

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

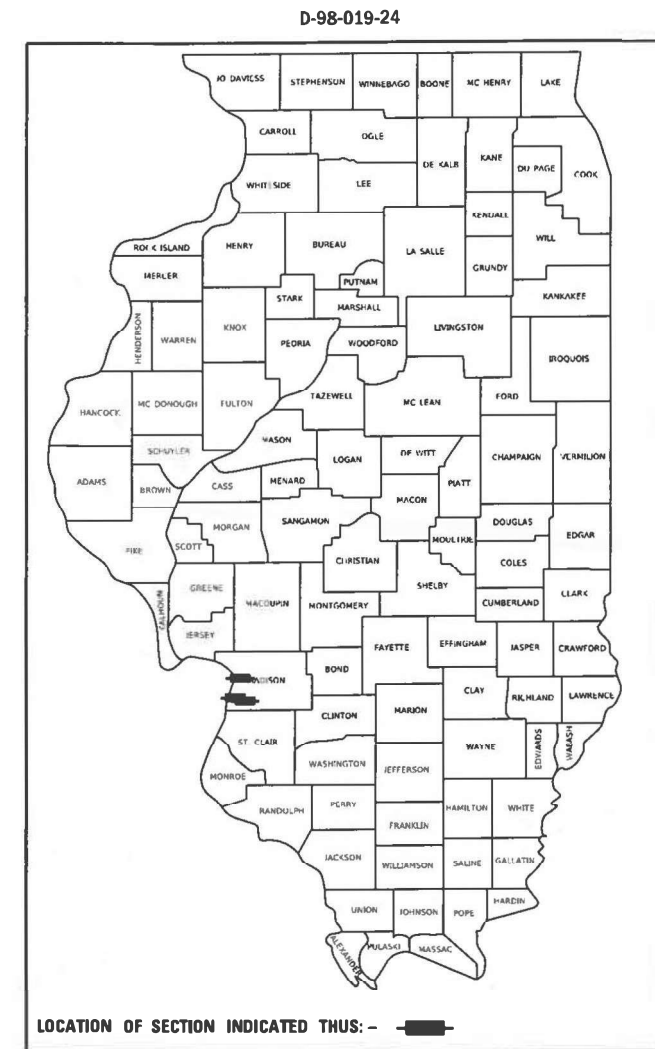
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN. 2025-1	MADISON	22	1
		ILLINOIS	CONTRACT NO. 76T49	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

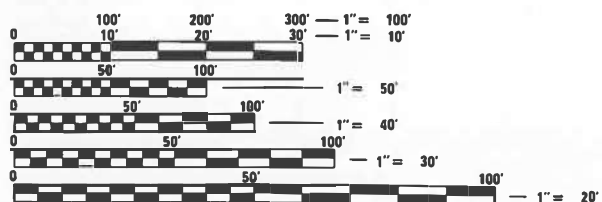
PROPOSED HIGHWAY PLANS

FAP 594, FAP 2, FAP 582 (IL 203, IL 3, IL 111)
SECTION DIST 8 TS 2025-1
PROJECT NHPP-STP-3R3I(305)
TRAFFIC SIGNAL MODERNIZATION
MADISON COUNTY

C-98-054-24



SEAL TO BE ADDED WITH FINAL SUBMITTAL.



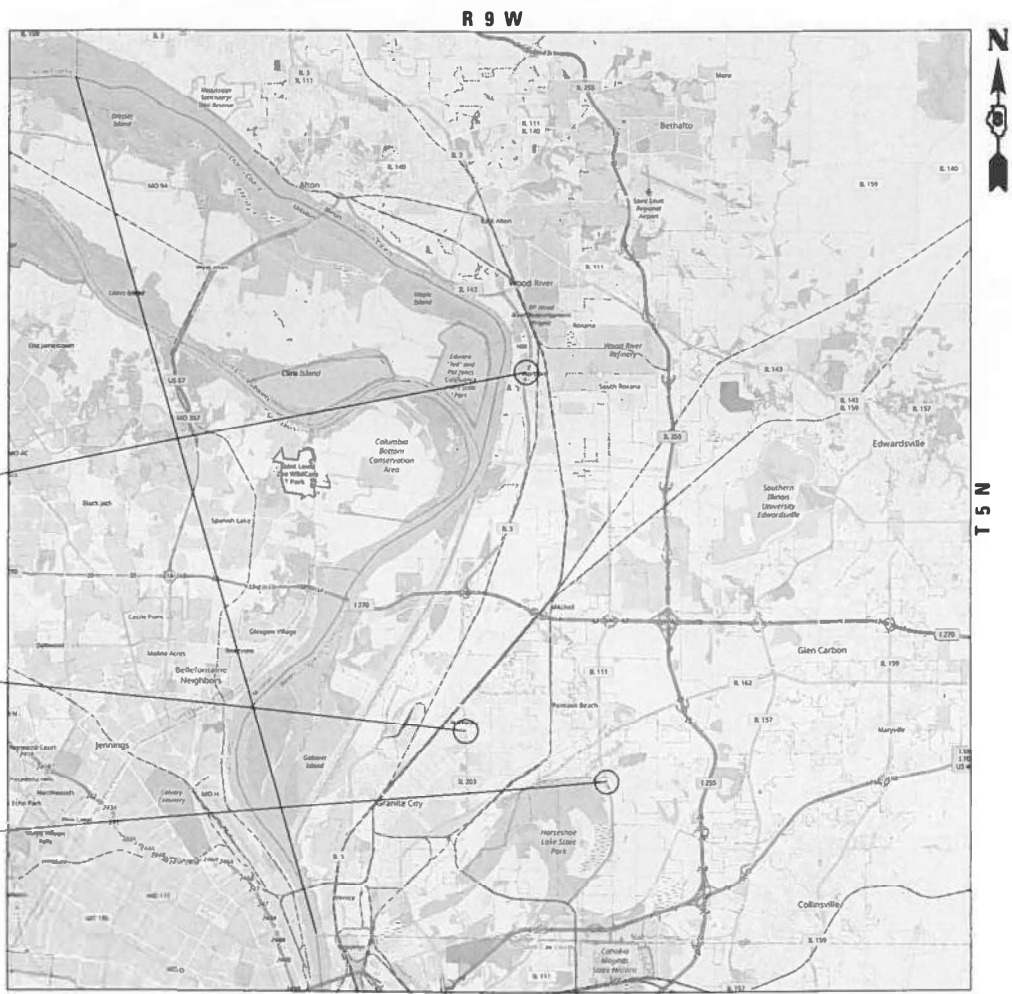
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

IL RTE 3 AT
W HAWTHORNE ST
38.833°N, 90.099°W

IL RTE 203 AT
JOHNSONFEHLING RD
38.723°N, 90.122°W

IL RTE 111 AT
HORSESHOE LAKE RD
38.707°N, 90.067°W



MAP NOT TO SCALE
CHOUTEAU, WOOD RIVER, AND GRANITE CITY TOWNSHIPS

PROJECT ENGINEER: CHERYL KEPLAR
PROJECT MANAGER: RICHARD BARBEE

CONTRACT NO. 76T49

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct. 15, 2024
Kirk HFB
REGIONAL ENGINEER

December 6, 2024
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

December 6, 2024
James J. Gu
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND LEGEND
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TRAFFIC SIGNAL PLANS	
7-9	TRAFFIC SIGNALS - IL RTE 203 AT JOHNSON/FEHLING RD
10-12	TRAFFIC SIGNALS - IL RTE 3 AT W HAWTHORNE ST
13-15	TRAFFIC SIGNALS - IL RTE 111 AT HORSESHOE LAKE RD
16	TRAFFIC SIGNAL DETAILS
17-22	SOIL BORING LOGS

HIGHWAY STANDARDS

STD. NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-RD OPERATIONS, 2L, 2W MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATION
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
420001-10	PAVEMENT JOINTS

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO THE ARTICLE 202.03 OF THE STANDARD SPECIFICATION AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COSTS OF THE UNDERGROUND CONDUIT.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION EQUAL TO THAT EXISTING BEFORE THE DAMAGE INCURRED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- RIGHT OF WAY LIMITS SHOWN ARE APPROXIMATE AND FOR INFORMATION ONLY.
- THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF THE SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.
- ALL HANDHOLE COVER CAST-IN-PLACE LEGENDS SHALL BE "IDOT TRAFFIC SIGNALS".
- SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE ITS OWN FACILITIES (SUCH AS UNDERGROUND CONDUIT AND/OR CABLE FOR TRAFFIC SIGNALS OR HIGHWAY LIGHTING). THE APPLICANT, AT HIS/HEAR OWN EXPENSE, MUST OBTAIN THE SERVICES OF A QUALIFIED ELECTRICAL CONTRACTOR TO LOCATE SUCH STATE-OWNED FACILITIES.
- UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE:
 AMEREN ILLINOIS
 APEX OIL COMPANY, INC.
 AT&T ILLINOIS
 BUCKEYE PARTNERS L.P. WOOD RIVER
 CHARTER COMMUNICATIONS, INC.
 EVERSTREAM GLC HOLDING CO LLC
 VILLAGE OF HARTFORD
 ILLINOIS AMERICAN WATER COMPANY
 LEVEL 3 COMMUNICATIONS, LLC
 MARATHON PIPE LINE LLC
 VERIZON BUSINESS
 VILLAGE OF SOUTH ROXANA
 ST. LOUIS PIPELINE OPERATING LLC
 WOOD RIVER DRAINAGE & LEVEE DIST.
 ZAYO GROUP LLC
 SEE SHEETS 7, 10, AND 13 FOR INTERSECTION-SPECIFIC UTILITY SCHEDULES AND CONTACT INFORMATION.
- THE FOLLOWING ITEMS AND APPROXIMATE QUANTITIES ARE INCLUDED IN THE SUMMARY OF QUANTITIES IN ORDER TO ESTABLISH A UNIT COST FOR WORK WHICH MAY BE REQUIRED TO CONSTRUCT THIS SECTION. THE ACTUAL QUANTITY FOR EACH ITEM SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

LOCATING UNDERGROUND CABLE 100 FT

COMMITMENTS

NONE

REV - MS

TRAFFIC SIGNAL LEGEND

- EXISTING TRAFFIC CONTROLLER CABINET
- EXISTING SIGNAL HEAD (NO BACKPLATE)
- EXISTING SIGNAL HEAD (WITH BACKPLATE)
- EXISTING HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING TRAFFIC SIGNAL POST
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- EXISTING UNDERGROUND CONDUIT
- EXISTING PEDESTRIAN PUSH BUTTON
- EXISTING PEDESTRIAN SIGNAL HEAD
- PROPOSED SIGNAL HEAD (NO BACKPLATE)
- PROPOSED SIGNAL HEAD (WITH BACKPLATE)
- PROPOSED TRAFFIC SIGNAL POST
- PROPOSED STEEL MAST ARM ASSEMBLY AND POLE
- PROPOSED UNDERGROUND CONDUIT
- PROPOSED PEDESTRIAN PUSH BUTTON
- PROPOSED PEDESTRIAN SIGNAL HEAD

