06-16-2023 LETTING ITEM 243

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	DUPAGE	300	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 62T53		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

CENTRAL TRAFFIC MANAGEMENT SYSTEM
PHASE 3
DUPAGE COUNTY AREA
PROJECT NO: CMAQ–NTN2(146)
SECTION: 2023 TRAFFIC 03
COOK & DUPAGE COUNTY
VARIOUS ROUTES

C–91–247–22

FOR LOCATION MAP SEE SHEETS NO. 4

VARIOUS TOWNSHIPS

D–91–197–22

LOCATION OF SECTION INDICATED THUS: –

100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 1000' — 1" = 40'
0 50' 1000' — 1" = 30'
0 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: KAMIL A. KOBYLKA, (847) 705–4734
PROJECT MANAGER: LISA HEAVEN–BAUM

CONTRACT NO. 62T53

MICHAEL H SCHRADER
062-48163
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
SIGNED DATE: 03-21-2023
EXPIRATION DATE: 11-30-2023

LICENSED PROFESSIONAL ENGINEER
ERIK D. MINGE
062070905
OF ILLINOIS
SIGNED DATE: 03-21-2023
EXPIRATION DATE: 11-30-2023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 03/22 2023
Jose Rios / for
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 12, 2023
ENGINEER OF DESIGN AND ENVIRONMENT
May 12, 2023
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

INDEX OF SHEETS

SHT NO.	DESCRIPTION
1	COVER SHEET
2-3	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
4	LOCATION MAP
5-8	SUMMARY OF QUANTITIES
9-15	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)
16	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS (TS-02)

SHT NO.	LOCATION NO.	TS NO.	INTERSECTION NAME
17-18	1	3340	IL RTE 72 (HIGGINS RD) AT BEVERLY RD
19-20	2	21557	IL RTE 72 (HIGGINS RD) AT SEARS PKWY
21-22	3	21555	IL RTE 72 (HIGGINS RD) AT TRILLIUM BLVD/WICHMAN RD
23-24	4	21553	IL RTE 72 (HIGGINS RD) AT PRAIRIE STONE PWKY
25-26	5	21560	IL RTE 72 (HIGGINS RD) AT OLD SUTTON RD
27-30	6	2895	IL RTE 72 (HIGGINS RD) AT IL RTE 59
31-33	7	3297	IL RTE 72 (HIGGINS RD) AT ARBORETUM DR
34-36	8	3295	IL RTE 72 (HIGGINS RD) AT BARTLETT RD
37-38	9	2899	IL RTE 59 AT ARBORETUM BLVD
39-40	10	21537	IL RTE 59 AT POPLAR CREEK ENTRANCE
41-42	11	21535	IL RTE 59 AT I-90 NORTH RAMP
43-44	12	21510	IL RTE 59 AT I-90 SOUTH RAMP
45-47	13	11130	IL RTE 59 AT SHOE FACTORY RD
48-50	14	2700	IL RTE 59 AT IL RTE 58 (GOLF RD)
51-52	15	2910	IL RTE 59 AT SCHAUMBURG RD
53-54	16	1930	IL RTE 59 AT IL RTE 19 (IRVING PARK RD)
55-56	17	1932	IL RTE 19 (IRVING PARK RD) AT MADISON DR
57-58	18	1935	IL RTE 19 (IRVING PARK RD) AT BARTLETT RD
59-60	19	1937	IL RTE 59 AT GULF KEYS RD
61-62	20	1022	IL RTE 59 AT US RTE 20 (LAKE ST) NORTH RAMP
63-64	21	1023	IL RTE 59 AT US RTE 20 (LAKE ST) SOUTH RAMP
65-67	22	4660	IL RTE 59 AT BARTLETT RD
68-70	23	4670	IL RTE 59 AT STEARNS RD
71-72	24	6378	IL RTE 59 AT APPLE VALLEY DR
73-74	25	6377	IL RTE 59 AT STRUCKMAN BLVD
75-76	26	6379	IL RTE 59 AT WOODLAND HILLS PKWY
77-78	27	21125	IL RTE 59 AT SCHICK RD
79-81	28	6365	IL RTE 59 AT ARMY TRAIL RD
82-83	29	6366	IL RTE 59 AT SMITH RD
84-85	30	22115	IL RTE 59 AT DIVERSEY PKWY
86-87	31	6355	IL RTE 59 AT IL RTE 64 (NORTH AVE)
88-90	32	22110	IL RTE 59 AT ARBOR AVE/INGALTON AVE
91-93	33	8853	IL RTE 59 AT HAWTHORNE LN
94-95	34	8850	IL RTE 59 AT JAMES AVE
96-97	35	8855	IL RTE 59 AT WASHINGTON ST
98-99	36	8860	IL RTE 59 AT MAIN ST
100-101	37	6390	IL RTE 59 AT FOREST AVE
102-103	38	6205	IL RTE 59 AT DAYTON AVE/IL RTE 38 NORTH RAMP
104-105	39	6206	IL RTE 59 AT BROWNING WAY/IL RTE 38 SOUTH RAMP
106-107	40	1116	IL RTE 59 AT GARYS MILL RD
108-109	41	12020	IL RTE 59 AT JOLIET ST/EDGEWOOD WALK
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220-221	57	6089	IL RTE 59 AT MCCOY DR
222-224	58	6090	IL RTE 59 AT US RTE 34 (OGDEN AVE)
225-226	59	12310	IL RTE 59 AT MARKET PL/AUDREY AVE
227-229	60	6360	IL RTE 59 AT 75TH ST
230-231	61	6362	IL RTE 59 AT BEEBE DR
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265-266	78	2165	IL 43 (HARLEM AVE) AT 71ST ST
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292-296			CABINET DETAIL
297			CAMERA MOUNTING DETAIL
298			TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
299			TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14)
300			ARTERIAL ROAD INFORMATION SIGN (TC-22)

IDOT 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
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
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 OPERATIONS
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING

RLR NOTES

DUE TO THE PRESENCE OF A RED LIGHT RUNNING (RLR) CAMERA FOR THE BELOW LISTED LOCATIONS, CONTRACTOR SHALL NOTIFY THE VILLAGE AND RLR CAMERA COMPANY PRIOR TO THE START OF CONSTRUCTION. THE VILLAGE OR THE RLR CAMERA COMPANY SHALL MAKE THE CAMERA INOPERATIVE FOR THE TIME OF CONSTRUCTION. ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.

RLR CAMERA LOCATION:

TS 6355 IL RTE 59 AT IL RTE 64 (NORTH AVE)
TS 6366 IL RTE 59 AT SMITH RD
TS 8855 IL RTE 59 AT WASHINGTON ST

THE CITY OF WEST CHICAGO
475 MAIN STREET
WEST CHICAGO, IL 60185
(630) 293-3028

AMERICAN TRAFFIC SOLUTIONS
7681 EAST GRAY ROAD
SCOTTSDALE, AZ 85260

TS 2700 IL RTE 59 AT IL RTE 58 (GOLF RD)

VILLAGE OF HOFFMAN ESTATES
1900 HASSELL ROAD
HOFFMAN ESTATES, IL 60169
(630) 980-2000

RED SPEED, LLC
400 EISENHOWER, LANE
LOMBARD, IL 60148

TS 1930 IL RTE 59 AT IL RTE 19 (IRVING PARK RD)

VILLAGE OF STREAMWOOD
301 E IRVING PARK ROAD
STREAMWOOD, IL 60107
(630) 736-3800

RED SPEED, LLC
400 EISENHOWER, LANE
LOMBARD, IL 60148

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV, 72 HOURS IN ADVANCE OF BEGINNING WORK.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL EXISTING R.O.W. SHOWN IS APPROXIMATE AND MAY NEED TO BE VERIFIED IN THE FIELD. ALL PROPOSED WORK SHALL TAKE PLACE WITHIN EXISTING ROW WITHIN EXISTING FACILITIES INCLUDING HANDHOLES, CONDUITS, OR TRAFFIC SIGNAL CABINETS.

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 CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR. THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR UNDERGROUND AND OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE AREA ENGINEER, THE RESIDENT ENGINEER, AND ANY IMPACTED UTILITY COMPANY OF THE CONFLICT, AND SHALL COORDINATE AND RESOLVE THE ISSUE PRIOR TO ORDERING MATERIALS, AND PRIOR TO POURING FOUNDATIONS.

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 IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS.

PARTIAL PAYMENT AS DESCRIBED IN ARTICLE 109.07(b) OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED FOR ITEMS INCLUDED IN THIS CONTRACT.

THE CONTRACTOR SHALL SOLELY BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM THE PROTECT THE PUBLIC DURING ALL CONSTRUCTION ACTIVITIES.

THE CONTRACTOR SHALL COORDINATE WITH IDOT, CCDOT, AND EQUIPMENT VENDORS FOR THE BEST LOCATION AND ORIENTATION OF EACH PROPOSED PTZ CAMERA PRIOR TO CAMERA INSTALLATION.

THE CONTRACTOR SHALL MARK THE RECORD DRAWINGS TO REFLECT ANY CHANGES TO THE PLANS. THE RECORD DRAWINGS REQUIREMENTS ARE IDENTIFIED IN SECTION 801.16 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

THE QUANTITY FOR THE ROD AND CLEAN EXISTING CONDUIT IS FOR USE WITH EXISTING CONDUITS WHICH HAVE ALL EXISTING CABLES REMOVED. THE QUANTITY PROVIDED IS A NOMINAL QUANTITY AND SHALL BE USED AS NEEDED OR AS DETERMINED BY THE ENGINEER BASED ON FIELD CONDITIONS.

THE QUANTITY FOR TEMPORARY INFORMATION SIGNING IS FOR USE WITH DISTRICT DETAIL ARTERIAL ROAD INFORMATION SIGN (TC 22). ONE SIGN IS TO BE USED FOR EACH END OF EACH INTERCONNECT CORRIDOR, MAIN ROUTE, OR ZONE.

✳ THESE PLANS USE EXISTING RECORD DRAWINGS AS A BACKGROUND FOR THE PROPOSED PLAN. CONTRACTOR SHALL USE CARE IN CORRECTLY DISTINGUISHING PROPOSED WORK. CERTAIN RECORD DRAWINGS SHEETS HAVE BEEN INCLUDED FOR INFORMATION ONLY FOR BETTER UNDERSTANDING OF THE ENTIRE SYSTEM WHICH UTILIZES BOTH EXISTING AND PROPOSED FIBER INFRASTRUCTURE.

THE WORK IN THIS CONTRACT IS LIMITED TO THE INSTALLATION OF THE HANDHOLES, CONDUITS, TRACER CABLE, PTZ CAMERAS, SWITCHES, CONTROLLERS, AND FIBER OPTIC CABLE AS WELL AS ANY OTHER COMPONENTS AS SPECIFIED IN THE SCHEDULE OF QUANTITIES. THERE ARE NO PHASE CHANGES. PLANS USE EXISTING RECORD DRAWINGS WHICH SHOW PROPOSED EQUIPMENT FROM PREVIOUS CONTRACTS. WORK SHALL ONLY INCLUDE WHAT IS SPECIFIED IN THE SCHEDULE OF QUANTITIES. PHASING FOR THE NEW CONTROLLERS SHALL BE REPLICATED FROM EXISTING CONTROLLERS.

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\002_Standards List.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 '/ in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	2
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

CONFLICTS AMONG OTHER PROJECTS

BELOW NOTES ARE INTENDED TO IDENTIFY PROJECTS WITHIN SAME LOCATION AS THIS CONTRACT. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS AND SHALL BE REFLECTED IN THE UNIT PRICES. WORK SHALL BE PLANNED ACCORDINGLY.

LOCATION #11 AND 12
CONTRACTOR SHOULD COORDINATE WORK WITH WORK UNDER CONTRACT 62P12. CONTRACT 62P12 CONSISTS OF BRIDGE DECK WORK AND SHOULDER WORK. NO CONFLICT IS ANTICIPATED. CONTRACTOR TO PLAN WORK ACCORDINGLY.

LOCATION #18
CONTRACTOR SHOULD COORDINATE WORK WITH WORK UNDER CONTRACT 62T54. CONTRACT 62T54 CONSISTS OF SYSTEM EXPANSION 2 AND SHOULD BE COMPLETED FIRST PRIOR TO CONTRACT 62T53. CONTRACT 62T53 INSTALLS NEW FIBER OPTIC CABLE AND TERMINATES FIBER AS SHOWN ON THE PLANS AT THIS LOCATION. CONTRACT 62T54 INSTALLS THE FIELD NETWORK EQUIPMENT. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS. CONTRACTOR TO PLAN WORK ACCORDINGLY.

