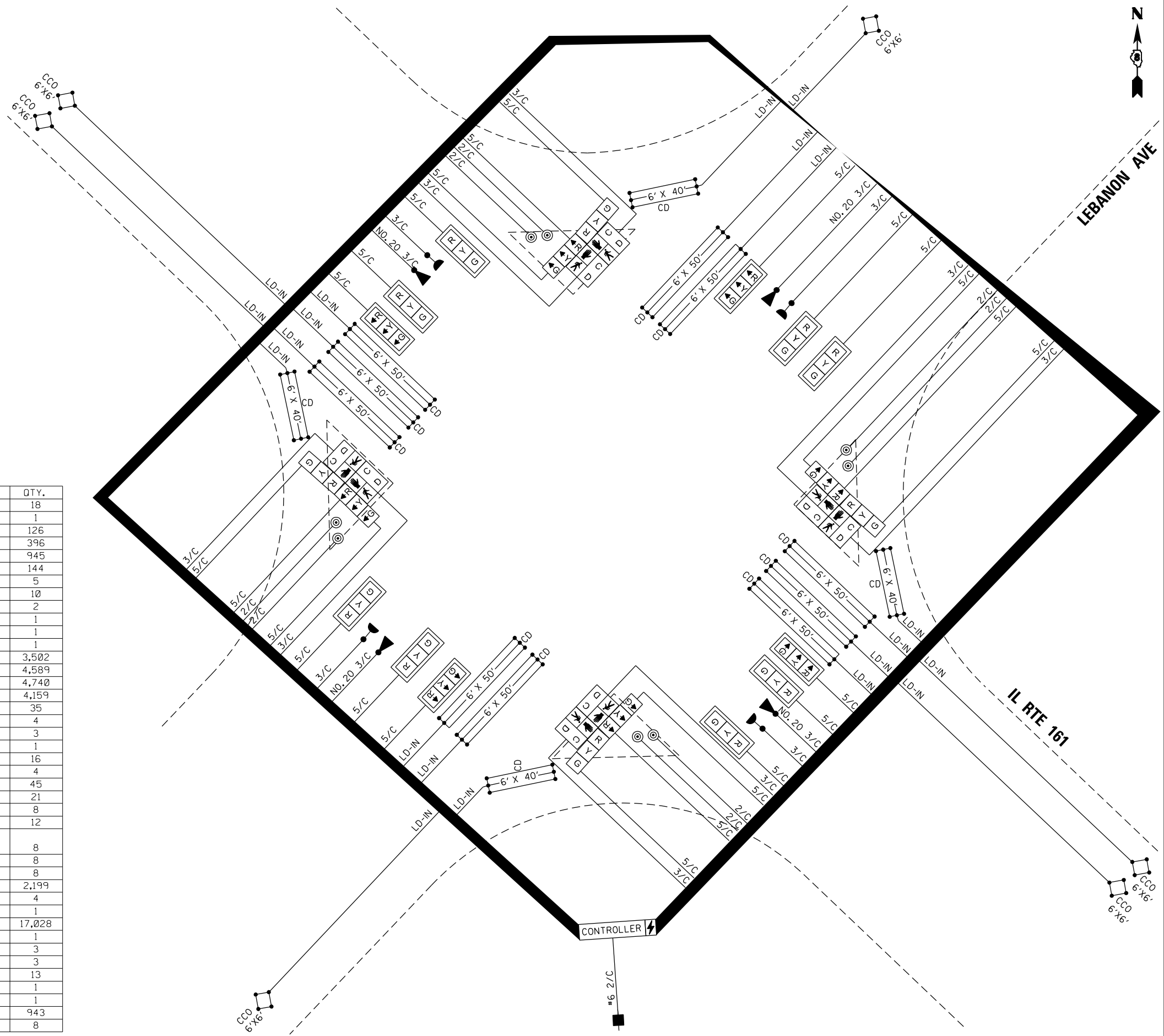
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	31
			CONTRACT NO. 76U38	
ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- CABLE SPLICE (SEE GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- PROPOSED SERVICE INSTALLATION
- ⚡ PROPOSED BATTERY BACKUP
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 2	SQ FT	18
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	126
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	396
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	945
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	144
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	5
HANDHOLE	EACH	10
DOUBLE HANDHOLE	EACH	2
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3,502
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	4,589
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4,740
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,159
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	35
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED W COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE 1	FOOT	2,199
LIGHT DETECTOR	FOOT	4
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	EACH	17,028
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING DOUBLE HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	13
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3C	FOOT	943
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8



D:\876138-shr-hr-24-cab-l 161 and Lebanon.dgn

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6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = msomer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/27/2026	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

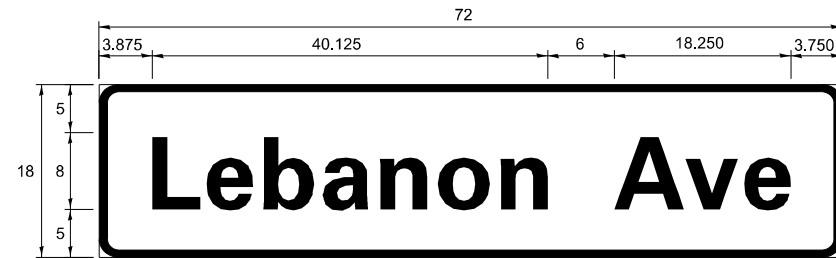
TRAFFIC SIGNAL DETAILS
IL RTE 161 AND LEBANON AVE.

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	32
CONTRACT NO. 76U38			ILLINOIS FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



