06-17-2022 LETTING ITEM 084

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	(202,1,121)TS-1	MADISON	37	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76P94		

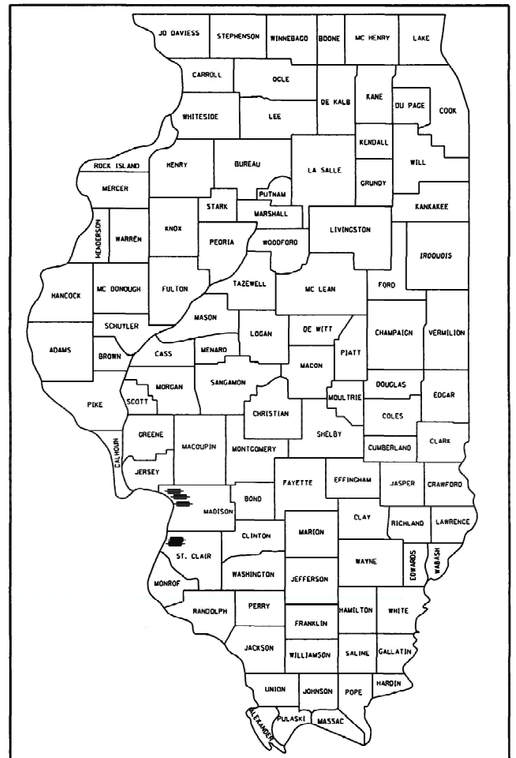
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

VARIOUS ROUTES
SECTION: (202,1,121)TS–1
PROJECT: NHPP–DKHS (061)
TRAFFIC SIGNAL REPAIR & REPLACEMENT
MADISON /ST. CLAIR COUNTY

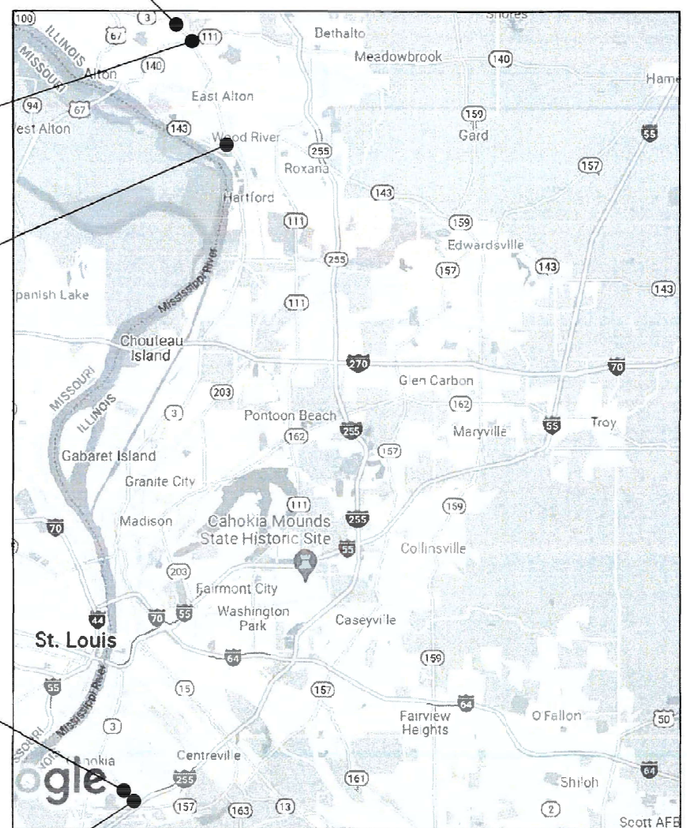
FOR INDEX OF SHEETS, SEE SHEET NO. 2

D–98–037–22



LOCATION OF SECTION INDICATED THUS: – ■ –

C–98–067–22



LOCATION MAP

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

LICENSED PROFESSIONAL ENGINEER
MICHAEL H. SCHRADER
062-048163
STATE OF ILLINOIS

DATE: 03-16-2022

SIGNATURE AND SEAL APPLY TO SHEETS:
1-22

LICENSE EXPIRES: 11-30-2023

100' 200' 300' — 1" = 100'
10' 20' 30' — 1" = 10'
50' 100' — 1" = 50'
50' 100' — 1" = 40'
50' 100' — 1" = 30'
50' 100' — 1" = 20'

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

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

PROJECT ENGINEER: CHERYL KEPLAR
SQUAD LEADER: MICHAEL PRESTON

CONTRACT NO. 76P94

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 17 20 22
Stephen Travis PE
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13, 2022
Jack A. Elston
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2022
Stephen M Travis
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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

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
701901-08	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'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'

ELECTRICAL GENERAL NOTES

1. ALL VEHICLES AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" L.E.D. SECTIONS. ALL MOUNTING HARDWARE, SIGNAL POSTS, AND BASES SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL. ANTI-FREEZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. BACKPLATES SHALL BE PLASTIC.
3. 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 OF THE MAST ARMS SHALL BE GALVANIZED.
4. ALL TRAFFIC CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
5. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
6. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 803.03(B)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC LEGENDS".
7. SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
8. 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.
9. THE KNOWN UTILITIES IN THE AREA ARE:
   AMEREN ILLINOIS
   AT&T ILLINOIS
   BP PIPELINES
   CHARTER/SPECTRUM COMMUNICATIONS
   CITY OF ALTON
   CITY OF COHOKIA HEIGHTS
   CITY OF WOOD RIVER
   ENABLE MISSISSIPPI RIVER GAS TRANSMISSION
   EVERSTREAM GLC HOLDING CO LLC
   IL AMERICAN WALTER-ALTON WATER/SANITARY
   MCI/VERIZON
   MORGAS PIPELINE LLC
   PRARIE DU PONT PUBLIC WATER
   WOOD RIVER DRAINAGE & LEVEE DISTRICT
10. CABLE MARKING TAPE SHALL BE INCLUDED WITH THE PAY ITEM "TRENCH AND BACKFILL FOR ELECTRICAL WORK" AND INSTALLED PER ARTICLE 815.03(D) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
11. 1¼" NYLON PULL ROPE SHALL BE FURNISHED AND INSTALLED IN ALL SIGNAL CONDUITS. THIS WORK SHALL BE INCLUDED WITH THE CONDUIT PAY ITEM.

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.

THE STANDARDS AND REVISIONS LISTED APPLY TO THIS PROJECT.

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 202.30 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 EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES. LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES. CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. , AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGED TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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.

REV. - MS

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED - AV	REVISED -	
	DRAWN - EA, AV, BR	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = 3/15/2022	DATE - 2/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, & TRAFFIC SIGNAL LEGEND

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202.1,121)TS-1	MADISON/ST. CLAIR	37	2
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493.WORKORDER.1\CAD_Sheets\D876P94-sht-Standards.dgn

80% FED
20% STATE

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 0021 ST. CLAIR COUNTY URBAN TRAFFIC SIGNALS	CONSTRUCTION CODE 0021 MADISON COUNTY URBAN TRAFFIC SIGNALS
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	340	136	204
*	66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GALLON	200	0	200
*	66900530	SOIL DISPOSAL ANALYSYS	EACH	4	2	2
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.4	0.6
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.4	0.6
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DAY	10	4	6
	67100100	MOBILIZATION	L SUM	1	0.4	0.6
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.32	0.68
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.32	0.68
*	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	123	57	66
*	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	40	0	40
	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	660	131	529
	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	179	179	0
	81400100	HANDHOLE	EACH	1	1	0

* SPECIALTY ITEM

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL: (773)774-5900

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 1 OF 4)

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	3
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD_Sheets\D876P94-sht-S00-01.dgn

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 0021	
				ST. CLAIR COUNTY URBAN TRAFFIC SIGNALS	MADISON COUNTY URBAN TRAFFIC SIGNALS
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5	2	3
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	108	108	0
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	136	136	0
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5630	1554	4076
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1215	689	526
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1175	436	739
87502670	TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	7	1	6
87700130	STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	1	0	1
87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1	1	0
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1	0	1
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2	0	2
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2	0	2
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	0	1
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	3	0	3

▪ SPECIALTY ITEM

REV. - MS

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.:(773)774-5900

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	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 2 OF 4)

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	4
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD\Sheets\D76P94-sht-SQ0-02.dgn

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 0021 ST. CLAIR COUNTY URBAN TRAFFIC SIGNALS	CONSTRUCTION CODE 0021 MADISON COUNTY URBAN TRAFFIC SIGNALS
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	2	1	1
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	7	3	4
87700424	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1	1	0
87700430	STEEL MAST ARM ASSEMBLY AND POLE, 75 FT.	EACH	1	0	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	7	1	6
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20	10	10
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	242	60	182
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42	21	21
87900200	DRILL EXISTING HANDHOLE	EACH	32	10	22
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	49	12	37
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	22	5	17
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4	0	4
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5	0	5
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2	0

* SPECIALTY ITEM

REV. - MS

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60630 TEL.(773)774-5900

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 3 OF 4)

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,12I)TS-1	MADISON/ST. CLAIR	37	5
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD_Sheets\D76P94-sht-SOD-03.dgn

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 0021	
				ST. CLAIR COUNTY URBAN TRAFFIC SIGNALS	MADISON COUNTY URBAN TRAFFIC SIGNALS
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4	4	0
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	8	0
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	58	16	42
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5	2	3
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	27	7	20
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4	4	0

* SPECIALTY ITEM

REV. - MS

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
1035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 4 OF 4)

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	6
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD_Sheets\D876P94-sht-SQQ-84.dgn

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY.
	NON-SPECIAL WASTE DISPOSAL	CU YD	68
	SOIL DISPOSAL ANALYSYS	EACH	1
	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	0.2
	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	0.2
	REGULATED SUBSTANCES MONITORING	CAL DAY	2
	MOBILIZATION	L SUM	0.2
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	0.16
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.16
	RELOCATE SIGN PANEL - TYPE 1	SQ FT	28.5
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	61
*	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	108
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	136
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 5C	FOOT	730
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 7C	FOOT	241
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	112
	TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	1
	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30
	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
	DRILL EXISTING HANDHOLE	EACH	5
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
	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
*	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
*	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4

* SPECIALTY ITEM

UTILITIES

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	500 EAST BROADWAY, MC ES 830, EAST ST. LOUIS, IL 62201	GAS & ELECTRIC	YES	X	X
AT&T ILLINOIS	721 MISSOURI AVE, EAST ST. LOUIS, IL 62201	COMMUNICATIONS	YES	X	X
CITY OF CAHOKIA HEIGHTS	201 WEST 4TH STREET, CAHOKIA HEIGHTS, IL 62206	SEWER/WATER	YES		X
CHARTER/SPECTRUM COMMUNICATIONS	210 WEST DIVISION STREET, MARYVILLE, IL 62062	CABLE TV	YES	X	X
MCI/VERIZON	900 WALNUT STREET, 6TH FLOOR, ST. LOUIS, MO 63102	COMMUNICATIONS	YES	X	X
PRAIRIE DU PONT PUBLIC WATER	111 FRONT STREET , EAST CARONDELET, IL 62240	WATER	YES		X

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED - AV	REVISED -	
	DRAWN - EA, AV, BR	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = 3/15/2022	DATE - 2/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND UTILITIES
IL ROUTE 157 & LAZERCHEFF DR (CAHOKIA, IL)

SCALE:N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	7
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-ts01.dgn

NOTES:

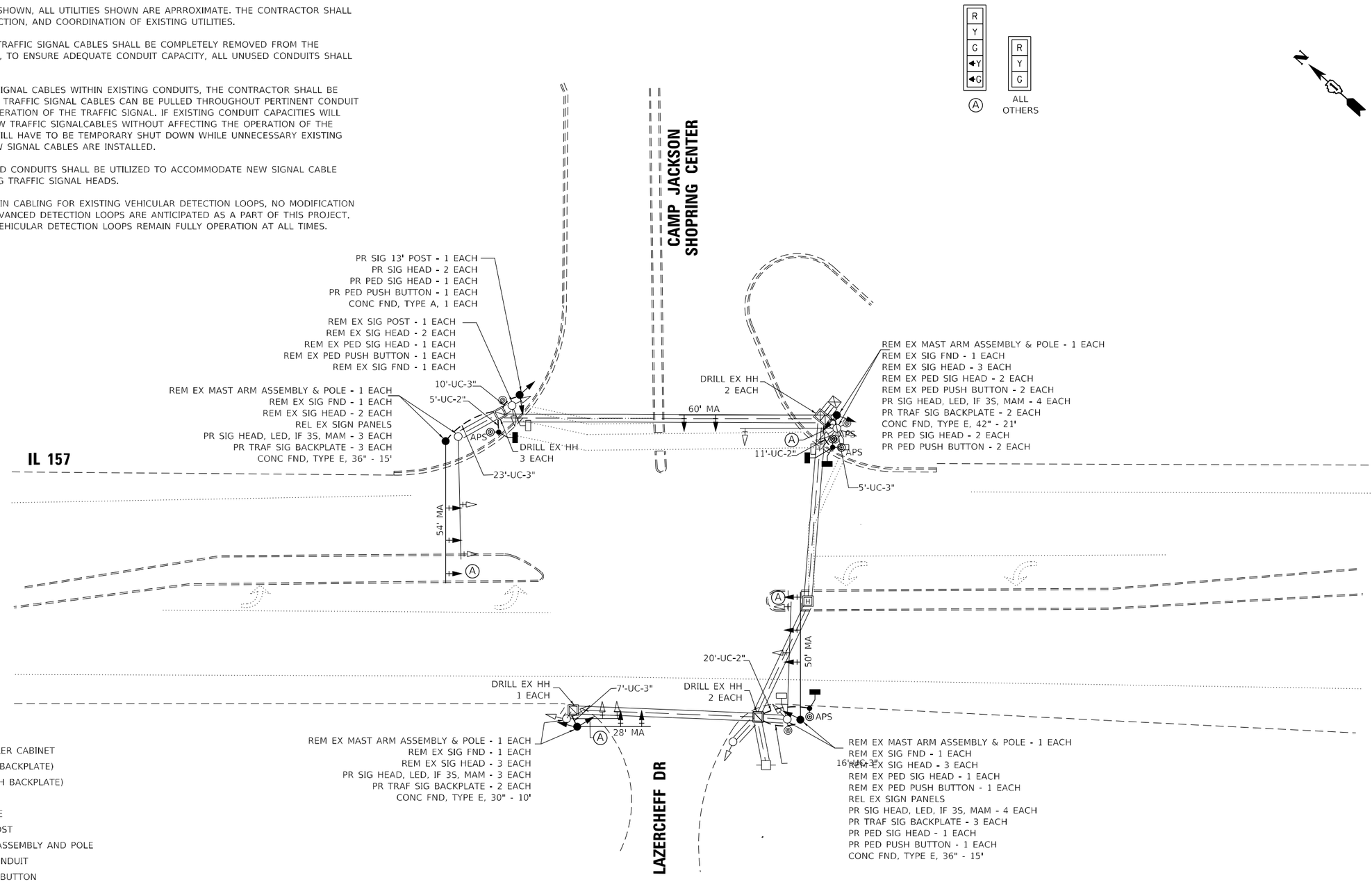
1. ALL UTILITIES PRESENT MAY NOT BE SHOWN, ALL UTILITIES SHOWN ARE APRROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, PROTECTION, AND COORDINATION OF EXISTING UTILITIES.