LOCATION #22
CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62D30. CONTRACT 62D30 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62D30 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS UNLESS COMBINATION MAST ARM IS IN PLACE UNDER 62D30. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

LOCATION #31
CONTRACTOR MIGHT NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62N33. CONTRACT 62N33 WILL OCCUR AT MUCH LATER TIME. CONTRACT 62T53 SHOULD BE COMPLETED FIRST AS SHOWN ON THE PLANS BEFORE 62N33 STARTS. CONTRACTOR TO PLAN WORK ACCORDINGLY.

LOCATION #34 AND 41
CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P22. CONTRACT 62P22 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P22 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS UNLESS COMBINATION MAST ARM IS IN PLACE UNDER 62P22. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

LOCATION #43 AND 44
CONTRACTOR SHOULD COORDINATE WORK WITH WORK UNDER CONTRACT XXXXX. CONTRACT XXXXX CONSISTS OF MINOR SIGNAL MODERNIZATION INCLUDING APS INSTALLATION. NO CONFLICT IS ANTICIPATED. CONTRACT 62T53 SHOULD BE COMPLETED FIRST AS SHOWN ON THE PLANS BEFORE XXXXX. ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS. CONTRACTOR TO PLAN WORK ACCORDINGLY.

LOCATION #45
CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62N32. CONTRACT 62N32 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL CONSISTS OF MINOR SIGNAL MODERNIZATION INCLUDING APS INSTALLATION AND NETWORK INTEGRATION. CONTRACT 62T53 SHOULD START BEFORE 62N32, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS UNLESS COMBINATION MAST ARM IS IN PLACE UNDER 62N32. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

LOCATION #62 AND 64 AND 66
CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62N85. CONTRACT 62N85 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62N85 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

LOCATION #67
CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 60R49. CONTRACT 60R49 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 60R49 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

CONFLICTS AMONG OTHER PROJECTS CONTINUED

LOCATION #68, 69, 70, 71, AND 72
CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P50. CONTRACT 62P50 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P50 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

LOCATION #73
CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P50. CONTRACT 62P50 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P50 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS UNLESS COMBINATION MAST ARM IS IN PLACE UNDER 62P50. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

NETWORK CONNECTION NOTE

THIS ENTIRE SYSTEM EXPANSION WILL BE CONNECTED TO IDOT D1 HQ FIBER NETWORK AND WILL UTILIZE FIBER INSTALLED UNDER CONTRACT 62T54. THE MAIN CONNECTION LOCATION IS AT LOCATION 18 TS 1935 ALL NETWORK CONFIGURATION AND SWITCH SET UP SHALL BE CONFIGURED SUCH THAT NETWORK CONTINUATION FROM CONTRACT 62T54 CONTINUES. CONTRACTOR TO COORDIANTE WITH IDOT NETWORK ENGINEER, NETWORK CONSULTANT, VENDORS, AND TRAFFIC SIGNAL ENGINEER FOR PROPER SET UP AND CONFIGURATION. NO ADDITIONAL COMPENSATION WILL BE PROVIDED. THE COST OF NETWORK AND SWITCH CONFIGURATION SHALL BE INCLUDED IN THE UNIT PRICE OF LAYER II DATALINK SWITCH OR LAYER III NETWORK SWITCH.

SPARE LAYER III (NETWORK) AND LAYER II (DATALINK) SWITCHES

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE PURCHASED BY THE CONTRACTOR UNDER THIS CONTRACT UTILIZING APPROPIATE PAY ITEMS AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. EQUIPMENT SHALL BE DELIVERED IN NEW CONDITION INSIDE ORIGINAL PACKAGE ALONG WITH ALL THE DOCUMENTATION AND COMPONENTS TO BE PART OF IDOT SPARE PARTS.

1 EACH LAYER III (NETWORK) SWITCH
3 EACH LAYER II (DATALINK) SWITCH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & CONFLICTS WITH OTHER CONTRACTS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	3
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

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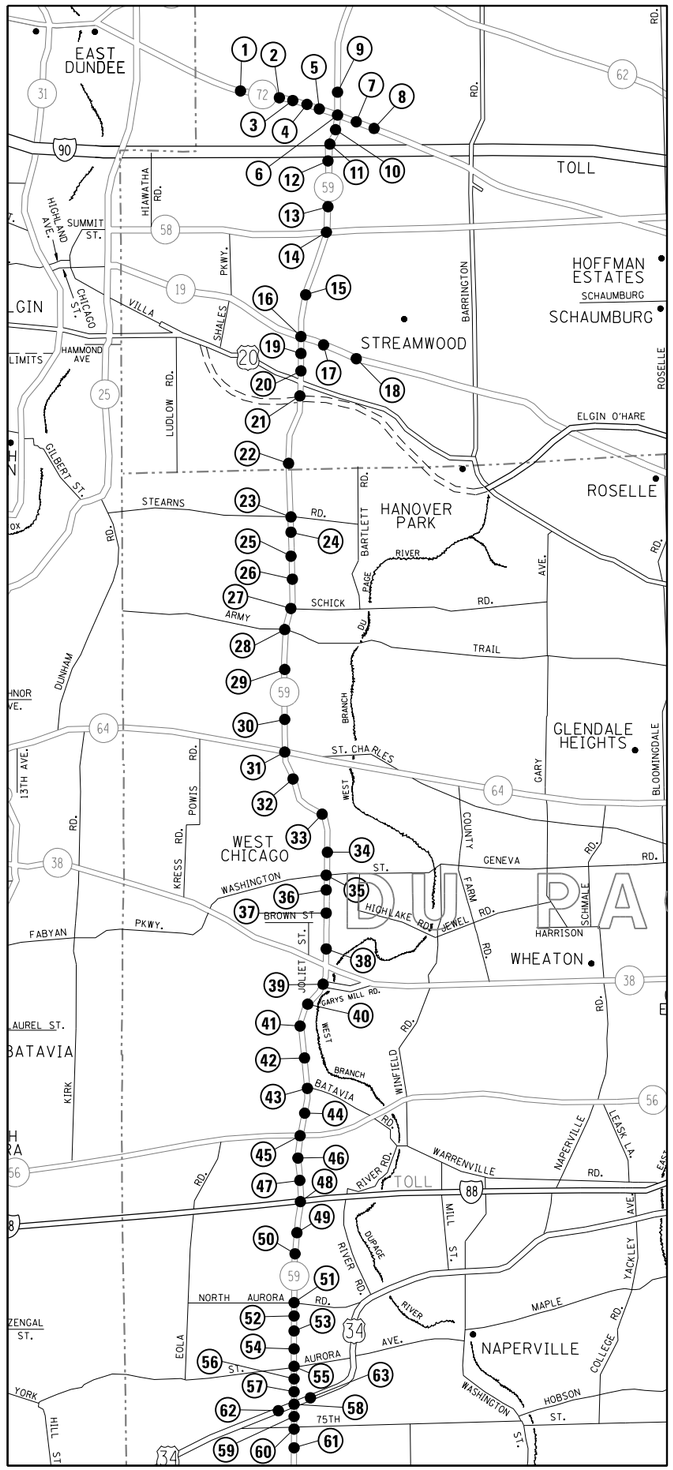

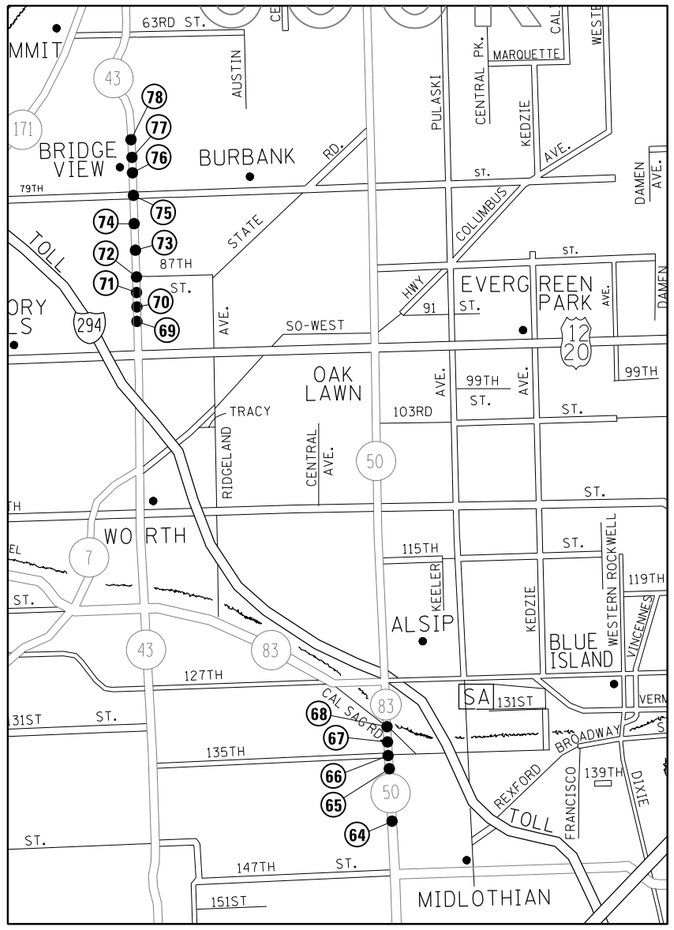

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LOCATION NO.	TS NO.	INTERSECTION NAME
1	3340	IL RTE 72 (HIGGINS RD) AT BEVERLY RD
2	21557	IL RTE 72 (HIGGINS RD) AT SEARS PKWY
3	21555	IL RTE 72 (HIGGINS RD) AT TRILLIUM BLVD/WICHMAN RD
4	21553	IL RTE 72 (HIGGINS RD) AT PRAIRIE STONE PWKY
5	21560	IL RTE 72 (HIGGINS RD) AT OLD SUTTON RD
6	2895	IL RTE 72 (HIGGINS RD) AT IL RTE 59
7	3297	IL RTE 72 (HIGGINS RD) AT ARBORETUM DR
8	3295	IL RTE 72 (HIGGINS RD) AT BARTLETT RD
9	2899	IL RTE 59 AT ARBORETUM BLVD
10	21537	IL RTE 59 AT POPLAR CREEK ENTRANCE
11	21535	IL RTE 59 AT I-90 NORTH RAMP
12	21510	IL RTE 59 AT I-90 SOUTH RAMP
13	11130	IL RTE 59 AT SHOE FACTORY RD
14	2700	IL RTE 59 AT IL RTE 58 (GOLF RD)
15	2910	IL RTE 59 AT SCHAUMBURG RD
16	1930	IL RTE 59 AT IL RTE 19 (IRVING PARK RD)
17	1932	IL RTE 19 (IRVING PARK RD) AT MADISON DR
18	1935	IL RTE 19 (IRVING PARK RD) AT BARTLETT RD
19	1937	IL RTE 59 AT GULF KEYS RD
20	1022	IL RTE 59 AT US RTE 20 (LAKE ST) NORTH RAMP
21	1023	IL RTE 59 AT US RTE 20 (LAKE ST) SOUTH RAMP
22	4660	IL RTE 59 AT BARTLETT RD
23	4670	IL RTE 59 AT STEARNS RD
24	6378	IL RTE 59 AT APPLE VALLEY DR
25	6377	IL RTE 59 AT STRUCKMAN BLVD
26	6379	IL RTE 59 AT WOODLAND HILLS PKWY
27	21125	IL RTE 59 AT SCHICK RD
28	6365	IL RTE 59 AT ARMY TRAIL RD
29	6366	IL RTE 59 AT SMITH RD
30	22115	IL RTE 59 AT DIVERSEY PKWY
31	6355	IL RTE 59 AT IL RTE 64 (NORTH AVE)
32	22110	IL RTE 59 AT ARBOR AVE/INGALTON AVE
33	8853	IL RTE 59 AT HAWTHORNE LN
34	8850	IL RTE 59 AT JAMES AVE
35	8855	IL RTE 59 AT WASHINGTON ST
36	8860	IL RTE 59 AT MAIN ST
37	6390	IL RTE 59 AT FOREST AVE
38	6205	IL RTE 59 AT DAYTON AVE/IL RTE 38 NORTH RAMP
39	6206	IL RTE 59 AT BROWNING WAY/IL RTE 38 SOUTH RAMP
40	1116	IL RTE 59 AT GARYS MILL RD
41	12020	IL RTE 59 AT JOLIET ST/EDGEWOOD WALK
42	12021	IL RTE 59 AT MACK RD
43	6370	IL RTE 59 AT BATAVIA RD
44	6395	IL RTE 59 AT MEADOW AVE/CONTINENTAL DR
45	6260	IL RTE 59 AT IL RTE 56 (BUTTERFIELD RD)
46	11083	IL RTE 59 AT DUKE PKWY/EVERTON DR
47	11085	IL RTE 59 AT FERRY RD
48	9472	IL RTE 59 AT I-88 DDI RAMPS
49	9450	IL RTE 59 AT DIEHL RD
50	9455	IL RTE 59 AT BRUCE LN/BROOKDALE RD
51	6380	IL RTE 59 AT NORTH AURORA RD
52	20360	IL RTE 59 AT MERIDIAN PKWY/GLACIER PARK AVE
53	12140	IL RTE 59 AT LIBERTY ST/JEFFERSON AVE
54	21139	IL RTE 59 AT VANTAGE SHOP
55	20620	IL RTE 59 AT NEW YORK ST/AURORA AVE
56	20635	IL RTE 59 AT FOX VALLEY SC
57	6089	IL RTE 59 AT MCCOY DR
58	6090	IL RTE 59 AT US RTE 34 (OGDEN AVE)
59	12310	IL RTE 59 AT MARKET PL/AUDREY AVE
60	6360	IL RTE 59 AT 75TH ST
61	6362	IL RTE 59 AT BEEBE DR
62	12360	US RTE 34 (OGDEN AVE) AT TRADE ST
63	20910	US RTE 34 (OGDEN AVE) AT FOX RIVER COMMONS
64	2655	IL 50-83 (CICERO AVE) AT MIDLOTHIAN TPK
65	20366	IL 50-83 (CICERO AVE) AT 137TH ST
66	2650	IL 50-83 (CICERO AVE) AT 135TH ST
67	2649	IL 50-83 (CICERO AVE) AT RIVERCREST EAST DR
68	2645	IL 50-83 (CICERO AVE) AT CAL SAG RD
69	2335	IL 43 (HARLEM AVE) AT 92ND ST/STANFORD DR
70	2195	IL 43 (HARLEM AVE) AT 90TH ST/CAMBRIDGE ST
71	2190	IL 43 (HARLEM AVE) AT SOUTHFIELD SC/88TH ST
72	2185	IL 43 (HARLEM AVE) AT 87TH ST
73	2340	IL 43 (HARLEM AVE) AT 84TH ST
74	2180	IL 43 (HARLEM AVE) AT 83RD ST
75	2175	IL 43 (HARLEM AVE) AT 79TH ST
76	2345	IL 43 (HARLEM AVE) AT 77TH ST
77	2170	IL 43 (HARLEM AVE) AT 75TH ST
78	2165	IL 43 (HARLEM AVE) AT 71ST ST