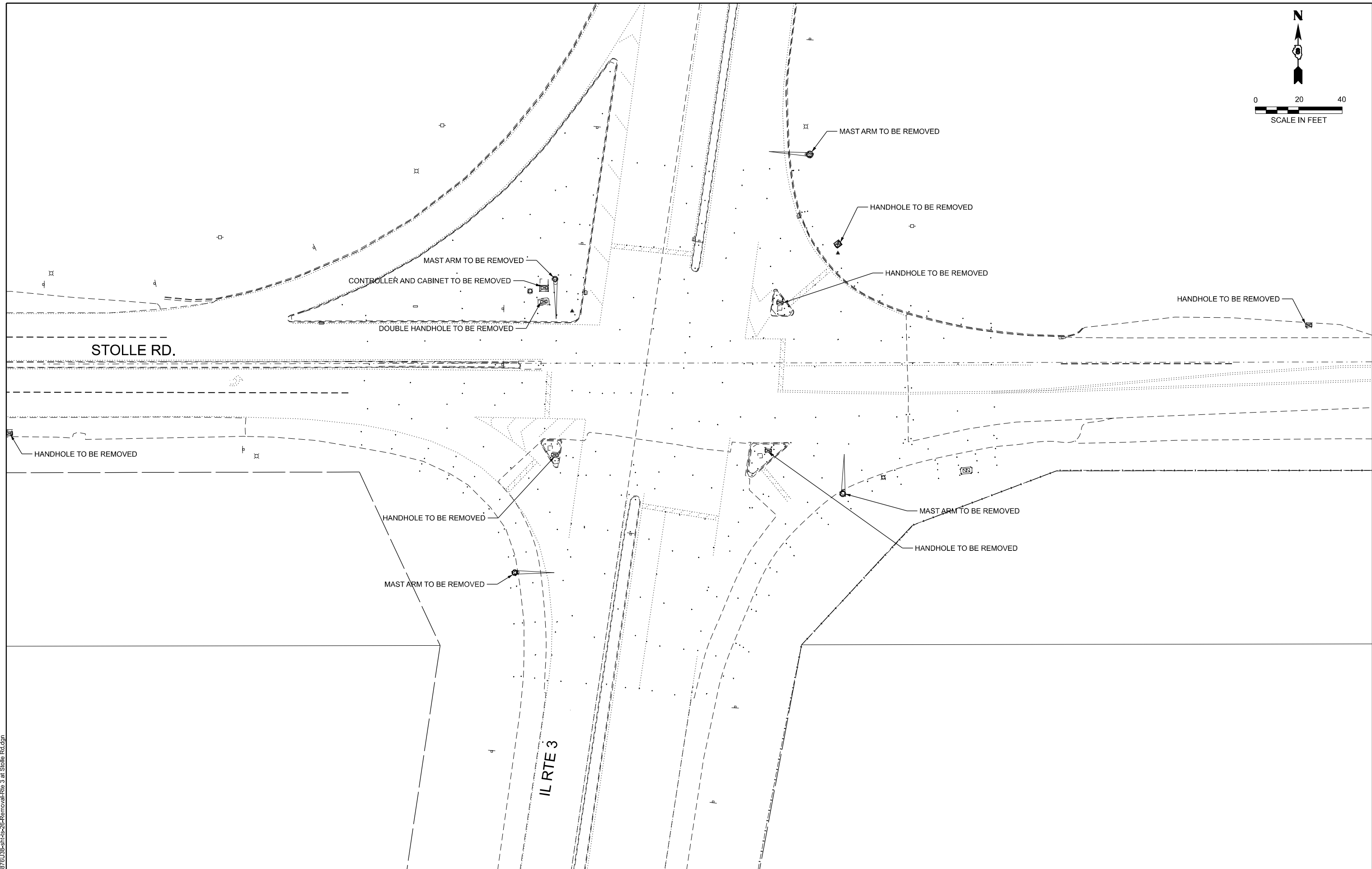
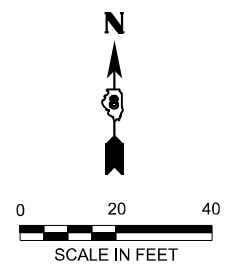
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9.00	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

D:\276138-sh-16-25-sin-IL 161 and Lebanon.dgn

USER NAME = msomer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/27/2026	DATE -	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	33
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				



FILE NAME: D:\76U38-shr-26-Removal-Rte 3 at Stolle Rd.dgn

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Downers Grove, IL 60516

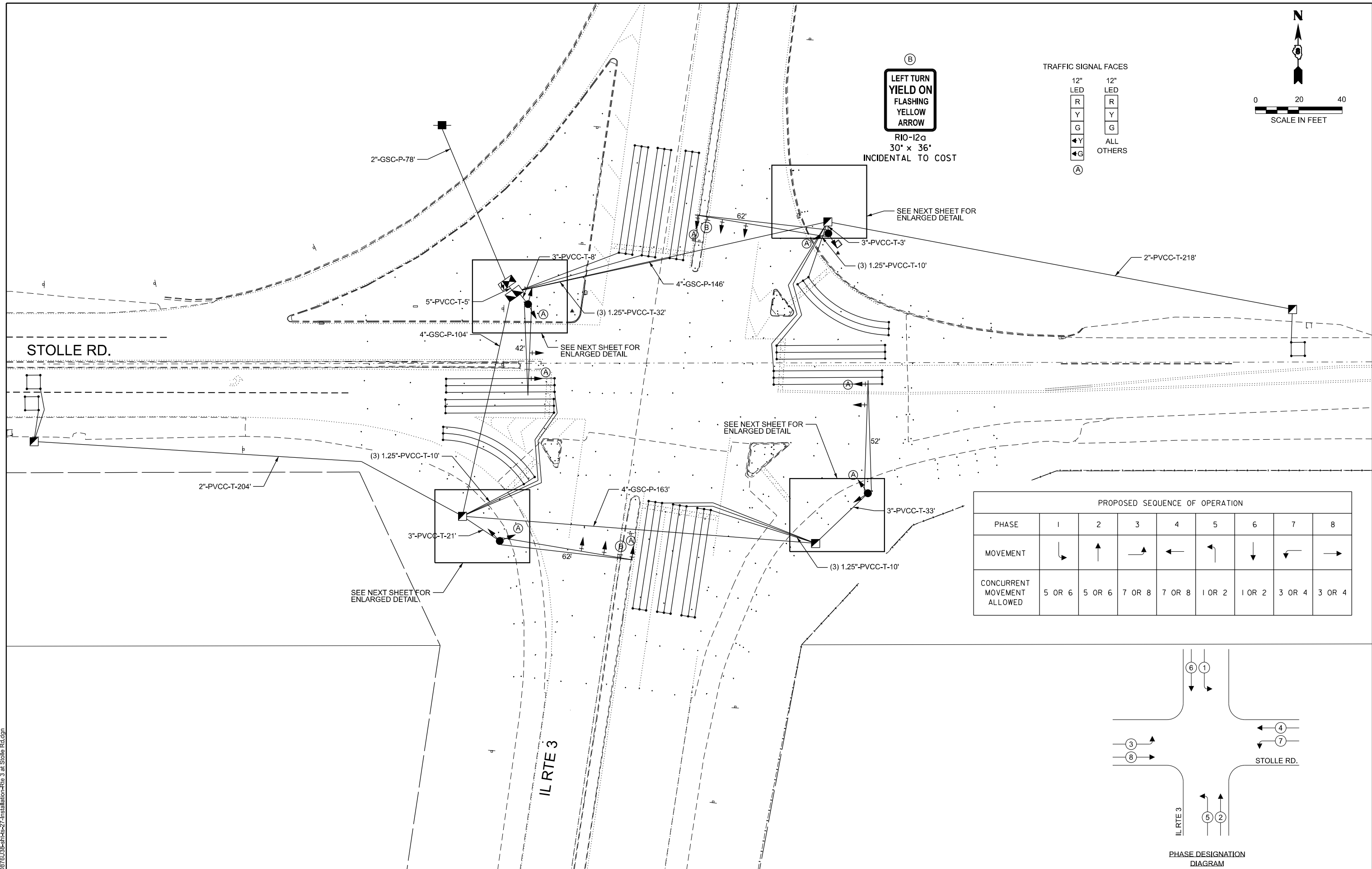
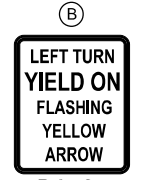
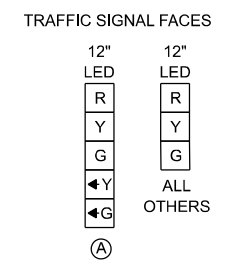
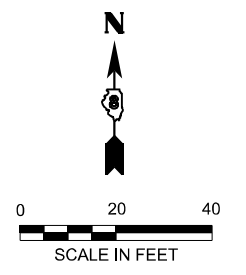
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PLOT DATE = 5/14/2025	CHECKED - TCM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