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GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 505 N. NORTHWEST HIGHWAY SUITE 300 CHICAGO, ILLINOIS 60659 TEL: 773-774-5900	USER NAME = brice	DESIGNED - AV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND LEGEND			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - BR, AV, EA	CHECKED - MS	REVISED -		VAR	DIST 8 15 MODERN, 2025-1	MADISON	22	2				
	PLOT SCALE = 0:2.0000" = 1" / in.	DATE - 2024-10-04	REVISED -					CONTRACT NO. 76T49					
	PLOT DATE = 10/4/2024	DATE - 2024-10-04	REVISED -		SCALE: N.T.S.			SHEET	OF	SHEETS	STA.	TO STA.	
												ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	80% FED 20% STATE TOTAL QUANTITY	CONSTRUCTION CODE	
				MADISON (NHPP)	MADISON (STP)
				TRAFFIC SIGNALS 0021 URBAN	TRAFFIC SIGNALS 0021 URBAN
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	239	175	64
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	83	83	0
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	0
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	0
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	0
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10	0
67100100	MOBILIZATION	L SUM	1	0.67	0.33
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.67	0.33
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.67	0.33
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.67	0.33
* 72000100	SIGN PANEL - TYPE 1	SO FT	27	27	0
* 72000200	SIGN PANEL - TYPE 2	SO FT	35	35	0
* 72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	36	36	0
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	61	23	38

* SPECIALTY ITEM

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DATE: 11/14/2024



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PLOT DATE = 11/14/2024	DATE - 2024-11-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 1	OF 4 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	3
				CONTRACT NO. 76T49
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTRUCTION CODE	CONSTRUCTION CODE
				MADISON (NHPP)	MADISON (STP)
				TRAFFIC SIGNALS	TRAFFIC SIGNALS
				0021	0021
				URBAN	URBAN
80300100	LOCATING UNDERGROUND CABLE	FOOT	100	67	33
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	759	572	187
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	2	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1301	945	356
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1331	973	358
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	11652	5026	6626
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2469	2469	0
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2152	1042	1110
87502640	TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	1	1	0
87502670	TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	11	7	4
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1	1	0
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	1	0
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2	2	0
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1	1	0
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2	2	0

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 2 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	4
			CONTRACT NO. 76T49	
ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 594 (IL 203) FAP 2 (IL 3)		FAP 582 (IL 111)	
				CONSTRUCTION CODE		CONSTRUCTION CODE	
				MADISON (NHPP)		MADISON (STP)	
				TRAFFIC SIGNALS 0021 URBAN	TRAFFIC SIGNALS 0021 URBAN	TRAFFIC SIGNALS 0021 URBAN	TRAFFIC SIGNALS 0021 URBAN
87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1	1	0		
87700340	STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	2	0	2		
87700400	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	2	0	2		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	36	24	12		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	108	108	0		
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	84	0	84		
87900200	DRILL EXISTING HANDHOLE	EACH	25	16	9		
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	26	14	12		
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	18	10	8		
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4	4	0		
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4	4	0		
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2	0		
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2	2	0		
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6	6	0		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	5
			CONTRACT NO. 76T49	
ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				MADISON (NHPP)	MADISON (STP)
				TRAFFIC SIGNALS 0021 URBAN	TRAFFIC SIGNALS 0021 URBAN
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	32	20	12
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2	0	2
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2	0	2
89502200	MODIFY EXISTING CONTROLLER	EACH	2	2	0
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	81854	45828	36026
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	2	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	23	15	8
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	239	175	64
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6	6	0
X8760201	PEDESTRIAN PUSH-BUTTON POST	EACH	3	3	0
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12	12	0

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	6
			CONTRACT NO. 76T49	
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES, IL RTE 203 AT JOHNSONFEHLING RD

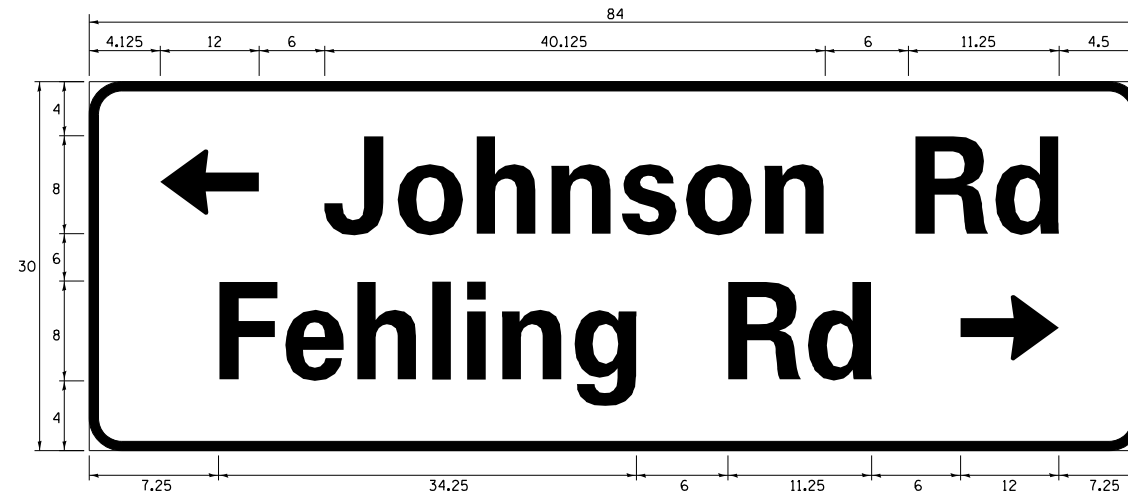
ITEM	UNIT	TOTAL QUANTITY
CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	175
MOBILIZATION	L SUM	0.34
TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	0.33
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.33
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	0.33
SIGN PANEL - TYPE 1	SQ FT	15
SIGN PANEL - TYPE 2	SQ FT	35
REMOVE SIGN PANEL - TYPE 1	SQ FT	36
LOCATING UNDERGROUND CABLE	FOOT	34
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	407
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	491
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	519
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2049
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1613
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	488
TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	58
DRILL EXISTING HANDHOLE	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	10
MODIFY EXISTING CONTROLLER	FOOT	22127
REMOVE ELECTRIC CABLE FROM CONDUIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	SQ FT	175
CONCRETE MEDIAN SURFACE REMOVAL	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	3
PEDESTRIAN PUSH-BUTTON POST	FOOT	12
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER		

UTILITIES

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	2600 N CENTER STREET, MARYVILLE, IL 62062	GAS & ELECTRIC	YES	X	X
AT&T ILLINOIS	160 WEST DIVISION STREET, MARYVILLE, IL 62062	COMMUNICATIONS	YES	X	X
CHARTER SPECTRUM	210 WEST DIVISION STREET, MARYVILLE, IL 62062	CABLE TV	YES	X	X
EVERSTREAM GLC HOLDING CO LLC	1228 EUCLID AVE, SUITE 250, CLEVELAND, OH 44115	COMMUNICATIONS	YES	X	X
EXTENET SYSTEMS LLC	3030 WARRENVILLE RD, SUITE 340, LISLE, IL 60532	COMMUNICATIONS	YES	X	X
CITY OF GRANITE CITY	2000 EDISON AVE, GRANITE CITY, IL 62040	SEWER	YES		X
IL AMERICAN WATER-GRANITE CITY	2000 W 24TH STREET, GRANITE CITY, IL 62040	SEWER & WATER	YES		X

SIGN PANEL – TYPE 2

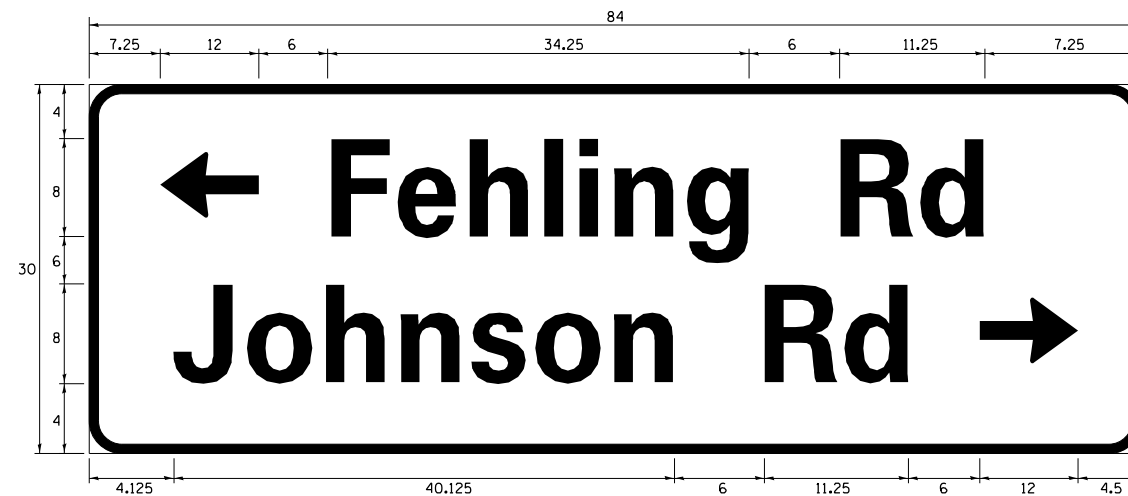
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



AREA (SQ FT)	SIGN PANEL TYPE	QTY. REQUIRED
17.5	2	1

SIGN PANEL – TYPE 2

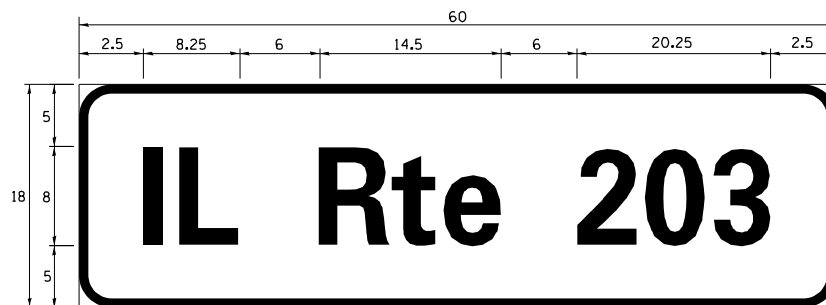
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



AREA (SQ FT)	SIGN PANEL TYPE	QTY. REQUIRED
17.5	2	1

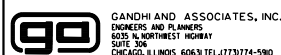
SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