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 AND/OR PROPOSED CONDUITS SHALL BE UTILIZED TO ACCOMMODATE NEW SIGNAL CABLE REQUIRED FOR RELOCATION OF EXISTING TRAFFIC SIGNAL HEADS.

5. 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

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.:(773)774-5900

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PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 157 & LAZERCHEFF DR (CAHOKIA, IL)

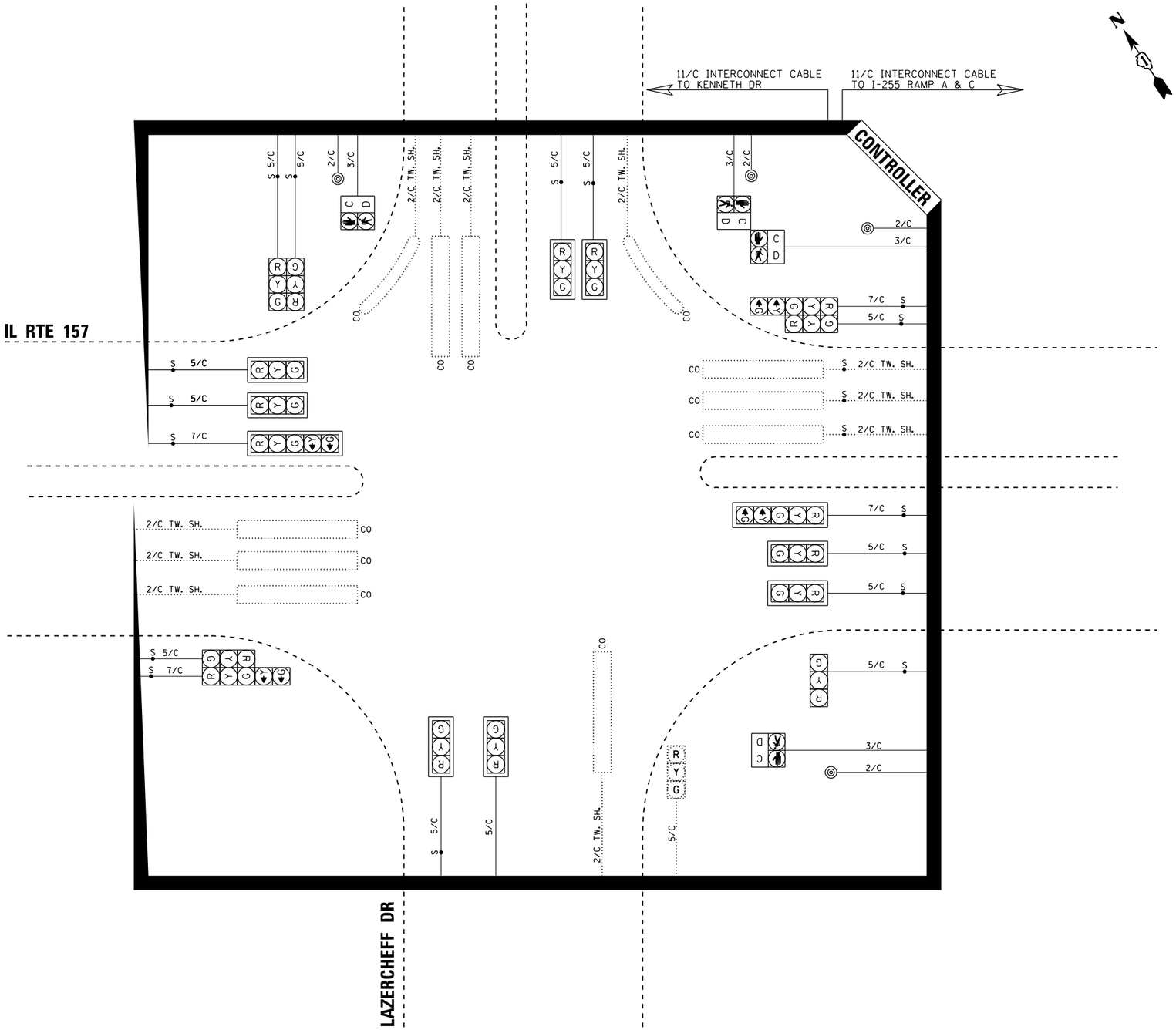
SCALE:1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	8
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD_Sheets\DB76P94-sht-ts02.dgn

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



FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD\Sheets\D876P94-sht-ts03.dgn

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:(773)774-5900	USER NAME = brice	DESIGNED – AV	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE DIAGRAM IL ROUTE 157 & LAZERCHEFF DR (CAHOKIA, IL)
		DRAWN – EA, AV, BR	REVISED –		
	PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –		SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.
	PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	9
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY.
	NON-SPECIAL WASTE DISPOSAL	CU YD	68
	SOIL DISPOSAL ANALYSYS	EACH	1
	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	0.2
	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	0.2
	REGULATED SUBSTANCES MONITORING	CAL DAY	2
	MOBILIZATION	L SUM	0.2
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	0.16
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.16
	RELOCATE SIGN PANEL - TYPE 1	SQ FT	28.5
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	70
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	179
	HANDHOLE	EACH	1
*	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	824
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	448
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	324
	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	2
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30
	DRILL EXISTING HANDHOLE	EACH	5
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
	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	6
*	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2

UTILITIES

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	500 EAST BROADWAY, MC ES 830, EAST ST. LOUIS, IL 62201	GAS & ELECTRIC	YES	X	X
AT&T ILLINOIS	721 MISSOURI AVE, EAST ST. LOUIS, IL 62201	COMMUNICATIONS	YES	X	X
CITY OF CAHOKIA HEIGHTS	201 WEST 4TH STREET, CAHOKIA HEIGHTS, IL 62206	SEWER/WATER	YES		X
CHARTER/SPECTRUM COMMUNICATIONS	210 WEST DIVISION STREET, MARYVILLE, IL 62062	CABLE TV	YES	X	X
MCI/VERIZON	900 WALNUT STREET, 6TH FLOOR, ST. LOUIS, MO 63102	COMMUNICATIONS	YES	X	X
PRAIRIE DU PONT PUBLIC WATER	111 FRONT STREET , EAST CARONDELET, IL 62240	WATER	YES		X

* SPECIALTY ITEM

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CHICAGO, ILLINOIS 60631 TEL.:773)774-5900

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PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND UTILITIES
IL ROUTE 157 & KENNETH DR (CAHOKIA, IL)

SCALE:N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	10
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-ant-ts04.dgn

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.

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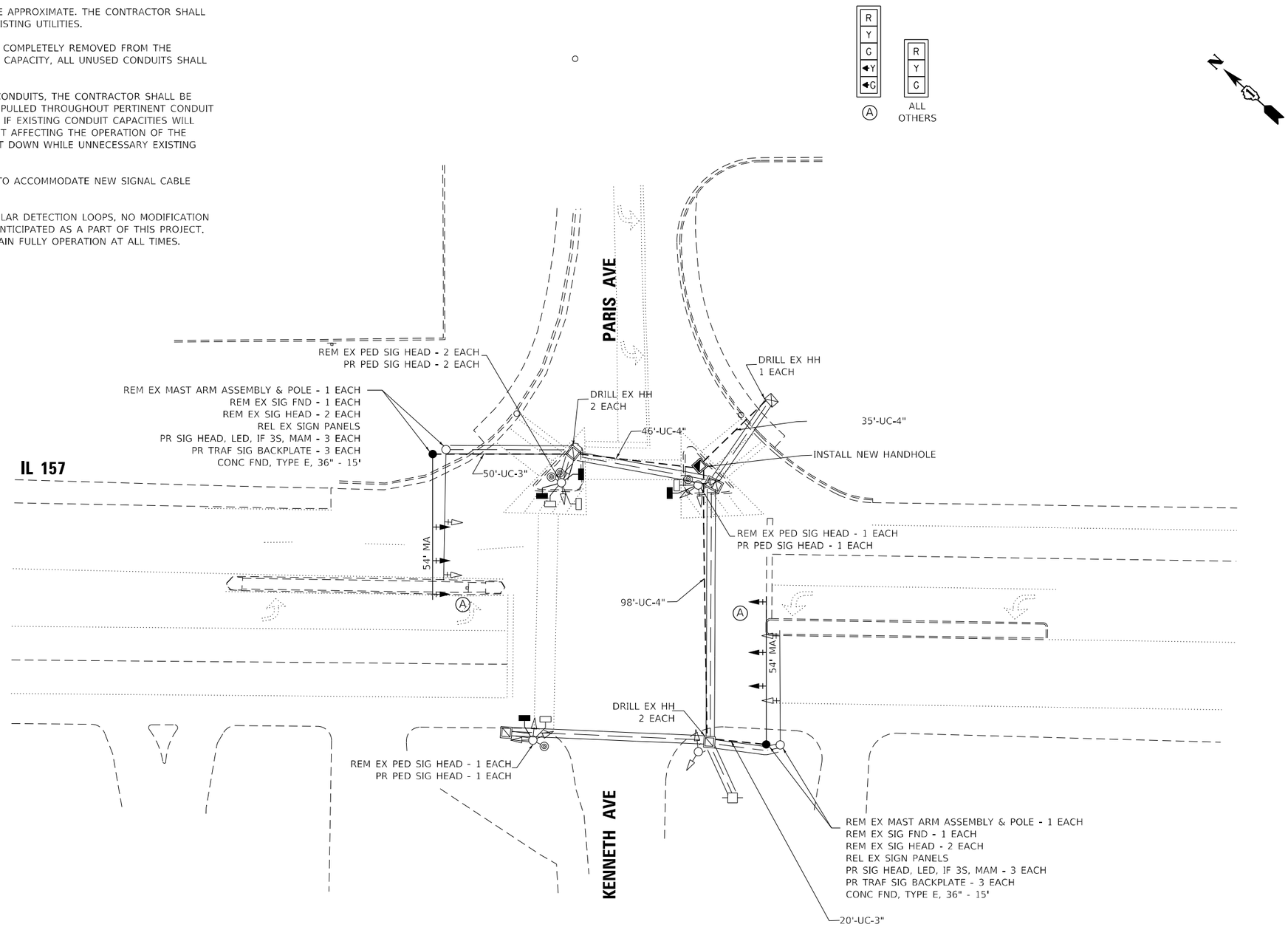
4. DENOTED EXISTING AND/OR PROPOSED CONDUITS SHALL BE UTILIZED TO ACCOMMODATE NEW SIGNAL CABLE REQUIRED FOR RELOCATION OF EXISTING TRAFFIC SIGNAL HEADS.