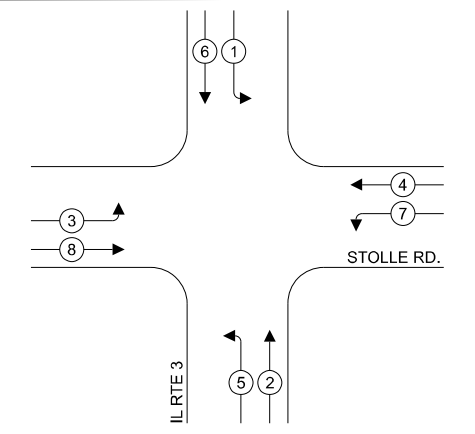
**TRAFFIC SIGNAL REMOVAL
IL RTE 3 AT STOLLE ROAD**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	34
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				



PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	↕	↗	↖	↙	↕	↗	↖
CONCURRENT MOVEMENT ALLOWED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4



PHASE DESIGNATION
DIAGRAM

FILE NAME: D:\876\38-shr-27-Installation-Rte 3 at Stolle Rd.dgn

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Downers Grove, IL 60516

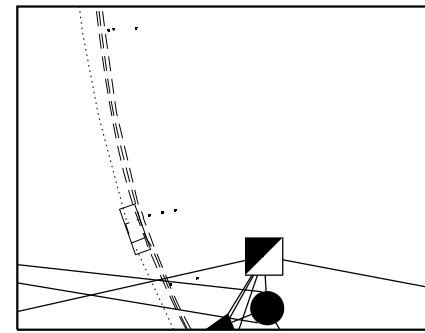
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

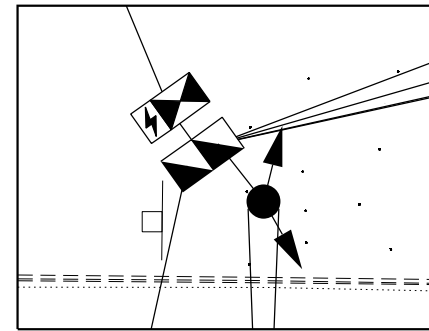
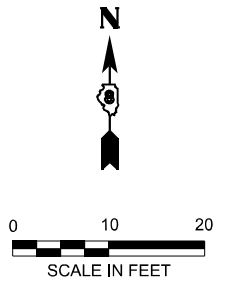
**TRAFFIC SIGNAL INSTALLATION
IL RTE 3 AT STOLLE ROAD**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

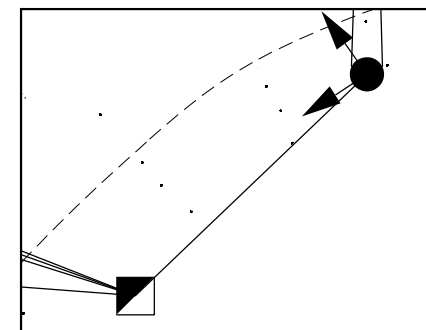
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	35
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				



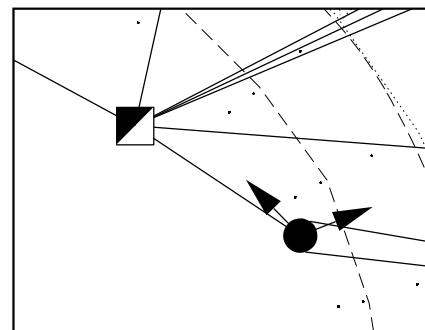
NE CORNER, 1" = 10'



NW CORNER, 1" = 10'



SE CORNER, 1" = 10'



SW CORNER, 1" = 10'

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CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - TCM	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - TCM	REVISED -
PLOT DATE = 5/14/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
IL RTE 3 AT STOLLE RD.