AREA (SQ FT)	SIGN PANEL TYPE	QTY. REQUIRED
7.5	1	2

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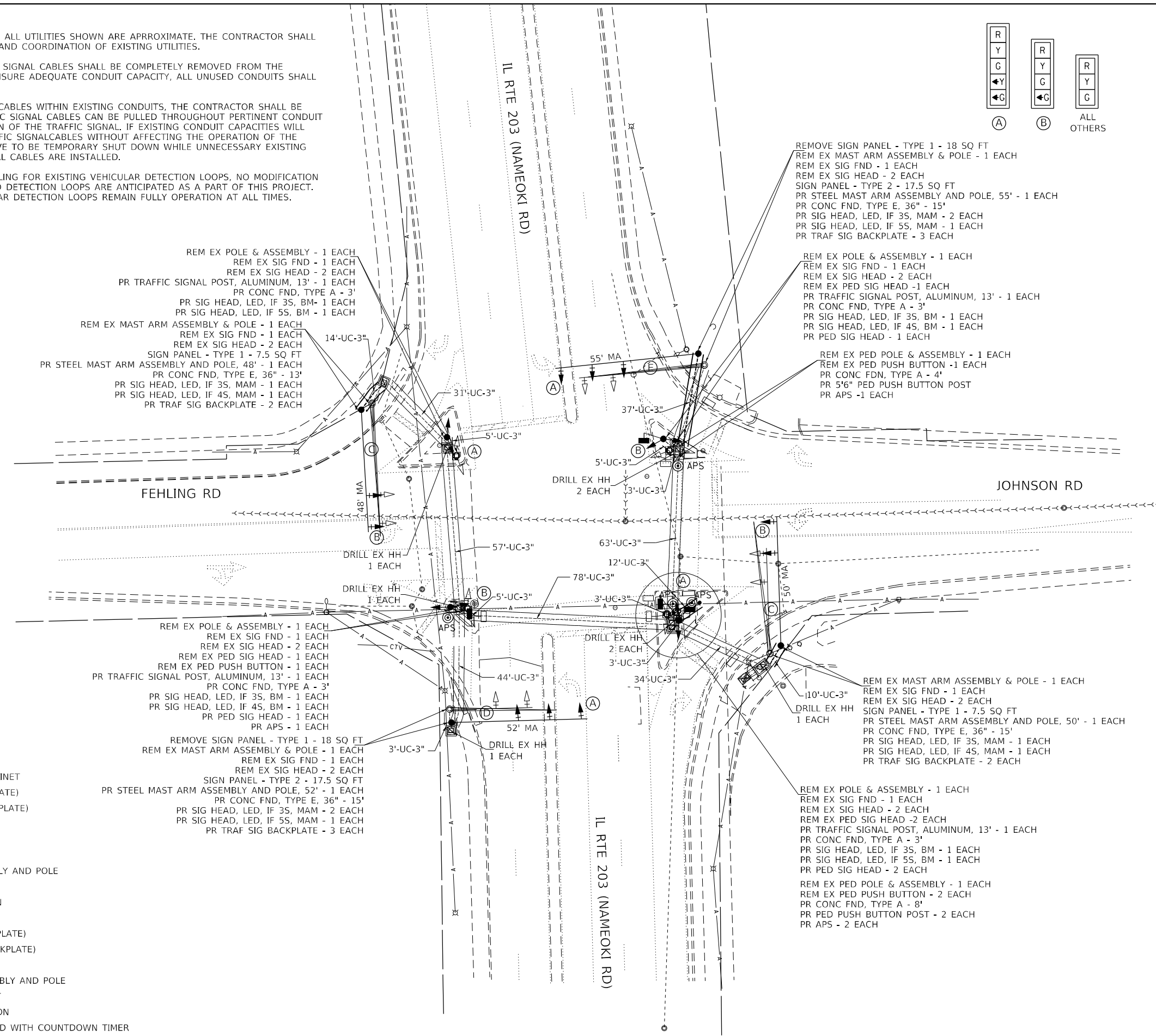
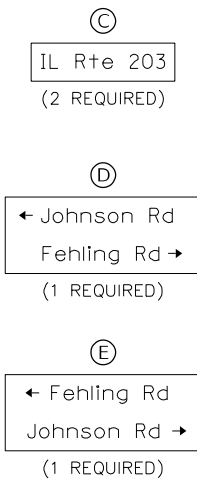
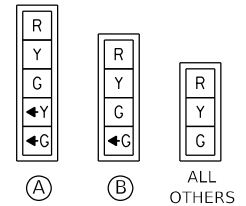
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES, UTILITIES, AND MAST ARM MOUNTED STREET NAME SIGNS IL RTE 203 AT JOHNSONFEHLING RD	
SCALE: N.T.S.	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 15 MODERN, 2025-1	MADISON	22	7
			CONTRACT NO. 76T49	
		ILLINOIS FED. AID PROJECT		

NOTES:

1. ALL UTILITIES PRESENT MAY NOT BE SHOWN, ALL UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, PROTECTION, AND COORDINATION OF EXISTING UTILITIES.
2. ALL UNUSED AND/OR UNNECESSARY TRAFFIC SIGNAL CABLES SHALL BE COMPLETELY REMOVED FROM THE EXISTING CONDUIT SYSTEM, IF POSSIBLE, TO ENSURE ADEQUATE CONDUIT CAPACITY, ALL UNUSED CONDUITS SHALL BE REMOVED OR ABANDONED.
3. PRIOR TO INSTALLING NEW TRAFFIC SIGNAL CABLES WITHIN EXISTING CONDUITS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF NEW TRAFFIC SIGNAL CABLES CAN BE PULLED THROUGHOUT PERTINENT CONDUIT SEGMENTS WITHOUT AFFECTING THE OPERATION OF THE TRAFFIC SIGNAL. IF EXISTING CONDUIT CAPACITIES WILL PREVENT THE INSTALLATION OF THE NEW TRAFFIC SIGNALCABLES WITHOUT AFFECTING THE OPERATION OF THE TRAFFIC SIGNAL, THE TRAFFIC SIGNAL WILL HAVE TO BE TEMPORARILY SHUT DOWN WHILE UNNECESSARY EXISTING SIGNAL CABLES ARE REMOVED AND NEW SIGNAL CABLES ARE INSTALLED.
4. DENOTED EXISTING CONDUITS CONTAIN CABLING FOR EXISTING VEHICULAR DETECTION LOOPS, NO MODIFICATION TO THE EXISTING STOP BAR AND/OR ADVANCED DETECTION LOOPS ARE ANTICIPATED AS A PART OF THIS PROJECT. THE CONTRACTOR SHALL ENSURE ALL VEHICULAR DETECTION LOOPS REMAIN FULLY OPERATION AT ALL TIMES.



LEGEND:

- ☒ EXISTING TRAFFIC CONTROLLER CABINET
- ▽ EXISTING SIGNAL HEAD (NO BACKPLATE)
- ▽ EXISTING SIGNAL HEAD (WITH BACKPLATE)
- EXISTING HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING TRAFFIC SIGNAL POST
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- EXISTING UNDERGROUND CONDUIT
- ⊙ EXISTING PEDESTRIAN PUSH BUTTON
- EXISTING PEDESTRIAN SIGNAL HEAD
- ▶ PROPOSED SIGNAL HEAD (NO BACKPLATE)
- ▶ PROPOSED SIGNAL HEAD (WITH BACKPLATE)
- PROPOSED TRAFFIC SIGNAL POST
- PROPOSED STEEL MAST ARM ASSEMBLY AND POLE
- PROPOSED UNDERGROUND CONDUIT
- ⊙ PROPOSED PEDESTRIAN PUSH BUTTON
- ▬ PROPOSED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER

- REM EX POLE & ASSEMBLY - 1 EACH
- REM EX SIG FND - 1 EACH
- REM EX SIG HEAD - 2 EACH
- PR TRAFFIC SIGNAL POST, ALUMINUM, 13' - 1 EACH
- PR CONC FND, TYPE A - 3'
- PR SIG HEAD, LED, IF 3S, BM - 1 EACH
- PR SIG HEAD, LED, IF 5S, BM - 1 EACH
- REM EX MAST ARM ASSEMBLY & POLE - 1 EACH
- REM EX SIG FND - 1 EACH
- REM EX SIG HEAD - 2 EACH
- SIGN PANEL - TYPE 1 - 7.5 SQ FT
- PR STEEL MAST ARM ASSEMBLY AND POLE, 48' - 1 EACH
- PR CONC FND, TYPE E, 36" - 13'
- PR SIG HEAD, LED, IF 3S, MAM - 1 EACH
- PR SIG HEAD, LED, IF 4S, MAM - 1 EACH
- PR TRAF SIG BACKPLATE - 2 EACH

- REMOVE SIGN PANEL - TYPE 1 - 18 SQ FT
- REM EX MAST ARM ASSEMBLY & POLE - 1 EACH
- REM EX SIG FND - 1 EACH
- REM EX SIG HEAD - 2 EACH
- SIGN PANEL - TYPE 2 - 17.5 SQ FT
- PR STEEL MAST ARM ASSEMBLY AND POLE, 55' - 1 EACH
- PR CONC FND, TYPE E, 36" - 15'
- PR SIG HEAD, LED, IF 3S, MAM - 2 EACH
- PR SIG HEAD, LED, IF 5S, MAM - 1 EACH
- PR TRAF SIG BACKPLATE - 3 EACH

- REM EX POLE & ASSEMBLY - 1 EACH
- REM EX SIG FND - 1 EACH
- REM EX SIG HEAD - 2 EACH
- REM EX PED SIG HEAD - 1 EACH
- PR TRAFFIC SIGNAL POST, ALUMINUM, 13' - 1 EACH
- PR CONC FND, TYPE A - 3'
- PR SIG HEAD, LED, IF 3S, BM - 1 EACH
- PR SIG HEAD, LED, IF 4S, BM - 1 EACH
- PR PED SIG HEAD - 1 EACH

- REM EX PED POLE & ASSEMBLY - 1 EACH
- REM EX PED PUSH BUTTON - 1 EACH
- PR CONC FND, TYPE A - 4'
- PR 5'6" PED PUSH BUTTON POST
- PR APS - 1 EACH

- REM EX MAST ARM ASSEMBLY & POLE - 1 EACH
- REM EX SIG FND - 1 EACH
- REM EX SIG HEAD - 2 EACH
- SIGN PANEL - TYPE 1 - 7.5 SQ FT
- PR STEEL MAST ARM ASSEMBLY AND POLE, 50' - 1 EACH
- PR CONC FND, TYPE E, 36" - 15'
- PR SIG HEAD, LED, IF 3S, MAM - 1 EACH
- PR SIG HEAD, LED, IF 4S, MAM - 1 EACH
- PR TRAF SIG BACKPLATE - 2 EACH