5. 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
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 157 & KENNETH DR (CAHOKIA, IL)

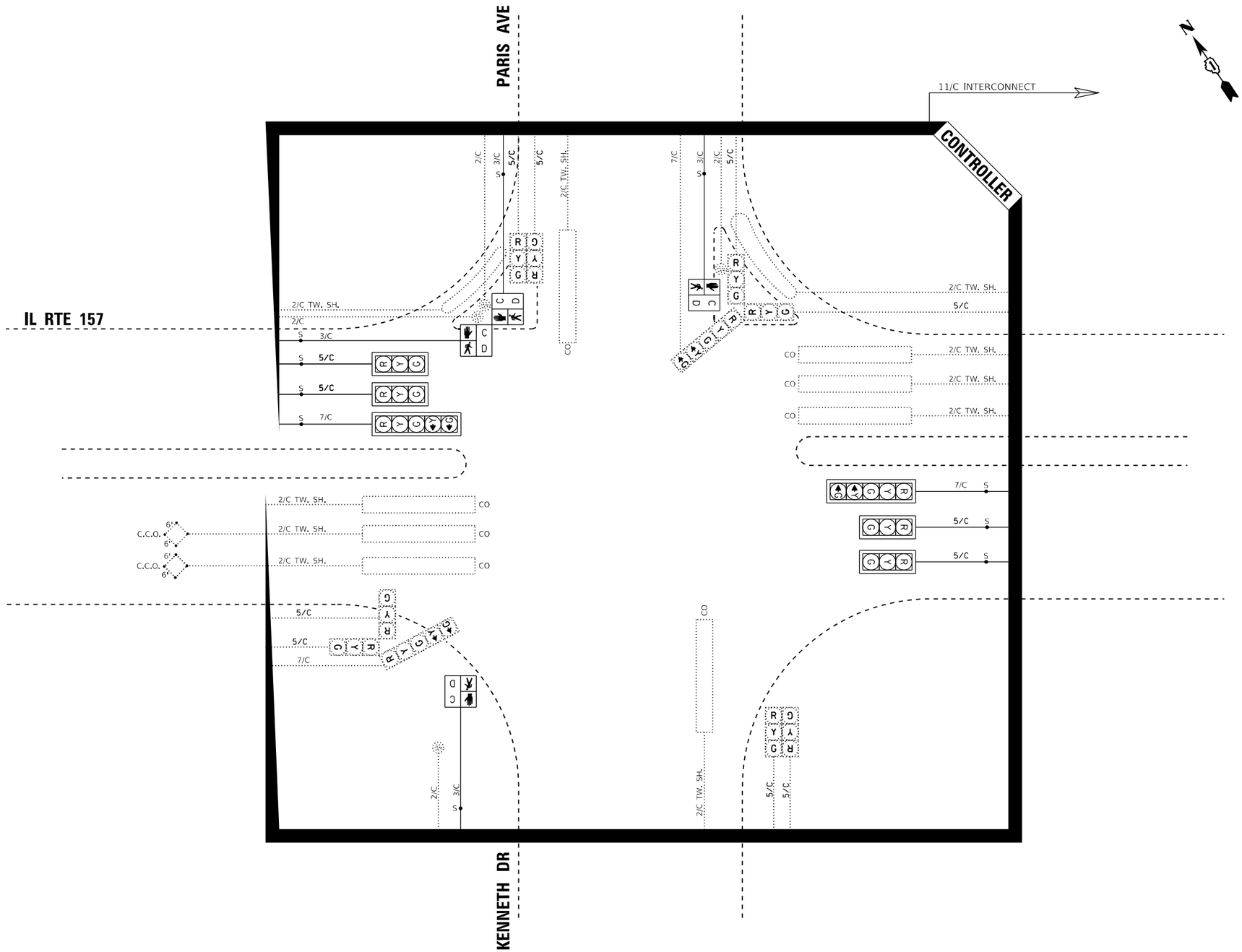
SCALE:1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	11
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-ts05.dgn

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



GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.(773)774-5900	USER NAME = brice	DESIGNED – AV	REVISED –
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE DIAGRAM
IL ROUTE 157 & KENNETH DR /PARIS AVE (CAHOKIA, IL)

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	12
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-ts06.dgn

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY.
	NON-SPECIAL WASTE DISPOSAL	CU YD	68
	SPECIAL WASTE GROUNDWATER DISPOSAL	GALLON	200
	SOIL DISPOSAL ANALYSYS	EACH	1
	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	0.2
	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	0.2
	REGULATED SUBSTANCES MONITORING	CAL DAY	2
	MOBILIZATION	L SUM	0.2
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	0.26
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.26
	RELOCATE SIGN PANEL - TYPE 1	SQ FT	30
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	235
*	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 5C	FOOT	1853
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	298
	TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	2
	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	1
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	80
	DRILL EXISTING HANDHOLE	EACH	7
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	13
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	9
*	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	13
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7

* SPECIALTY ITEM

UTILITIES

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	700 OAKWOOD AVENUE, MC AL 832, ALTON, IL 62002	GAS & ELECTRIC	YES	X	X
BP PIPELINES	800 SOUTH 6TH STREET, WOOD RIVER, IL 62095	GAS	YES		X
AT&T ILLINOIS	160 WEST DIVISION STREET, MARYVILLE, IL 62062	COMMUNICATIONS	YES	X	X
CHARTER/SPECTRUM COMMUNICATIONS	210 WEST DIVISION STREET, MARYVILLE, IL 62062	CABLE TV	YES	X	X
MOGAS PIPELINE LLC	329 JOSEPHVILLE ROAD, WENTZVILLE, MO 63385	PIPELINE	YES		X
ENABLE MISSISSIPPI RIVER GAS TRANSMISSION	907 NORTH BLUFF ROAD, SUITE 7, COLLINSVILLE, IL 62234	PIPELINE	YES		X
WOOD RIVER DRAINAGE & LEVEE DISTRICT	543 WEST MADISON AVENUE, WOOD RIVER, IL 62095	STORM SEWER	YES		X
CITY OF WOOD RIVER	111 NORTH WOOD RIVER AVENUE, WOOD RIVER, IL 62095	SEWER/WATER	YES		X

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-ts07.dgn

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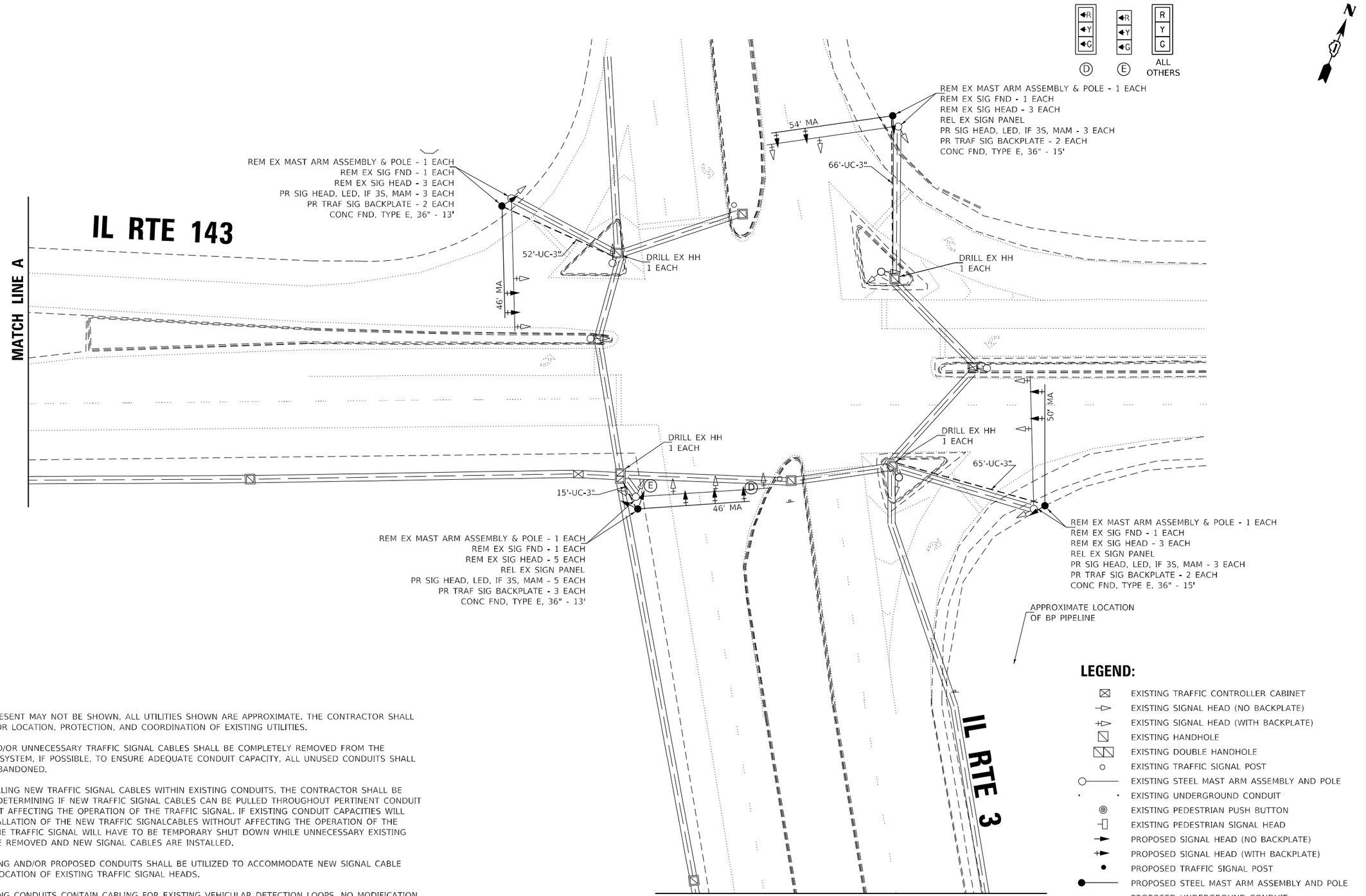
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND UTILITIES
IL ROUTE 3 & IL ROUTE 143 (WOOD RIVER, IL)

SCALE:N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	13
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. -	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 AND/OR PROPOSED CONDUITS SHALL BE UTILIZED TO ACCOMMODATE NEW SIGNAL CABLE REQUIRED FOR RELOCATION OF EXISTING TRAFFIC SIGNAL HEADS.

5. 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

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PLOT DATE = 3/15/2022	DATE - 2/11/2022	REVISED -	

1" = 20'

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 3 & IL ROUTE 143 (WOOD RIVER, IL)

SCALE: 1"= 20' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	14
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

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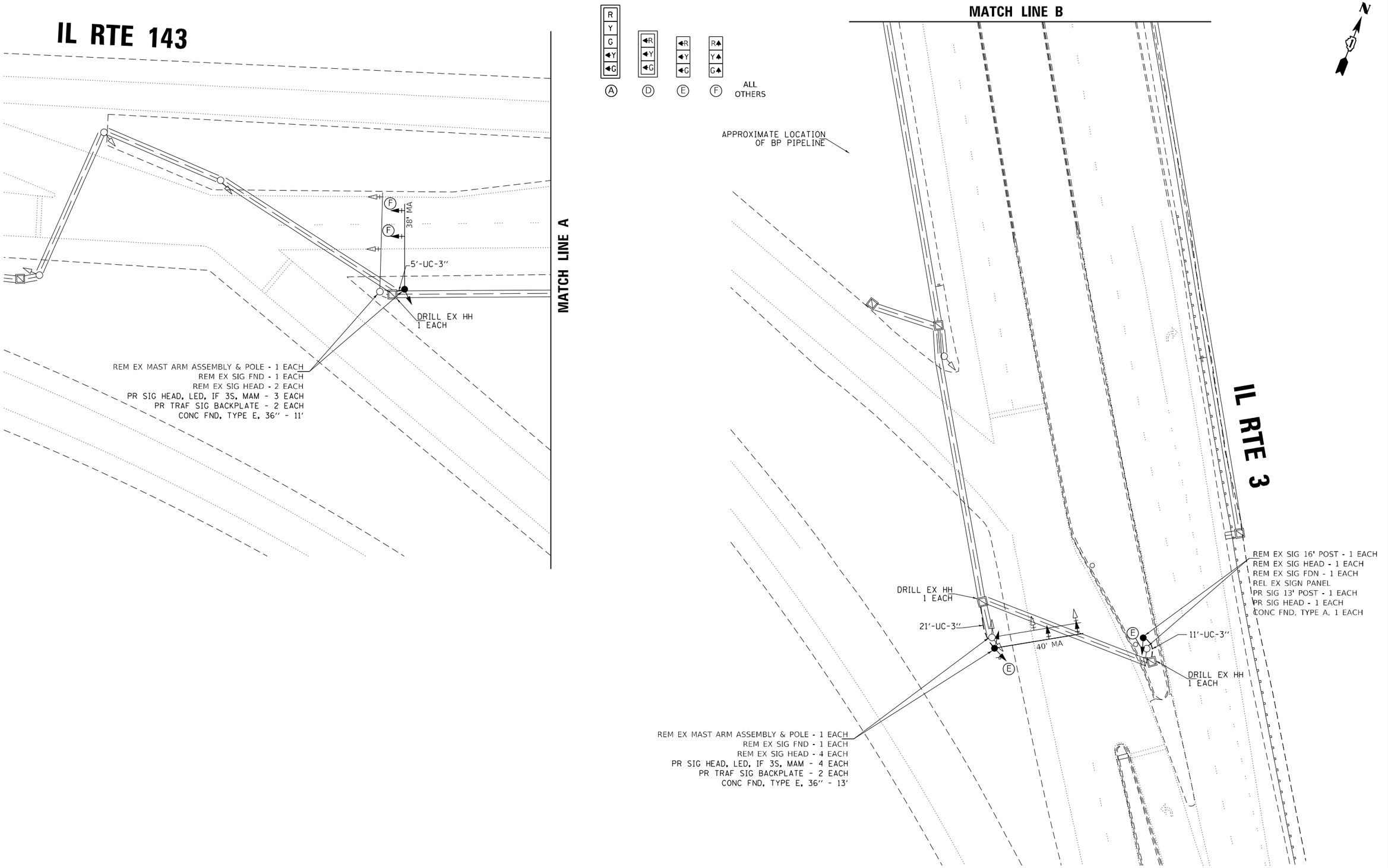