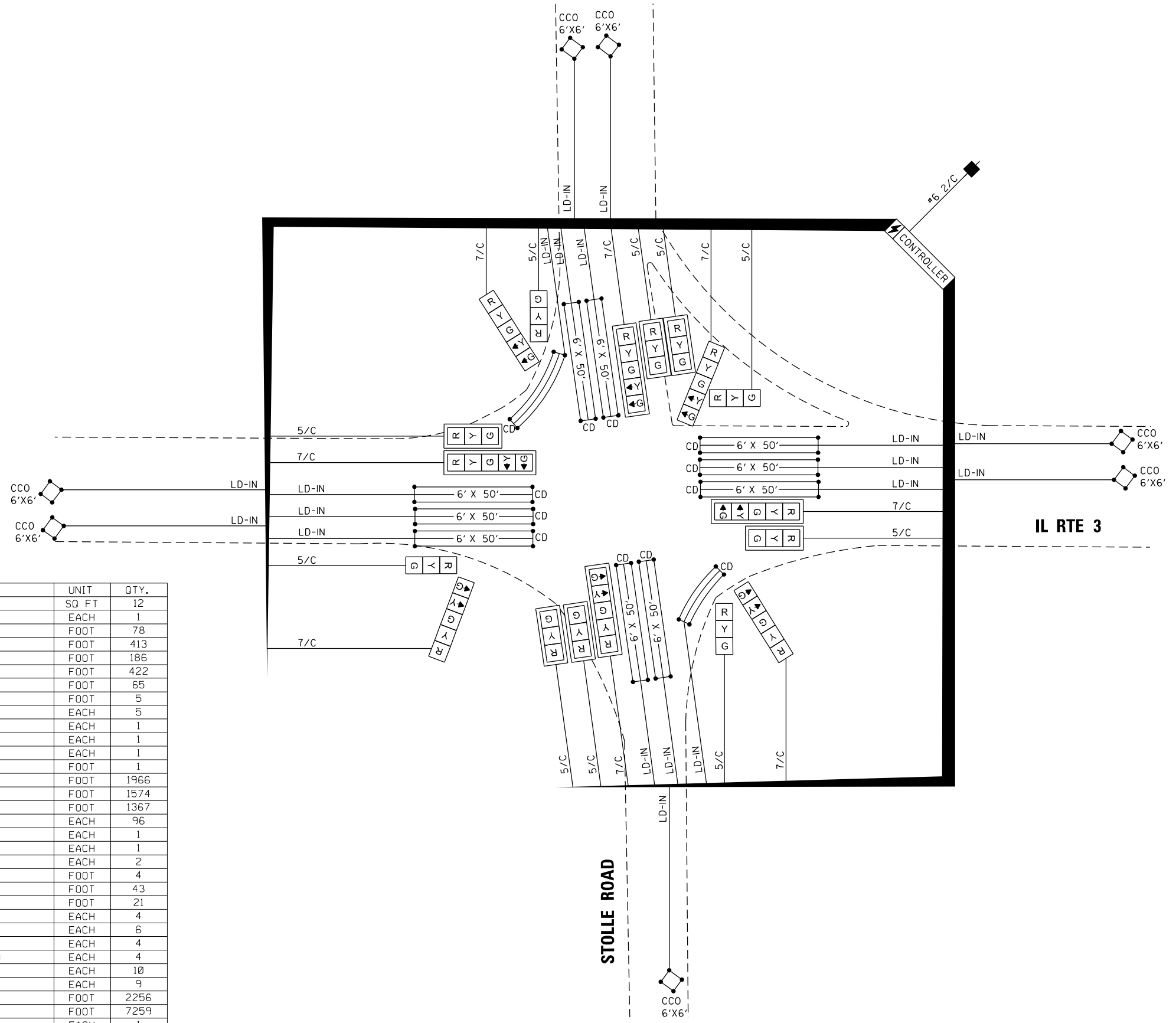
SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	VARIOUS	VARIOUS	44	36
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				



CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- S CABLE SPLICE (SEE GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- PROPOSED SERVICE INSTALLATION
- ⚡ PROPOSED BATTERY BACKUP
- *6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	12
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	78
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	413
UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	186
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	422
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	65
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	5
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	FOOT	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1966
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1574
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1367
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	EACH	96
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	2
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	43
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	9
DETECTOR LOOP, TYPE 1	FOOT	2256
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7259
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
RELOCATE EXISTING SIGNS	EACH	3
UNINTERRUPTABLE POWER SUPPLY	EACH	1

D:\876138-shh-14-29-cab Rte 3 and Stolle Rd.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = msomer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALES	DRAWN -	REVISED -
PLOT DATE = 3/27/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

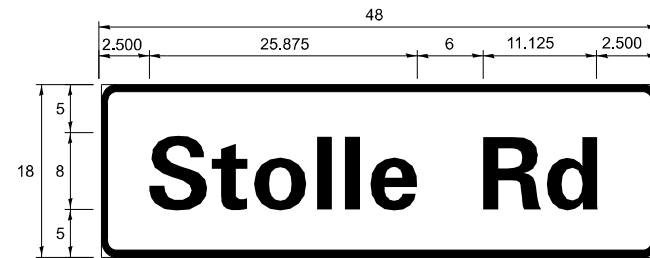
**TRAFFIC SIGNAL DETAILS
IL RTE 3 AND STOLLE ROAD**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	37
CONTRACT NO. 76U38			ILLINOIS FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	6.00	1	ZZ	2

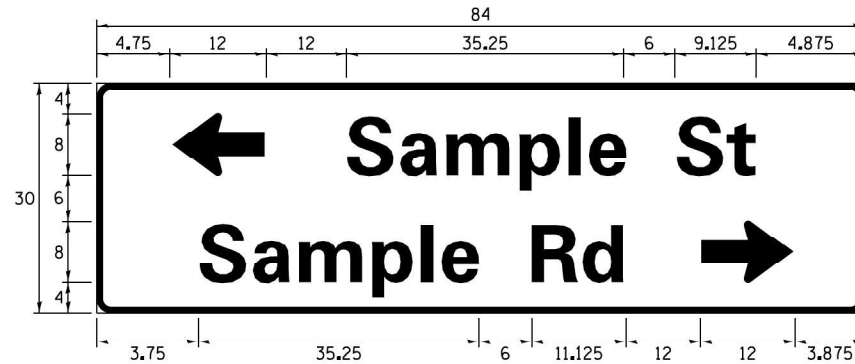
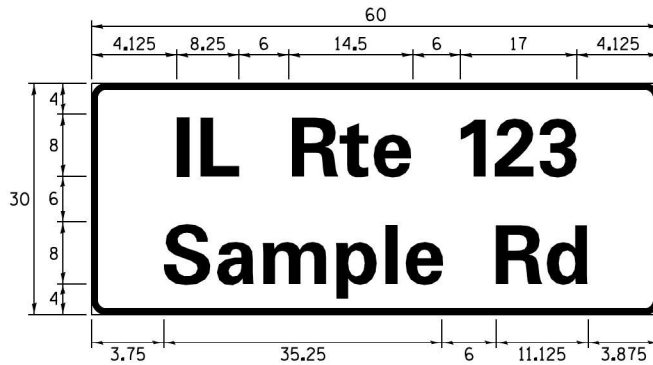
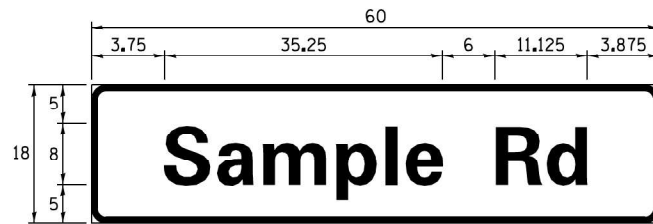
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

D:\276\38-shr-hr-30-ein Rte. 3 and Stolle Rd.dgn

USER NAME = msomer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/27/2026	DATE -	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	38
CONTRACT NO. 76U38				
ILLINOIS			FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THERE IS SPACE AVAILABLE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

