

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

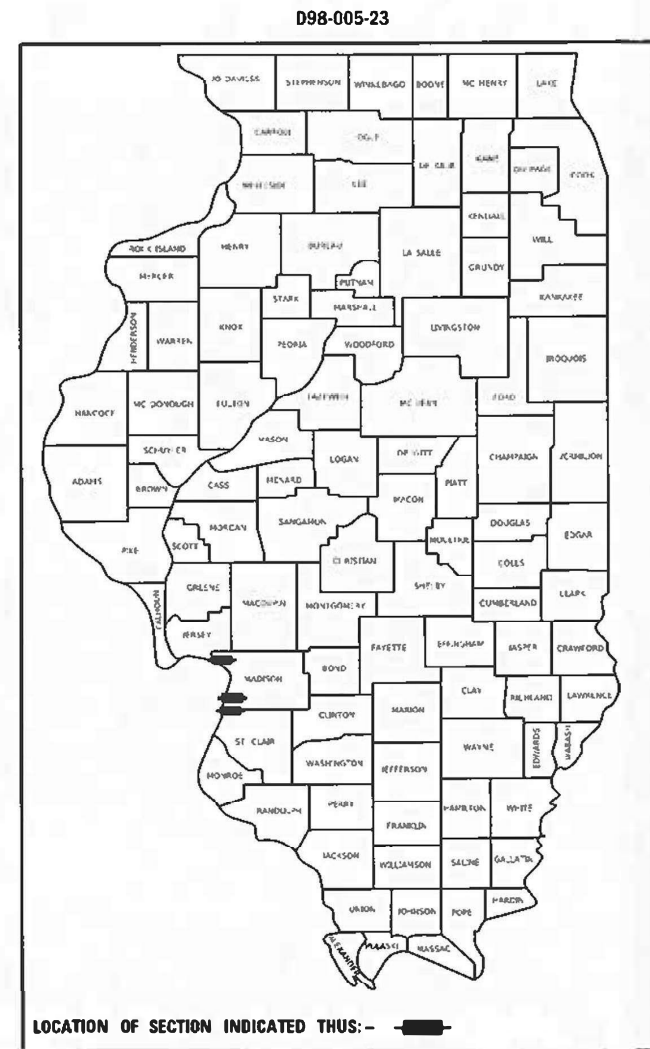
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR 108 TS MODERNIZATION 2024-1	VARIOUS	ILLINOIS	19	1
ILLINOIS CONTRACT NO. 76R84				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

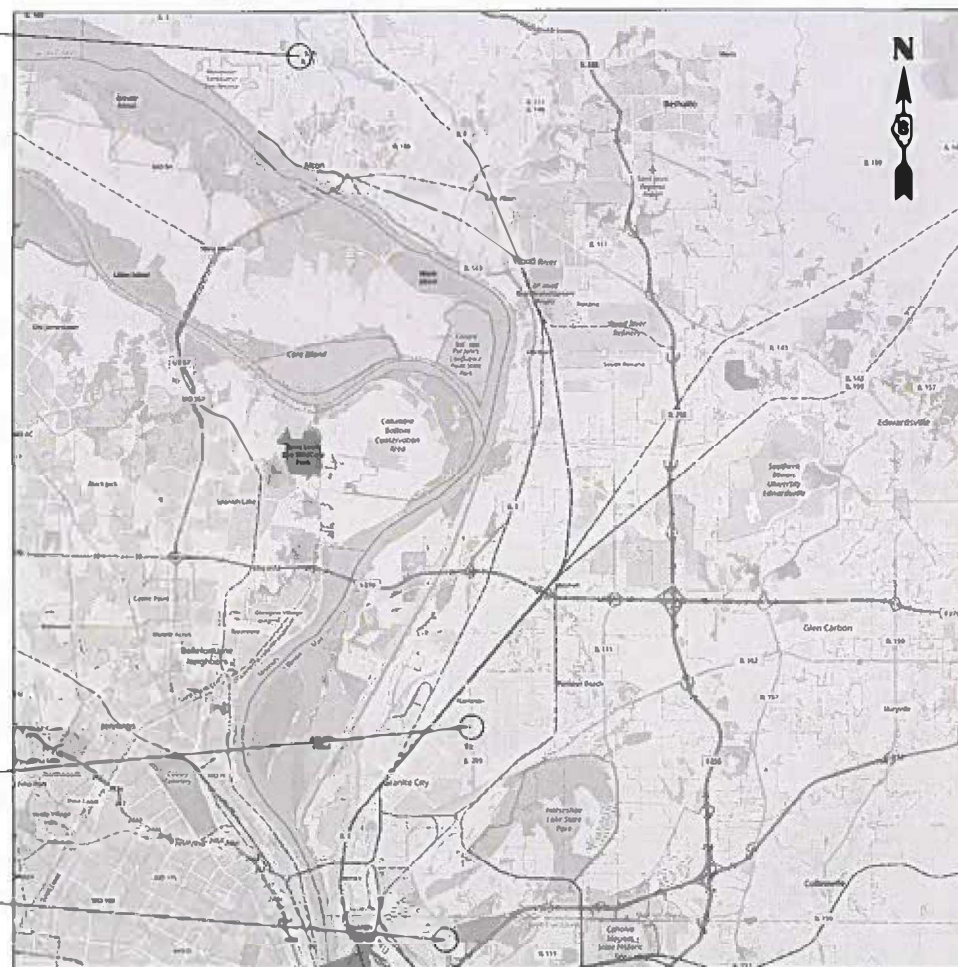
PROPOSED
HIGHWAY PLANS

FAP 789 (IL 3/IL 111) AND FAP 594 (IL 203)
SECTION D8 TS MODERNIZATION 2024-1
PROJECT NHPP-EDYJ(362)
TRAFFIC SIGNAL MODERNIZATION
MADISON & ST. CLAIR COUNTIES