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GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

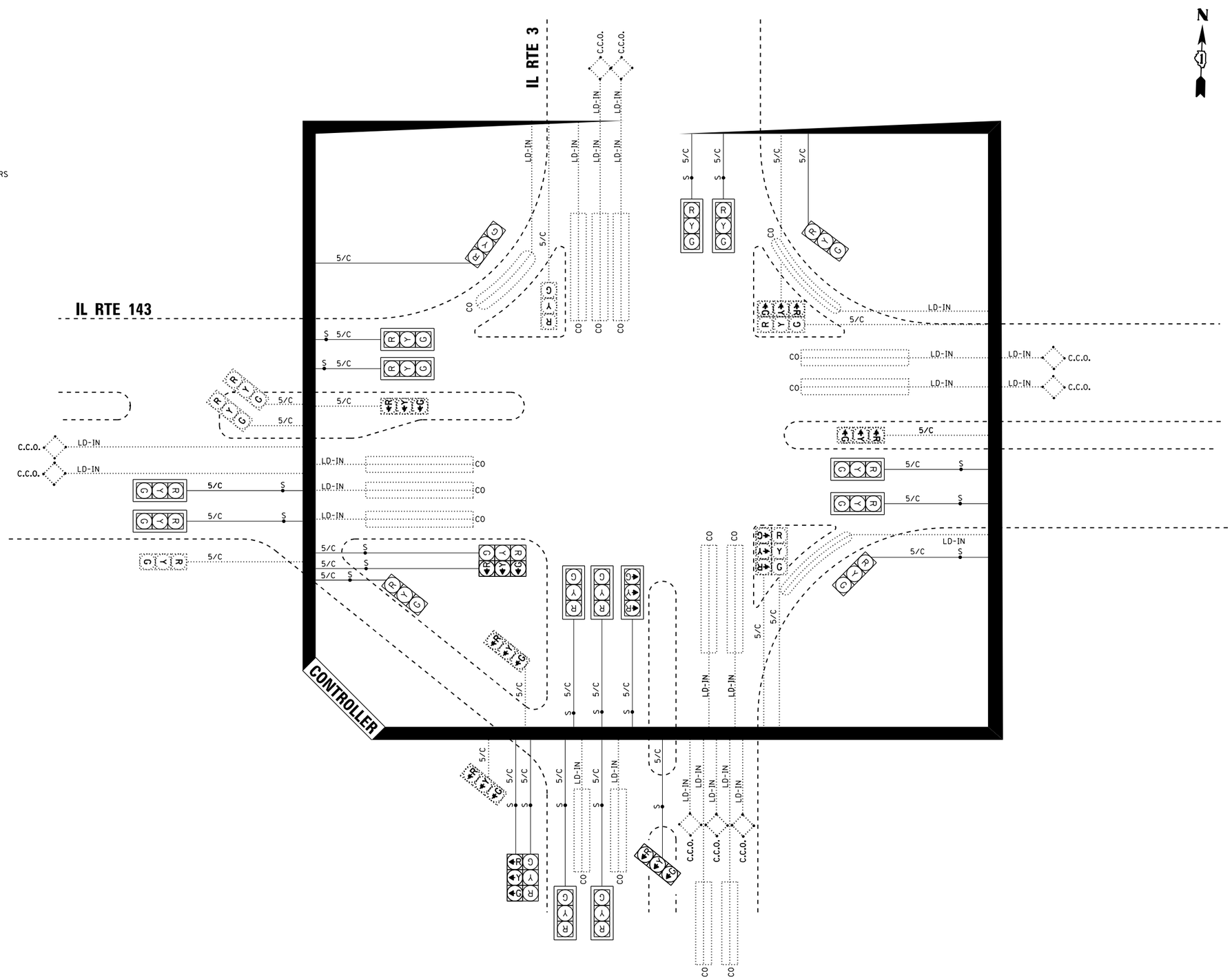
TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 3 & IL ROUTE 143 (WOOD RIVER, IL)

SCALE: 1"= 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	15
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. –	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



GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.(773)774-5900	USER NAME = brice	DESIGNED – AV	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE DIAGRAM IL ROUTE 3–111 & IL ROUTE 143 (WOOD RIVER, IL)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN – EA, AV, BR	REVISED –			VAR	(202.1.121)TS-1	MADISON/ST. CLAIR	37	16
	PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –						CONTRACT NO. 76P94	
	PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD_Sheets\D876P94-sht-ts10.dgn

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY.
	NON-SPECIAL WASTE DISPOSAL	CU YD	68
	SOIL DISPOSAL ANALYSYS	EACH	1
	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	0.2
	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	0.2
	REGULATED SUBSTANCES MONITORING	CAL DAY	2
	MOBILIZATION	L SUM	0.2
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	0.26
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.26
	RELOCATE SIGN PANEL - TYPE 1	SQ FT	23.5
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	154
*	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 5C	FOOT	1484
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 7C	FOOT	262
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	226
	TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	2
	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, 54 FT.	EACH	3
	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	2
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	67
	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
	DRILL EXISTING HANDHOLE	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	16
	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	3
	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	19
*	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6

* SPECIALTY ITEM

UTILITIES

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	700 OAKWOOD AVENUE, MC AL 832, ALTON, IL 62002	GAS & ELECTRIC	YES	X	X
CITY OF ALTON	2 EMMA KAUS LANE, ALTON, IL 62002	SEWER	YES		X
AT&T ILLINOIS	213 EAST 3RD STREET, 2ND FLOOR, ALTON, IL 62002	COMMUNICATIONS	YES	X	X
CHARTER/SPECTRUM COMMUNICATIONS	210 WEST DIVISION STREET, MARYVILLE, IL 62062	CABLE TV	YES	X	X
IL AMERICAN WATER-ALTON WATER/SANITARY	4436 INDUSTRIAL DRIVE, P.O. BOX 186, ALTON, IL 62002	SEWER/WATER	YES		X

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.:773)774-5900

USER NAME = brice	DESIGNED - AV	REVISED -	
	DRAWN - EA, AV, BR	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = 3/15/2022	DATE - 2/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND UTILITIES
HOMER ADAMS PKWY (IL 3) & COLLEGE AVE IL (140)_ALTON, IL

SCALE:N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	17
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

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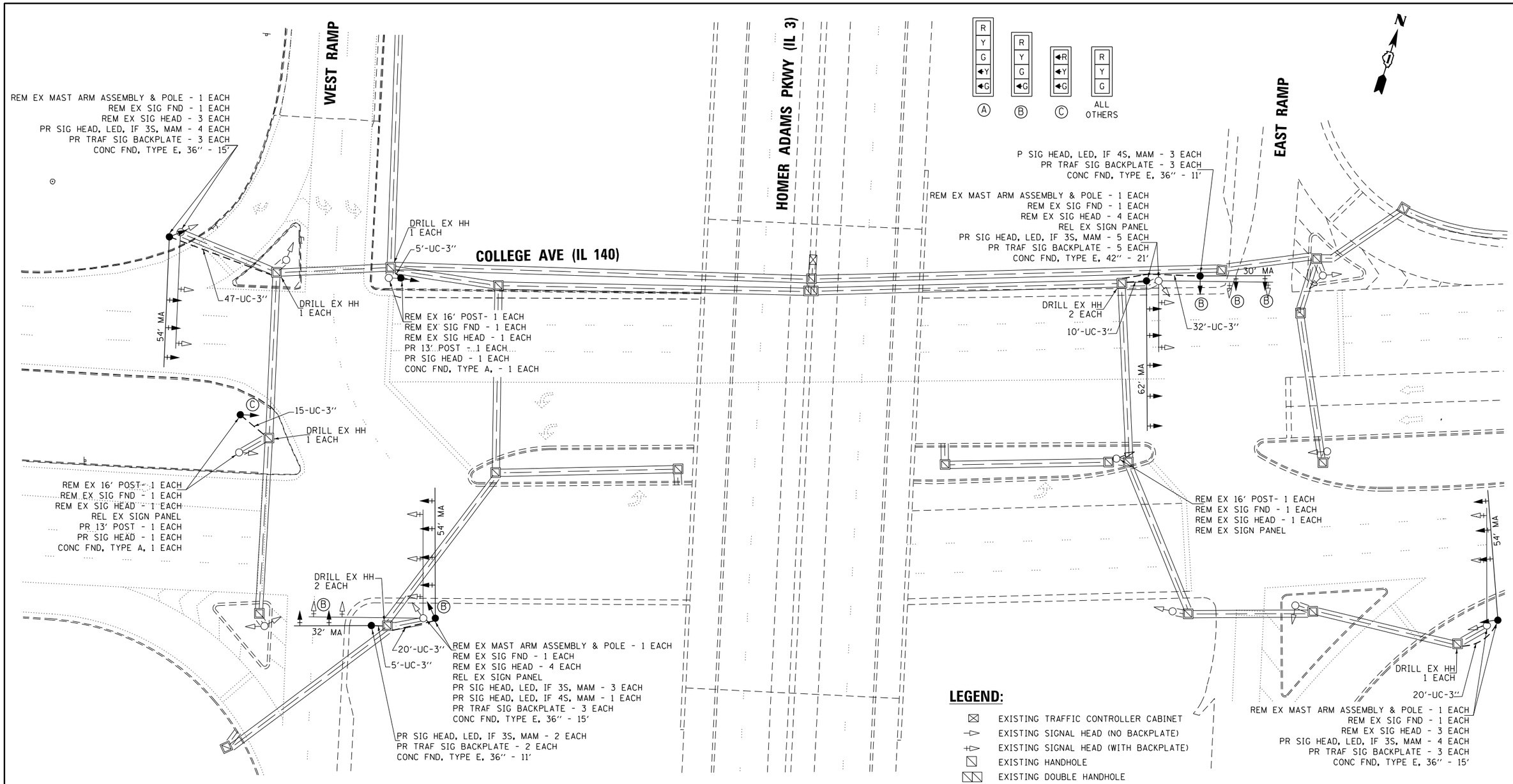


LEGEND:

- 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

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 AND/OR PROPOSED CONDUITS SHALL BE UTILIZED TO ACCOMMODATE NEW SIGNAL CABLE REQUIRED FOR RELOCATION OF EXISTING TRAFFIC SIGNAL HEADS.

5. 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.

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL: (773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
HOMER ADAMS PKWY (IL 3) & COLLEGE AVE IL (140)_ALTON, IL

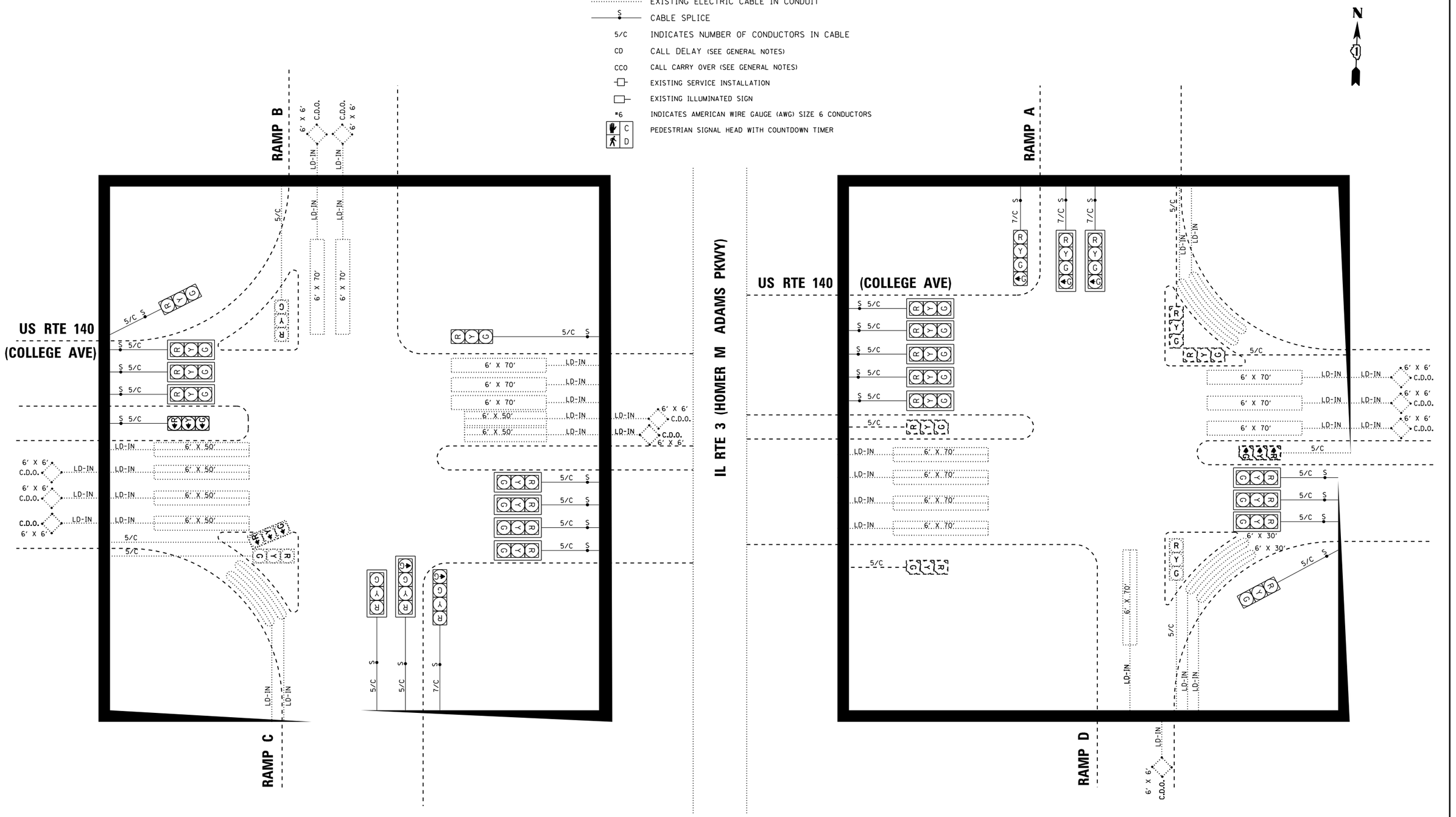
SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	18
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD_Sheets\D76P94-sht-tsl2.dgn