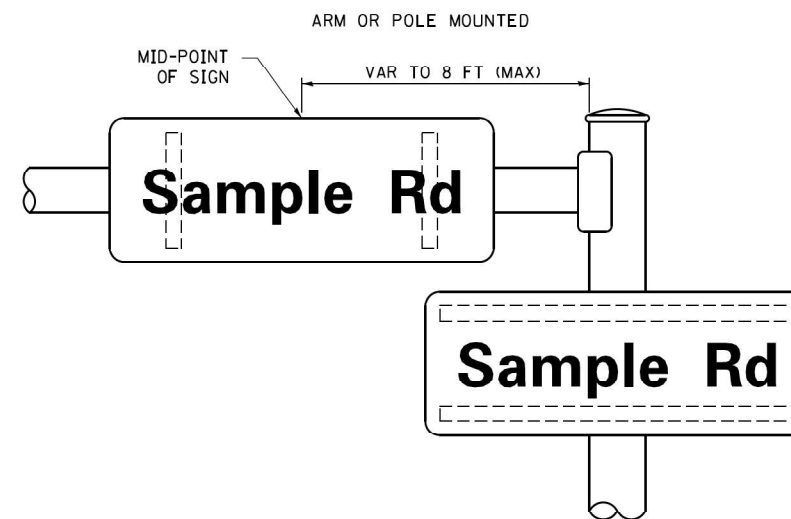
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

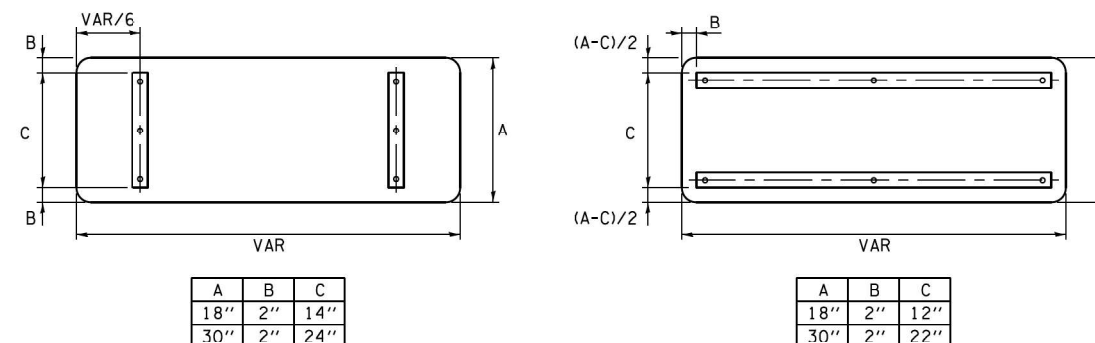
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
- SIGN SCREWS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



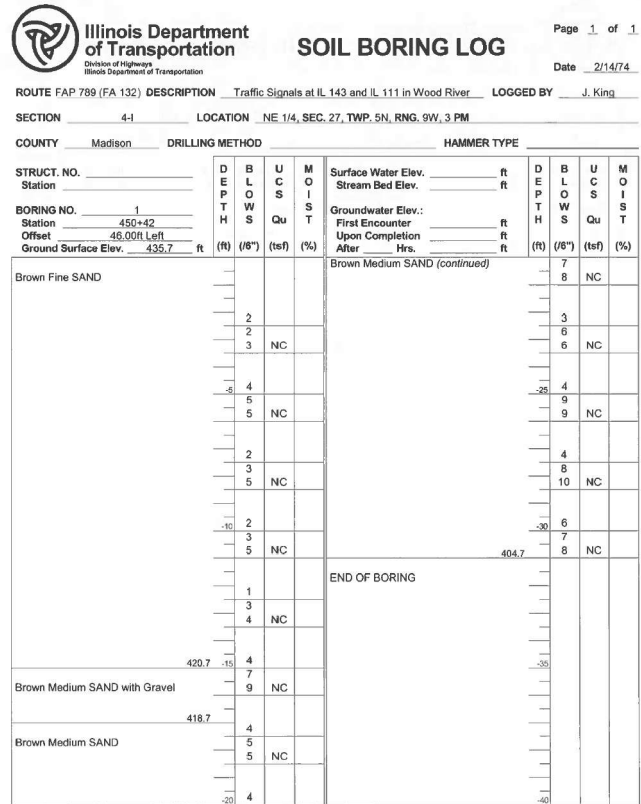
SUPPORTING CHANNELS



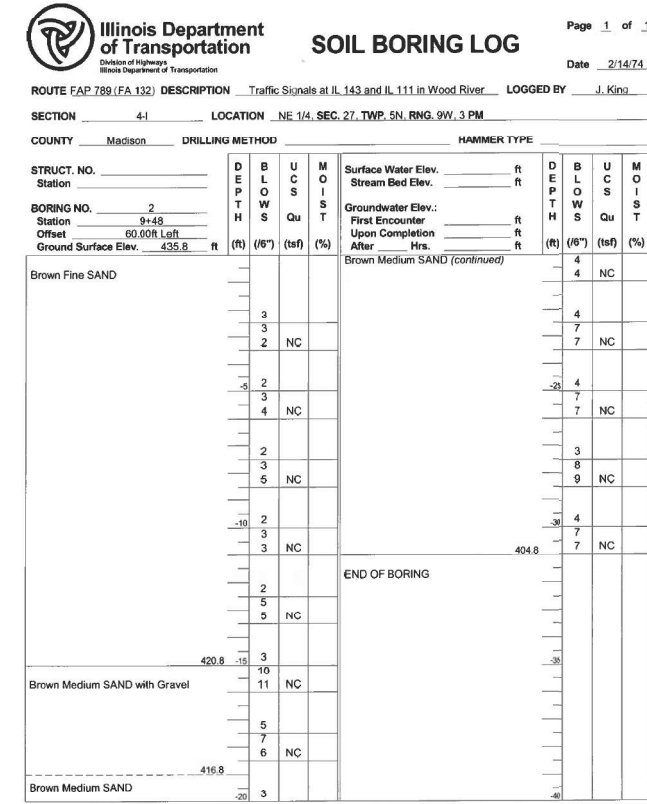
STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