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	4
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% STATE COOK COUNTY INTERCONNECT 0021 URBAN	CONSTRUCTION CODE: 80% FED 20% STATE DUPAGE COUNTY INTERCONNECT 0021 URBAN
	28000400	PERIMETER EROSION BARRIER	FOOT	1,780	1,200	580
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	90	65	25
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	1	1
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.50	0.50
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.50	0.50
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	2	3
	67100100	MOBILIZATION	L SUM	1	0.50	0.50
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.50	0.50
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.50	0.50
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.50	0.50
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.50	0.50
	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	100		100
	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,560	965	595
	81400100	HANDHOLE	EACH	34	26	8

* SPECIALTY ITEM

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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	2023 TRAFFIC 03	VARIOUS	300	5
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% STATE COOK COUNTY INTERCONNECT 0021 URBAN	CONSTRUCTION CODE: 80% FED 20% STATE DUPAGE COUNTY INTERCONNECT 0021 URBAN
81400200	HEAVY-DUTY HANDHOLE	EACH	2		2
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	78	37	41
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	163,916	67,400	96,516
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	13,718	1,887	11,831
87900200	DRILL EXISTING HANDHOLE	EACH	12	6	6
88500100	INDUCTIVE LOOP DETECTOR	EACH	269	47	222
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	8	3	5
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	19	4	15
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	237,213	98,972	138,241
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	69	28	41
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	86,514	33,741	52,773
X0325922	CELLULAR MODEM	EACH	2	2	
X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	7,709	3,194	4,515
X1400215	REMOTE CONTROLLED VIDEO SYSTEM	EACH	33	14	19

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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	2023 TRAFFIC 03	VARIOUS	300	6
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD_Sheets\006_500-02.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE COOK COUNTY INTERCONNECT 0021 URBAN	CONSTRUCTION CODE 80% FED 20% STATE DUPAGE COUNTY INTERCONNECT 0021 URBAN
X1400216	LAYER II (DATALINK) SWITCH	EACH	74	36	38
X1400217	TERMINATE FIBER IN CABINET	EACH	1,566	714	852
X1400219	SPLICE FIBER IN CABINET	EACH	408	162	246
X1400221	UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	12	5	7
X1400460	LAYER III (NETWORK) SWITCH	EACH	7	4	3
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	6	6
X8101100	UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	21,930	16,185	5,745
X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	29	15	14
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	15	3	12
X8570231	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	4	1	3
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	17	3	14
X8710030	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	163,916	67,400	96,516
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	22	11	11
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	488.3	257	231.3

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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	2023 TRAFFIC 03	VARIOUS	300	7
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

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				CONSTRUCTION CODE	
				80% FED 20% STATE COOK COUNTY	80% FED 20% STATE DUPAGE COUNTY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	INTERCONNECT 0021 URBAN	INTERCONNECT 0021 URBAN
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	3	1	2
X8710049	POWER OVER ETHERNET EXTENDER	EACH	10	4	6
X8620310	REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	23	8	15
X0328020	CENTRACS LICENSE EXPANSION	EACH	53	28	25
X1400514	TACTICS LICENSE EXPANSION	EACH	24	8	16
X8710070	FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	5	5	
X8710094	FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	65	22	43
X0328033	TERMINAL SERVER	EACH	7	2	5
X0328032	BUDGETARY ALLOWANCE FOR NETWORK DESIGN AND INTEGRATION	L SUM	1	1	
Ø Z0076600	TRAINEES	HOURS	500	500	
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500	

Ø 0042

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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	2023 TRAFFIC 03	VARIOUS	300	8
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

REV-SEP

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RR	RR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P	P
SAMPLING (SYSTEM) DETECTOR	S	S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS	IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS	QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G ◄Y ◄G (P)	R Y G ◄Y ◄G (P)
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G ◄Y ◄G (P) (RB)	R Y G ◄Y ◄G (P) (RB)
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	9
	TS-05	CONTRACT NO. 62T53		
	ILLINOIS FED. AID PROJECT			

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LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

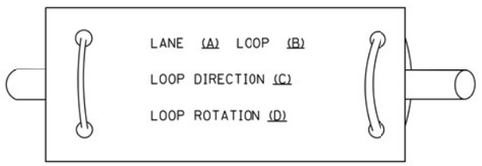
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

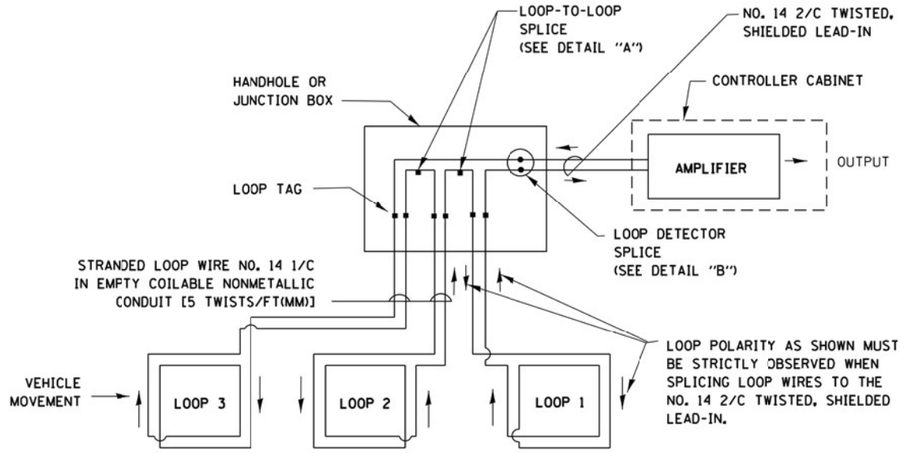


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

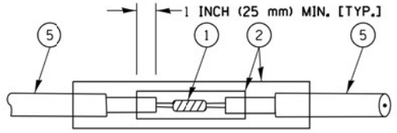
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

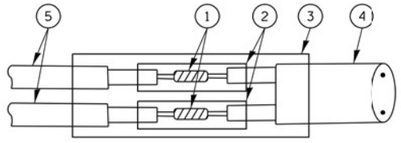


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

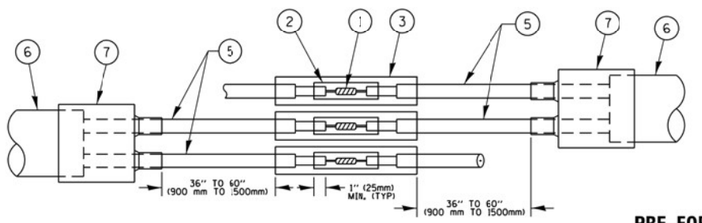


DETAIL "A"
LOOP-TO-LOOP SPLICE



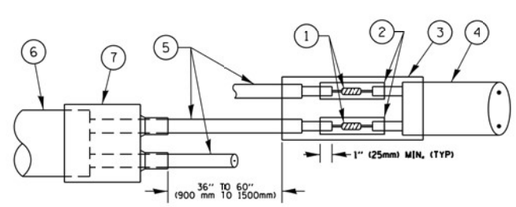
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

1. WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
2. WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
3. WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
4. NO. 14 2/C TWISTED, SHIELDED CABLE.
5. LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
6. PRE-FORMED LOOP
7. XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	10
	TS-05	CONTRACT NO. 62T53		
	ILLINOIS FED. AID PROJECT			

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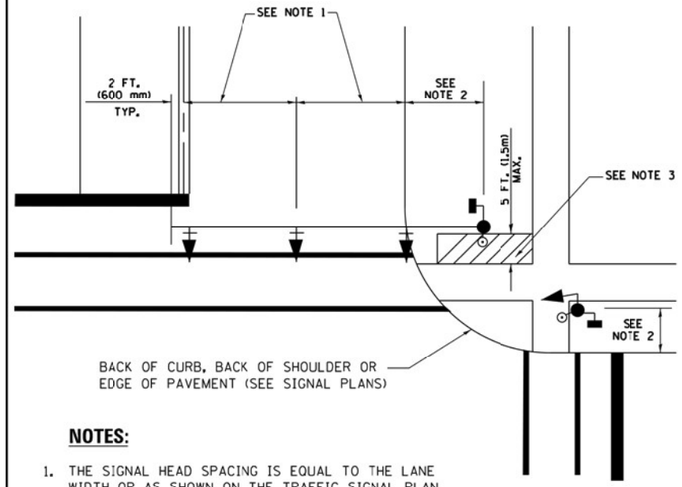
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

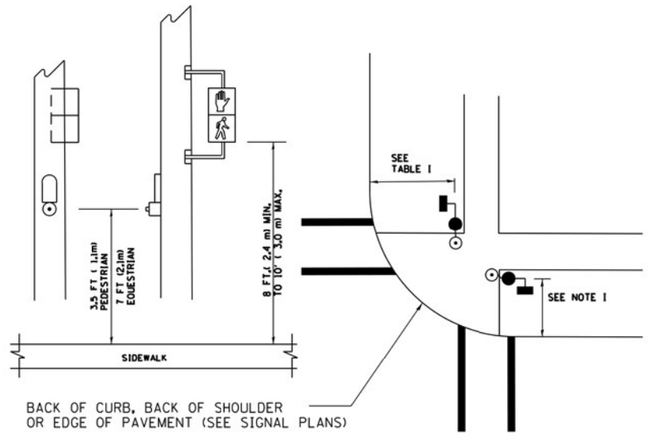
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT CR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