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



GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.(773)774-5900	USER NAME = brice	DESIGNED – AV	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE DIAGRAM IL ROUTE 3–111 & IL ROUTE 140 (ALTON, IL)
		DRAWN – EA, AV, BR	REVISED –		
	PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –		
	PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	19
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-tsl3.dgn

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY.
	NON-SPECIAL WASTE DISPOSAL	CU YD	68
	SOIL DISPOSAL ANALYSYS	EACH	0
	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	0.2
	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	0.2
	REGULATED SUBSTANCES MONITORING	CAL DAY	2
	MOBILIZATION	L SUM	0.2
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	0.16
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.16
	RELOCATE SIGN PANEL - TYPE 1	SQ FT	12.5
	RELOCATE SIGN PANEL - TYPE 2	SQ FT	40
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	140
*	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	739
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	264
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	215
	TRAFFIC SIGNAL POST, ALUMINUM 13 FT.	EACH	3
	STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	3
	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35
	DRILL EXISTING HANDHOLE	EACH	7
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
	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
	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	10
*	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7

UTILITIES

COMPANY	ADDRESS	TYPE	MEMBER JULIE	AERIAL	BURIED
AMEREN ILLINOIS	700 OAKWOOD AVENUE, MC AL 832, ALTON, IL 62002	GAS & ELECTRIC	YES	X	X
CITY OF ALTON	2 EMMA KAUS LANE, ALTON, IL 62002	SEWER	YES		X
AT&T ILLINOIS	213 EAST 3RD STREET, 2ND FLOOR, ALTON, IL 62002	COMMUNICATIONS	YES	X	X
CHARTER/SPECTRUM COMMUNICATIONS	210 WEST DIVISION STREET, MARYVILLE, IL 62062	CABLE TV	YES	X	X
EVERSTREAM GLC HOLDING CO LLC	1228 EUCLID AVENUE, SUITE 250, CLEVELAND, OH 44115	COMMUNICATIONS	YES	X	X
IL AMERICAN WATER-ALTON WATER/SANITARY	4436 INDUSTRIAL DRIVE, P.O. BOX 186, ALTON, IL 62002	SEWER/WATER	YES		X

* SPECIALTY ITEM

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.:773)774-5900

USER NAME = brice	DESIGNED - AV	REVISED -	
	DRAWN - EA, AV, BR	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = 3/15/2022	DATE - 2/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND UTILITIES
IL ROUTE 3 & BLOOMER DR (ALTON, IL)

SCALE:N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	20
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-ts14.dgn

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.

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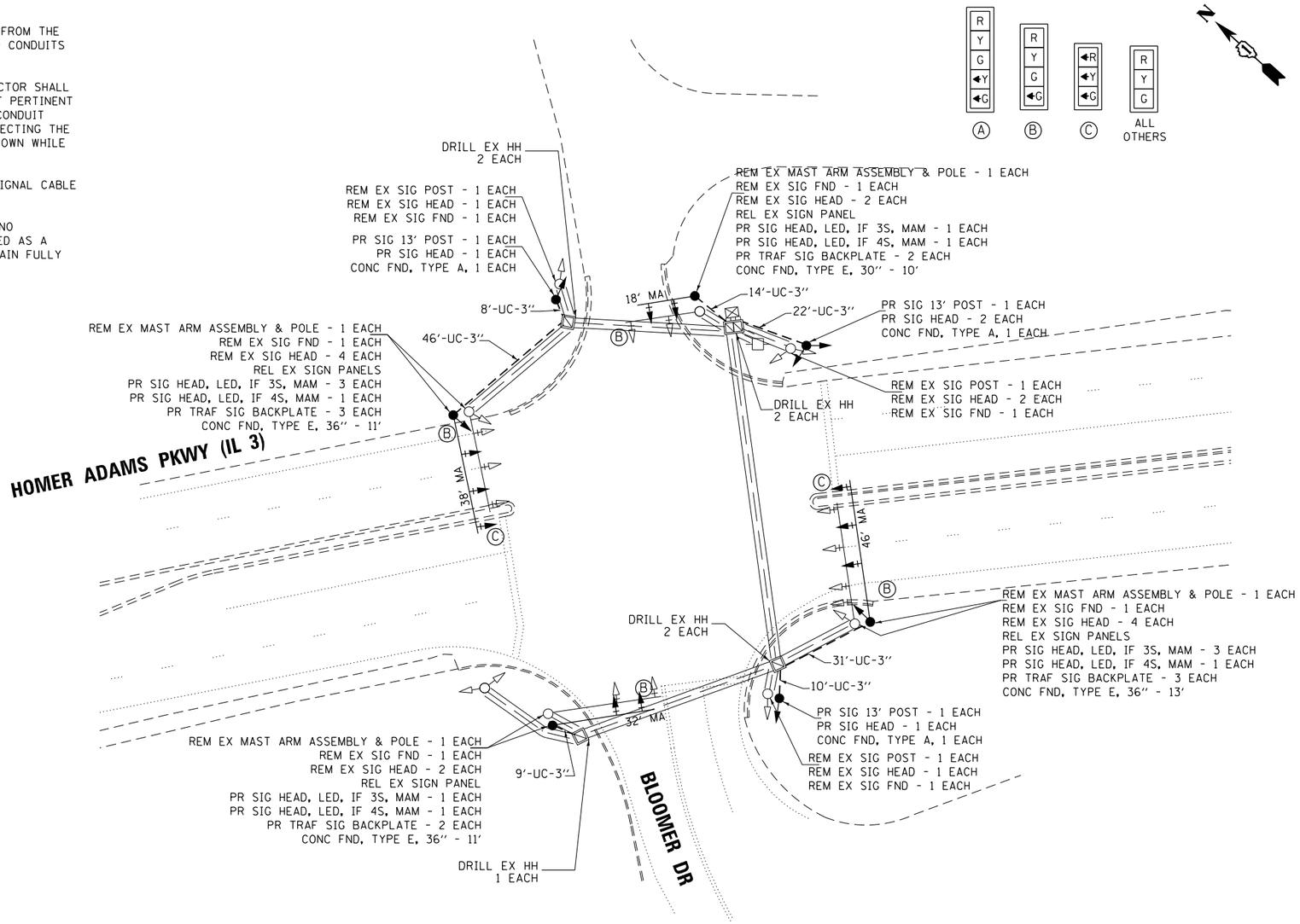
5. DENOTED EXISTING CONDUITS CONTAIN CABLING FOR EXISTING VEHICULAR DETECTION LOOPS, NO MODIFICATION TO THE EXISTING STOP BAR AND/OR ADVANCED DETECTION LOOPS ARE ANTICIPATED AS A PART OF THIS PROJECT. THE CONTRACTOR SHALL ENSURE ALL VEHICULAR DETECTION LOOPS REMAIN FULLY OPERATION AT ALL TIMES.



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

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
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PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 3 & BLOOMER DR (ALTON, IL)

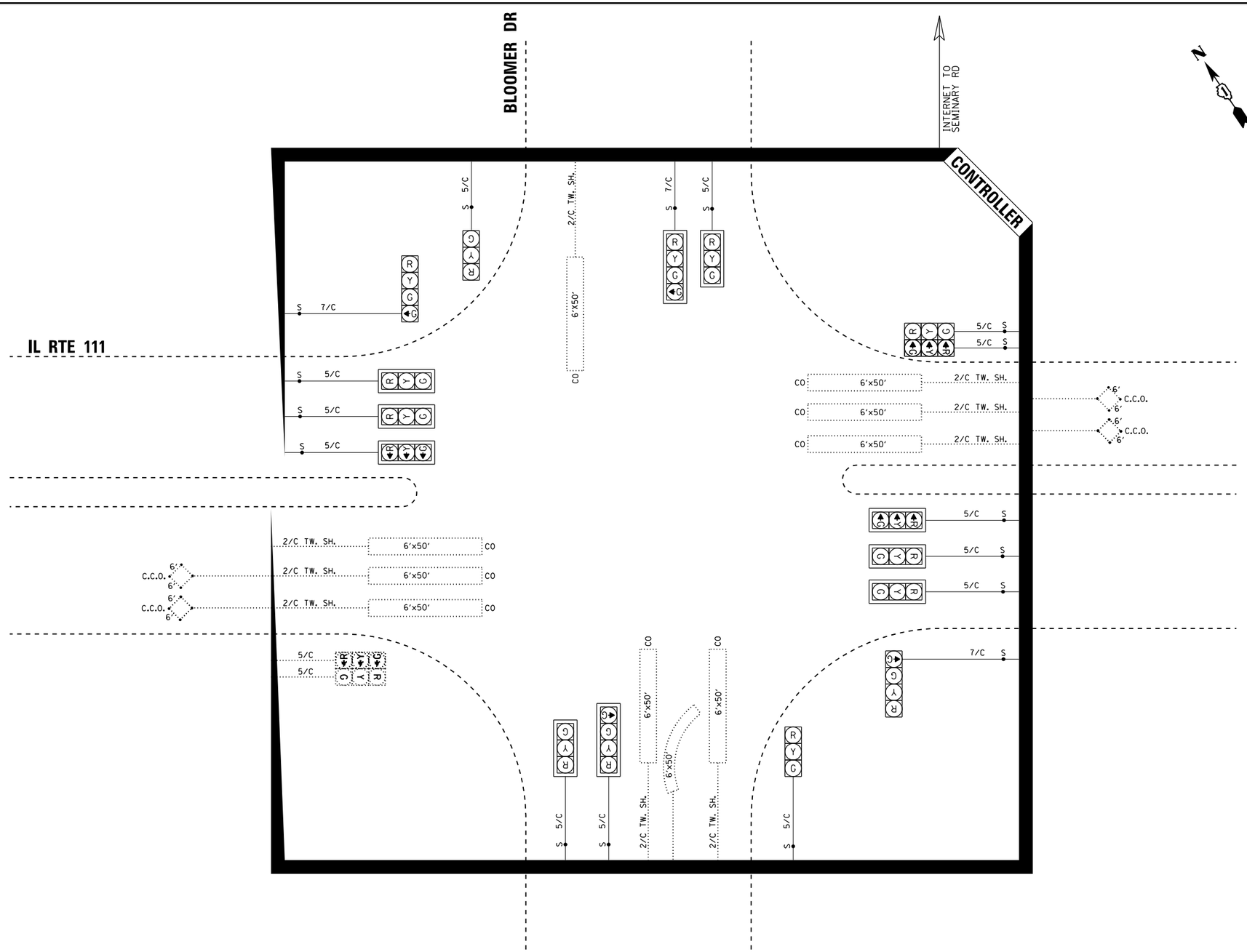
SCALE:1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	21
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-ts15.dgn

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



GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.:773)774-5900	USER NAME = brice	DESIGNED – AV	REVISED –
		DRAWN – EA, AV, BR	REVISED –
	PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –
	PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