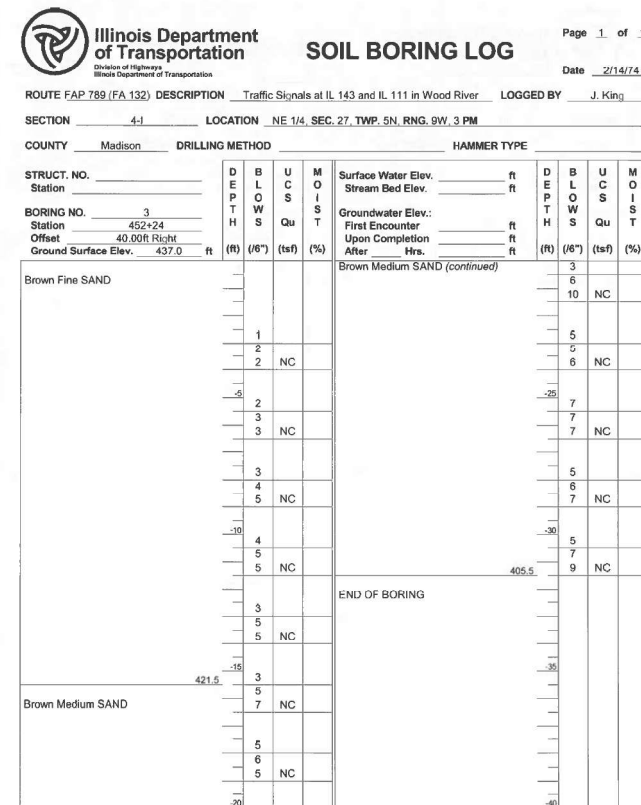
FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.032	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.032	0.240	L	0.960	4.962	0.240
M	0.880	5.234	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.032	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.034	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.032	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.032	0.720	d	0.480	4.802	0.800
e	0.480	4.032	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.032	0.720	g	0.480	4.802	0.800
h	0.720	4.032	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.032	0.640	n	0.800	4.722	0.720
o	0.480	4.032	0.480	o	0.480	4.882	0.480
p	0.720	4.032	0.480	p	0.800	4.802	0.480
q	0.480	4.032	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.032	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.630	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.952	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240



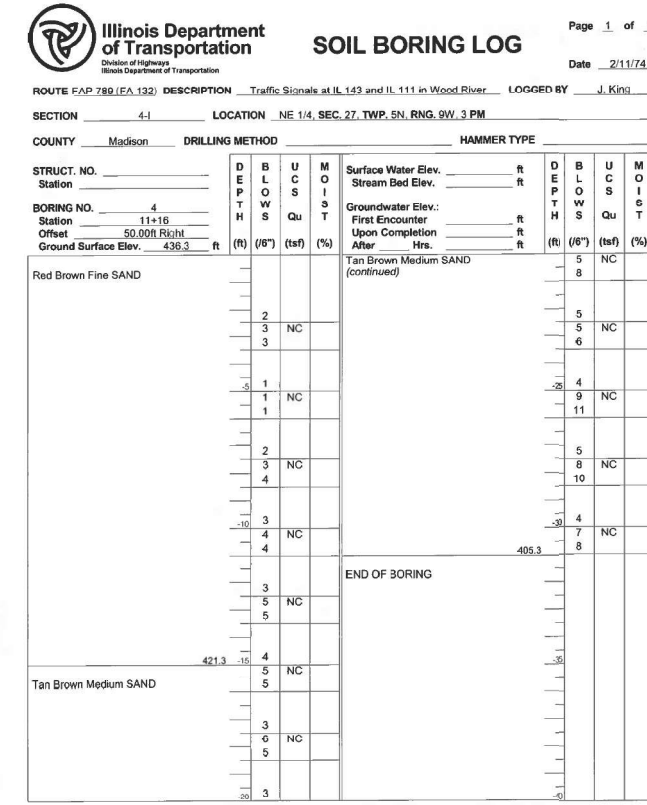
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

MODEL: 39 soil boring (Sheet) FILE NAME: c:\pwworking\daniel.hopkins@illinois.gov\d1171496\0876U38_Boring Log sheets.dgn

USER NAME = daniel.hopkins	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/20/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
IL 143 AT IL 111**

SCALE: SHEET 39 soil boring SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	40
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				

WILL BE ADDED LATER

MODEL: 41 soil boring (Sheet)
FILE NAME: c:\p\work\171456\171456\0876U38_Boring.lg_shts.dgn

USER NAME = daniel.hopkins	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/20/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
IL 161 AT FULLERTON RD.**

SCALE: SHEET 41 soil boring SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	42
				CONTRACT NO. 76U38
				ILLINOIS FED. AID PROJECT

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 3/19/81

ROUTE FAP 805 DESCRIPTION Traffic Signals at IL 161 and Lebanon Avenue LOGGED BY J. King

SECTION 123-R-1 LOCATION NE 1/4, SE 1/4, SEC. 23, TWP. 1N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 255+99.55=61+75.3
Station 255+75
Offset 45.00ft L
Ground Surface Elev. 533.6 ft

BORING NO. 1
Station 256+75
Offset 45.00ft L
Ground Surface Elev. 533.6 ft

DEPTH (ft)	SOIL TYPE	REMARKS	BLU (ft)	UCS (tsf)	MOI (%)
0	Surface Water Elev.	ft			
0	Stream Bed Elev.	ft			
0	Groundwater Elev.:	ft			
0	First Encounter	ft			
0	Upon Completion	ft			
0	After	Hrs.			
0	Brown and Gray Silty CLAY (continued)		2	0.7	24
0	END OF BORING				
3			1.6		
4			1.2	28	
4			B		
			1.0		
3			1.0	30	
3			R		
			1.0		
3			1.0	26	
3			B		
			1.0		
2			0.6	31	
2			0.5		
2			0.5		
2			0.7		
3			0.8	28	
3			0.8		
			1.2		
2			1.4	28	
3			1.5		
			1.3		
3			2.2	27	
3			2.0		
2			0.7		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 3/19/81

ROUTE FAP 805 DESCRIPTION Traffic Signals at IL 161 and Lebanon Avenue LOGGED BY J. King

SECTION 123-R-1 LOCATION NE 1/4, SE 1/4, SEC. 23, TWP. 1N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 255+99.55=61+75.3
Station 255+99.55
Offset 55.00ft L
Ground Surface Elev. 535.9 ft

BORING NO. 2
Station 256+99.55
Offset 55.00ft L
Ground Surface Elev. 535.9 ft

DEPTH (ft)	SOIL TYPE	REMARKS	BLU (ft)	UCS (tsf)	MOI (%)
0	Surface Water Elev.	ft			
0	Stream Bed Elev.	ft			
0	Groundwater Elev.:	ft			
0	First Encounter	ft			
0	Upon Completion	ft			
0	After	Hrs.			
0	Brown and Gray Silty CLAY		2	1.2	22
0	Brown Gray TILL (continued)		2	S	
0	END OF BORING				
2			0.8	28	
2			0.8		
3			B		
			0.9		
2			0.8		
2			0.7	28	
3			B		
			0.5		
2			0.7		
2			0.8	29	
2			B		
			1.0		
3			1.0	26	
3			B		
			1.0		
2			1.2		
3			1.3	25	
2			B		
			1.3		
2			0.8	25	
2			0.8		
2			D		
			0.8		
2			1.0		
1			1.0	24	
1			B		
			0.7		
2			1.0		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 3/19/81