- REM EX POLE & ASSEMBLY - 1 EACH
- REM EX SIG FND - 1 EACH
- REM EX SIG HEAD - 2 EACH
- REM EX PED SIG HEAD - 2 EACH
- PR TRAFFIC SIGNAL POST, ALUMINUM, 13' - 1 EACH
- PR CONC FND, TYPE A - 3'
- PR SIG HEAD, LED, IF 3S, BM - 1 EACH
- PR SIG HEAD, LED, IF 5S, BM - 1 EACH
- PR PED SIG HEAD - 2 EACH
- REM EX PED POLE & ASSEMBLY - 1 EACH
- REM EX PED PUSH BUTTON - 2 EACH
- PR CONC FND, TYPE A - 8'
- PR PED PUSH BUTTON POST - 2 EACH
- PR APS - 2 EACH



MODEL: Default
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
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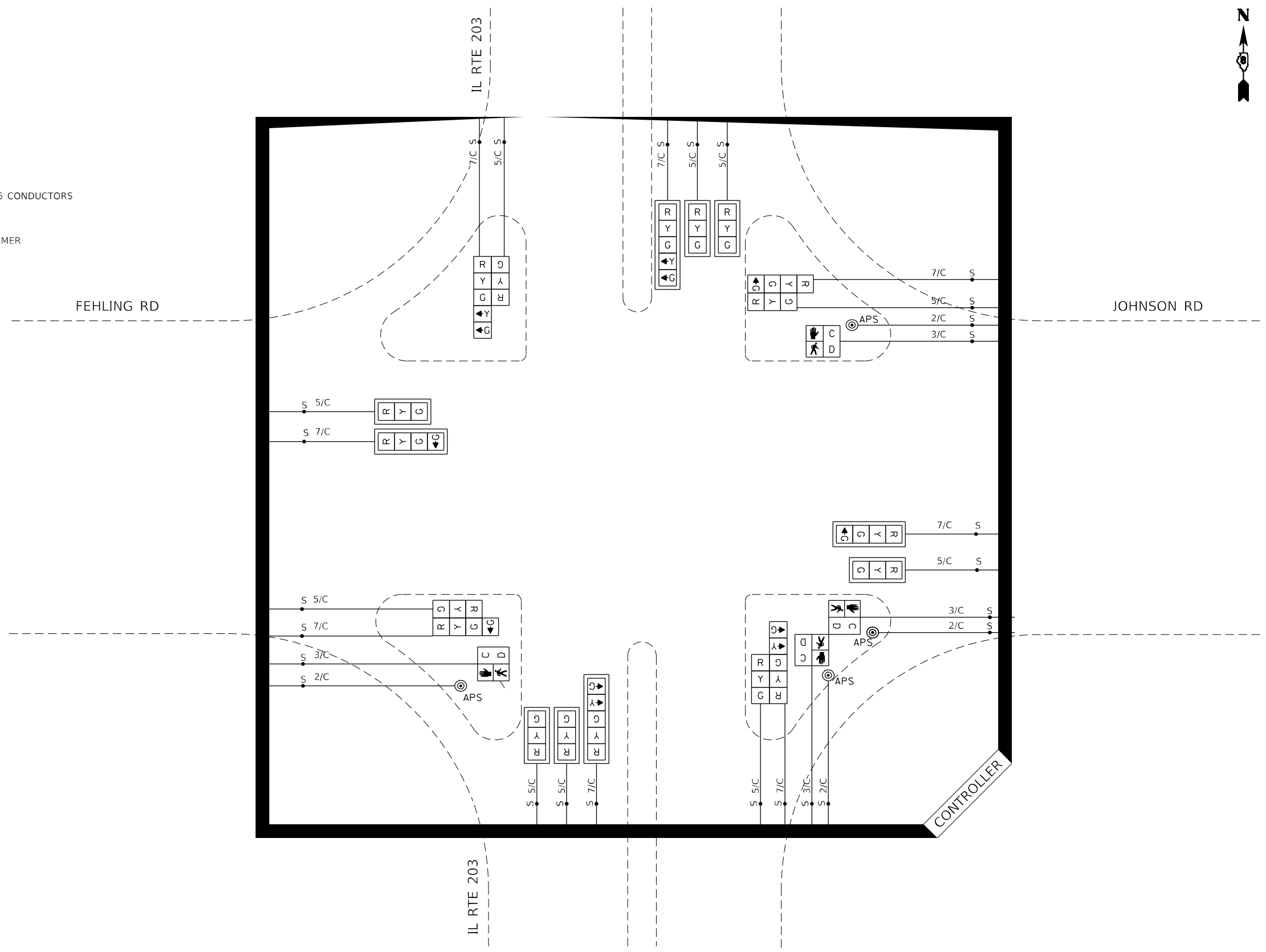
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN IL RTE 203 AT JOHNSON RD /FEHLING RD			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

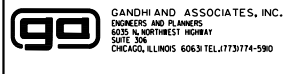
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	8
			CONTRACT NO. 76T49	
		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 5/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- EXISTING SERVICE INSTALLATION
- EXISTING ILLUMINATED SIGN
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS
-  PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER



MODEL: Default
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GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60630 TEL: (773) 774-590

USER NAME = brice	DESIGNED - AV	REVISED -
DRAWN - BR, AV, EA	REVISIONS -	
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PLOT DATE = 10/4/2024	DATE - 2024-10-04	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CABLE DIAGRAM IL RTE 203 AT JOHNSON RD / FEHLING RD			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	9
ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 76T49				

SCHEDULE OF QUANTITIES, IL RTE 3 AT W. HAWTHORNE ST

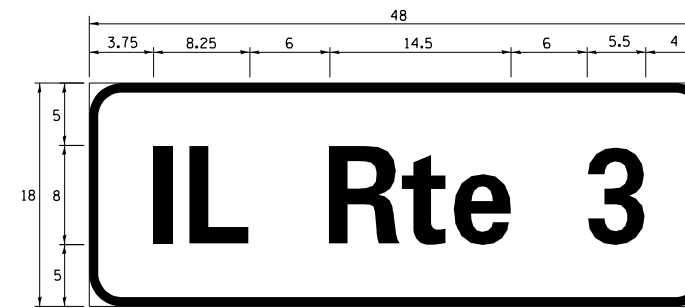
ITEM	UNIT	TOTAL QUANTITY
MOBILIZATION	L SUM	0.33
TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	0.33
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.33
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	0.33
SIGN PANEL - TYPE 1	SQ FT	12
RELOCATE SIGN PANEL - TYPE 1	SQ FT	23
LOCATING UNDERGROUND CABLE	FOOT	33
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	165
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	454
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	454
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2977
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	856
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	554
TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50
DRILL EXISTING HANDHOLE	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	10
MODIFY EXISTING CONTROLLER	FOOT	23701
REMOVE ELECTRIC CABLE FROM CONDUIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	7
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS		

UTILITIES

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	6 RICHARD MARK WAY, COLLINSVILLE, IL 62234	GAS & ELECTRIC	YES	X	X
APEX OIL COMPANY, INC.	8235 FORSYTH BLVD., SUITE 400, ST LOUIS, MO 63105	PIPELINE	YES		X
AT&T ILLINOIS	160 WEST DIVISION ST, MARYVILLE, IL 62062	COMMUNICATIONS	YES	X	X
BUCKEYE PARTNERS L.P. WOOD RIVER	220 E HAWTHORNE ST, HARTFORD, IL 62048	PIPELINE	YES		X
CHARTER COMMUNICATIONS, INC.	210 WEST DIVISION ST, MARYVILLE, IL 62062	CABLE TV	YES	X	X
EVERSTREAM GLC HOLDING CO LLC	1228 EUCLID AVE., SUITE 250, CLEVELAND, OH 44115	COMMUNICATIONS	YES	X	X
VILLAGE OF HARTFORD	140 W HAWTHORNE, HARTFORD, IL 62048	WATER & SEWER	YES		X
ILLINOIS AMERICAN WATER COMPANY	2000 W 24TH ST, GRANITE CITY, IL 62040	WATER	YES		X
LEVEL 3 COMMUNICATIONS, LLC	1015 LOCUST ST., SUITE 800, ST LOUIS, MO 63101	COMMUNICATIONS	YES	X	X
MARATHON PIPE LINE LLC	700 SOUTH 6TH ST, P.O. BOX 261, WOOD RIVER, IL 62095	PIPELINE	YES		X
VERIZON BUSINESS	900 WALNUT ST, 6TH FLOOR, ST LOUIS, MO 63102	COMMUNICATIONS	YES	X	X
VILLAGE OF SOUTH ROXANA	211 SINCLAIR AVE, SOUTH ROXANA, IL 62087	WATER & SEWER	YES		X
ST. LOUIS PIPELINE OPERATING LLC	1381 ROBBINS RD, P.O. BOX 153, HARTFORD, IL 62048	PIPELINE	YES		X
WOOD RIVER DRAINAGE & LEVEE DIST.	543 WEST MADISON AVE, WOOD RIVER, IL 62095	STORM SEWER	YES		X
ZAYO GROUP LLC	4024 HOUNDS HILL DR, FLORISSANT, MO 63034	COMMUNICATIONS	YES	X	X

SIGN PANEL - TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



AREA (SQ FT)	SIGN PANEL TYPE	QTY. REQUIRED
6.0	1	2

MODEL: D:\p\h\... PROJECTS\Projects\2023\3-MOB-533-PTB_200-37-UV05\CAD_Sheets\0875749-ent-104.dgn

GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 208
CHICAGO, ILLINOIS 60630 TEL: (773) 774-590

USER NAME = brice	DESIGNED - AV	REVISED -
PLOT SCALE = 0:2.0000 " = 1" / in.	DRAWN - BR, AV, EA	REVISED -
PLOT DATE = 10/4/2024	CHECKED - MS	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

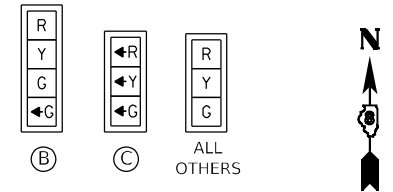
**SCHEDULE OF QUANTITIES, UTILITIES, AND MAST ARM MOUNTED
STREET NAME SIGN IL RTE 3 AT W. HAWTHORNE ST**