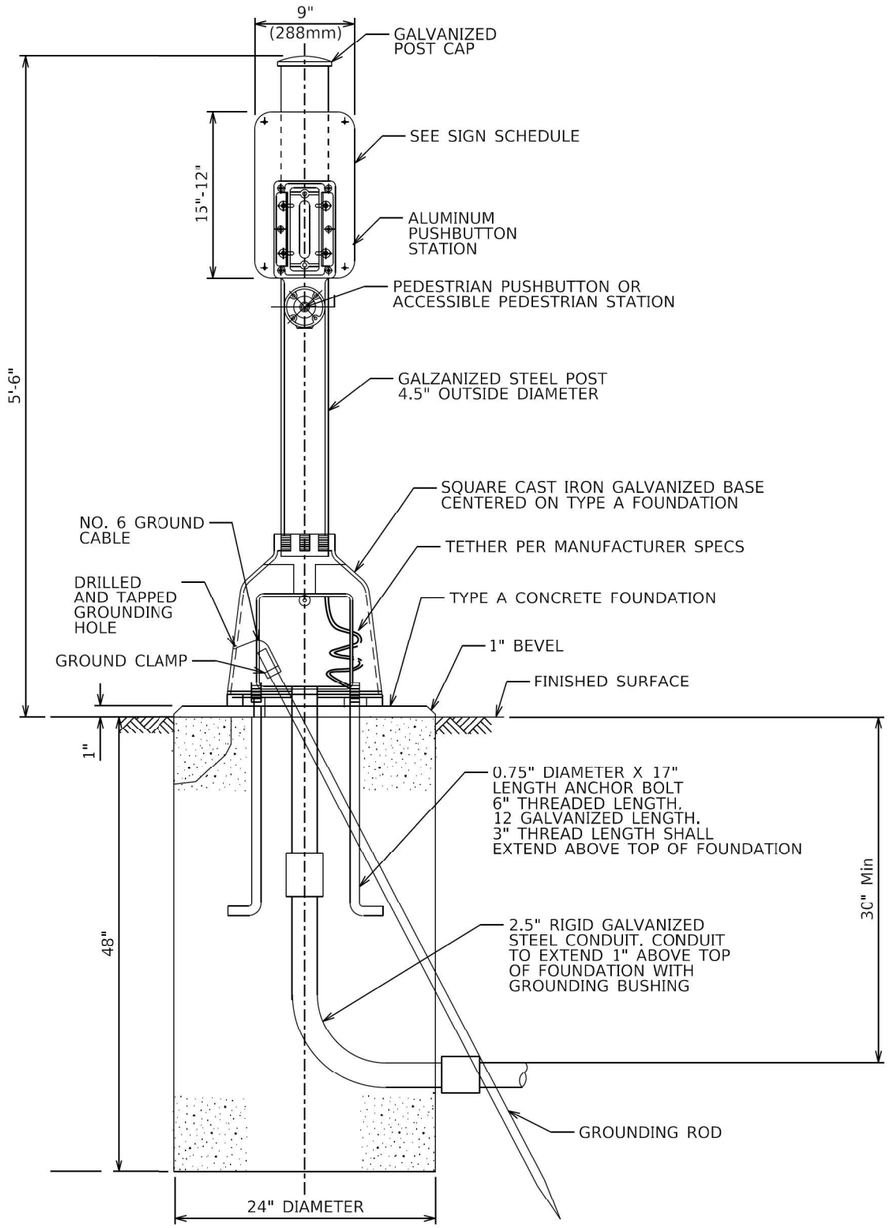
CABLE DIAGRAM
IL ROUTE 3–111 & BLOOMER DR (ALTON, IL)

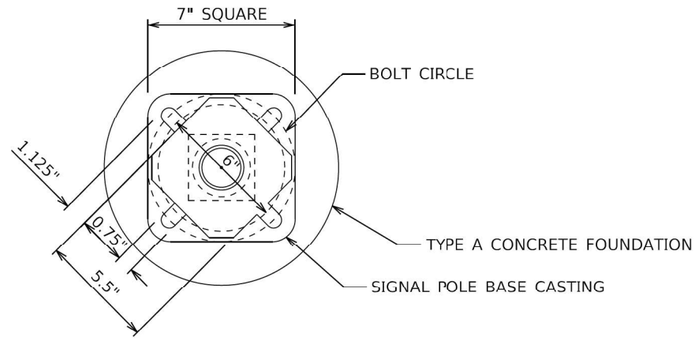
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	22
		CONTRACT NO. 76P94		

FED. ROAD DIST. NO. – | ILLINOIS | FED. AID PROJECT

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\076P94-sht-ts16.dgn





BOLT PATTERN

PEDESTRIAN PUSH–BUTTON POST

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-ts17.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	23
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

SW 1/4, NW 1/4, Section 12, T 1 N, R 10 W, 3rd P.M.

Illinois Department of Transportation

Bridge Foundation Boring Log

Sh. 1 of 1 Sh.

PROJECT _____ BRIDGE Traffic Signal Mast Arm Date 2-14-80

ROUTE FAI 270 Support Foundation Bored By J. King

SEC. 82-6-1 STA. Ill.157 & Camp Jackson Shopping Center Checked By R. Nebelsick

COUNTY St. Clair

Boring No. 1
Station 38+09
Offset 52' Lt. ℄

Surface Water El. _____
Groundwater El. at Completion _____
After _____ Hours _____

	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	411.3			
BROWN AND GRAY SILT	DAMP,MEDIUM	PP	0.75	-
409.3+	DAMP,STIFF	PP	1.5	21
BR. & GR. SILTY CLAY	DAMP,STIFF	PP	1.0	-
407.3+	DAMP,STIFF	PP	1.0	29
BROWN AND GRAY CLAYEY SILT	DAMP,STIFF	PP	1.0	-
403.3+	DAMP,STIFF	PP	1.0	30
	DAMP,MEDIUM	PP	0.75	-
	DAMP,MEDIUM	PP	-	23
BROWN SAND	DAMP,MEDIUM	PP	-	-
	DAMP,MEDIUM	PP	-	13
	DAMP,MEDIUM	PP	-	-
399.3	DAMP,MEDIUM	PP	-	6
END OF BORING				

NOTE: Hand Auger Boring

PP = Pocket Penetrometer

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 127 (Rev. 4-78)

SW 1/4, NW 1/4, Section 12, T 1 N, R 10 W, 3rd P.M.

Illinois Department of Transportation

Bridge Foundation Boring Log

Sh. 1 of 1 Sh.

PROJECT _____ BRIDGE Traffic Signal Mast Arm Date 2-14-80

ROUTE FAI 270 Support Foundation Bored By D. Juengling

SEC. 82-6-1 STA. Ill.157 & Camp Jackson Shopping Center Checked By R. Nebelsick

COUNTY St. Clair

Boring No. 2
Station 39+45
Offset 58' Lt. ℄

Surface Water El. _____
Groundwater El. at Completion _____
After _____ Hours _____

	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	410.9			
BRN.ROCKY SILT	DAMP	PP	NC	-
408.9+	DAMP	PP	NC	18
GRAY SILT	DAMP	PP	NC	-
406.9+	DAMP	PP	NC	17
DK.GRAY CLAYEY SILT	DAMP	PP	1.0	-
404.9+	DAMP	PP	1.3	25
DK.BROWN CLAYEY SILT	DAMP	PP	2.5	-
402.9+	DAMP	PP	2.0	35
GR.MOT.W/BRN. SILTY CLAY	DAMP	PP	2.5	-
400.9+	DAMP	PP	1.5	29
GRAY CLAYEY SILT	DAMP	PP	1.0	-
398.2	DAMP	PP	1.2	31
END OF BORING				

NOTE: Hand Auger Boring

PP = Pocket Penetrometer

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 127 (Rev. 4-78)

SW 1/4, NW 1/4, Section 12, T 1 N, R 10 W, 3rd P.M.

Illinois Department of Transportation

Bridge Foundation Boring Log

Sh. 1 of 1 Sh.

PROJECT _____ BRIDGE Traffic Signal Mast Arm Date 2-14-80

ROUTE FAI 270 Support Foundation Bored By D. Juengling

SEC. 82-6-1 STA. Ill.157 & Camp Jackson Shopping Center Checked By R. Nebelsick

COUNTY St. Clair

Boring No. 3
Station 39+26
Offset 50' Rt. ℄

Surface Water El. _____
Groundwater El. at Completion _____
After _____ Hours _____

	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	410.4			
BR.SILT	409.4 DAMP	PP	1.0	-
BR.CL. SILT	408.4 DAMP	PP	1.0	19
BR.CL.SILT	407.4 DAMP	PP	0.8	-
BR.SI.CLAY	406.4 DAMP	PP	2.0	22
BROWN SILTY CLAY	DAMP	PP	2.0	-
	404.4 DAMP	PP	2.0	26
GR.MOT.W/BRN. SI.CLAY	403.3 DAMP	PP	2.2	-
GR.MOT.W/BRN. CL.SILT	402.4 DAMP	PP	1.5	27
GRAY CLAYEY SILT	401.4 DAMP	PP	0.5	-
GRAY SILT	DAMP	PP	0.5	24
	VERY DAMP	PP	1.0	-
	398.4 VERY DAMP	PP	0.8	26
END OF BORING				

NOTE: Hand Auger Boring

PP = Pocket Penetrometer

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 127 (Rev. 4-78)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-snt-soil01.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.:773)774-5900

USER NAME = brice	DESIGNED - AV	REVISED -	
	DRAWN - EA, AV, BR	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = 3/15/2022	DATE - 2/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	24
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

SW 1/4, NW 1/4, Section 12, T 1 N, R 10 W, 3rd P.M.

Illinois Department of Transportation

Bridge Foundation Boring Log

Sh. 1 of 1 Sh.

PROJECT _____ BRIDGE Traffic Signal Mast Arm Date 2-14-80

ROUTE FAI 270 Support Foundation Bored By J. King

SEC. 82-6-1 STA. Ill. 157 & Camp Jackson Shopping Center Checked By R. Nebelsick

COUNTY St. Clair

Boring No. 4
Station 38+46
Offset 51' Rt. ℄

Surface Water El. _____
Groundwater El. at Completion _____
After _____ Hours _____

	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	410.6	0		
	DAMP,STIFF	PP	1.5	-
BROWN AND GRAY SILTY CLAY	DAMP,V.STIFF	PP	2.0	17
	DAMP,V.STIFF	PP	2.5	-
406.6+	DAMP,V.STIFF	PP	2.0	19
	DAMP,STIFF -5	PP	1.5	-
	DAMP,STIFF	PP	1.0	19
BROWN AND GRAY SILTY CLAY	DAMP,STIFF	PP	1.0	-
	DAMP,STIFF	PP	1.0	21
	DAMP,STIFF	PP	1.0	-
	DAMP,STIFF -10	PP	1.0	27
	DAMP,STIFF	PP	1.0	-
398.6	DAMP,STIFF	PP	1.0	31
END OF BORING				
NOTE: Hand Auger Boring				
PP = Pocket Penetrometer				

-15 -20 -25 -30 -35 -40 -45

N-Standard Penetration Test- Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BB 127 (Rev. 4-78)

SE 1/4, NE 1/4, Section 11, T 1 N, R 10 W, 3rd P.M.

Illinois Department of Transportation

Bridge Foundation Boring Log

Sh. 1 of 1 Sh.

PROJECT _____ BRIDGE Traffic Signal Mast Arm Date 2-15-80

ROUTE FAI 270 Support Foundations Bored By J. King

SEC. 82-6-1 STA. Ill. 157 & Access Rd. 3 Checked By R. Nebelsick

COUNTY St. Clair

Boring No. 1
Station 30+13
Offset 21' N.Edge Pavement

Surface Water El. _____
Groundwater El. at Completion _____
After _____ Hours _____

	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	408.2	0		
BROWN AND GRAY SILTY CLAY	DAMP,V.STIFF	PP	2.0	-
	DAMP,V.STIFF	PP	2.0	33
405.2+	DAMP,STIFF	PP	1.5	-
BR.& GR.SILT	DAMP,STIFF	PP	1.0	30
404.2+	DAMP,MEDIUM -5	-	NC	-
SILTY SAND	DAMP,MEDIUM	-	NC	13
401.2+	DAMP,MEDIUM	-	NC	-
BR.& GR.CL.SILT	DAMP,MEDIUM	PP	.50	22
400.2+	DAMP,MEDIUM	-	NC	-
BROWN FINE SAND	DAMP,MEDIUM -10	-	NC	11
	DAMP,MEDIUM	-	NC	-
396.2	DAMP,MEDIUM	-	NC	22
END OF BORING				
NOTE: Hand Auger Boring P.P. = Pocket Penetrometer				

-15 -20 -25 -30 -35 -40 -45

N-Standard Penetration Test- Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BB 127 (Rev. 4-78)

SE 1/4, NE 1/4, Section 11, T 1 N, R 10 W, 3rd P.M.

Illinois Department of Transportation

Bridge Foundation Boring Log

Sh.1 of 1 Sh.