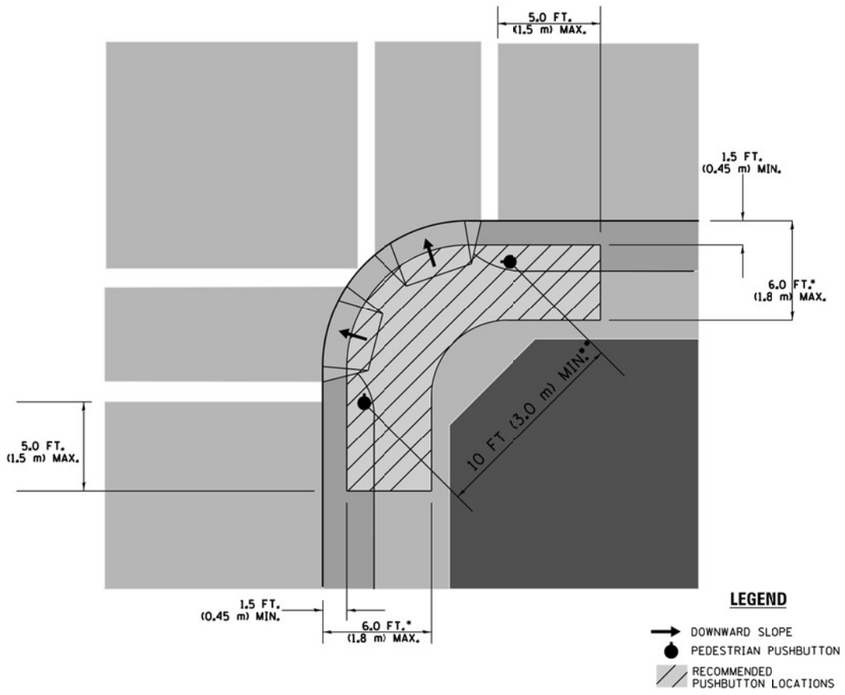
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, CR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS. THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE FOSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROFOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	11
	TS-05	CONTRACT NO. 62T53		
	ILLINOIS FED. AID PROJECT			

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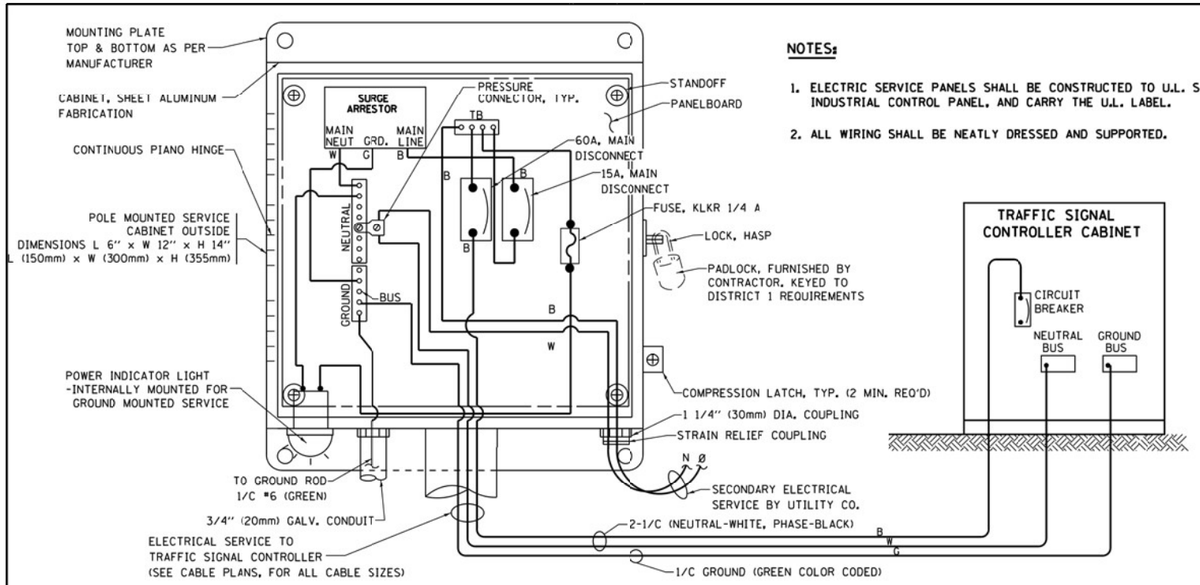


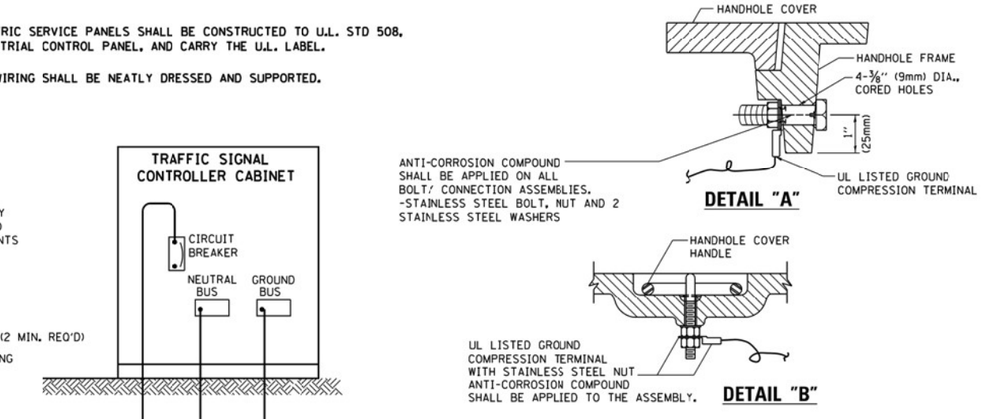
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

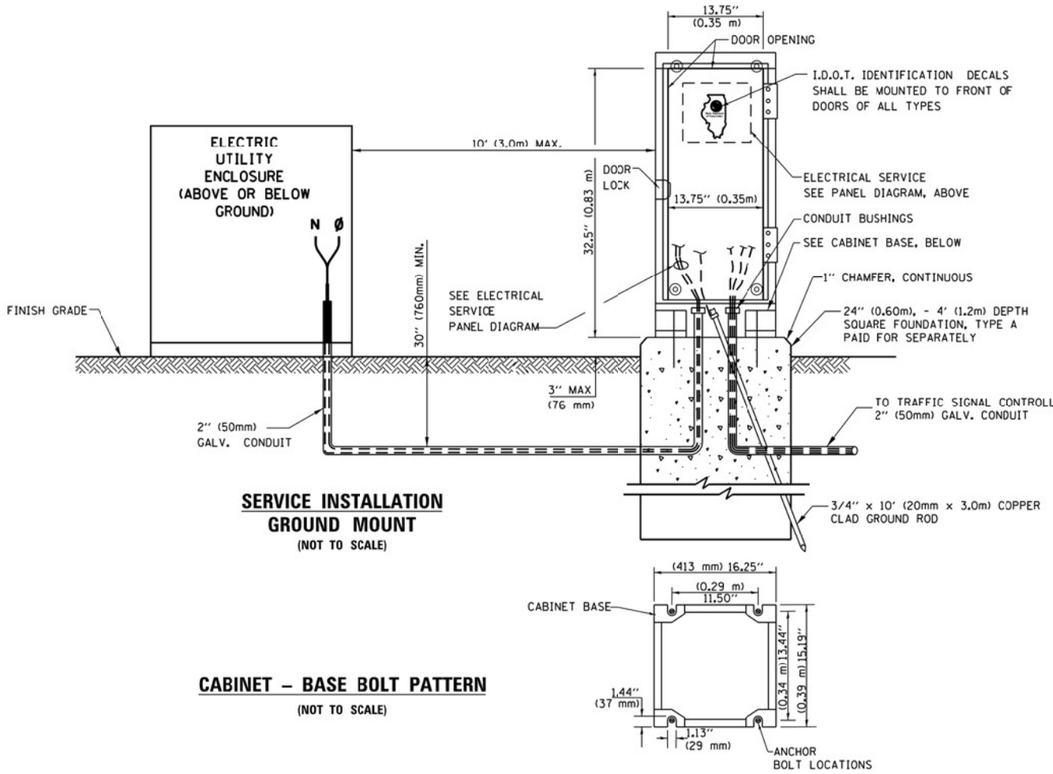
(NOT TO SCALE)



NOTES:

GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

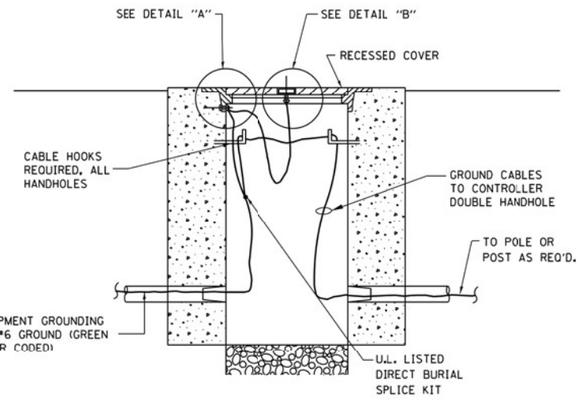


SERVICE INSTALLATION GROUND MOUNT

(NOT TO SCALE)

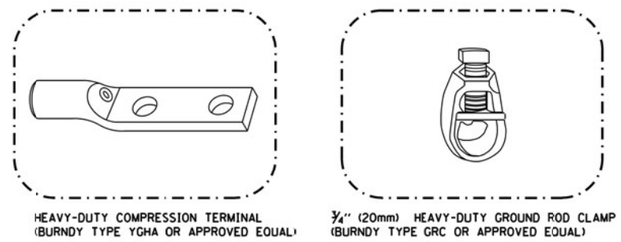
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



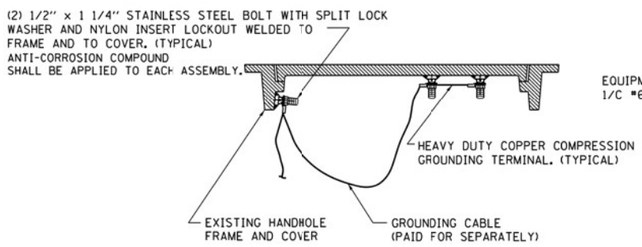
HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



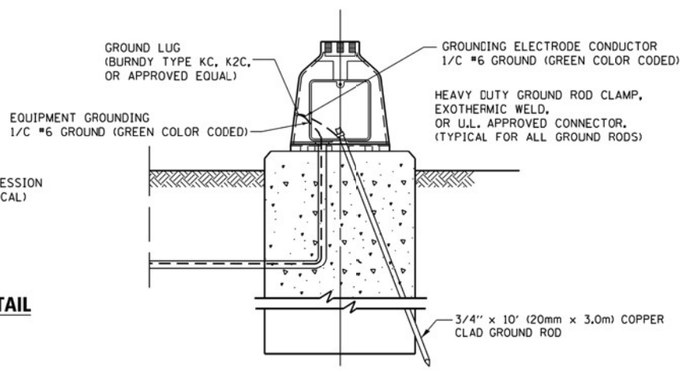
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



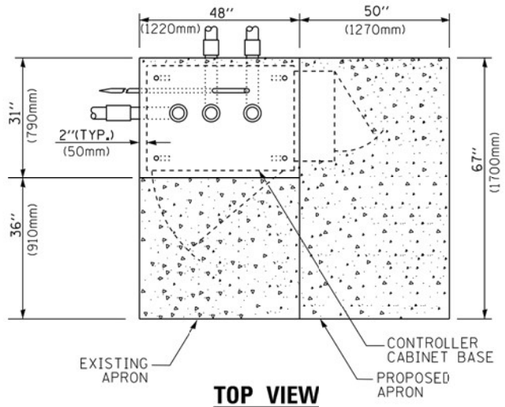
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

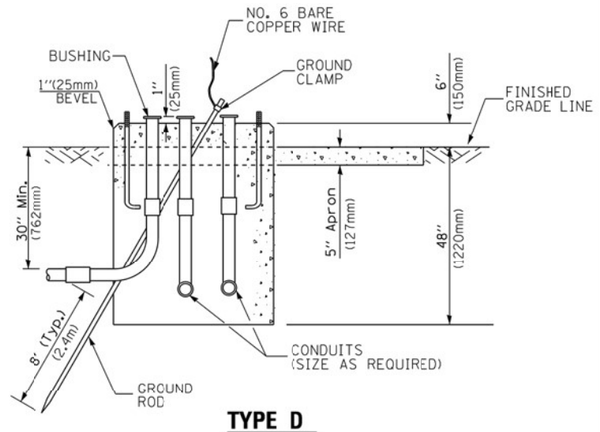


MAST ARM POLE / POST-GROUNDING DETAIL

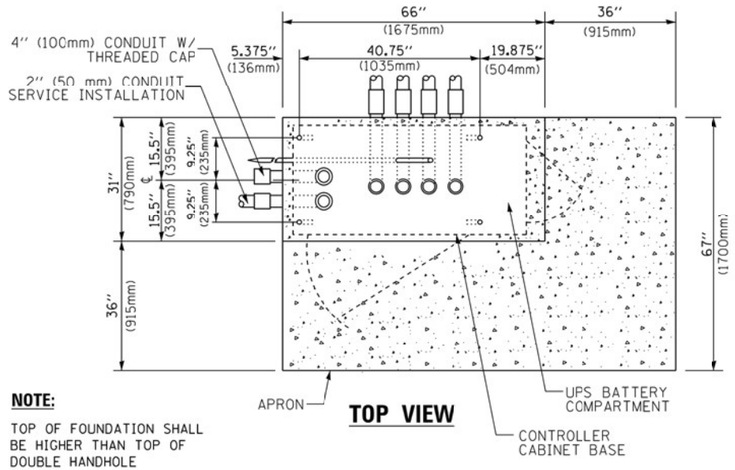
(NOT TO SCALE)