C-98-042-23



IL RTE 3111 AT
GODFREY RD/STATE ST



IL RTE 203 AT
MADISON AVE/HIGH ST

IL RTE 203 AT
OHIO AVE

LOCATION MAP

GANDHI AND ASSOCIATES, INC.
MICHAEL H. SCHRADER, P.E.
IL. LIC. NO. 062-048163

DATE: 2023-11-20
SIGNATURE AND SEAL APPLY TO SHEETS:
1-18
LICENSE EXPIRES: 2023-11-30



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
OR 811

PROJECT ENGINEER: CHERYL KEPLAR
PROJECT MANAGER: RICHARD BARBEE

CONTRACT NO. 76R84

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 14, 2023
Cheryl Keplar REGIONAL ENGINEER
February 2, 2024
Scott A. Etkin ENGINEER OF DESIGN AND ENVIRONMENT
February 2, 2024
Stephen McQuinn DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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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
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
814001-03	HANDHOLES
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
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION. THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- 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.
- NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING AERIAL IMAGERY AND FIELD MEASUREMENTS.
- 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.
- ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATIONS. 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
 AT&T ILLINOIS
 CHARTER SPECTRUM
 CITY OF GRANITE CITY
 EVERSTREAM GLC HOLDING CO LLC
 EXTENET SYSTEMS LLC
 IL AMERICAN WATER-ALTON
 IL AMERICAN WATER-GODFREY
 IL AMERICAN WATER-GRANITE CITY
 MCI/VERIZON
 METRO EAST SANITARY DISTRICT
 SEE SHEETS 7, 10, AND 13 FOR INTERSECTION-SPECIFIC UTILITY SCHEDULES AND CONTACT INFORMATION.

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

REV. - MS

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GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 5015 N. NORTHWEST HIGHWAY SUITE 200 CHICAGO, ILLINOIS 60630 TEL: (773) 714-5900	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.
	PLOT SCALE = 0.2:0000' = 1" / in.	DRAWN - BR, AV	REVISIED -			DB 15 MODERNIZATION 2024-1	VARIOUS	19	2	
PLOT DATE = 11/20/2023	CHECKED - MS	REVISIED -	DATE - 2023-11-20	REVISIED -	SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		
						CONTRACT NO. 76R84				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED	MADISON CT	ST CLAIR CT
				20% STATE	TRAFFIC SIGNALS	TRAFFIC SIGNALS
					0021	0021
				URBAN	URBAN	
25000210	SEEDING, CLASS 2A	ACRE	0.25		0.16	0.09
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	22		14	8
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	22		14	8
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	22		14	8
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	244		128	116
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
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	108		63	45
72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	72		72	0
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1406		822	584
81400100	HANDHOLE	EACH	2		1	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3		2	1

REV. - MS

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	DATE - 2023-11-20	REVISIONS -

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DRAWN - BR, AV	REVISIONS -
CHECKED - MS	REVISIONS -
DATE - 2023-11-20	REVISIONS -

DESIGNED - AV	REVISOR -
DRAWN - BR, AV	REVISIONS -
CHECKED - MS	REVISIONS -
DATE - 2023-11-20	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DB 15 MODERNIZATION 2024-1	VARIOUS	19	3
			CONTRACT NO. 76R84	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% STATE
				MADISON CT	ST CLAIR CT
				TRAFFIC SIGNALS 0021 URBAN	TRAFFIC SIGNALS 0021 URBAN
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	465	0	465
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	479	0	479
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	9000	5627	3373
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2758	2053	705
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1559	925	634
87502670	TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	7	4	3
87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1	1	0
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1	0	1
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	1	0
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	3	3	0
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1	1	0
87700330	STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1	0	1
87700404	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1	0	1
87700408	STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1	1	0
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	21	12	9

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PLOT DATE = 11/20/2023	DATE - 2023-11-20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
(SHEET 2 OF 4)			
SCALE: N.T.S.	SHEET	OF	SHEETS
STA.	TO	STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DB 15 MODERNIZATION 2024-1	VARIOUS	19	4
			CONTRACT NO. 76R84	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	
				MADISON CT	ST CLAIR CT
				TRAFFIC SIGNALS 0021 URBAN	TRAFFIC SIGNALS 0021 URBAN
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10	10	0
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	78	67	11
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	63	21	42
87900200	DRILL EXISTING HANDHOLE	EACH	15	11	4
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	22	15	7
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	20	11	9
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4	3	1
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5	3	2
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	2	0	2
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	28	19	9
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	63427	39681	23746
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	2	1

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	DATE - 2023-11-20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES (SHEET 3 OF 4)			
SCALE: N.T.S.	SHEET	OF	SHEETS
STA.	TO	STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DB 15 MODERNIZATION 2024-1	VARIOUS	19	5
			CONTRACT NO. 76R84	
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES, IL RTE 3/111 AT GODFREY RD /STATE ST

UTILITIES

ITEM	UNIT	TOTAL QUANTITY
SEEDING, CLASS 2A	ACRE	0.08
NITROGEN FERTILIZER NUTRIENT	POUND	7.00
PHOSPHORUS FERTILIZER NUTRIENT	POUND	7.00
POTASSIUM FERTILIZER NUTRIENT	POUND	7.00
CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	128
MOBILIZATION	L SUM	0.34
TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	0.34
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.34
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	0.34
RELOCATE SIGN PANEL - TYPE 1	SQ FT	27
RELOCATE SIGN PANEL - TYPE 2	SQ FT	72
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	441
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3960
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	944
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	491
TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	6
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
DRILL EXISTING HANDHOLE	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
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
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	11
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	23149
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	128