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

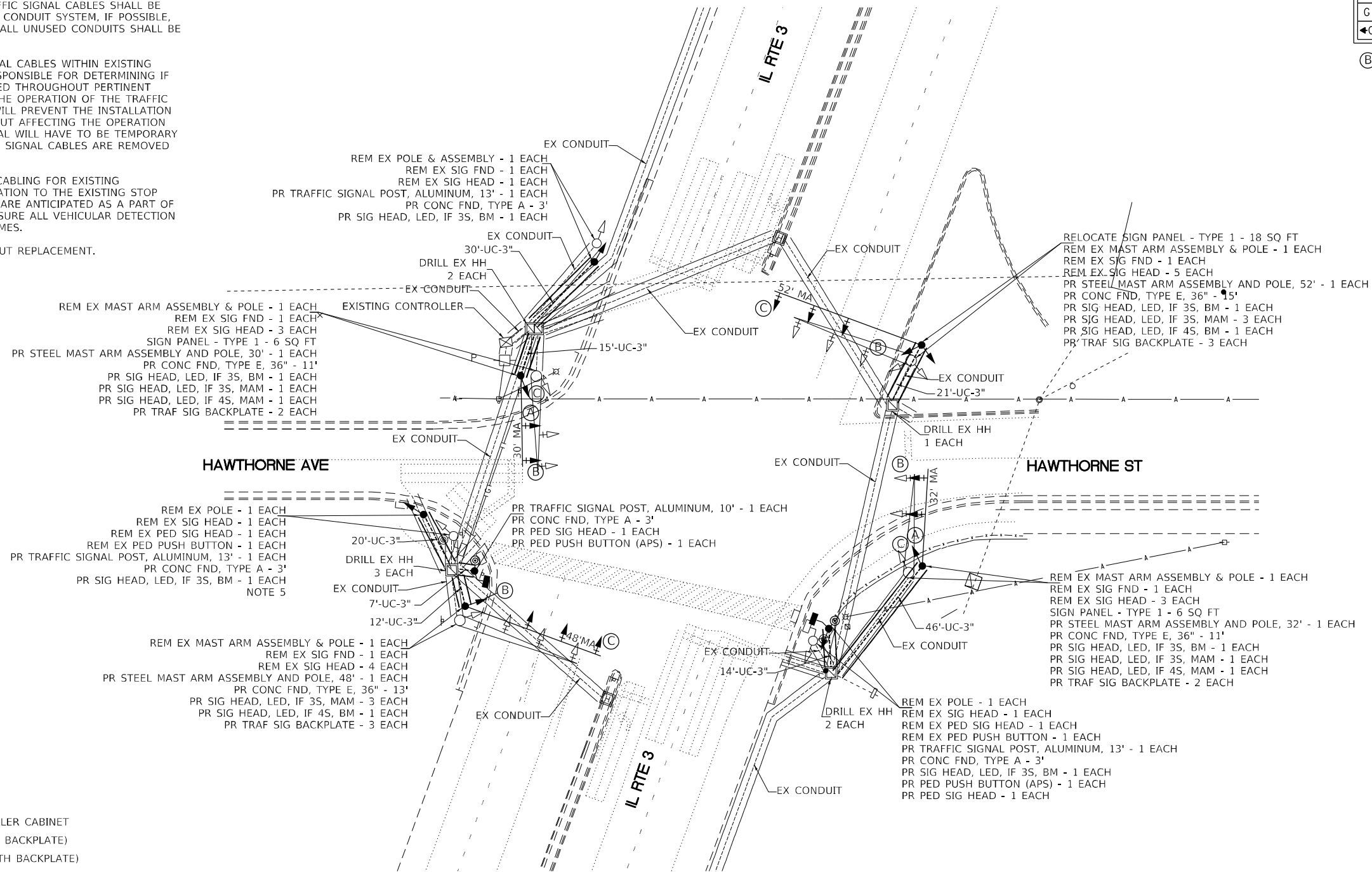
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 15 MODERN, 2025-1	MADISON	22	10
CONTRACT NO. 76T49				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL UTILITIES PRESENT MAY NOT BE SHOWN, ALL UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, PROTECTION, AND COORDINATION OF EXISTING UTILITIES.
2. ALL UNUSED AND/OR UNNECESSARY TRAFFIC SIGNAL CABLES SHALL BE COMPLETELY REMOVED FROM THE EXISTING CONDUIT SYSTEM, IF POSSIBLE. TO ENSURE ADEQUATE CONDUIT CAPACITY, ALL UNUSED CONDUITS SHALL BE REMOVED OR ABANDONED.
3. PRIOR TO INSTALLING NEW TRAFFIC SIGNAL CABLES WITHIN EXISTING CONDUITS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF NEW TRAFFIC SIGNAL CABLES CAN BE PULLED THROUGHOUT PERTINENT CONDUIT SEGMENTS WITHOUT AFFECTING THE OPERATION OF THE TRAFFIC SIGNAL. IF EXISTING CONDUIT CAPACITIES WILL PREVENT THE INSTALLATION OF THE NEW TRAFFIC SIGNAL CABLES WITHOUT AFFECTING THE OPERATION OF THE TRAFFIC SIGNAL, THE TRAFFIC SIGNAL WILL HAVE TO BE TEMPORARY SHUT DOWN WHILE UNNECESSARY EXISTING SIGNAL CABLES ARE REMOVED AND NEW SIGNAL CABLES ARE INSTALLED.
4. DENOTED EXISTING CONDUITS CONTAIN CABLING FOR EXISTING VEHICULAR DETECTION LOOPS, NO MODIFICATION TO THE EXISTING STOP BAR AND/OR ADVANCED DETECTION LOOPS ARE ANTICIPATED AS A PART OF THIS PROJECT. THE CONTRACTOR SHALL ENSURE ALL VEHICULAR DETECTION LOOPS REMAIN FULLY OPERATION AT ALL TIMES.
5. REMOVE EXISTING ONE WAY SIGN WITHOUT REPLACEMENT.



(A)
IL RTE 3
(2 REQUIRED)



LEGEND:

- ☒ EXISTING TRAFFIC CONTROLLER CABINET
- ▽ EXISTING SIGNAL HEAD (NO BACKPLATE)
- ▽+ EXISTING SIGNAL HEAD (WITH BACKPLATE)
- ☒ EXISTING HANDHOLE
- ☒ EXISTING DOUBLE HANDHOLE
- EXISTING TRAFFIC SIGNAL POST
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- EXISTING UNDERGROUND CONDUIT
- ⊙ EXISTING PEDESTRIAN PUSH BUTTON
- EXISTING PEDESTRIAN SIGNAL HEAD
- ▶ PROPOSED SIGNAL HEAD (NO BACKPLATE)
- ▶+ PROPOSED SIGNAL HEAD (WITH BACKPLATE)
- PROPOSED TRAFFIC SIGNAL POST
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- PROPOSED UNDERGROUND CONDUIT
- ⊙ PROPOSED PEDESTRIAN PUSH BUTTON
- ▬ PROPOSED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER



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PLOT DATE = 10/4/2024	DATE - 2024-10-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
IL RTE 3 AT W. HAWTHORNE ST**

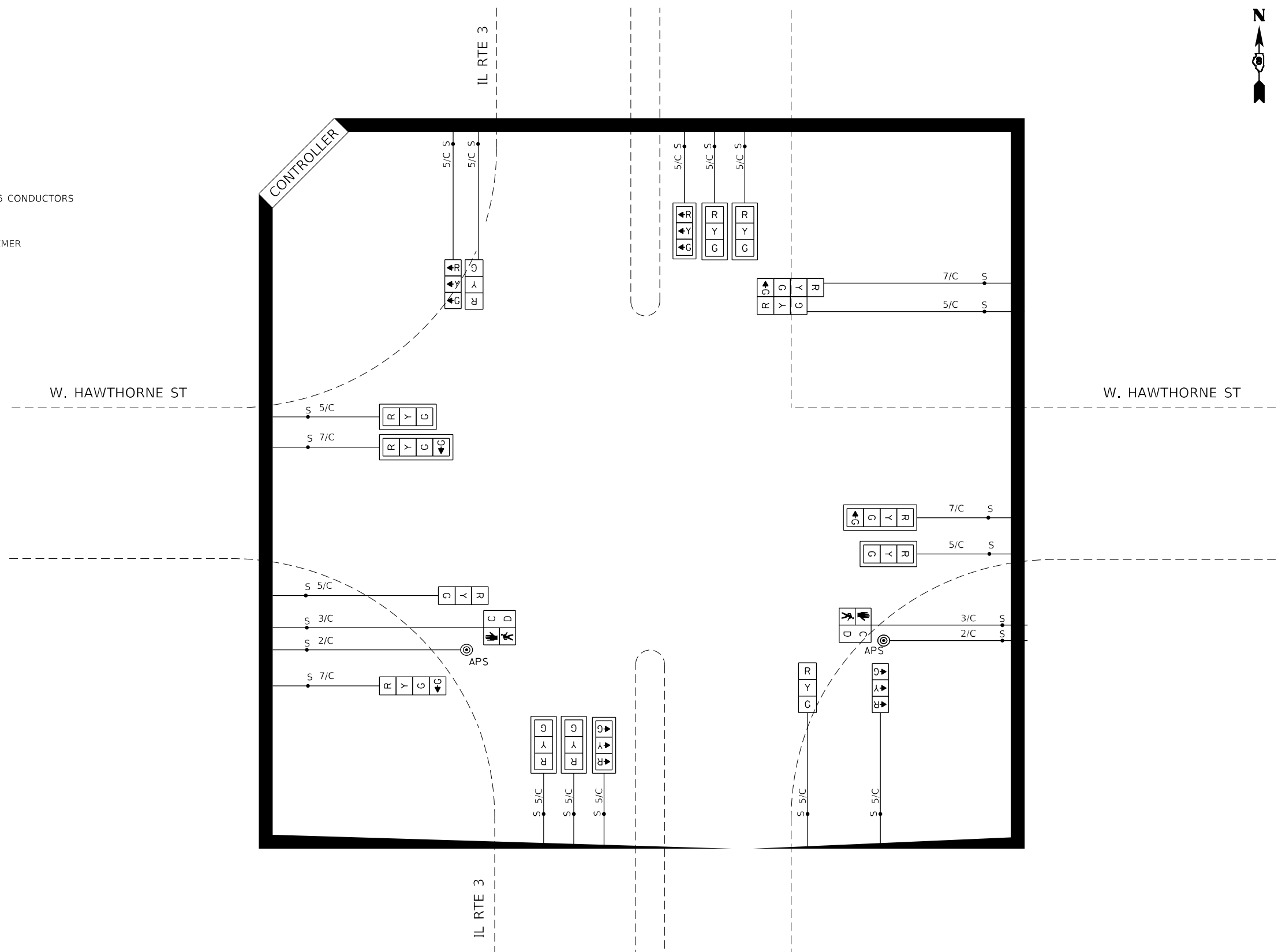
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	11
CONTRACT NO. 76T49			ILLINOIS FED. AID PROJECT	



CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 5/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- EXISTING SERVICE INSTALLATION
- EXISTING ILLUMINATED SIGN
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS
- PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER



MODEL: Default
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PLOT DATE = 10/4/2024	DATE - 2024-10-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CABLE DIAGRAM			
IL RTE 3 AT W. HAWTHORNE ST			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	12
CONTRACT NO. 76T49				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES, IL RTE 111 AT HORSESHOE LAKE RD

ITEM	UNIT	TOTAL QUANTITY
CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	64
MOBILIZATION	L SUM	0.33
TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	0.33
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.33
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	0.33
RELOCATE SIGN PANEL - TYPE 1	SQ FT	38
LOCATING UNDERGROUND CABLE	FOOT	33
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	187
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	356
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	358
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6626
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1110
TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	84
DRILL EXISTING HANDHOLE	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	36026
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	64