TOP VIEW



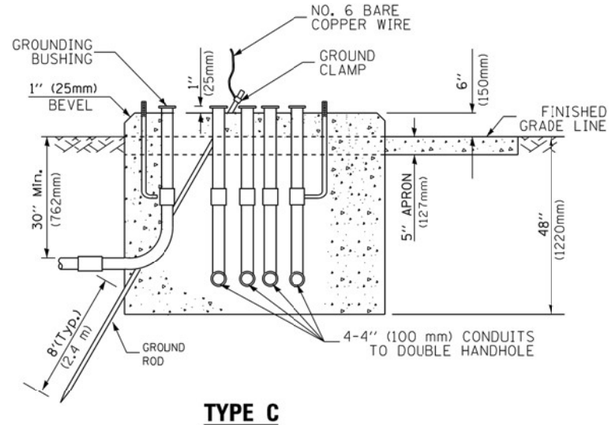
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



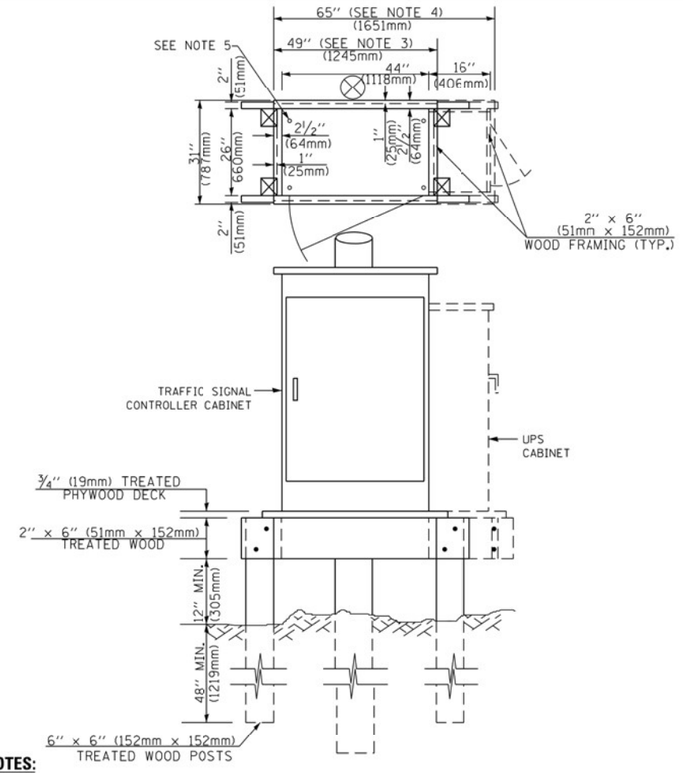
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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

USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

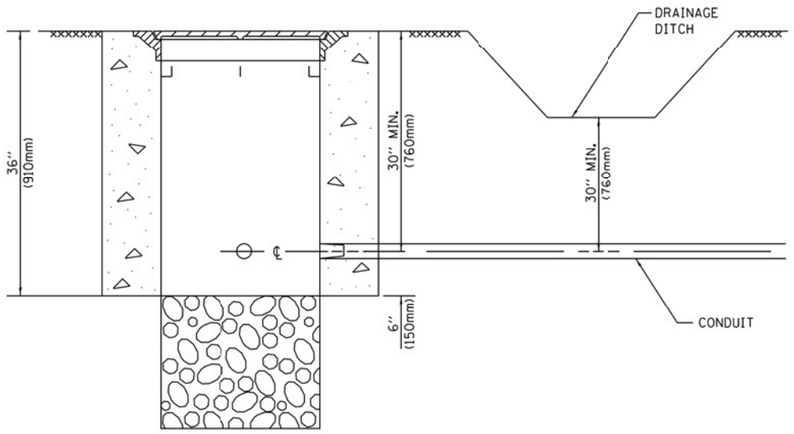
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	13
	TS-05	CONTRACT NO. 62T53		
	ILLINOIS FED. AID PROJECT			

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-518-Centreas Phase 3\CADD\Sheets\813.IDOT DETAILS_5.dgn

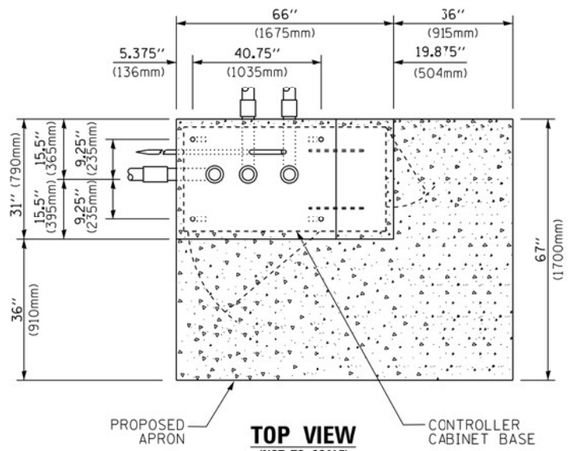


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

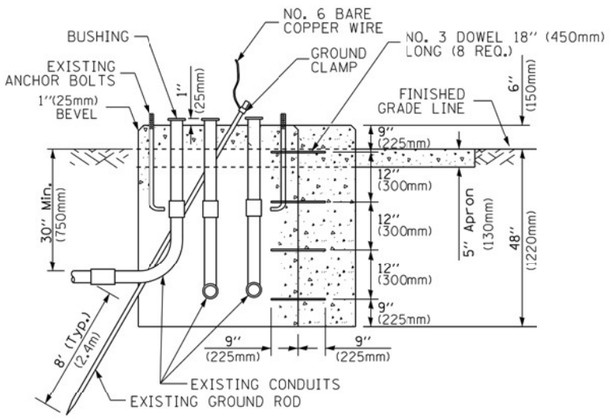
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



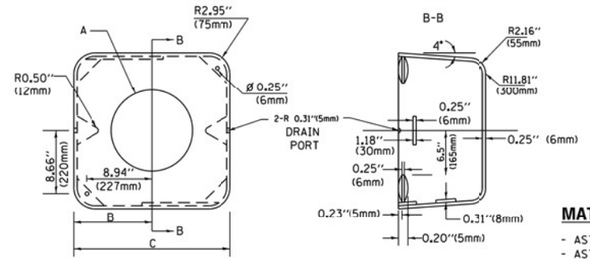
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL:

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

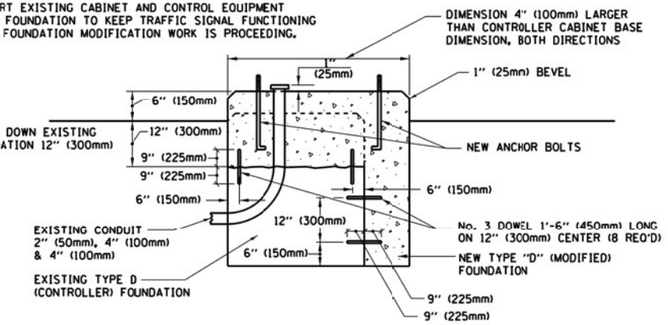
SHROUD

NOTES:

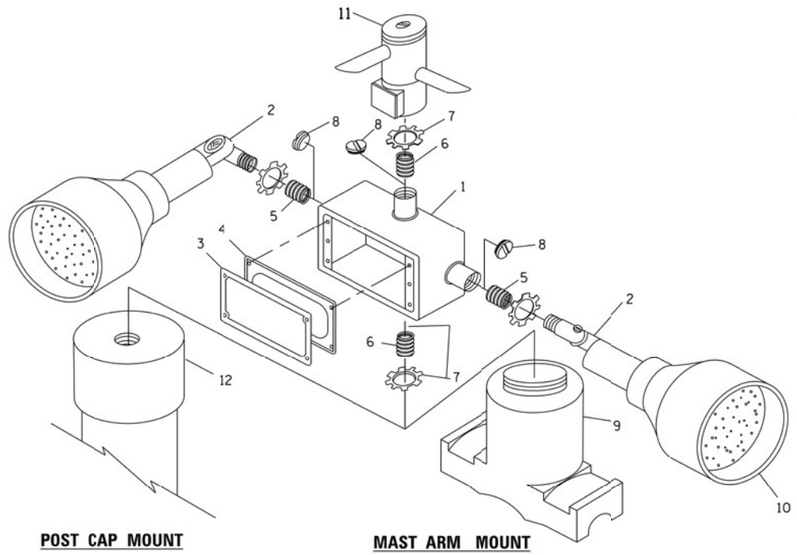
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

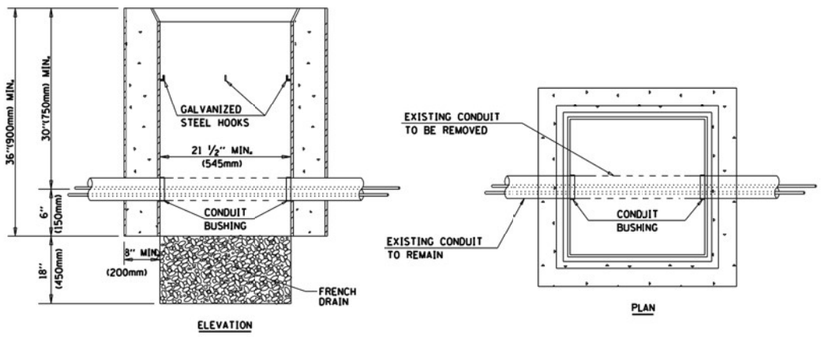
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP (18 FT. (5.4 m) POST MIN.)

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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

USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	14
	TS-05	CONTRACT NO. 62T53		
	ILLINOIS FED. AID PROJECT			

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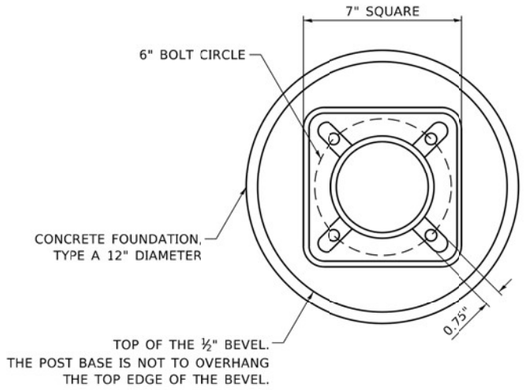
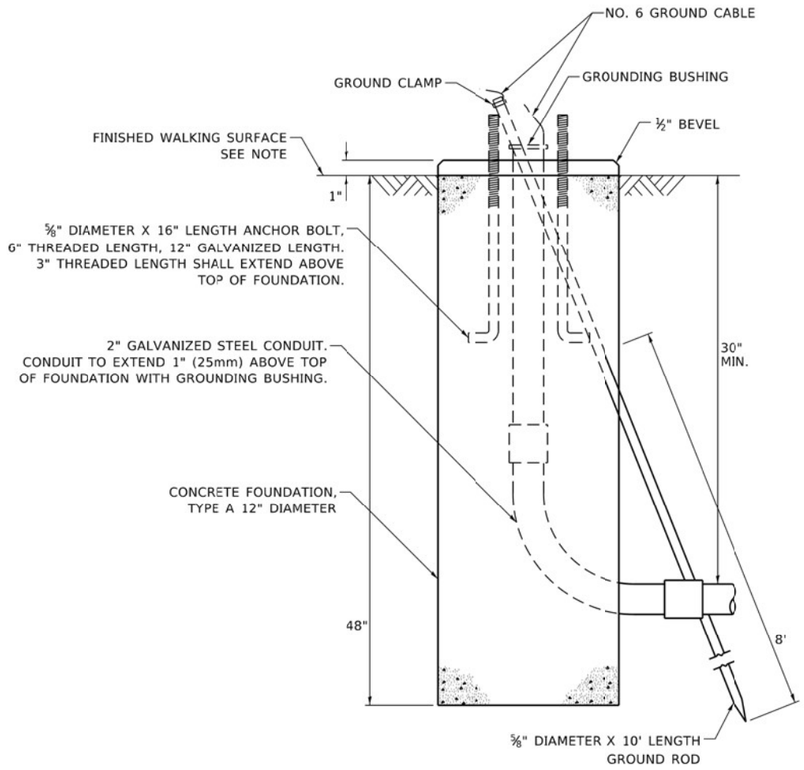