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	700 OAKWOOD AVE, MC AL 832, ALTON, IL 62002	GAS & ELECTRIC	YES	X	X
AT&T ILLINOIS	213 E 3RD STREET, 2ND FLOOR, ALTON, IL 62002	COMMUNICATIONS	YES	X	X
CHARTER SPECTRUM	7645 MAGNA DRIVE, SUITE 100, BELLEVILLE, IL 62223	CABLE TV	YES	X	X
EVERSTREAM GLC HOLDING CO LLC	1228 EUCLID AVE, SUITE 250, CLEVELAND, OH 44115	COMMUNICATIONS	YES	X	X
IL AMERICAN WATER-GODFREY		SEWER	YES		X
IL AMERICAN WATER-ALTON	4436 INDUSTRIAL DRIVE, P.O BOX 186, ALTON, IL 62002	SEWER & WATER	YES		X

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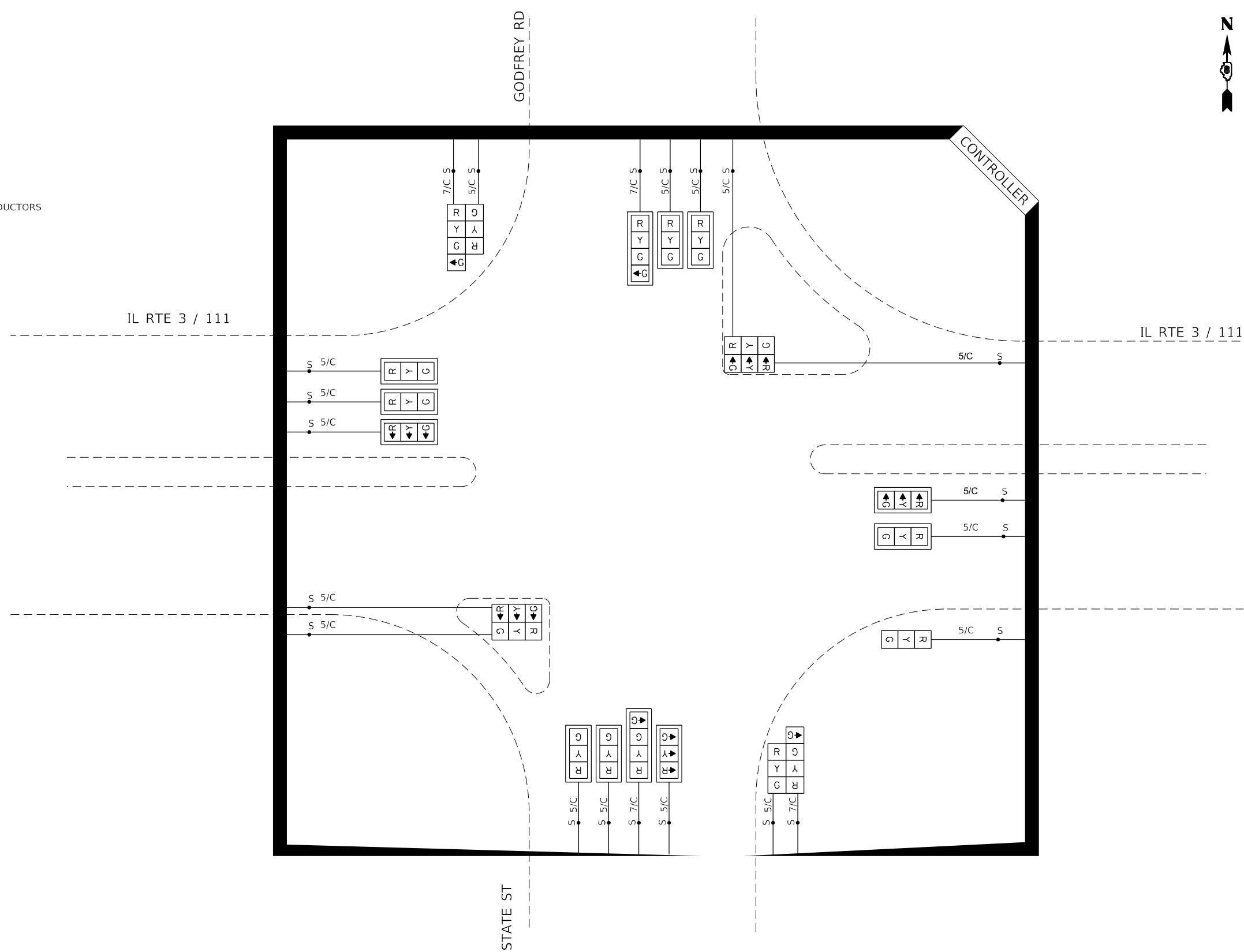
**SCHEDULE OF QUANTITIES AND UTILITIES
IL RTE 3 /111 AT GODFREY RD /STATE ST**

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


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DB TS MODERNIZATION 2024-1	MADISON	19	7
			CONTRACT NO. 76R84	
		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 PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER



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 PROJECT: DB TS MODERNIZATION 2024-1


GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6015 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900

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PLOT DATE = 11/20/2023	DATE - 2023-11-20	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE DIAGRAM			
IL RTE 3111 AT GODFREY RD /STATE ST			
SCALE: N.T.S.	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DB TS MODERNIZATION 2024-1	MADISON	19	9
CONTRACT NO. 76R84				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES, IL RTE 203 AT MADISON AVE/HIGH ST