UTILITIES

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	6 RICHARD MARK WAY, COLLINSVILLE, IL 62234	GAS & ELECTRIC	YES	X	X
APEX OIL COMPANY, INC.	8235 FORSYTH BLVD., SUITE 400, ST LOUIS, MO 63105	PIPELINE	YES		X
AT&T ILLINOIS	160 WEST DIVISION ST, MARYVILLE, IL 62062	COMMUNICATIONS	YES	X	X
BUCKEYE PARTNERS L.P. WOOD RIVER	220 E HAWTHORNE ST, HARTFORD, IL 62048	PIPELINE	YES		X
CHARTER COMMUNICATIONS, INC.	210 WEST DIVISION ST, MARYVILLE, IL 62062	CABLE TV	YES	X	X
EVERSTREAM GLC HOLDING CO LLC	1228 EUCLID AVE., SUITE 250, CLEVELAND, OH 44115	COMMUNICATIONS	YES	X	X
VILLAGE OF HARTFORD	140 W HAWTHORNE, HARTFORD, IL 62048	WATER & SEWER	YES		X
ILLINOIS AMERICAN WATER COMPANY	2000 W 24TH ST, GRANITE CITY, IL 62040	WATER	YES		X
LEVEL 3 COMMUNICATIONS, LLC	1015 LOCUST ST., SUITE 800, ST LOUIS, MO 63101	COMMUNICATIONS	YES	X	X
MARATHON PIPE LINE LLC	700 SOUTH 6TH ST, P.O. BOX 261, WOOD RIVER, IL 62095	PIPELINE	YES		X
VERIZON BUSINESS	900 WALNUT ST, 6TH FLOOR, ST LOUIS, MO 63102	COMMUNICATIONS	YES	X	X
VILLAGE OF SOUTH ROXANA	211 SINCLAIR AVE, SOUTH ROXANA, IL 62087	WATER & SEWER	YES		X
ST. LOUIS PIPELINE OPERATING LLC	1381 ROBBINS RD, P.O. BOX 153, HARTFORD, IL 62048	PIPELINE	YES		X
WOOD RIVER DRAINAGE & LEVEE DIST.	543 WEST MADISON AVE, WOOD RIVER, IL 62095	STORM SEWER	YES		X
ZAYO GROUP LLC	4024 HOUNDS HILL DR, FLORISSANT, MO 63034	COMMUNICATIONS	YES	X	X

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	DATE - 2024-10-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

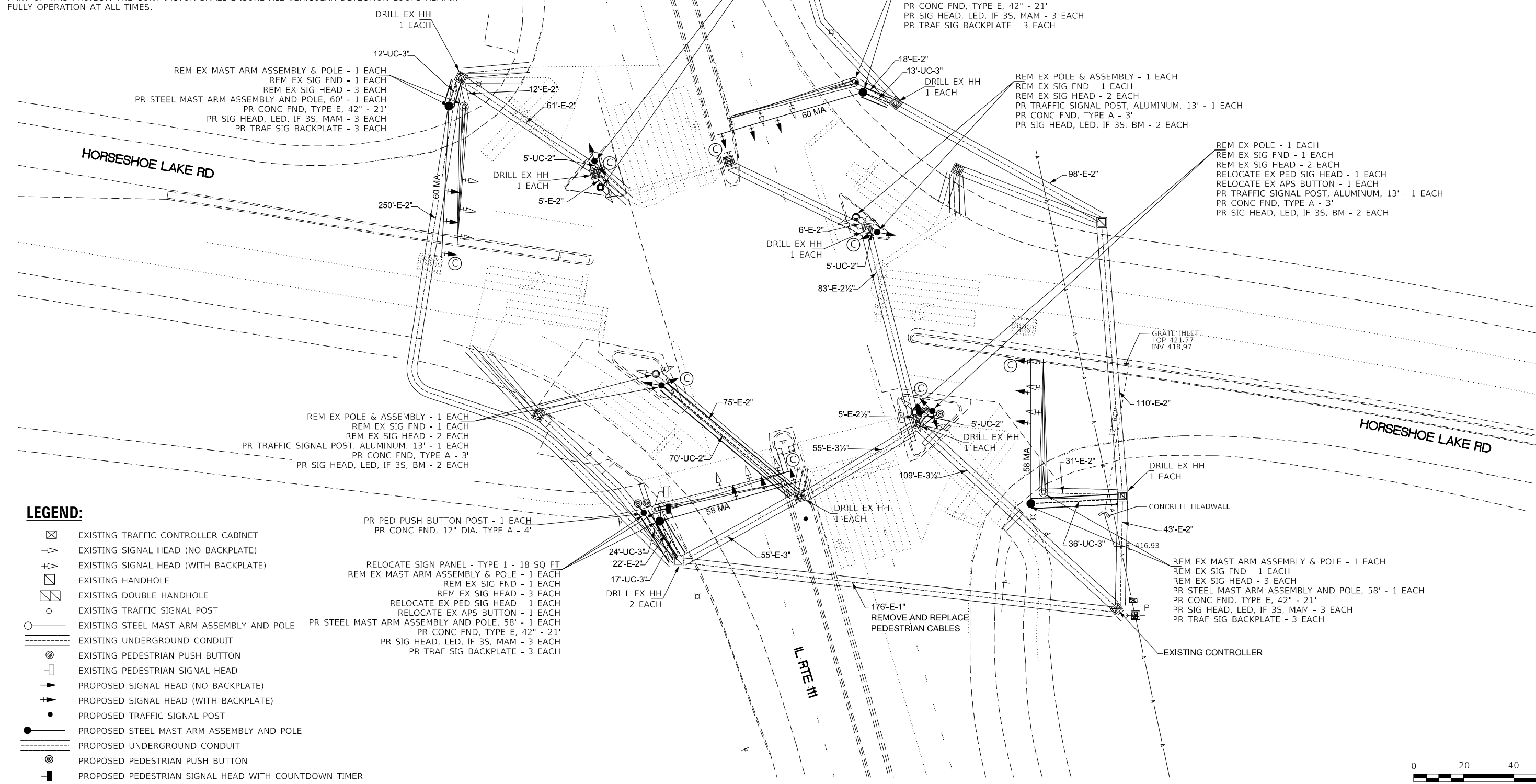
**SCHEDULE OF QUANTITIES AND UTILITIES
IL RTE 111 AT HORSESHOE LAKE RD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	13
CONTRACT NO. 76T49				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL UTILITIES PRESENT MAY NOT BE SHOWN, ALL UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, PROTECTION, AND COORDINATION OF EXISTING UTILITIES.
2. ALL UNUSED AND/OR UNNECESSARY TRAFFIC SIGNAL CABLES SHALL BE COMPLETELY REMOVED FROM THE EXISTING CONDUIT SYSTEM, IF POSSIBLE, TO ENSURE ADEQUATE CONDUIT CAPACITY, ALL UNUSED CONDUITS SHALL BE REMOVED OR ABANDONED.
3. PRIOR TO INSTALLING NEW TRAFFIC SIGNAL CABLES WITHIN EXISTING CONDUITS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF NEW TRAFFIC SIGNAL CABLES CAN BE PULLED THROUGHOUT PERTINENT CONDUIT SEGMENTS WITHOUT AFFECTING THE OPERATION OF THE TRAFFIC SIGNAL. IF EXISTING CONDUIT CAPACITIES WILL PREVENT THE INSTALLATION OF THE NEW TRAFFIC SIGNAL CABLES WITHOUT AFFECTING THE OPERATION OF THE TRAFFIC SIGNAL, THE TRAFFIC SIGNAL WILL HAVE TO BE TEMPORARY SHUT DOWN WHILE UNNECESSARY EXISTING SIGNAL CABLES ARE REMOVED AND NEW SIGNAL CABLES ARE INSTALLED.
4. DENOTED EXISTING CONDUITS CONTAIN CABLING FOR EXISTING VEHICULAR DETECTION LOOPS, NO MODIFICATION TO THE EXISTING STOP BAR AND/OR ADVANCED DETECTION LOOPS ARE ANTICIPATED AS A PART OF THIS PROJECT. THE CONTRACTOR SHALL ENSURE ALL VEHICULAR DETECTION LOOPS REMAIN FULLY OPERATION AT ALL TIMES.



LEGEND:

- ☒ EXISTING TRAFFIC CONTROLLER CABINET
- ▽ EXISTING SIGNAL HEAD (NO BACKPLATE)
- ▽+ EXISTING SIGNAL HEAD (WITH BACKPLATE)
- ☒ EXISTING HANDHOLE
- ☒ EXISTING DOUBLE HANDHOLE
- EXISTING TRAFFIC SIGNAL POST
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- EXISTING UNDERGROUND CONDUIT
- ⊙ EXISTING PEDESTRIAN PUSH BUTTON
- EXISTING PEDESTRIAN SIGNAL HEAD
- ▶ PROPOSED SIGNAL HEAD (NO BACKPLATE)
- ▶+ PROPOSED SIGNAL HEAD (WITH BACKPLATE)
- PROPOSED TRAFFIC SIGNAL POST
- PROPOSED STEEL MAST ARM ASSEMBLY AND POLE
- PROPOSED UNDERGROUND CONDUIT
- ⊙ PROPOSED PEDESTRIAN PUSH BUTTON
- ▬ PROPOSED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER

- PR PED PUSH BUTTON POST - 1 EACH
PR CONC FND, 12" DIA. TYPE A - 4'
- RELOCATE SIGN PANEL - TYPE 1 - 18 SQ FT
REM EX MAST ARM ASSEMBLY & POLE - 1 EACH
REM EX SIG FND - 1 EACH
REM EX SIG HEAD - 3 EACH
RELOCATE EX PED SIG HEAD - 1 EACH
RELOCATE EX APS BUTTON - 1 EACH
PR STEEL MAST ARM ASSEMBLY AND POLE, 58' - 1 EACH
PR CONC FND, TYPE E, 42" - 21'
PR SIG HEAD, LED, IF 3S, MAM - 3 EACH
PR TRAF SIG BACKPLATE - 3 EACH
- DRILL EX HH 2 EACH

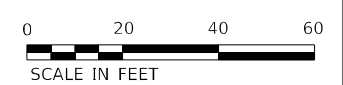
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 GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 505 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60659 TEL: (773) 774-5900

USER NAME = brice	DESIGNED - AV	REVISED -
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PLOT DATE = 10/4/2024	CHECKED - MS	REVISED -
	DATE - 2024-10-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
IL RTE 111 AT HORSESHOE LAKE RD**