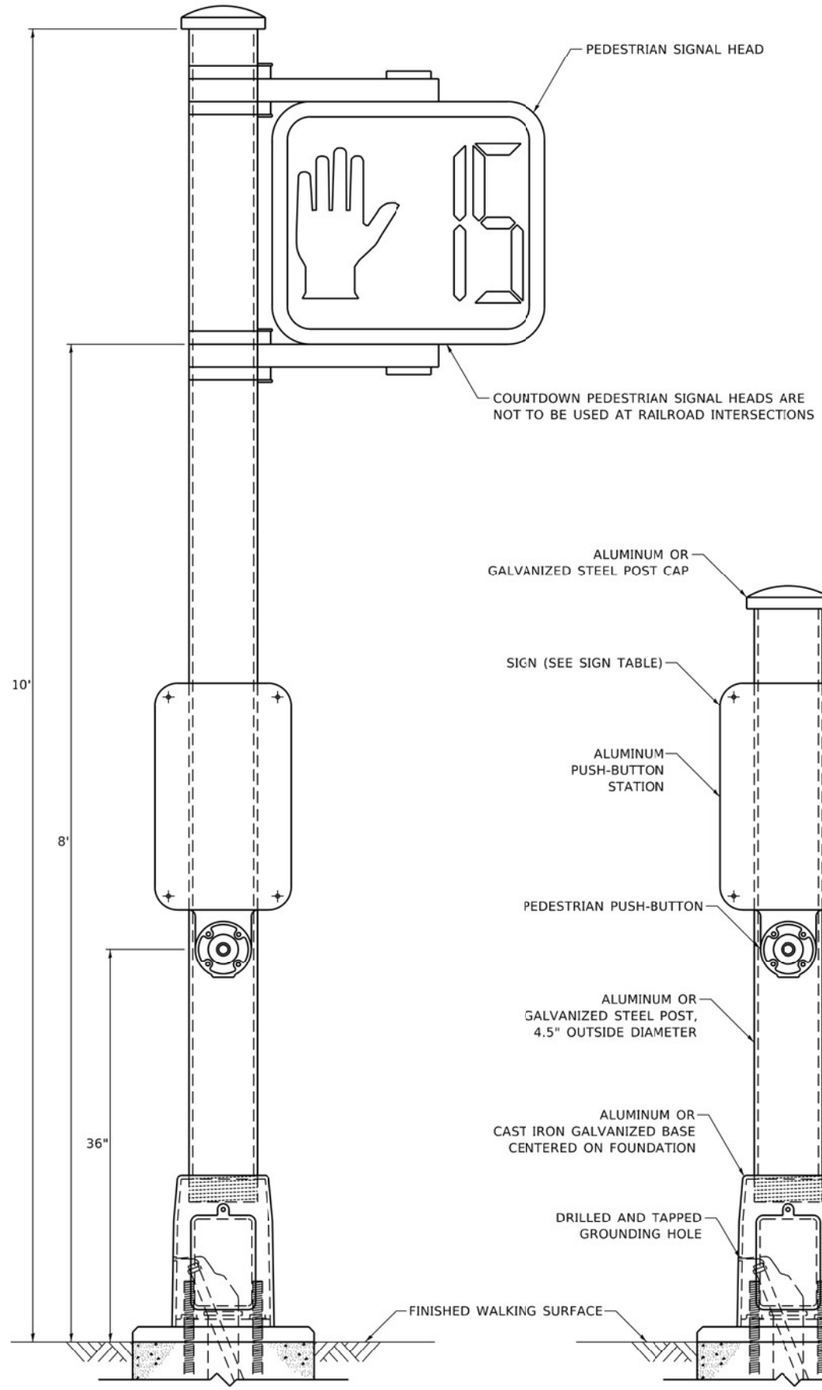
BOLT PATTERN

NOTE:

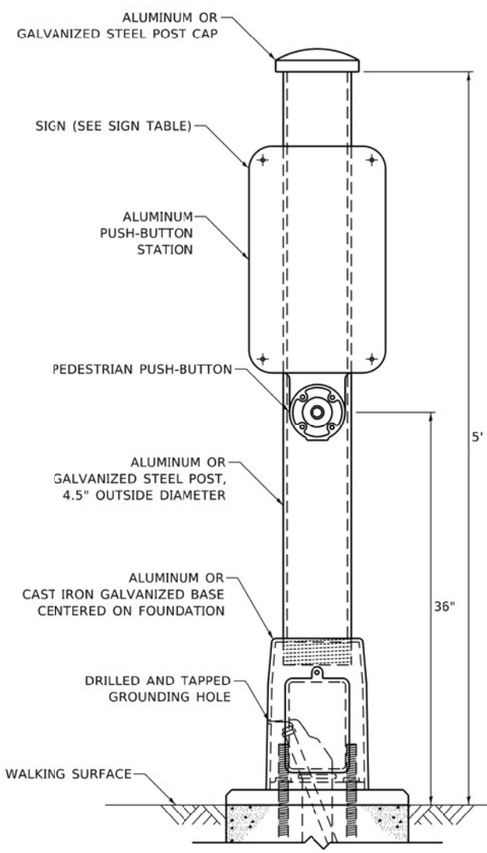
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\015_IDOT DETAILS_7.dgn

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

USER NAME = $USER$	DESIGNED - IP	REVISED - 10/15/2020
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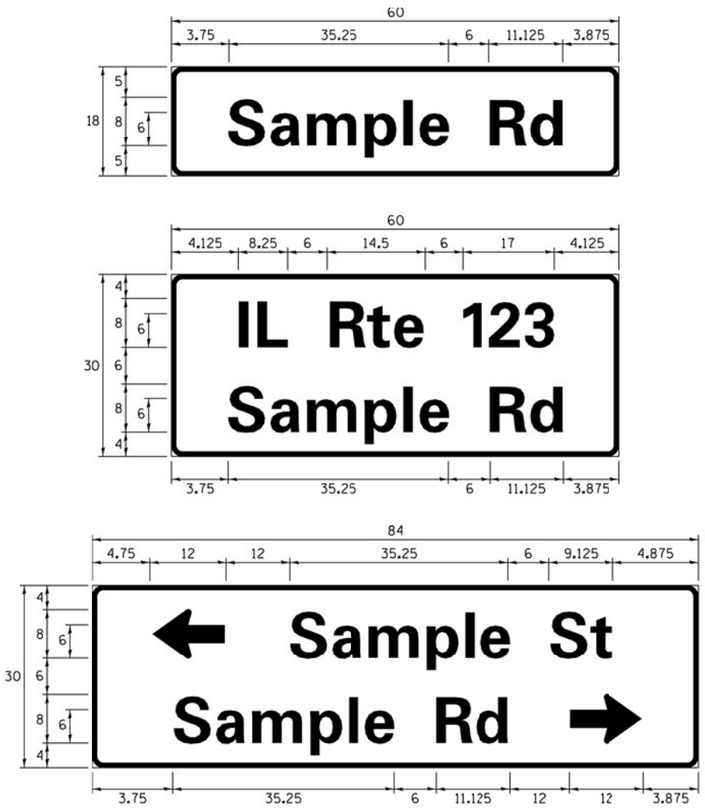
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	15
	TS-05	CONTRACT NO. 62T53		
	ILLINOIS FED. AID PROJECT			

SIGN PANEL – TYPE 1 OR TYPE 2



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

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

GENERAL NOTES

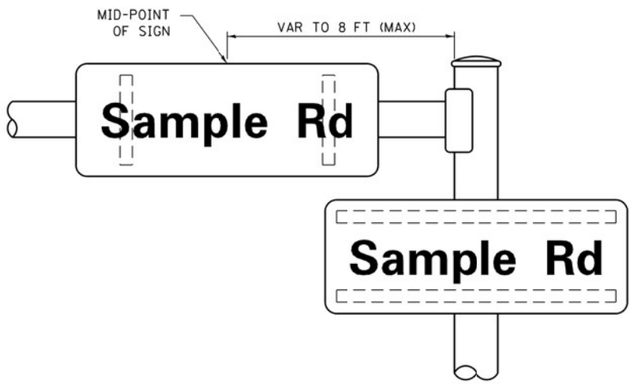
1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE ¾" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:	PARTS LISTING:	
- J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA	SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
	SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
- WESTERN REMAC, INC. WOODRIDGE, IL	BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

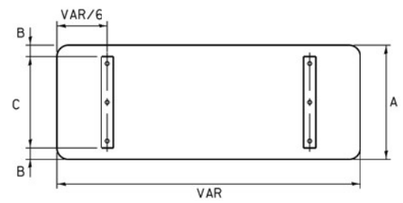
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

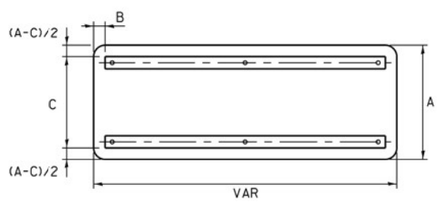
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

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

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.952	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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

USER NAME = $USER$	DESIGNED - LP/IP	REVISED - LP 07/01/2015	
	DRAWN - LP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - IP	REVISED -	
PLOT DATE = $DATE$	DATE - 10/01/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	16
	TS-02	CONTRACT NO. 62T53		
	ILLINOIS FED. AID PROJECT			

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\816_IDOT DETAILS_8.dgn

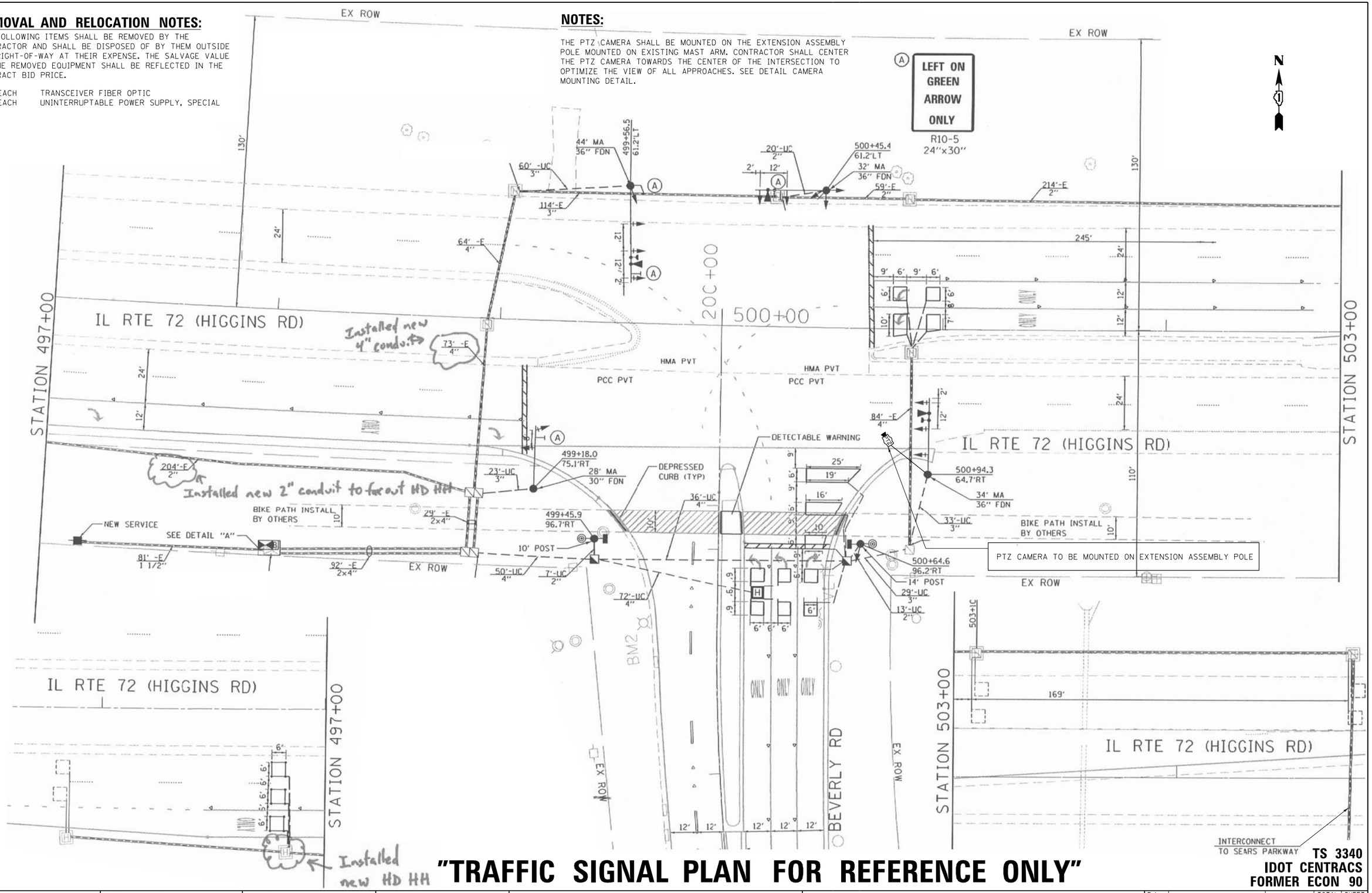
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3340
IDOT CENTRACS
FORMER ECON 90