UTILITIES

ITEM	UNIT	TOTAL QUANTITY
SEEDING, CLASS 2A	ACRE	0.08
NITROGEN FERTILIZER NUTRIENT	POUND	7.00
PHOSPHORUS FERTILIZER NUTRIENT	POUND	7.00
POTASSIUM FERTILIZER NUTRIENT	POUND	7.00
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	36
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	381
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1667
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1109
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	434
TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	6
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28
DRILL EXISTING HANDHOLE	EACH	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	8
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	16532
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	2600 N CENTER STREET, MARYVILLE, IL 62062	GAS & ELECTRIC	YES	X	X
AT&T ILLINOIS	213 E 3RD STREET, 2ND FLOOR, ALTON, IL 62002	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
MCI/VERIZON	900 WALNUT STREET, 6TH FLOOR, ST LOUIS, MO 63102	COMMUNICATIONS	YES	X	X
IL AMERICAN WATER-GRANITE CITY	2000 W 24TH STREET, GRANITE CITY, IL 62040	SEWER & WATER	YES		X
METRO EAST SANITARY DISTRICT	1800 EDISON AVE, P.O. BOX 1366, GRANITE CITY, IL 62040	SEWER	YES		X

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 GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6015 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60631 TEL: (773) 774-5900

 GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6015 N. NORTHWEST HIGHWAY SUITE 206 CHICAGO, ILLINOIS 60631 TEL: (773) 774-5900	USER NAME = brice	DESIGNED - AV	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

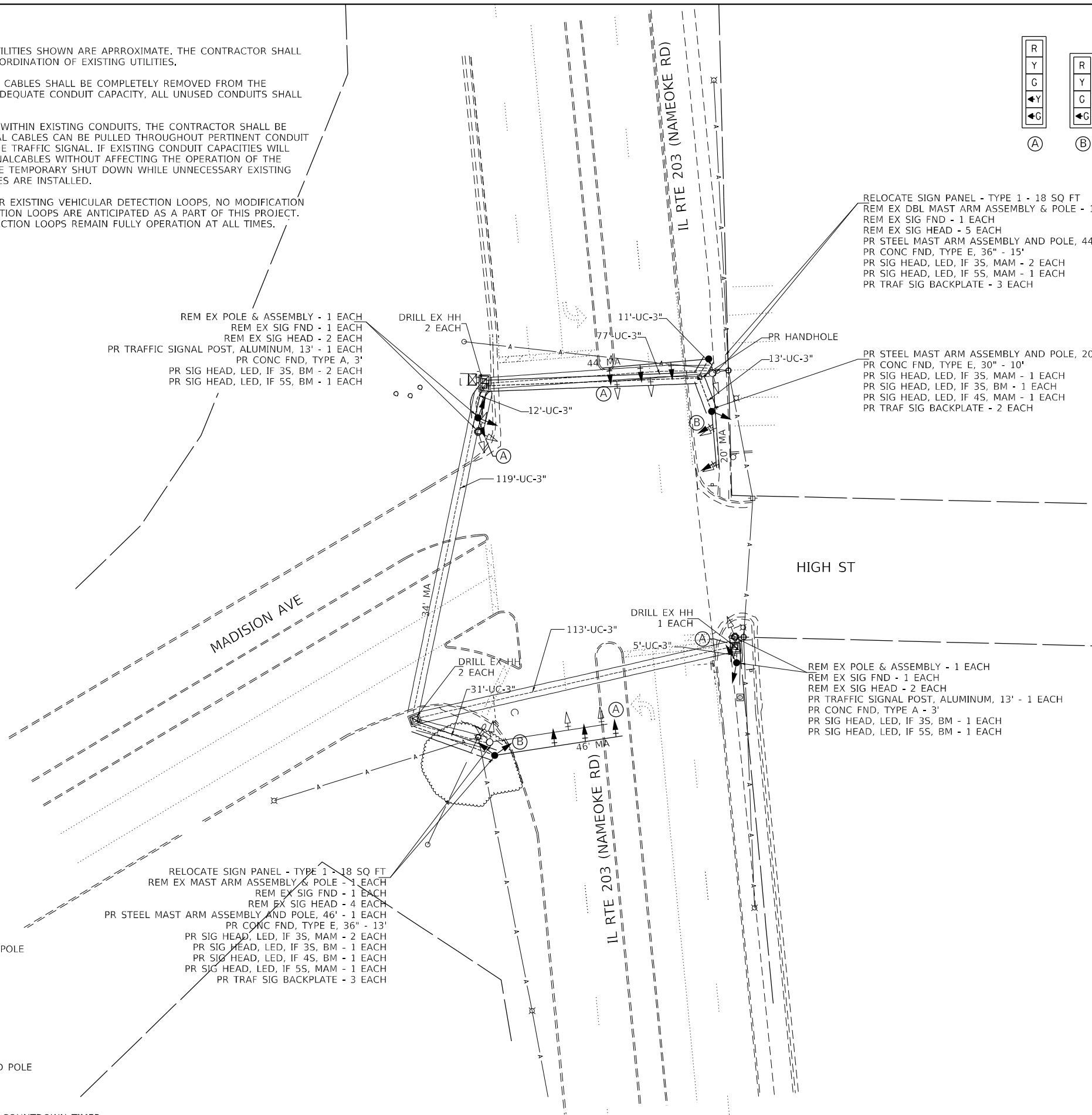
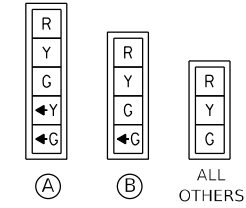
SCHEDULE OF QUANTITIES AND UTILITIES
IL RTE 203 AT MADISON AVE /HIGH ST

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DB TS MODERNIZATION 2024-1	MADISON	19	10
			CONTRACT NO. 76R84	
		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

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 - 4 EACH
 PR STEEL MAST ARM ASSEMBLY AND POLE, 46' - 1 EACH
 PR CONC FND, TYPE E, 36" - 13'
 PR SIG HEAD, LED, IF 3S, MAM - 2 EACH
 PR SIG HEAD, LED, IF 3S, BM - 1 EACH
 PR SIG HEAD, LED, IF 4S, BM - 1 EACH
 PR SIG HEAD, LED, IF 5S, MAM - 1 EACH
 PR TRAF SIG BACKPLATE - 3 EACH