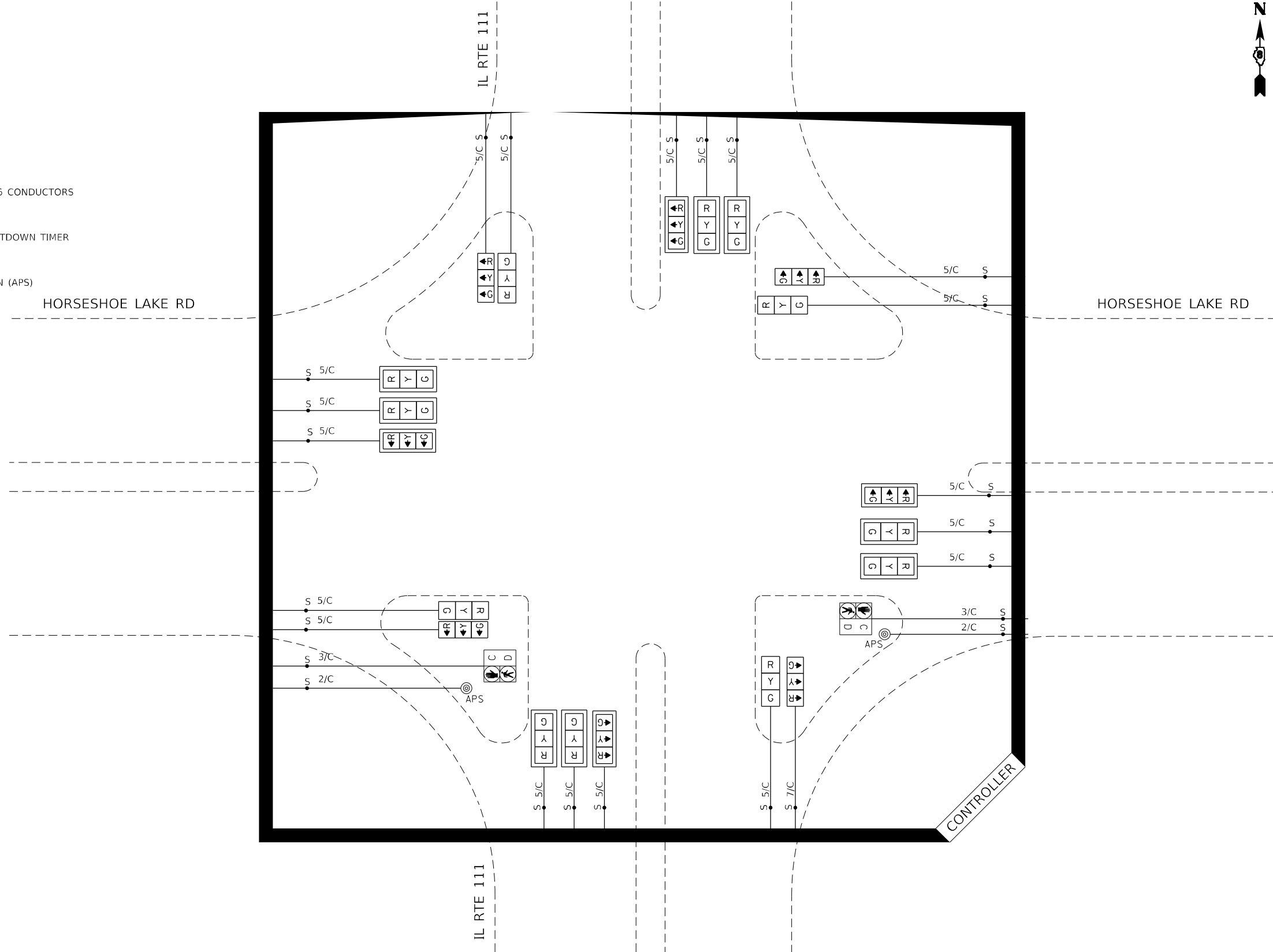
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	14
			CONTRACT NO. 76T49	
		ILLINOIS	FED. AID PROJECT	

CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 5/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- EXISTING SERVICE INSTALLATION
- EXISTING ILLUMINATED SIGN
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS
- C D EXISTING PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
- APS EXISTING ACCESSIBLE PEDESTRIAN PUSH BUTTON (APS)



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GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 300
 CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900

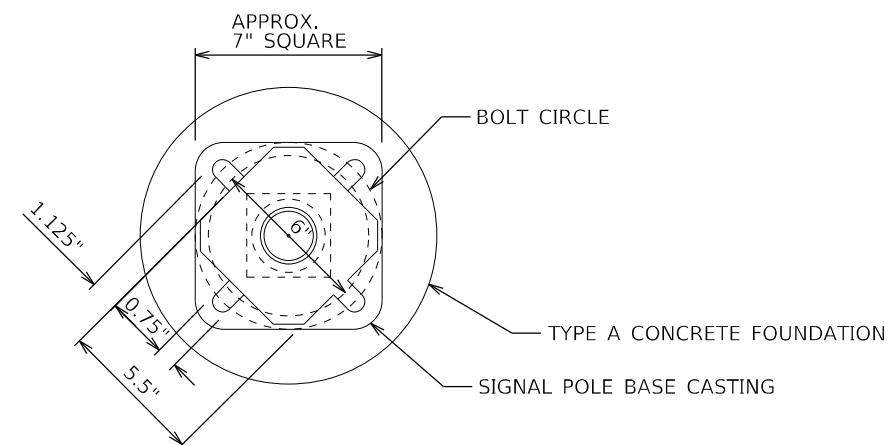
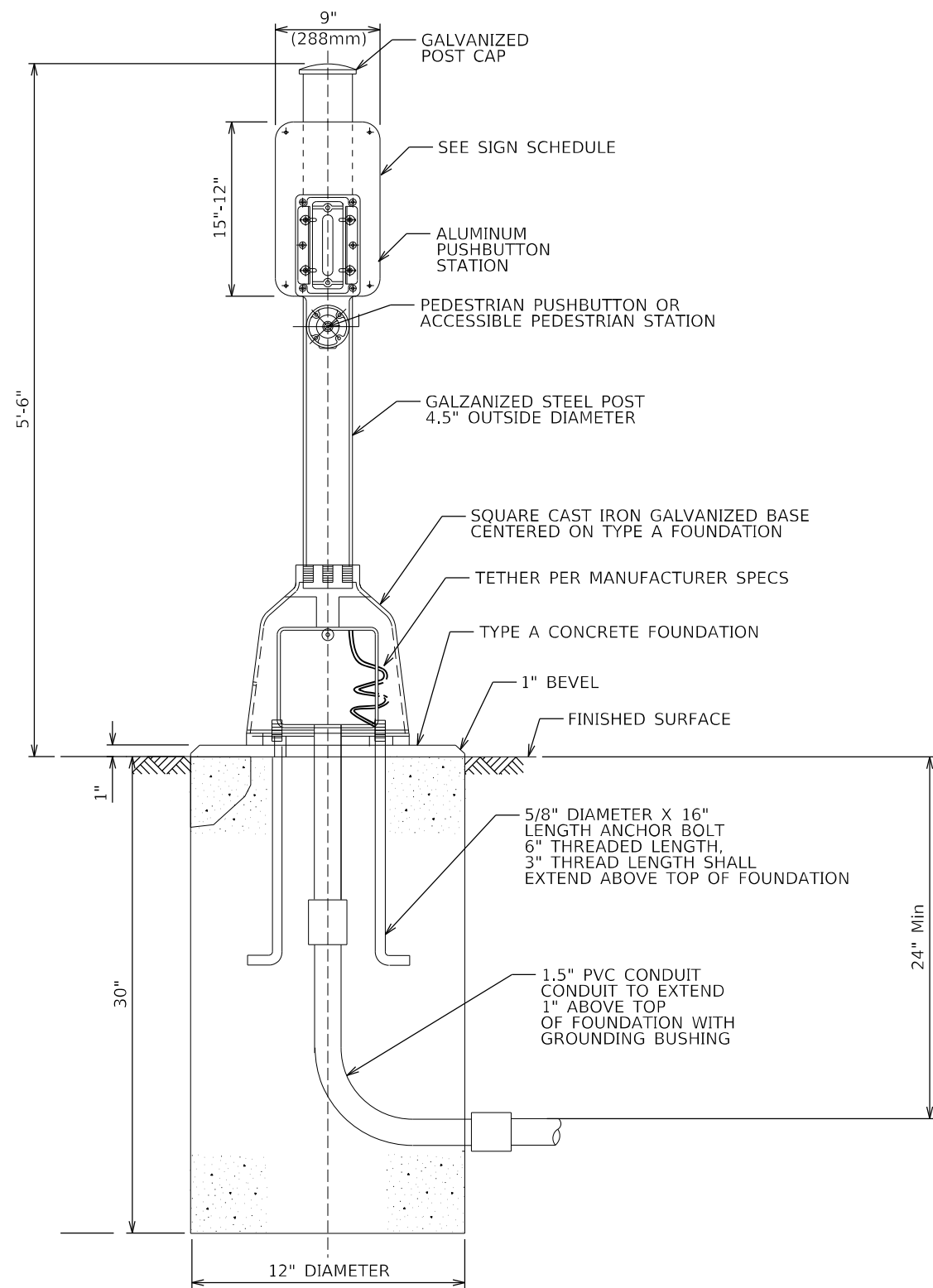
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PLOT DATE = 10/4/2024	DATE - 2024-10-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE DIAGRAM
IL RTE 111 AT HORSESHOE LAKE RD

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	15
CONTRACT NO. 76T49				
ILLINOIS FED. AID PROJECT				



BOLT PATTERN
PEDESTRIAN PUSH-BUTTON POST

MODEL: Default
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GA GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 200
CHICAGO, ILLINOIS 60630 TEL: 773-774-590

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PLOT DATE = 10/4/2024	DATE - 2024-10-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS - CONCRETE
FOUNDATION TYPE A, PEDESTRIAN PUSH-BUTTON POST

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 TS MODERN, 2025-1	MADISON	22	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76T49	



SOIL BORING LOG

ROUTE AP 594 (FAU 9079) DESCRIPTION Traffic Signals at IL 203 and Johnson Road in Granite City LOGGED BY Guy Santen Date 1/25/90

SECTION X-R-1 LOCATION S 1/2, SEC. 8, TWP. 3N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

Table with columns for Depth (ft), Blows (B), Blows (L), Blows (U), Blows (M), Soil Description, and Moisture Content (M). Rows include Rust Brown Silty CLAY, Black Silty CLAY, Dark Gray CLAY, Dark Gray Silty CLAY, Gray Mottled Rust Brown CLAY, Gray Mottled Rust Brown SILT, Gray Varved SILT, and Gray SAND.

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)



SOIL BORING LOG

ROUTE AP 594 (FAU 9079) DESCRIPTION Traffic Signals at IL 203 and Johnson Road in Granite City LOGGED BY Guy Santen Date 1/26/90

SECTION X-R-1 LOCATION S 1/2, SEC. 8, TWP. 3N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

Table with columns for Depth (ft), Blows (B), Blows (L), Blows (U), Blows (M), Soil Description, and Moisture Content (M). Rows include Black Mottled Dark Gray Silty CLAY, Gas Odor Present, Gray Fine SILT, Gray Rust Brown Mottled Silty CLAY, Slight Fine Gray SILT, Gray Silty CLAY, and Gray SILT.