ROUTE FAP 805 DESCRIPTION Traffic Signals at IL 161 and Lebanon Avenue LOGGED BY J. King

SECTION 123-R-1 LOCATION NE 1/4, SE 1/4, SEC. 23, TWP. 1N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 255+99.55=61+75.3
Station 255+99.55
Offset 61.00ft R
Ground Surface Elev. 532.0 ft

BORING NO. 3
Station 62+40
Offset 61.00ft R
Ground Surface Elev. 532.0 ft

DEPTH (ft)	SOIL TYPE	REMARKS	BLU (ft)	UCS (tsf)	MOI (%)
0	Surface Water Elev.	ft			
0	Stream Bed Elev.	ft			
0	Groundwater Elev.:	ft			
0	First Encounter	ft			
0	Upon Completion	ft			
0	After	Hrs.			
0	Brown and Gray Silty CLAY (continued)		2	1.2	25
0	END OF BORING				
2			1.0	29	
3			1.0		
			0.6		
2			0.8	29	
3			0.8		
			0.7		
2			0.7	28	
2			0.7		
2			0.9		
2			0.8	29	
2			1.0		
2			0.9		
2			0.8	29	
2			1.0		
2			1.1		
2			1.1		
3			1.3		
3			1.3	26	
4			1.4		
2			1.2		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 3/20/81

ROUTE FAP 805 DESCRIPTION Traffic Signals at IL 161 and Lebanon Avenue LOGGED BY J. King

SECTION 123-R-1 LOCATION NE 1/4, SE 1/4, SEC. 23, TWP. 1N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. 255+99.55=61+75.3
Station 255+99.55
Offset 58.00ft L
Ground Surface Elev. 539.8 ft

BORING NO. 4
Station 256+99.55
Offset 58.00ft L
Ground Surface Elev. 539.8 ft

DEPTH (ft)	SOIL TYPE	REMARKS	BLU (ft)	UCS (tsf)	MOI (%)
0	Surface Water Elev.	ft			
0	Stream Bed Elev.	ft			
0	Groundwater Elev.:	ft			
0	First Encounter	ft			
0	Upon Completion	ft			
0	After	Hrs.			
0	Brown and Gray Silty CLAY		0.75	-	
			1.0	28	
			1.5	-	
			1.5	28	
			1.5	-	
			1.25	30	
			1.25	-	
			0.75	30	
			0.5	-	
			0.75	29	
			0.75	-	
			0.75	29	
			0.75	-	
			1.0	28	
			1.25	-	
			1.25	26	
			1.25	-	
			522.8	1.25	25
			END OF BORING		
			ALL QU VALUES RECORDED FROM POCKET PENTROMETER READINGS.		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 3/19/81

ROUTE FAP 805 DESCRIPTION IL 161 Retaining Wall on Lebanon Avenue in Belleville LOGGED BY J. King

SECTION 123-R-1 LOCATION NE 1/4, SE 1/4, SEC. 23, TWP. 1N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. 255+99.55=61+75.3
Station 62+85
Offset 24.00ft L
Ground Surface Elev. 535.4 ft

BORING NO. 5
Station 62+85
Offset 24.00ft L
Ground Surface Elev. 535.4 ft

DEPTH (ft)	SOIL TYPE	REMARKS	BLU (ft)	UCS (tsf)	MOI (%)
0	Surface Water Elev.	ft			
0	Stream Bed Elev.	ft			
0	Groundwater Elev.:	ft			
0	First Encounter	ft			
0	Upon Completion	ft			
0	After	Hrs.			
0	Brown and Gray Silty CLAY		0.75	27	
			1.0	28	
			1.0	29	
			1.0	29	
			1.0	29	
			1.0	29	
			1.0	29	
			0.75	29	
			0.75	29	
			527.4	0.75	29
			END OF BORING		
			ALL QU VALUES RECORDED FROM POCKET PENTROMETER READINGS.		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 3/19/81

ROUTE FAP 805 DESCRIPTION IL 161 Retaining Wall on Lebanon Avenue in Belleville LOGGED BY J. King

SECTION 123-R-1 LOCATION NE 1/4, SE 1/4, SEC. 23, TWP. 1N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. 255+99.55=61+75.3
Station 63+85
Offset 24.00ft L
Ground Surface Elev. 535.3 ft

BORING NO. 6
Station 63+85
Offset 24.00ft L
Ground Surface Elev. 535.3 ft

DEPTH (ft)	SOIL TYPE	REMARKS	BLU (ft)	UCS (tsf)	MOI (%)
0	Surface Water Elev.	ft			
0	Stream Bed Elev.	ft			
0	Groundwater Elev.:	ft			
0	First Encounter	ft			
0	Upon Completion	ft			
0	After	Hrs.			
0	Brown and Gray Silty CLAY		1.0	25	
			1.6	26	
			1.5	27	
			1.0	29	
			1.0	29	
			1.0	29	
			1.0	29	
			0.75	29	
			0.75	28	
			527.3	0.75	28
			END OF BORING		
			ALL QU VALUES RECORDED FROM POCKET PENTROMETER READINGS.		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 3/19/81

ROUTE FAP 805 DESCRIPTION IL 161 Retaining Wall on Lebanon Avenue in Belleville LOGGED BY J. King

SECTION 123-R-1 LOCATION NE 1/4, SE 1/4, SEC. 23, TWP. 1N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. 255+99.55=61+75.3
Station 64+95
Offset 26.00ft L
Ground Surface Elev. 538.2 ft

BORING NO. 7
Station 64+95
Offset 26.00ft L
Ground Surface Elev. 538.2 ft

DEPTH (ft)	SOIL TYPE	REMARKS	BLU (ft)	UCS (tsf)	MOI (%)
0	Surface Water Elev.	ft			
0	Stream Bed Elev.	ft			
0	Groundwater Elev.:	ft			
0	First Encounter	ft			
0	Upon Completion	ft			
0	After	Hrs.			
0	Brown and Gray Silty CLAY		0.75	24	
			0.75	24	
			1.5	24	
			1.5	25	
			1.5	30	
			1.5	30	
			1.0	30	
			1.0	30	
			528.2	1.0	31
			END OF BORING		
			ALL QU VALUES RECORDED FROM POCKET PENTROMETER READINGS.		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 3/19/81

ROUTE FAP 805 DESCRIPTION IL 161 Retaining Wall on Lebanon Avenue in Belleville LOGGED BY J. King