RELOCATE SIGN PANEL - TYPE 1 - 18 SQ FT
 REM EX DBL MAST ARM ASSEMBLY & POLE - 1 EACH
 REM EX SIG FND - 1 EACH
 REM EX SIG HEAD - 5 EACH
 PR STEEL MAST ARM ASSEMBLY AND POLE, 44' - 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

PR STEEL MAST ARM ASSEMBLY AND POLE, 20' - 1 EACH
 PR CONC FND, TYPE E, 30" - 10'
 PR SIG HEAD, LED, IF 3S, MAM - 1 EACH
 PR SIG HEAD, LED, IF 3S, BM - 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
 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

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 GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6015 N. NORTHWEST HIGHWAY
 SUITE 300
 CHICAGO, ILLINOIS 60631 TEL: (773) 774-5900

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


**TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 203 AT MADISION AVE /HIGH ST**

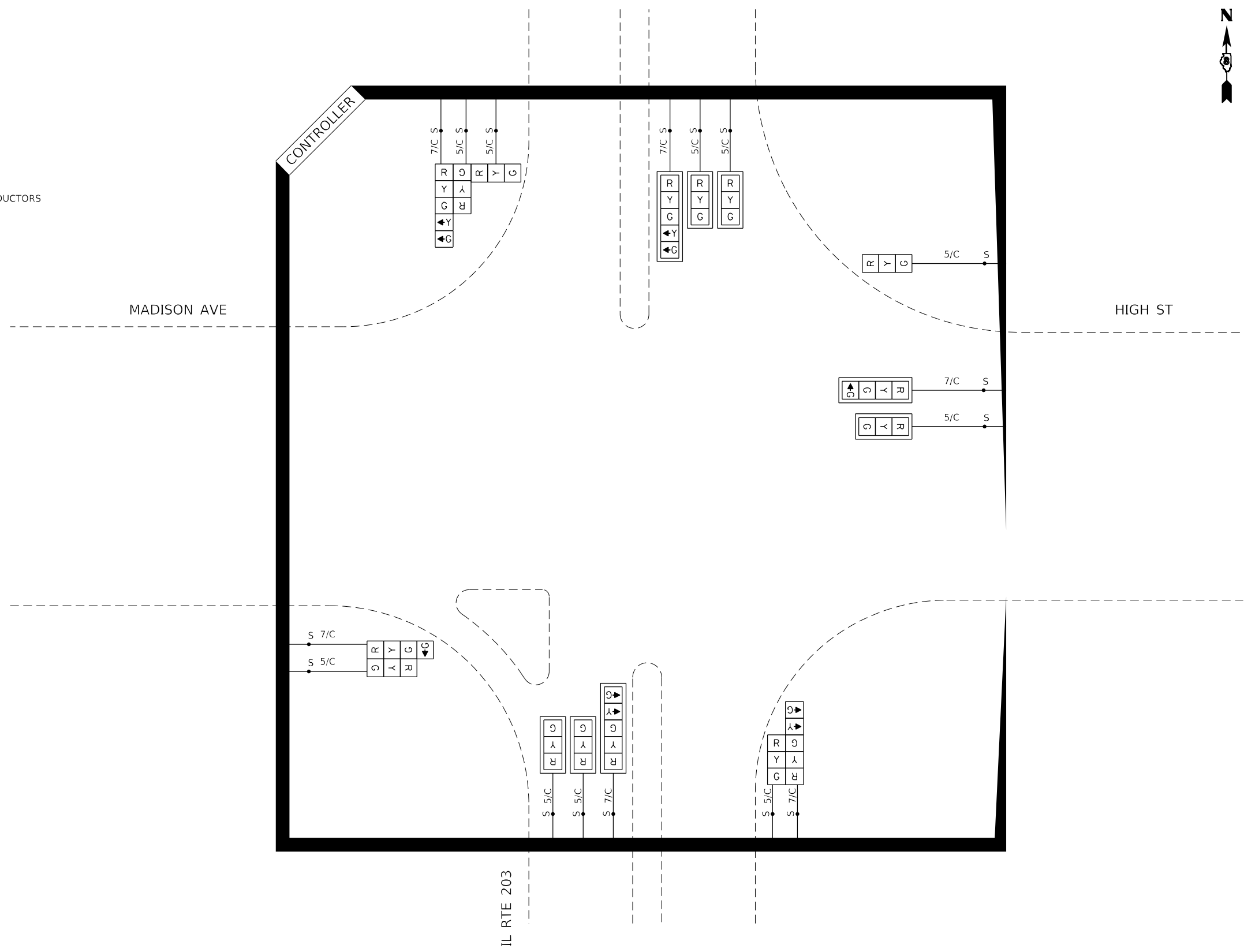
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DB 15 MODERNIZATION 2024-1		MADISON	19	11
CONTRACT NO. 76R84				
ILLINOIS FED. AID PROJECT				




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 PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER



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GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5015 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900

USER NAME = brice	DESIGNED - AV	REVISED -
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PLOT DATE = 11/20/2023	DATE - 2023-11-20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE DIAGRAM
IL RTE 203 AT MADISON AVE /HIGH ST

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DB TS MODERNIZATION 2024-1	MADISON	19	12
CONTRACT NO. 76R84				
ILLINOIS FED. AID PROJECT				

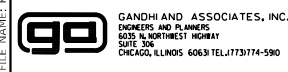
SCHEDULE OF QUANTITIES, IL RTE 203 AT OHIO AVE

UTILITIES

ITEM	UNIT	TOTAL QUANTITY
SEEDING, CLASS 2A	ACRE	0.09
NITROGEN FERTILIZER NUTRIENT	POUND	8.00
PHOSPHORUS FERTILIZER NUTRIENT	POUND	8.00
POTASSIUM FERTILIZER NUTRIENT	POUND	8.00
CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	116
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	45
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	584
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	465
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	479
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3373
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	705
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	634
TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	9
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
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	9
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	23746
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	116
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	2000 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
IL AMERICAN WATER-GRANITE CITY	2000 W 24TH STREET, GRANITE CITY, IL 62040	WATER	YES		X
METRO EAST SANITARY DISTRICT	1800 EDISON AVE, P.O. BOX 1366, GRANITE CITY, IL 62040	SEWER	YES		X

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

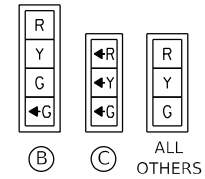
**SCHEDULE OF QUANTITIES AND UTILITIES
IL RTE 203 AT OHIO AVE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DB 15 MODERNIZATION 2024-1	ST. CLAIR	19	13
			CONTRACT NO. 76R84	
		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 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.