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)

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Table with columns for USER NAME, DESIGNED, DRAWN, CHECKED, DATE, REVISED, and PLOT DATE.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Table with columns for SCALE, SHEET, OF, SHEETS, STA., TO, STA.

Table with columns for F.A. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., VAR, DIST, MADISON, CONTRACT NO.



Illinois Department of Transportation

SOIL BORING LOG

Date 1/29/90

ROUTE: AP 594 (FAU 9079) DESCRIPTION Traffic Signals at IL 203 and Johnson Road in Granite City LOGGED BY Guy Santen

SECTION X-R-1 LOCATION Center, SEC. 8, TWP. 3N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

Table with columns for Depth (ft), Blows (6"), UCS (tsf), Moisture (%), and Soil Description. Includes data for Dark Gray Mottled to Black Gray CLAY, Gray Mottled Rust Brown CLAY, Gray SILT, Gray SILT (Organic Material), Fire Gray Silty SAND, and Fire Gray SAND.

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

SOIL BORING LOG

Date 1/29/90

ROUTE: AP 594 (FAU 9079) DESCRIPTION Traffic Signals at IL 203 and Johnson Road in Granite City LOGGED BY Guy Santen

SECTION X R 1 LOCATION Center, SEC. 8, TWP. 3N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

Table with columns for Depth (ft), Blows (6"), UCS (tsf), Moisture (%), and Soil Description. Includes data for Black Organic Material GRAVEL with some Clay, Gray Silty CLAY, Gray SILT (Thixotropic), Light Gray, White, Brown Silty CLAY, Brown Light Gray SILT, Gray SILT with some Organics, and Gray Silty CLAY.

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)

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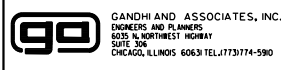


Table with columns for USER NAME, DESIGNED, DRAWN, CHECKED, DATE, REVISED, and PLOT DATE.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS IL RTE 203 AT JOHNSONFEHLING RD

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

Table with columns for F.A. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., and CONTRACT NO.



SOIL BORING LOG

Date 1/10/79

ROUTE FAP 2 DESCRIPTION Traffic Signals at IL 3 and Hawthorne in Hartford LOGGED BY J. King

SECTION 202TS LOCATION SE 1/4, SEC. 34, TWP. 5N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
1 1094+93.5 54.50ft Left 429.8					Brown and Gray Silty CLAY				
		4							
		4	1.6	28					
		4							
		4							
		4	2.0	33					
		4							
		4	1.6	32					
		4							
		3							
		3	2.2	37					
		5							
		7	2.5	34					
	9								
	5								
	6	1.4	16						
	7								
413.8									
	6								
	6								
	7	NC							
	5								
	20								

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)



SOIL BORING LOG

Date 1/10/79

ROUTE FAP 2 DESCRIPTION Traffic Signals at IL 3 and Hawthorne in Hartford LOGGED BY J. King

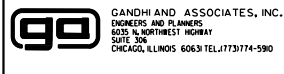
SECTION 202TS LOCATION SE 1/4, SEC. 34, TWP. 5N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
2 1095+53 77.00ft Left 429.4					Brown and Gray Silty CLAY				
		3							
		3	1.0	25					
		4							
		4							
		4	1.9	29					
		6							
		2							
		2	1.6	31					
		4							
		3							
		3	1.3	36					
		7							
	4								
	4	1.3	19						
	6								
	4	1.2	22						
	5								
414.4									
	5	NC							
	5								
	5	NC							
	6								
	7								
	20								

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)

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PLOT DATE = 10/4/2024	DATE - 2024-10-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.				SHEET 1 OF 2 SHEETS				STA. TO STA.			
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 15 MODERN, 2025-1	MADISON	22	19
CONTRACT NO. 76T49				
ILLINOIS		FED. AID PROJECT		



SOIL BORING LOG

Date 1/10/79

ROUTE FAP 2 DESCRIPTION Traffic Signals at IL 3 and Hawthorne in Hartford LOGGED BY J. King

SECTION 202TS LOCATION SE 1/4, SEC. 34, TWP. 5N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

Table with columns for STRUCT. NO., BORING NO., Station, Offset, Ground Surface Elev., and soil data columns (D, B, U, M, O, I, S, T). Includes soil descriptions like 'Brown and Gray Silty CLAY' and 'Brown and Gray Fine Silty SAND'.

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)



SOIL BORING LOG

Date 1/10/79

ROUTE FAP 2 DESCRIPTION Traffic Signals at IL 3 and Hawthorne in Hartford LOGGED BY J. King

SECTION 202TS LOCATION SE 1/4, SEC. 34, TWP. 5N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

Table with columns for STRUCT. NO., BORING NO., Station, Offset, Ground Surface Elev., and soil data columns (D, B, U, M, O, I, S, T). Includes soil descriptions like 'Brown and Gray Silty CLAY' and 'Brown and Gray Fine Silty SAND'.

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)

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GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60630 TEL: 773-774-590

Table with columns: USER NAME, DESIGNED, DRAWN, CHECKED, PLOT DATE, REVISED, DATE.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS IL RTE 3 AT W HAWTHORNE ST SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

Table with columns: F.A. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. 76T49, ILLINOIS FED. AID PROJECT



SOIL BORING LOG

Page 1 of 1

ROUTE FAP 582 DESCRIPTION Traffic Signals at IL 111 and Horseshoe Lake Road LOGGED BY L. Ford

SECTION (6-2)-1 LOCATION NE 1/4, SW 1/4, SEC. 14, TWP. 3N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O D E	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter ft Upon Completion ft After Hrs.	D E P T H	B L O W S	U C S	M O D E
N/A N/A											
BORING NO. Station Offset Ground Surface Elev.											
<u>1 NE Quad</u> <u>1043+73</u> <u>85.00ft Left</u> <u>419.8</u>											

Brown Silt LOAM											
	1	0.2									
	3	S/10									
	-5	1									
	414.3	3	NC	33							
Gray and Brown Very Silty CLAY	413.8	4	1.4	29							
			S/5								
Brown and Gray SILT		3									
		6	0.6	31							
		9	S/5								
	410.8										
Gray and Brown Silty SAND	-10	3									
		5									
		10	NC	11							
	409.3										
Gray and Brown SAND		3									
		9	NC								
		16									
	-15	3									
		8									
		20	NC								
		1									
		4									
		7	NC								
		1									

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)



SOIL BORING LOG

Page 1 of 1

ROUTE FAP 582 DESCRIPTION Traffic Signals at IL 111 and Horseshoe Lake Road LOGGED BY L. Ford

SECTION (6-2)-1 LOCATION NE 1/4, SW 1/4, SEC. 14, TWP. 3N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O D E	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter ft Upon Completion ft After Hrs.	D E P T H	B L O W S	U C S	M O D E
N/A N/A											
BORING NO. Station Offset Ground Surface Elev.											
<u>2 NW Quad</u> <u>1043+38</u> <u>61.00ft Right</u> <u>419.5</u>											

Gray Silt LOAM											
	2										
	4	0.9		26							
	4	S/10									
	-5	1									
	410.0	3	NC	35							
		2									
		6	0.5	29							
		6	S/0								
	410.0										
Brown and Gray Silty SAND	-10	1									
		4									
		13	NC	16							
	408.0										
Brown SAND		3									
		13									
		20	NC								
		2									
		7									
	403.5	13	NC								
END OF BORING											

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)

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DRAWN - BR, AV, EA
CHECKED - MS
DATE - 2024-10-04
PLOT SCALE = 0:2.0000" = 1" / in.
PLOT DATE = 10/4/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
IL RTE 111 AT HORSESHOE LAKE RD
SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 15 MODERN, 2025-1	MADISON	22	21
CONTRACT NO. 76T49				
			ILLINOIS FED. AID PROJECT	



SOIL BORING LOG

Date 9/27/93

ROUTE FAP 582 DESCRIPTION Traffic Signals at IL 111 and Horseshoe Lake Road LOGGED BY L. Ford

SECTION (6-2)-1 LOCATION NE 1/4, SW 1/4, SEC. 14, TWP. 3N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. <u>N/A</u>	D E P T H	B L O W S	U C S Q u	M O I S T	Surface Water Elev. _____ ft	
Station <u>N/A</u>					Stream Bed Elev. _____ ft	
BORING NO. <u>3 SW Quad</u>	ft	(ft)	(ft)	(tsf)	(%)	
Station <u>1045+16</u>						Groundwater Elev.: _____ ft
Offset <u>39.00ft Right</u>						First Encounter _____ ft
Ground Surface Elev. <u>420.5</u>						After _____ Hrs.

Brown Silty CLAY						
	1					
	4	1.1			35	
	6	S/10				
415.5	2					
	3					
Brown Silt LOAM	3	NC			33	
	1					
	9				32	
	4	NC				
410.5	1	0.5			37	
	6	S/20				
Brown SAND	12	NC				
	2					
	10					
	15	NC				
	2					
	9					
404.5	14	NC				
END OF BORING						

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. 8-98)



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Date 9/27/93

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SECTION (6-2)-1 LOCATION NE 1/4, SW 1/4, SEC. 14, TWP. 3N, RNG. 9W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. <u>N/A</u>	D E P T H	B L O W S	U C S Q u	M O I S T	Surface Water Elev. _____ ft	
Station <u>N/A</u>					Stream Bed Elev. _____ ft	
BORING NO. <u>4 SE Quad</u>	ft	(ft)	(ft)	(tsf)	(%)	
Station <u>1045+52</u>						Groundwater Elev.: _____ ft
Offset <u>102.00ft Left</u>						First Encounter _____ ft
Ground Surface Elev. <u>419.7</u>						After _____ Hrs.

Brown Silt LOAM						
	1					
	2	0.3			35	
	2	S/10				
	1					
	2				33	
	3	NC				
	1					
	3	0.4			36	
	8	S/15				
410.7						
Brown Fine SAND	3					
	13					
	19	NC				
	3					
	17					
	23	NC				
	2					
	9					
	13	NC				
403.7						
END OF BORING						

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. 8-98)

MODEL Default
 FILE NAME: C:\PROJECTS\Projects\2023\3-MOB-533-PTB_200-37-1\05\CAD_Sheets\0810815719_sht-016.dgn

GA GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60630 TEL: 773-774-590

USER NAME = brice	DESIGNED - AV	REVISED -
PLOT SCALE = 0:2.0000 " = 1" / in.	DRAWN - BR, AV, EA	REVISED -
PLOT DATE = 10/4/2024	CHECKED - MS	REVISED -
	DATE - 2024-10-04	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SOIL BORING LOGS
IL RTE 111 AT HORSESHOE LAKE RD

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 15 MODERN, 2025-1	MADISON	22	22
CONTRACT NO. 76T49			ILLINOIS FED. AID PROJECT	