PROJECT _____ BRIDGE Traffic Signal Mast Arm Date 2-15-80

ROUTE FAI 270 Support Foundations Bored By J. King

SEC. 82-6-1 STA. Ill.157 & Access Rd. 3 Checked By R. Nebelsick

COUNTY St. Clair

Boring No. 2
Station 31+27
Offset 8' S. Edge Pavement

Surface Water El. _____
Groundwater El. at Completion _____
After _____ Hours _____

	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	408.7	0		
	DAMP,V.STIFF	PP	2.0	-
BROWN AND GRAY SILTY CLAY	DAMP,V.STIFF	PP	2.5	22
	DAMP,V.STIFF	PP	2.5	-
	DAMP,V.STIFF	PP	2.0	29
403.7+	DAMP,V.STIFF -5	PP	1.5	-
	DAMP,MEDIUM	-	NC	9
	DAMP,MEDIUM	-	NC	-
SILTY SAND	DAMP,MEDIUM	-	NC	8
	DAMP,MEDIUM	-	NC	-
	DAMP,MEDIUM -10	-	NC	13
	DAMP,MEDIUM	-	NC	-
396.7	DAMP,MEDIUM	-	NC	22
END OF BORING				
NOTE: Hand Auger Boring P.P. = Pocket Penetrometer				

-15 -20 -25 -30 -35 -40 -45

N-Standard Penetration Test- Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BB 127 (Rev. 4-78)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD\Sheets\D876P94-sht-soil02.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED - AV	REVISED -	
	DRAWN - EA, AV, BR	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = 3/15/2022	DATE - 2/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	25
			CONTRACT NO. 76P94	

FED. ROAD DIST. NO. - | ILLINOIS | FED. AID PROJECT

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 2/17/16

ROUTE Various DESCRIPTION IL 143 EB at IL 3 LOGGED BY J. Watson (TSi)

SECTION Dist 8 OVD SIN STR REPL 16-18 LOCATION , SEC. 29, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. ST 1 Left Support
Station
Offset
Ground Surface Elev. ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft ▼
Upon Completion Not Taken ft
After Hrs. Not Taken ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown (Medium Stiff, Moist) Silty Clay LOAM with Trace Limestone Pieces (Fill) A-6(9) See Class @ 1.5 ft	3		
	3 4	1.5	20
	3		
-5	3 3	2.8	18
Brown (Loose, Moist) SAND (Fill) See Gradation @ 6.5 ft	2		
	1 2	NC	24
Brown and Gray (Stiff, Moist) CLAY (Fill)	3		
Brown and Gray (Medium Stiff, Moist) Silty Clay LOAM -10	4 5	2.9 B	24
Gray (Stiff, Moist) CLAY	4		
	5 8	2.3 B	28
	4		
-15	9 9	4.6 B	29
Medium Stiff	3		
	3 5	2.6 S	20
	2		
Gray and Brown, Soft, Wet -20	3 2	1.6 S	32

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray (Stiff, Moist) CLAY *(continued)*	2		
Gray	2 2	1.4 B	28
	1		
Brown -25	2 2	1.4 S	40
	WH		
Gray	2 2	0.9 B	62
▼	WH		
-30	2 2	1.3 B	55
	1		
Gray and Brown, Stiff, Moist	5 8	0.9 S	47
	2		
Clay, Soft -35	2 4	0.8 B	43
Gray (Loose, Wet) SAND See Gradation @ 36.5 ft	WH		
	3 3	NC	18
	9		
END OF BORING -40	10 12	NR	--

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 2/17/16

ROUTE Various DESCRIPTION IL 143 EB at IL 3 LOGGED BY J. Watson (TSi)

SECTION Dist 8 OVD SIN STR REPL 16-18 LOCATION , SEC. 29, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. ST 1 Left Support
Station
Offset
Ground Surface Elev. ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft ▼
Upon Completion Not Taken ft
After Hrs. Not Taken ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
End of Boring -45 -50 -55 -60			

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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493.WORKORDER.1\CAD_Sheets\0876P94-sht-soil03.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.:773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202.1,121)TS-1	MADISON/ST. CLAIR	37	26
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 2/17/16

ROUTE Various DESCRIPTION IL 143 EB at IL 3 LOGGED BY J. Watson (TSi)

SECTION Dist 8 OVD SIN STR REPL 16-18 LOCATION , SEC. 29, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. ST 2 Right Support
Station
Offset
Ground Surface Elev. ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft ▼
Upon Completion Not Taken ft
After Hrs. Not Taken ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt (10") & Gravel Base (2")			
	4		
Gray (Stiff, Dry) Silty Clay LOAM A-6(7) See Class @ 1.5 ft	5 5	3.7 B	20
	3		
-5	4 7	2.0 B	19
Brown (Soft, Moist) Silty Clay LOAM A-6(12) See Class @ 6.5 ft	2		
	3 3	1.1 B	28
Brown and Gray (Soft, Moist) CLAY with Trace Wood (Fill)	3		
-10	3 4	1.8 B	23
Gray (Stiff, Moist) Silty Clay LOAM	3		
	6 6	1.4 B	23
Gray (Soft, Moist) CLAY	2		
-15	2 3	1.4 S	36
	2		
	2 3	0.9 B	44
Brown	2		
-20	2 2	0.4 B	31
Gray (Soft, Moist) CLAY (continued) Gray and Brown, Some Organics	1		
	2 2	1.2 B	43
	1		
▼-25	1 2	0.5 B	48
Gray (Very Soft, Wet) SILT	WH		
	WH 1	0.5 B	49
Gray (Stiff, Moist) CLAY	2		
-30	5 9	0.8 B	38
Brown and Gray (Dense, Wet) Sandy Clay LOAM			
Gray (Medium Dense, Wet) SAND See Gradation @ 31.5 ft	2		
	2 2	NC	28
	7		
-35	11 12	NR	--
	6		
-40 END OF BORING	7 10	NC	--

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 2/17/16

ROUTE Various DESCRIPTION IL 143 EB at IL 3 LOGGED BY J. Watson (TSi)

SECTION Dist 8 OVD SIN STR REPL 16-18 LOCATION , SEC. 29, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. ST 2 Right Support
Station
Offset
Ground Surface Elev. ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft ▼
Upon Completion Not Taken ft
After Hrs. Not Taken ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
End of Boring			
-45			
-50			
-55			
-60			

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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493,WORKORDER.1\CAD_Sheets\D876P94-sht-soil04.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL:(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –
	DRAWN – EA, AV, BR	REVISED –
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	27
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/15/95

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3/111 at Alby Street in Alton LOGGED BY L. Ford

SECTION 1RS LOCATION SE 1/4, SE 1/4, SEC. 35, TWP. 6N, RNG. 10W, 3rd PM,
Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. #1 NW Quad
Station 135+90
Offset 71.0 ft Left
Ground Surface Elev. 640.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 626.0 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray and Brown Silty CLAY with some Limestone Gravel (Fill)			
	9		
	11	2.3	14
	13	S/5	
-5	2		
	5	2.4	25
	7	S/10	
633.50			
Greenish Gray Very Silty CLAY	3		
	4	1.2	27
	5	S/20	
-10	1		
	2	0.7	31
	2	S/2	
628.50			
Brown Very Silty CLAY	2		
	3	1.0	26
	4	S/15	
▽			
-15	3		
	4	1.8	25
624.00	5	B	
END OF BORING End of Boring			
-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/10/95

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3/111 at Godfrey Road in Godfrey LOGGED BY L. Ford

SECTION 1RS LOCATION SE 1/4, SE 1/4, SEC. 35, TWP. 6N, RNG. 10W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD Hand Auger HAMMER TYPE DCP

STRUCT. NO. N/A
Station N/A

BORING NO. #1 SW Quad
Station 6+92
Offset 54.0 ft Left
Ground Surface Elev. 629.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 619.8 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
		1.9	25
Brown Silty CLAY			
	5	1.0	27
627.80			
Gray and Brown Silty Clay LOAM		0.9	28
	7	1.0	28
		0.5	27
-5			
	6	0.9	26
		0.3	33
	7	0.3	29
		0.3	27
		0.5	28
619.80 ▽ -10	6		
		1.1	27
Brown Silty CLAY		1.5	28
		2.0	26
616.80			
END OF HAND AUGER **Pocket Penetrometer used for Qu** **Due to inaccessability or buried utilities, Hand Augers were used. "N" values shown are calibrated from a curve converting Dynamic Cone N to SPT "N". Reference ASTM STP 399** End of Boring			
-15			
-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/15/95

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3/111 at Alby Street in Alton LOGGED BY L. Ford

SECTION 1RS LOCATION SE 1/4, SE 1/4, SEC. 35, TWP. 6N, RNG. 10W, 3rd PM,
Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. #2 SW Quad
Station 135+75
Offset 142.0 ft Right
Ground Surface Elev. 639.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Very Silty CLAY with Construction Rubble, Brick, and Rock	3		
	5	0.4	21
	4	S/5	
635.20			
Brown Silty CLAY	2		
-5	4	1.9	26
	5	S/15	
	2		
	5	1.6	24
	6	S/15	
630.20			
Brown Very Silty CLAY	2		
-10	3	1.0	25
	5	B	
	2		
	4	0.9	25
	6	B	
625.20			
Gray Clayey SILT	2		
-15	6	1.8	24
623.20	8	S/20	
END OF BORING End of Boring			
-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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-soil05.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL:(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	28
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/15/95

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3/111 at Alby Street in Alton LOGGED BY L. Ford

SECTION 1RS LOCATION SE 1/4, SE 1/4, **SEC.** 35, **TWP.** 6N, **RNG.** 10W, 3rd **PM.**
Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. #3 NE Quad
Station 137+89
Offset 108.0 ft Left
Ground Surface Elev. 638.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 627.7 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY			
	3		
	5	1.7	27
	7	S/15	
-5	2		
	3	1.2	28
	5	B	
632.20			
Gray and Brown Very Silty CLAY			
	2		
	3	1.0	27
	4	B	
-10	1		
	2	0.8	27
▽	2	B	
	1		
	3	0.8	27
	3	B	
-15	1		
	3	1.4	26
	5	S/20	
	2		
	3	1.1	24
	5	S/20	
619.70			
Brown Clay LOAM			
-20	1		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Clay LOAM *(continued)*	3	0.9	23
617.70	3	S/15	
END OF BORING			
End of Boring			
-25			
-30			
-35			
-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/15/95

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3/111 at Alby Street in Alton LOGGED BY L. Ford

SECTION 1RS LOCATION SE 1/4, SE 1/4, **SEC.** 35, **TWP.** 6N, **RNG.** 10W, 3rd **PM.**
Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. #4 SE Quad
Station 138+05
Offset 61.0 ft Right
Ground Surface Elev. 636.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 622.5 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Very Silty CLAY			
	2		
	3	1.4	25
	3	S/10	
-5	1		
	3	0.9	28
	3	B	
	1		
	2	0.7	26
	3	S/20	
-10	1		
	4	1.3	25
	4	S/15	
	2		
	3	1.2	25
	4	B	
622.50 ▽			
Brown Clay LOAM			
-15	1		
	3	1.1	23
620.50	8	B	
END OF BORING			
End of Boring			
-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/11/95

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3/111 at Alton Square Mall Drive in Alton LOGGED BY L. Ford

SECTION 1RS LOCATION NW 1/4, SW 1/4, **SEC.** 1, **TWP.** 5N, **RNG.** 10W, 3rd **PM.**
Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. 1 NE Quad
Station 156+51
Offset 96.0 ft Left
Ground Surface Elev. ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Very Silty CLAY			
	1		
	3	1.0	25
	4	B	
-5	3		
Brown and Gray Clay LOAM			
	4	1.7	24
	7	S/15	
	2		
	4	2.0	23
▽	6	S/20	
-10	1		
	3	1.8	23
	5	B	
	2		
	5	2.4	21
	5	S/10	
-15	1		
	2	0.9	25
	4	S/15	
END OF BORING			
End of Boring			
-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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-soil06.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	29
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/11/95

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3/111 at Alton Square Mall Drive in Alton LOGGED BY L. Ford

SECTION 1RS LOCATION NW 1/4, SW 1/4, **SEC.** 1, **TWP.** 5N, **RNG.** 10W, 3rd **PM**, Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. 2 NW Quad
Station 154+86
Offset 76.0 ft Left
Ground Surface Elev. ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft ▽
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silt LOAM		1		
		4	1.2	24
		5	S/10	
	-5	2		
		3	1.1	23
		5	S/10	
Brown Clay LOAM		2		
		3	1.4	21
		4	S/15	
▽	-10	1		
		3	1.3	24
		5	S/10	
		1		
		2	0.6	25
		2	S/10	
	-15	2		
		4	1.8	16
		7	B	
END OF BORING End of Boring	-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/11/95

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3/111 at Alton Square Mall Drive in Alton LOGGED BY L. Ford

SECTION 1RS LOCATION NW 1/4, SW 1/4, **SEC.** 1, **TWP.** 5N, **RNG.** 10W, 3rd **PM**, Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. 3 SW Quad
Station 155+30
Offset 58.0 ft Right
Ground Surface Elev. ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft ▽
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Very Silty CLAY		2		
		3	1.2	24
		5	S/10	
	-5	2		
		4	1.4	23
		7	S/15	
Brown and Gray Clay LOAM		3		
		4	1.6	23
		6	S/15	
	-10	1		
		4	2.1	23
		5	S/15	
		2		
		5	2.3	21
		7	S/15	
▽	-15	3		
		5	2.6	19
		7	S/15	
END OF BORING End of Boring	-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/11/95

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3/111 at Alton Square Mall Drive in Alton LOGGED BY L. Ford

SECTION 1RS LOCATION NW 1/4, SW 1/4, **SEC.** 1, **TWP.** 5N, **RNG.** 10W, 3rd **PM**, Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. 4 SE Quad
Station 156+48
Offset 58.0 ft Right
Ground Surface Elev. ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Very Silty CLAY		2		
		2	1.0	20
		4	S/10	
	-5	2		
Brown and Gray Clay LOAM		5	2.6	24
		7	S/15	
		3		
		5	2.1	23
		8	S/20	
	-10	2		
		6	2.6	22
		9	S/15	
		3		
		5	2.3	23
		9	S/15	
	-15	2		
		4	2.1	21
		8	S/15	
END OF BORING End of Boring	-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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-soil07.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	30
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 789 **DESCRIPTION** Traffic Signals at IL 3/111 at Seminary Road in Alton **Date** 3/11/95

SECTION 1RS **LOCATION** SW 1/4, NE 1/4, **SEC.** 6, **TWP.** 5N, **RNG.** 9W, 3rd **PM**, **LOGGED BY** L. Ford

Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. 1 NE Quad
Station 236+05
Offset 67.0 ft Left
Ground Surface Elev. 507.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 501.2 ft ▽
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silt LOAM		4		
		9	1.5	20
		7	S/10	
	-5	1		
		3	0.9	23
		4	S/15	
501.20 ▽				
Gray and Brown Very Silty CLAY		1		
		2	0.4	29
		2	S/10	
	-10	2		
		4	1.0	26
		5	S/20	
496.20				
Brown and Gray Clay LOAM		2		
		6	1.6	20
		8	S/15	
	-15	2		
		6	2.6	19
491.70		8	S/10	
END OF BORING End of Boring				
	-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 789 **DESCRIPTION** Traffic Signals at IL 3/111 at Seminary Road in Alton **Date** 3/11/95