RELOCATE SIGN PANEL - TYPE 1 - 9 SQ FT
 REM EX MAST ARM ASSEMBLY & POLE - 1 EACH
 REM EX SIG FND - 1 EACH
 REM EX SIG HEAD - 3 EACH
 PR STEEL MAST ARM ASSEMBLY AND POLE, 36' - 1 EACH
 PR CONC FND, TYPE E, 36" - 11'
 PR SIG HEAD, LED, IF 3S, BM - 2 EACH
 PR SIG HEAD, LED, IF 4S, MAM - 2 EACH
 PR TRAF SIG BACKPLATE - 2 EACH
 PR PED SIG HEAD - 1 EACH
 PR APS - 1 EACH

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
 PR STEEL MAST ARM ASSEMBLY AND POLE, 62' - 1 EACH
 PR CONC FND, TYPE E, 42" - 21'
 PR SIG HEAD, LED, IF 3S, MAM - 4 EACH
 PR TRAF SIG BACKPLATE - 4 EACH

REM CONC MEDIAN SURFACE - 54 SQ FT
 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
 REM EX PED PUSH BUTTON - 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
 PR CONC MEDIAN SURFACE 4" - 54 SQ FT
 PR APS - 1 EACH

REM EX HANDHOLE - 1 EACH
 PR HANDHOLE - 1 EACH

REM CONC MEDIAN SURFACE - 62 SQ FT
 REM EX POLE & ASSEMBLY - 1 EACH
 REM EX SIG FND - 1 EACH
 REM EX SIG HEAD - 3 EACH
 PR TRAFFIC SIGNAL POST, ALUMINUM, 13' - 1 EACH
 PR CONC FND, TYPE A - 3'
 PR SIG HEAD, LED, IF 3S, BM - 3 EACH
 PR CONC MEDIAN SURFACE 4" - 62 SQ FT

REM EX POLE & ASSEMBLY - 1 EACH
 REM EX SIG FND - 1 EACH
 REM EX 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

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 - 4 EACH
 PR STEEL MAST ARM ASSEMBLY AND POLE, 56' - 1 EACH
 PR CONC FND, TYPE E, 42" - 21'
 PR SIG HEAD, LED, IF 3S, MAM - 3 EACH
 PR SIG HEAD, LED, IF 3S, BM - 2 EACH
 PR TRAF SIG BACKPLATE - 3 EACH

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
- ⤴ 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



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
IL RTE 203 AT OHIO AVE**

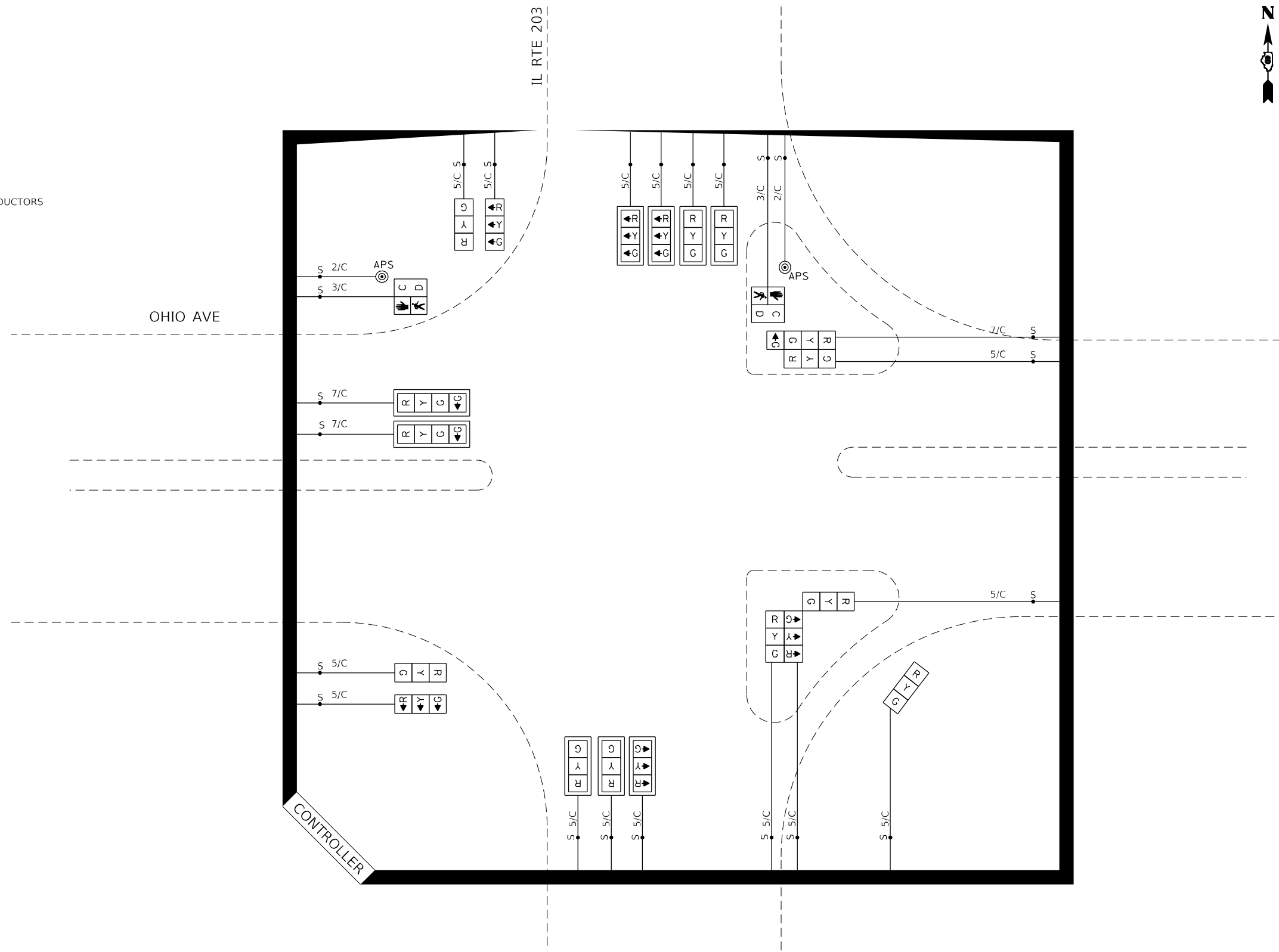
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DB 15 MODERNIZATION 2024-1		ST. CLAIR	19	14
			CONTRACT NO. 76R84	
			ILLINOIS FED. AID PROJECT	