SECTION 123-R-1 LOCATION NE 1/4, SE 1/4, SEC. 23, TWP. 1N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. 255+99.55=61+75.3
Station 65+85
Offset 24.00ft L
Ground Surface Elev. 434.0 ft

BORING NO. 8
Station 65+85
Offset 24.00ft L
Ground Surface Elev. 434.0 ft

DEPTH (ft)	SOIL TYPE	REMARKS	BLU (ft)	UCS (tsf)	MOI (%)
0	Surface Water Elev.	ft			
0	Stream Bed Elev.	ft			
0	Groundwater Elev.:	ft			
0	First Encounter	ft			
0	Upon Completion	ft			
0	After	Hrs.			
0	Brown and Gray Silty CLAY		1.0	23	
			1.25	24	
			1.5	27	
			1.5	28	
			1.25	30	
			1.0	30	
			0.75	29	
			0.75	30	
			426.0	0.75	30
			END OF BORING		
			ALL QU VALUES RECORDED FROM POCKET PENTROMETER READINGS.		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

MODEL: 42 soil boring (Sheet)
FILE NAME: c:\p\work\soil\soil\hopskins\illinois.gov\1171496\0876038_Boring Log_shts.dgn

USER NAME = daniel.hopkins	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 42 soil boring	SHEETS	STA.	TO STA.
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SOIL BORING LOGS
IL 161 AT LEBANON AVE.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	43
CONTRACT NO. 76U38			ILLINOIS FED. AID PROJECT	

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG Page 1 of 1
Date 6/11/82

ROUTE FAP 312 (FA 4) DESCRIPTION Traffic Signals at IL 3 and Stolle Road LOGGED BY J. King
SECTION 64-2 LOCATION SE 1/4, SW 1/4, SEC. 10, TWP. 1N, RNG. 10W, 3 PM
COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. _____
Station _____
BORING NO. 1
Station 293+68
Offset 61.00ft L
Ground Surface Elev. 416.5 ft (ft) (ft) (ft) (%)

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
1.5	Brown and Gray Silty CLAY	PP								
2.0		PP	24							
2.0		PP								
2.0		PP								
2.0		PP								
2.0		PP	29							
2.0		PP								
2.0		PP								
2.0		PP								
410.5		PP	27							
0.75	Brown and Gray SILT	PP								
0.75		PP	27							
0.75		PP								
0.75		PP								
0.75		PP								
406.5		PP	24							
0.75	Brown and Gray Fine Silty SAND	PP								
NC										
404.5		NC	18							

END OF BORING

NOTE:
ALL "QU" VALUES RECORDED FROM POCKET PENETROMETER READINGS. SINCE THIS BORING WAS DRILLED BY HAND NO "N" VALUES ARE AVAILABLE.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG Page 1 of 1
Date 6/11/82

ROUTE FAP 312 (FA 4) DESCRIPTION Traffic Signals at IL 3 and Stolle Road LOGGED BY J. King
SECTION 64-2 LOCATION SE 1/4, SW 1/4, SEC. 10, TWP. 1N, RNG. 10W, 3 PM
COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. _____
Station _____
BORING NO. 2
Station 294+49
Offset 97.00ft L
Ground Surface Elev. 416.4 ft (ft) (ft) (ft) (%)

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
1.5	Brown and Gray Silty CLAY	PP								
2.0		PP	25							
2.5		PP								
2.0		PP	28							
2.0		PP								
2.0		PP								
2.0		PP								
410.4		PP	30							
0.75	Brown and Gray SILT	PP								
0.75		PP	30							
0.75		PP								
0.75		PP								
0.75		PP								
406.4		PP	29							
0.75	Brown and Gray Fine Silty SAND	PP								
NC										
404.4		NC	18							

END OF BORING

NOTE:
ALL "QU" VALUES RECORDED FROM POCKET PENETROMETER READINGS. SINCE THIS BORING WAS DRILLED BY HAND NO "N" VALUES ARE AVAILABLE.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG Page 1 of 1
Date 6/11/82

ROUTE FAP 312 (FA 4) DESCRIPTION Traffic Signals at IL 3 and Stolle Road LOGGED BY J. King
SECTION 64-2 LOCATION SE 1/4, SW 1/4, SEC. 10, TWP. 1N, RNG. 10W, 3 PM
COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. _____
Station _____
BORING NO. 3
Station 295+58
Offset 47.00ft L
Ground Surface Elev. 414.2 ft (ft) (ft) (ft) (%)

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
1.5	Brown and Gray Silty CLAY	PP								
2.0		PP	24							
2.5		PP								
2.0		PP	37							
2.0		PP								
2.0		PP								
408.2		PP	21							
0.75	Brown and Gray SILT	PP								
0.75		PP	31							
0.75		PP								
0.75		PP								
404.2		PP	34							
0.75	Brown and Gray Fine Silty SAND	PP								
NC										
402.2		NC	19							

END OF BORING

NOTE:
ALL "QU" VALUES RECORDED FROM POCKET PENETROMETER READINGS. SINCE THIS BORING WAS DRILLED BY HAND NO "N" VALUES ARE AVAILABLE.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG Page 1 of 1
Date 6/11/82

ROUTE FAP 312 (FA 4) DESCRIPTION Traffic Signals at IL 3 and Stolle Road LOGGED BY J. King
SECTION 64-2 LOCATION SE 1/4, SW 1/4, SEC. 10, TWP. 1N, RNG. 10W, 3 PM
COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. _____
Station _____
BORING NO. 4
Station 294+16
Offset 47.00ft L
Ground Surface Elev. 425.0 ft (ft) (ft) (ft) (%)

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
1.5	Brown and Gray Silty CLAY	PP								
1.5		PP	24							
2.0		PP								
2.0		PP								
2.0		PP	29							
0.75	Brown and Gray Clay SILT	PP								
0.75		PP								
1.0		PP	24							
0.75		PP								
418.0		PP								
2.0	Gray Silty CLAY	PP	27							
2.5		PP								
2.5		PP	35							
2.0		PP								
2.0		PP								
413.0		PP	26							

END OF BORING

NOTE:
ALL "QU" VALUES RECORDED FROM POCKET PENETROMETER READINGS. SINCE THIS BORING WAS DRILLED BY HAND NO "N" VALUES ARE AVAILABLE.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-99)

MODEL: 43 soil borinG (Sheet)
FILE NAME: c:\pwworking\daniel.hopkins\illinois\gov\1171496\0876U38_Boring Log_shts.dgn

USER NAME = daniel.hopkins	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/20/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL BORING LOGS

SCALE: SHEET 43 soil borinG SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS REPLACE 2026-1	VARIOUS	44	44
CONTRACT NO. 76U38				
ILLINOIS FED. AID PROJECT				