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.:(773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
		DRAWN - EA, AV	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

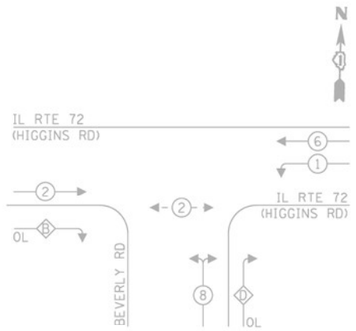
LOCATION #1
IL RTE 72 (HIGGINS RD) AT BEVERLY RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	17
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\017_IL Rte 72 at Beverly RD_INT.dgn

EXISTING CONTROLLER SEQUENCE



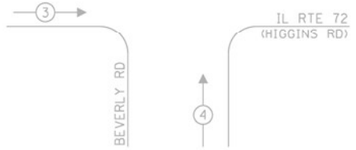
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	8
D	=	8	+	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

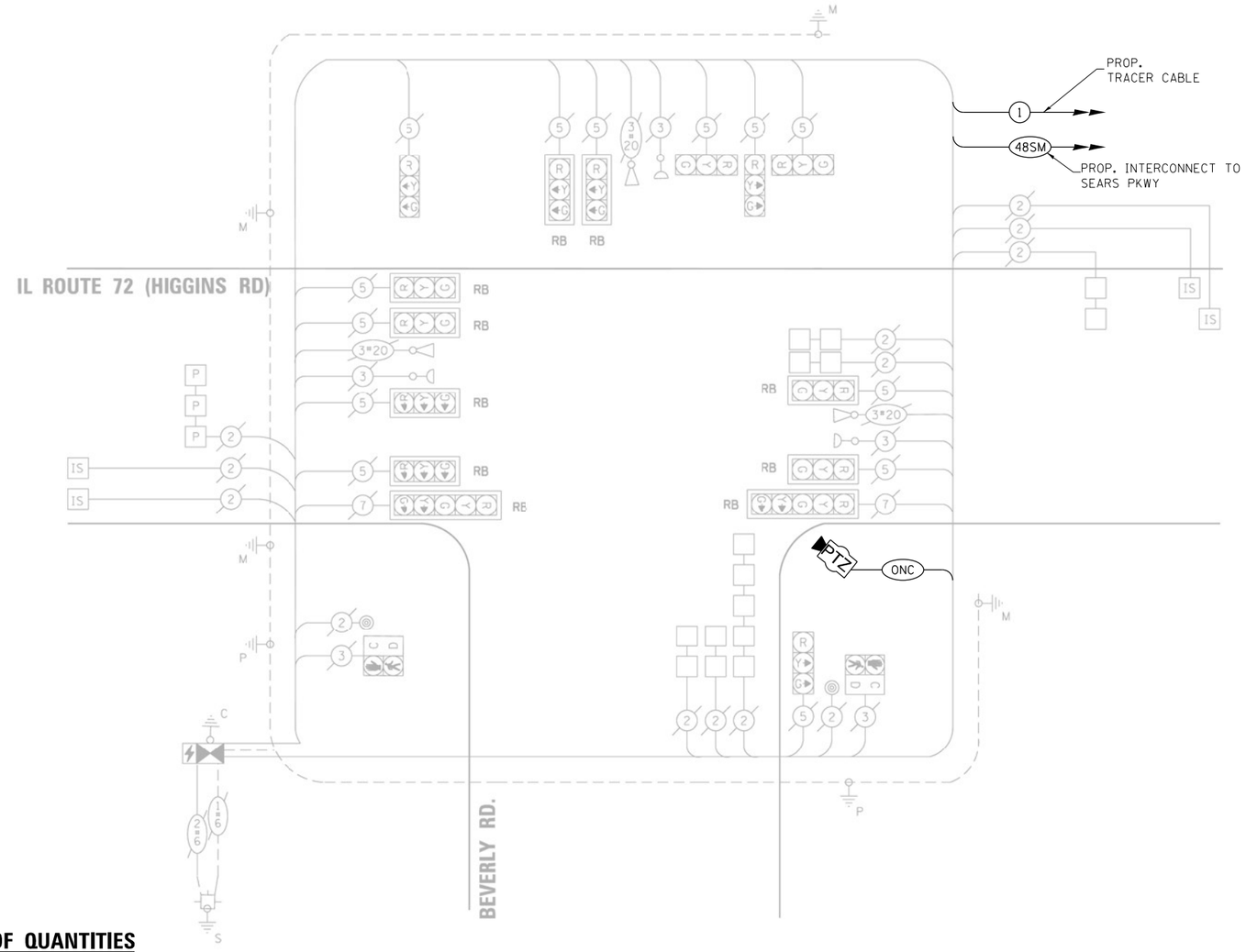


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	11	50	83
(YELLOW)	15	20	5	15
(GREEN)	15	12	45	81
PERMISSIVE ARROW	4	10	10	4
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	348

ENERGY COSTS TO:

HOFFMAN STATES
1900 HASSELL ROAD
HOFFMAN STATES, IL 60169
ENERGY SUPPLY: CONTACT: LASHAWN LAO
PHONE: (708) 235-2346
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 38310-05061



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	375
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 3340
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #1
IL RTE 72 (HIGGINS RD) AT BEVERLY RD CABLE PLAN

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

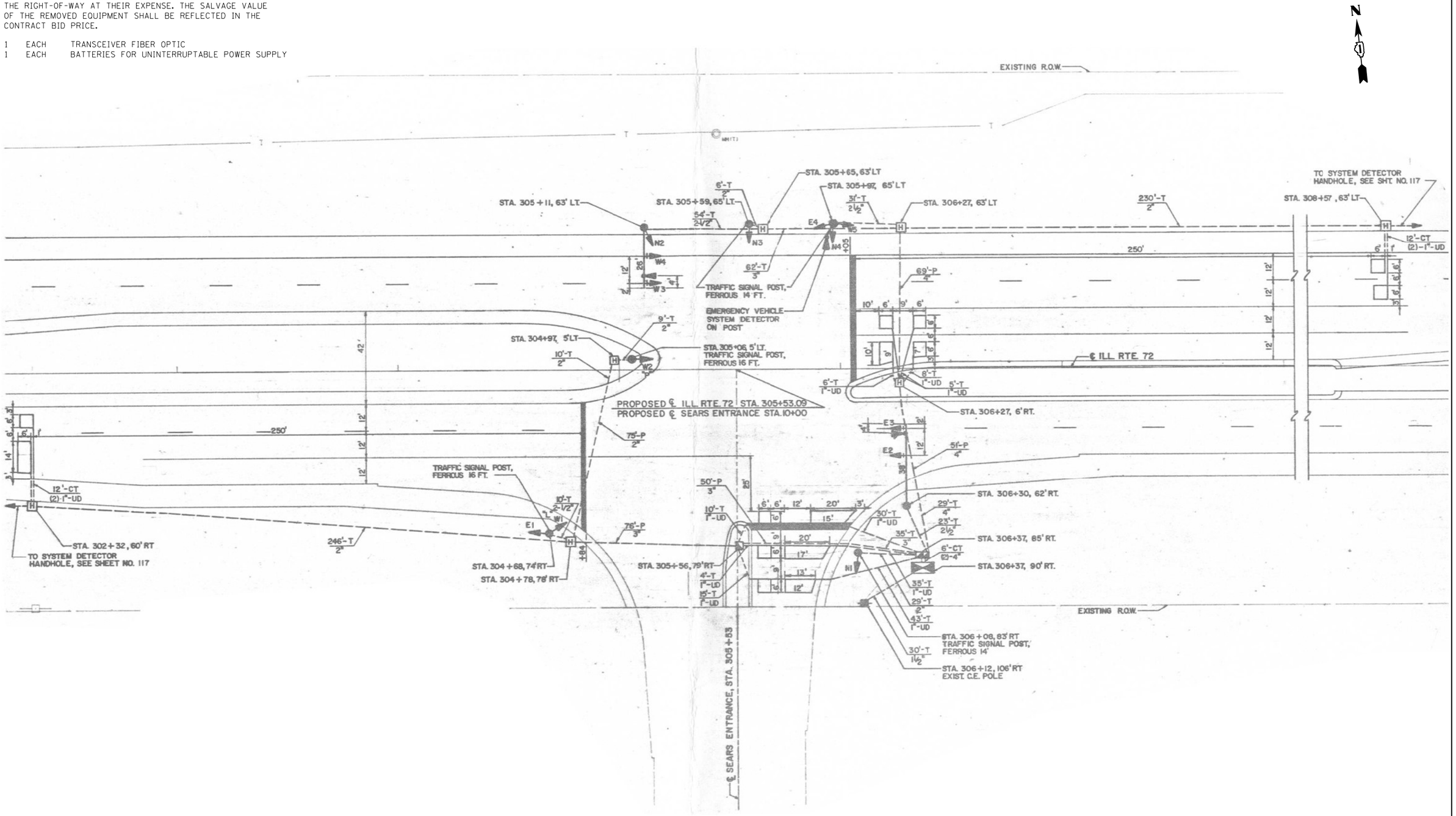
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	18
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\018_IL Rte 72 at Beverly RD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

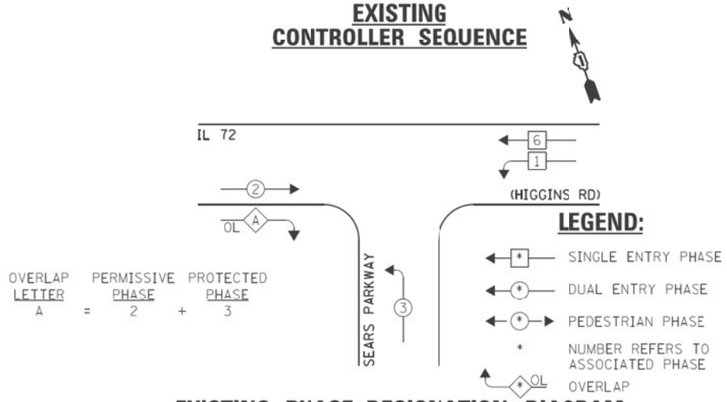
TS 21557
IDOT CENTRACS
FORMER ECON 90

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 5035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.:773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #2 IL RTE 72 (HIGGINS RD) AT SEARS PKWY INTERSECTION PLAN			
		DRAWN - EA, AV	REVISED -					
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -					
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	19
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

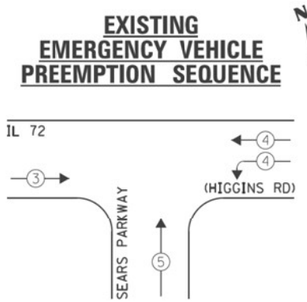
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\019_IL Rte 72 at Sears Pkwy_INT.dgn