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 | PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER |
| ↓ | ↓ | |



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	GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 5035 N. NORTHWEST HIGHWAY SUITE 206 CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900	
	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	

CABLE DIAGRAM
 IL RTE 203 AT OHIO AVE

SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DB 15 MODERNIZATION 2024-1	ST. CLAIR	19	15	CONTRACT NO. 76R84
ILLINOIS		FED. AID PROJECT		



SOIL BORING LOG

Page 1 of 1

Date 3/2/77

ROUTE FAP 785 DESCRIPTION Traffic Signals at IL 3/111 at State Street / Godfrey Road LOGGED BY J. King

SECTION 1-1-3 LOCATION SW 1/4, SEC. 35, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	
					ft	ft
BORING NO. <u>2</u> Station <u>8+24</u> Offset <u>43.00ft Right</u> Ground Surface Elev. <u>627.9</u> ft						
Gray Silty CLAY with Limestone Chips						
			1.3	17		
Red Brown Clayey SILT						
			1.5			
END OF BORING						
			2.0			

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)



SOIL BORING LOG

Page 1 of 1

Date 3/2/77

ROUTE FAP 785 DESCRIPTION Traffic Signals at IL 3/111 at State Street / Godfrey Road LOGGED BY J. King

SECTION 1-1-3 LOCATION SW 1/4, SEC. 35, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	
					ft	ft
BORING NO. <u>1</u> Station <u>99+60</u> Offset <u>34.00ft Left</u> Ground Surface Elev. <u>628.1</u> ft						
Brown Silty CLAY						
			1.5	20		
Red Brown Clayey SILT						
			1.2	21		
Red Brown Silty CLAY						
			1.5	21		
END OF BORING						
			1.8	24		

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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	DATE - 2023-11-20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS			
IL RTE 3111 AT GODFREY RD/STATE ST			
SCALE: N.T.S.	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DB TS MODERNIZATION 2024-1	MADISON	19	16
ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 76R84				



SOIL BORING LOG

Page 1 of 1

Date 3/16/23

ROUTE 203 & Madison Av DESCRIPTION D8 Traffic Signal Modernization 2024-1 LOGGED BY KEG

SECTION LOCATION SEC. TWP. RNG. PM

COUNTY Madison DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.		D E P T H	B L O W S	U C S Qu	M O I S T
					ft	ft				
BORING NO. B-1 Station -Sta 70+90 Offset						Groundwater Elev.:				
Ground Surface Elev. ft 416.828	(ft)	(/6")	(tsf)	(%)		First Encounter 403.3 ft	(ft)	(/6")	(tsf)	(%)
						Upon Completion				
						After Hrs.				
3" Asphalt 14" Concrete					415.3					END OF BORING
Hand augered Gray Clay, med stiff, w/ some gravel			1.25 P	38	413.3					
Hand augered Light brown Silt, soft			0.0 P	29	410.8					
Brown Silty Clay, soft			1.1 B	37	408.3					
Brown Silt, very soft			0 P	36	405.3					
w/ gravel pieces			3 B	35	403.3					
Gray Silt Loam, soft, wet			2 B	36						
			0 P	37						
			0 P	31	396.8					

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

Date 3/16/23

ROUTE 203 & Madison Av DESCRIPTION D8 Traffic Signal Modernization 2024-1 LOGGED BY KEG

SECTION LOCATION SEC. TWP. RNG. PM

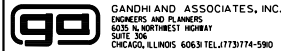
COUNTY Madison DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.		D E P T H	B L O W S	U C S Qu	M O I S T
					ft	ft				
BORING NO. B-2 Station -Sta 2+25 Offset						Groundwater Elev.:				
Ground Surface Elev. ft 417.477	(ft)	(/6")	(tsf)	(%)		First Encounter n/a ft	(ft)	(/6")	(tsf)	(%)
						Upon Completion				
						After Hrs.				
4" Asphalt 9" Concrete					416.4					
Gray and Black Clay, med stiff			3.5 B	32	413.7					
Light Brown Silt, very soft			2.0 S	18	411.5					
Gray and Brown Silty Clay, soft to med stiff, w/ red staining			6 B	36	409.9					
Gray Silt Loam, very soft, w/ some gravel			12 B	34	406.5					
w/o gravel			0.5 P	38	404.5					
becomes dark gray			0.0 P	37	401.5					
Gray and Brown Silt, very very soft, wet			-	35	400.0					
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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PLOT DATE = 11/20/2023	CHECKED - MS	REVISED -
	DATE - 2023-11-20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
IL RTE 203 AT MADISON AVE/HIGH ST