SECTION 1RS **LOCATION** SW 1/4, NE 1/4, **SEC.** 6, **TWP.** 5N, **RNG.** 9W, 3rd **PM**, **LOGGED BY** L. Ford

Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. 2 SW Quad
Station 234+55
Offset 65.0 ft Right
Ground Surface Elev. 514.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 495.6 ft ▽
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silt LOAM		7		
		11	2.2	19
	-5	11	G/10	
	-10	3		
		6	1.3	21
		9	S/10	
		2		
		5	1.2	20
500.60		7	S/20	
Brown Clay LOAM	-15	1		
		2	0.7	21
		3	B	
		3		
		5	1.0	23
▽		6	S/10	
	-20	1		

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	494.10	1		21
Brown LIMESTONE Shelf	493.60	50/2"	NC	
Brown SANDSTONE				
	492.10	50	NP	
END OF BORING End of Boring				
	-25			
	-30			
	-35			
	-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 789 **DESCRIPTION** Traffic Signals at IL 3/111 at Seminary Road in Alton **Date** 3/11/95

SECTION 1RS **LOCATION** SW 1/4, NE 1/4, **SEC.** 6, **TWP.** 5N, **RNG.** 9W, 3rd **PM**, **LOGGED BY** L. Ford

Latitude , Longitude

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

STRUCT. NO. N/A
Station N/A

BORING NO. 3 SE Quad
Station 235+68
Offset 53.0 ft Right
Ground Surface Elev. 507.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 496.3 ft ▽
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silt LOAM		1		
		2	0.9	27
		3	B	
503.80				
Brown Clay LOAM	-5	2		
		4	1.4	25
		4	S/20	
		1		
		4	1.2	23
		5	S/20	
	-10	2		
		3	1.0	23
▽		4	B	
		1		
		3	0.6	21
		3	S/15	
	-15	2		
		5	1.5	22
491.80		6	S/15	
END OF BORING End of Boring				
	-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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-soil08.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL:(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	31
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/25/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-A-Embank.
Station 74+00
Offset 80.0 ft Left
Ground Surface Elev. 482.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	12	3.9 S	18
-5			
	12	3.7 S	17
	14	2.6 S	14
-10			
	11	1.3 S	10
	14	1.3 S	9
-15			
	20	1.7 S	12
	16	1.6 S	15
-20			

Brown SILT

Brown SILT *(continued)*

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	12	1.2 S	21
	13	1.9 S	21
-25			
	9	1.5 S	20
	7	1.5 S	18
-30			
	9	1.0 S	18
	7	2.0 S	14
-35			
-40			

456.10

Brown and Gray Silty Clayey TILL

449.10

END OF BORING
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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/28/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-B-Embank.
Station 81+00
Offset 20.0 ft Left
Ground Surface Elev. 481.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	16	2.0 S	14
-5			
	20	1.7 S	12
	25	1.8 S	9
-10			
	17	1.6 S	11
	17	1.5 S	11
-15			
	15	1.9 S	15
	17	1.6 S	15
-20		2.0	16

Brown SILT

Brown SILT *(continued)*

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	15	S	
	15	2.0 S	16
-25			
	14	1.9 S	17
	6	0.5 S	17
-30			
	12	1.2 S	13
	23	3.3 S	11
-35			
	42	6.6 S	11
	31	5.1 S	9
-40			11

453.20

Brown and Gray Silty Clayey TILL

443.20

Brown and Gray Coarse Clay
Sand TILL

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/28/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-B-Embank.
Station 81+00
Offset 20.0 ft Left
Ground Surface Elev. 481.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	12	NC	
	9	2.2 S	18
-45			
	25	4.6 S	11
-50			
-55			
-60			

Brown and Gray Coarse Clay
Sand TILL *(continued)*

439.70

Brown and Gray Clay TILL

436.20

END OF BORING
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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493.WORKORDER.1\CAD.Sheets\D876P94-sht-soil01.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	32
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/28/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, **SEC.** 8, **TWP.** 5N, **RNG.** 9W, 3rd **PM**,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-C-Embank.
Station 82+00
Offset 50.0 ft Left
Ground Surface Elev. 482.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				Brown SILT
	9	1.2 S	15	
-5				
	15	2.0 S	9	
	22	1.0 S	11	
-10				
	13	1.2 S	9	
	18	1.5 S	9	
-15				
	12	1.6 S	16	
	16	1.9 S	15	
-20				
-25	12	2.5 S	15	Brown SILT *(continued)*
	13	2.3 S	16	
	11	2.0 S	16	
455.80				
	15	1.0 S	12	Brown Sandy Clay TILL
-30				
	5	1.2 S	18	
450.80				
	34	3.3 S	11	Brown and Gray Clay TILL
-35				
	36	4.8 S	11	
	25	5.7 S	9	
-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/28/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, **SEC.** 8, **TWP.** 5N, **RNG.** 9W, 3rd **PM**,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-C-Embank.
Station 82+00
Offset 50.0 ft Left
Ground Surface Elev. 482.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	28	5.6 S	9	Brown and Gray Clay TILL *(continued)*
440.30	50	3.9 S	9	
				Broken CHERT
438.30				
-45				
	32	5.8 S	13	Brown and Gray Clay TILL
436.80				
				END OF BORING End of Boring
-50				
-55				
-60				

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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD_Sheets\D876P94-sht-soil10.dgn

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.:773)774-5900	USER NAME = brice	DESIGNED – AV	REVISED –
		DRAWN – EA, AV, BR	REVISED –
	PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –
	PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	33
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/29/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, **SEC.** 8, **TWP.** 5N, **RNG.** 9W, 3rd **PM**,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-D-Embank.
Station 83+00
Offset 100.0 ft Left
Ground Surface Elev. 489.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILT				
		14	3.5 S	18
	-5			
		22	3.1 S	16
		17	2.3 S	13
	-10			
		21	1.8 S	11
		17	1.3 S	11
	-15			
		21	1.2 S	13
		18	1.2 S	15
	-20			
Brown SILT *(continued)*		18	2.0 S	18
	-25	18	1.9 S	18
		12	1.8 S	19
		12	1.9 S	17
460.20				
Brown and Gray Silty TILL	-30	11	0.8 B	19
		18	2.0 S	13
	-35	17	2.3 B	12
		39	1.9 S	12
	-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/29/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, **SEC.** 8, **TWP.** 5N, **RNG.** 9W, 3rd **PM**,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-D-Embank.
Station 83+00
Offset 100.0 ft Left
Ground Surface Elev. 489.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty TILL *(continued)*		30	5.5 S	13
447.70				
Gray Silty Clay TILL		18	3.3 B	10
	-45			
443.20		17	3.6 S	10
END OF BORING Note: Set Observation Well to Elevation 458 ft. after 14 days no water. End of Boring	-50			
	-55			
	-60			

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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER_1\CAD_Sheets\D876P94-sht-soill.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL:(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –
	DRAWN – EA, AV, BR	REVISED –
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	34
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 9/29/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-E-Embank.
Station 84+00
Offset 130.0 ft Left
Ground Surface Elev. 490.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILT			
	18	3.8 S	19
-5			
	17	3.5 S	16
	19	1.8 S	10
-10			
	18	1.6 S	11
	18	1.3 S	13
-15			
	20	1.2 S	14
	17	2.0 S	19
-20			
Brown SILT *(continued)*			
	19	2.1 S	20
-25			
	17	1.9 S	19
	11	1.6 S	19
-30			
	13	1.8 S	20
461.00			
Brown Silty TILL			
	11	2.1 S	20
-35			
	22	2.0 S	12
	33	4.3 S	11
-40			
	36	3.8 S	12

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 9/29/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-E-Embank.
Station 84+00
Offset 130.0 ft Left
Ground Surface Elev. 490.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty TILL *(continued)*			
	32	3.5 S	11
448.50			
Gray Silty Clay TILL			
	28	5.8 S	10
-45			
	24	5.5 S	10
444.00			
END OF BORING			
End of Boring			
-50			
-55			
-60			

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 9/25/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-Embank.
Station 72+00
Offset 110.0 ft Left
Ground Surface Elev. 471.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILT			
	11	2.7 S	20
-5			
	6	1.5 S	20
	13	1.5 S	9
-10			
	15	2.0 S	15
	14	1.2 S	18
-15			
	7	1.8 S	21
	11	1.3 S	20
-20			
		1.2	18
Brown SILT *(continued)*			
449.50	8	S	
Brown Silty Clay TILL			
	7	1.6 S	18
-25			
445.50	3	0.6 B	19
END OF BORING			
End of Boring			
-30			
-35			
-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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493.WORKORDER.1\CAD.Sheets\D876P94-sht-soil2.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	35
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 9/24/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-F-Embank.
Station 87+00
Offset 130.0 ft Left
Ground Surface Elev. 487.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 450.8 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILT			
	15	2.0 S	18
-5	19	3.5 S	16
	19	3.4 S	13
-10	14	2.0 S	11
	31	2.5 S	9
-15	30	2.5 S	10
	20	2.3 S	11
-20		2.0	13
			18
Brown SILT *(continued)*		S	
	19	2.0 S	16
-25	15	2.3 S	18
461.80			
Brown and Gray Silty Clayey TILL			
	18	2.8 S	18
-30	4	1.0 S	22
	6	1.0 B	53
-35	18	1.7 B	15
▼			
	42	4.6 S	12
-40		5.2	11

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 9/24/81

ROUTE FAP 789 DESCRIPTION IL 3, Southeast of College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION NE 1/4, NW 1/4, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 1-F-Embank.
Station 87+00
Offset 130.0 ft Left
Ground Surface Elev. 487.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 450.8 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
447.30			
END OF BORING			
End of Boring			
-45	75	S	
-50			
-55			
-60			

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/15/85

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3 Ramps and College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION N 1/2, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. TS-E-1
Station 75+35
Offset 76.0 ft Left
Ground Surface Elev. 476.90 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty CLAY			
	6	1.0 S	26
-5	7	1.0 S	28
	4	0.4 B	30
-10	9	1.3 B	26
	13	2.0 S	24
-15	8	1.3 S	24
460.40			
Brown and Gray Clay TILL			
	5	0.8 B	24
-20			
Brown and Gray Clay TILL *(continued)*			
455.90	5	1.0 B	21
END OF BORING			
End of Boring			
-25			
-30			
-35			
-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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493_WORKORDER.1\CAD_Sheets\D876P94-sht-soil13.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL:(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –
	DRAWN – EA, AV, BR	REVISED –
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	36
		CONTRACT NO. 76P94		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/15/85

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3 Ramps and College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION N 1/2, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. TS-E-2
Station 76+36
Offset 82.0 ft Right
Ground Surface Elev. 477.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty CLAY			
	4	0.5 B	27
-5			
	7	0.7 S	22
	3	0.4 B	31
-10			
	8	1.0 B	25
	8	1.6 S	24
-15			
	14	1.7 B	24
	11	1.1 B	24
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty CLAY *(continued)* 456.60			
	5	1.0 B	22
END OF BORING			
End of Boring			
-25			
-30			
-35			
-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 4/11/85

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3 Ramps and College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION N 1/2, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. TS-E-3
Station 80+70
Offset 85.0 ft Right
Ground Surface Elev. 479.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty CLAY			
	14	3.7 S	22
-5			
	15	2.0 S	19
472.50			
Brown and Gray Clayey SILT			
	8	1.0 S	21
-10			
	16	1.1 S	21
	13	1.3 S	22
-15			
	15	1.8 S	22
	12	1.5 S	21
460.00			
Brown and Gray Silty CLAY			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty CLAY *(continued)* 458.00			
	9	1.3 B	20
END OF BORING			
End of Boring			
-25			
-30			
-35			
-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, form 137 (Rev. 8-99)

Illinois Department of Transportation
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SOIL BORING LOG

Page 1 of 1

Date 4/11/85

ROUTE FAP 789 DESCRIPTION Traffic Signals at IL 3 Ramps and College Avenue in Alton LOGGED BY J. King

SECTION 2 LOCATION N 1/2, SEC. 8, TWP. 5N, RNG. 9W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station

BORING NO. TS-E-4
Station 79+49
Offset 62.0 ft Left
Ground Surface Elev. 477.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty CLAY			
	12	0.7 B	27
-5			
	3	0.5 B	29
	6	0.7 B	26
-10			
	8	1.0 B	25
	10	1.5 B	24
-15			
	10	1.3 B	23
	7	1.1 B	20
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty CLAY *(continued)* 456.10			
	7	1.1 B	19
END OF BORING			
End of Boring			
-25			
-30			
-35			
-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, form 137 (Rev. 8-99)

FILE NAME = K:\PROJECTS\Projects 2021\21-VAR-493,WORKORDER.1\CAD_Sheets\D876P94-sht-soil14.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.(773)774-5900

USER NAME = brice	DESIGNED – AV	REVISED –	
	DRAWN – EA, AV, BR	REVISED –	
PLOT SCALE = 40.0000 ' / in.	CHECKED – MS	REVISED –	
PLOT DATE = 3/15/2022	DATE – 2/11/2022	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(202,1,121)TS-1	MADISON/ST. CLAIR	37	37
			CONTRACT NO. 76P94	
FED. ROAD DIST. NO. –	ILLINOIS	FED. AID PROJECT		