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D8 TS MODERNIZATION 2024-1		MADISON	19	18
			CONTRACT NO. 76R84	
		ILLINOIS	FED. AID PROJECT	



SOIL BORING LOG

Page 1 of 1

ROUTE FAP 594 (FA 586) DESCRIPTION Traffic Signals at IL 203 and Truck Stop / Raceway LOGGED BY L. Ford

SECTION (580.581)RS LOCATION SW 1/4, NE 1/4, SEC. 6, TWP. 2N, RNG. 9W, 3 PM

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

STRUCT. NO. Station 137+62.4=2+00 Access Rd	D E P T H S	B L O W S	U C S Q u	M O I S T	Surface Water Elev. _____ ft	D E P T H	B L O W S	U C S Q u	M O I S T
BORING NO. 1 NE QUAD Station 138+72 Offset 58.00ft L Ground Surface Elev. 406.0 ft	(ft)	(/6")	(tsf)	(%)	Stream Bed Elev. _____ ft	(ft)	(/6")	(tsf)	(%)
					Groundwater Elev.: First Encounter 393.5 ft Upon Completion _____ ft After _____ Hrs.				

Gray Sandy Silty CLAY					385.0	7		NC	
END OF BORING									
	2								
	4	1.8		19					
	11	S/10							
	-5	3			-25				
	8	1.9		17					
	14	S/5							
399.5									
Gray Silty CLAY									
	2								
	3	1.1		25					
	5	S/10							
396.2									
Brown and Gray Sandy SILT									
	2	0.6		25					
	4	S/10							
394.2									
Gray Fine to Coarse SAND									
	2								
	6								
	8	NC							
392.0									
Brown Fine SAND									
	1	WR			-35				
	3	NC							
389.5									
Brown Fine to Coarse SAND (Mostly Fine with Some Fine Gravel)									
	1								
	3								
	6	NC							
-20					-40				

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 594 (FA 586) DESCRIPTION Traffic Signals at IL 203 and Truck Stop / Raceway LOGGED BY L. Ford

SECTION (580.581)RS LOCATION SW 1/4, NE 1/4, SEC. 6, TWP. 2N, RNG. 9W, 3 PM

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

STRUCT. NO. Station 137+62.4=2+00 Access Rd	D E P T H S	B L O W S	U C S Q u	M O I S T	Surface Water Elev. _____ ft	D E P T H	B L O W S	U C S Q u	M O I S T
BORING NO. 2 NW QUAD Station 138+13 Offset 68.00ft L Ground Surface Elev. 410.1 ft	(ft)	(/6")	(tsf)	(%)	Stream Bed Elev. _____ ft	(ft)	(/6")	(tsf)	(%)
					Groundwater Elev.: First Encounter 398.1 ft Upon Completion _____ ft After _____ Hrs.				

Gray Silty CLAY					388.9	2		NC	
END OF BORING									
	2								
	4	1.5		25					
	7	S/10							
406.6									
Gray Silty Sandy CLAY									
	3				-25				
	4	0.7		22					
	3	S/5							
403.6									
Gray Silty CLAY									
	2								
	4	1.2		23					
	4	S/5							
401.1									
Gray Silty Sandy CLAY									
	2				-30				
	4	0.8		21					
	9	S/5							
399.2									
Brown and Gray Fine SAND									
	1								
	4	NC							
	4	NC							
396.1									
Brown Fine to Coarse SAND with some Gravel (Mostly Fine) (Sand Rose 0.8 after sampling)									
	1				-35				
	6								
	7	NC							
-15									
	1								
	3								
	5	NC							
-20					-40				

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 594 (FA 586) DESCRIPTION Traffic Signals at IL 203 and Truck Stop / Raceway LOGGED BY L. Ford

SECTION (580.581)RS LOCATION SW 1/4, NE 1/4, SEC. 6, TWP. 2N, RNG. 9W, 3 PM

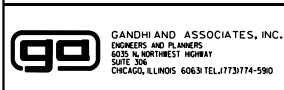
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. Station 137+62.4=2+00 Access Rd	D E P T H S	B L O W S	U C S Q u	M O I S T	Surface Water Elev. _____ ft	D E P T H	B L O W S	U C S Q u	M O I S T
BORING NO. 3 SW QUAD Station 137+10 Offset 56.00ft L Ground Surface Elev. 410.6 ft	(ft)	(/6")	(tsf)	(%)	Stream Bed Elev. _____ ft	(ft)	(/6")	(tsf)	(%)
					Groundwater Elev.: First Encounter 397.8 ft Upon Completion _____ ft After _____ Hrs.				

Brown and Gray Silty Sandy CLAY					389.4	1		NC	
END OF BORING									
	2								
	2	0.8		22					
	4	S/10							
	-5	4			-25				
	9	1.2		20					
	12	S/5							
	2								
	5	1.8		27					
	6	S/10							
-10					-30				
Brown and Gray Fine SAND									
	2								
	5	1.6		21					
	8	S/5							
398.3									
Brown and Gray Fine SAND									
	2								
	5								
	7	NC							
396.6									
Brownish Gray Fine to Coarse SAND (Mostly Fine with Some Gravel)									
	1	WR			-35				
	4	NC							
394.1									
Brown Fine SAND									
	1								
	4								
	6	NC							
391.6									
Brown Fine to Coarse SAND									
					-40				

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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	DATE - 2023-11-20	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS IL RTE 203 AT OHIO AVE SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DB 15 MODERNIZATION 2024-1	MADISON	19	19
CONTRACT NO. 76R84				
ILLINOIS FED. AID PROJECT				