EXISTING CONTROLLER SEQUENCE

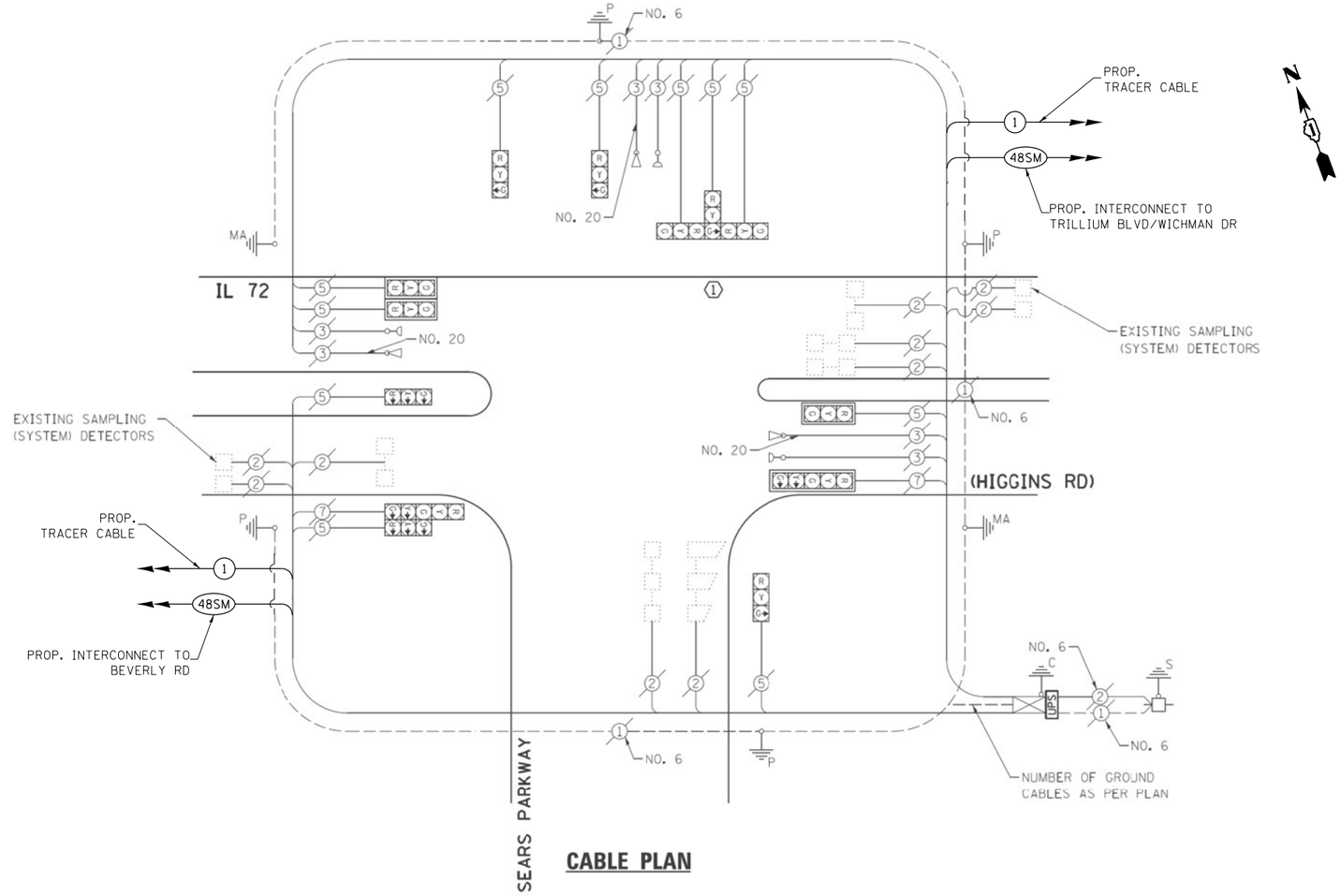


EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	—	⌐	↑



CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	13	135	17	0.50	110.5
SIGNAL (YELLOW)	13	135	25	0.25	81.25
SIGNAL (GREEN)	13	135	15	0.25	48.75
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	370.3

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMED - OAKBROOK TERRACE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 21557
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #2
IL RTE 72 (HIGGINS RD) AT SEARS PKWY CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	20
		CONTRACT NO. 62T53		

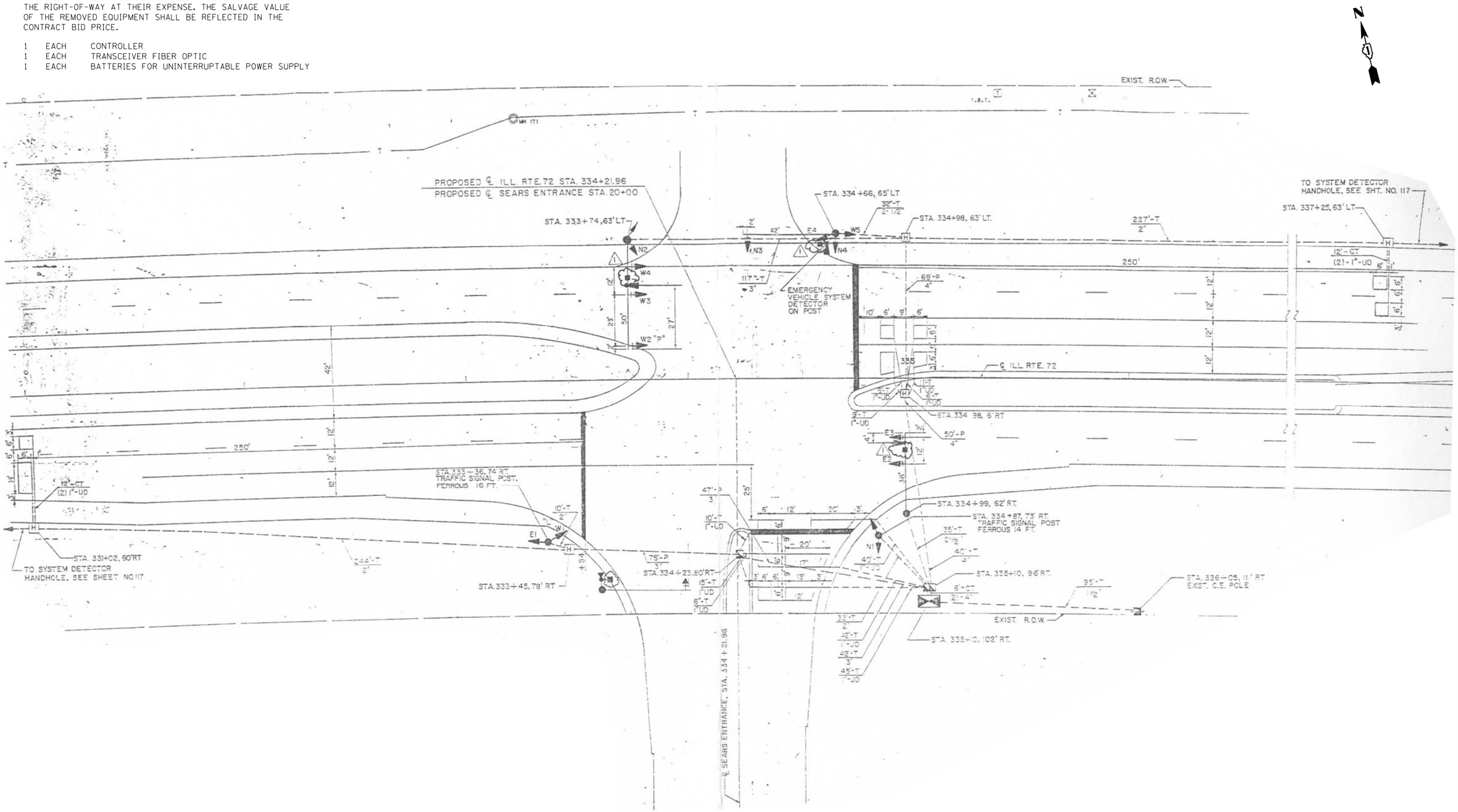
FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\020_IL Rte 72 at Sears Pkwy_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

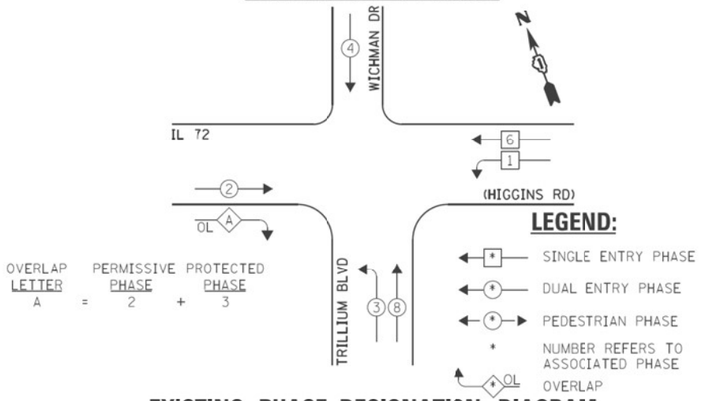
TS 21555
IDOT CENTRACS
FORMER ECON 90

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #3 IL RTE 72 (HIGGINS RD) AT TRILLIUM BLVD INTERSECTION PLAN
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	21
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\021_IL Rte 72 at Trillium Blvd_INT.dgn

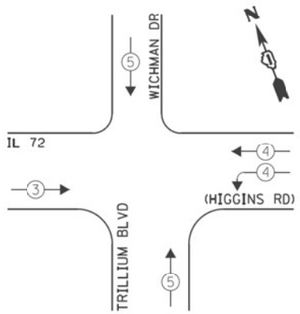
EXISTING CONTROLLER SEQUENCE



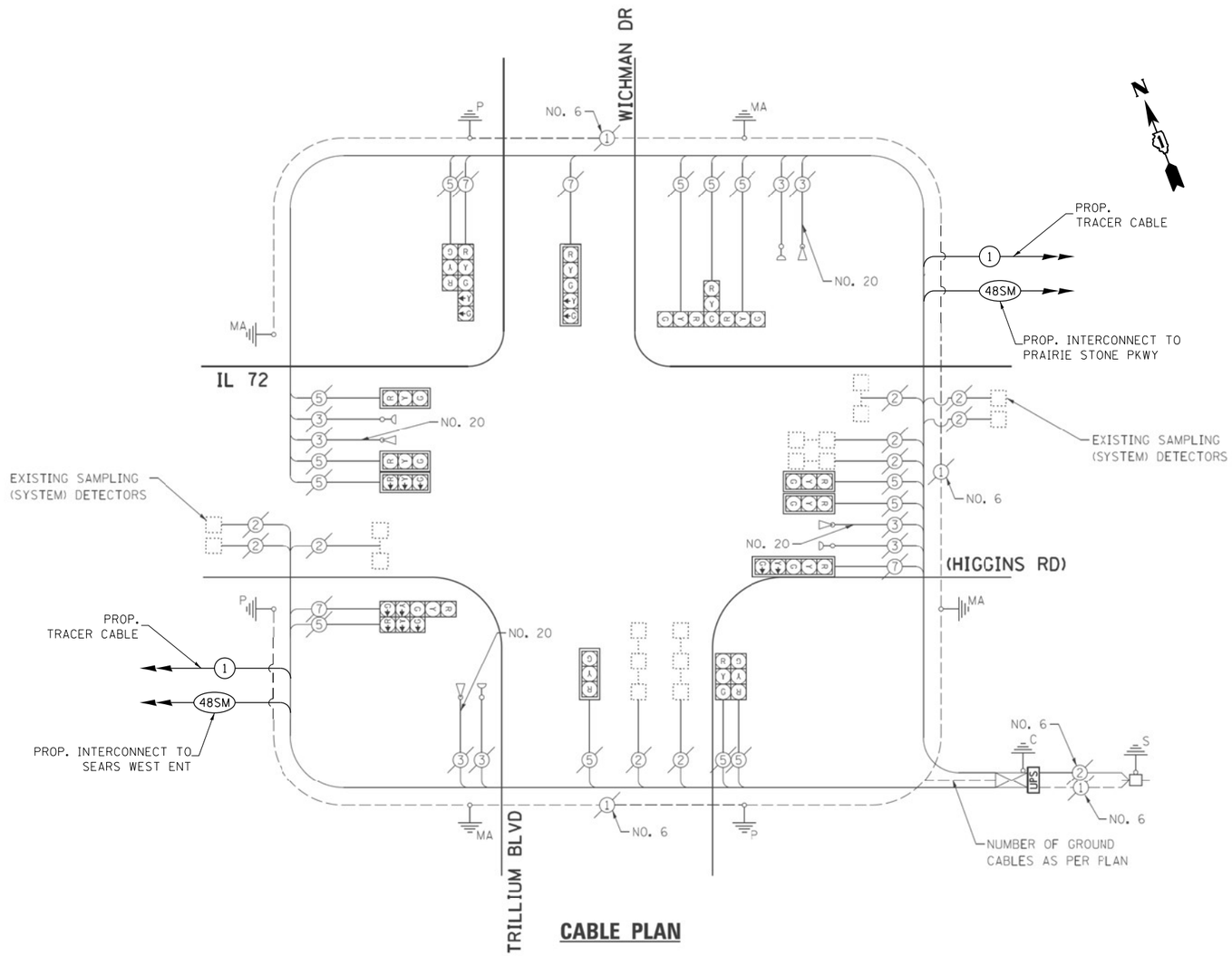
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	⌐	↑↑



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	17	135	17	0.50	144.5
SIGNAL (YELLOW)	17	135	25	0.25	106.25
SIGNAL (GREEN)	17	135	15	0.25	63.75
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	449.1

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMED - OAKBROOK TERRACE

TS 21555
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #3
IL RTE 72 (HIGGINS RD) AT TRILLIUM BLVD CABLE PLAN

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

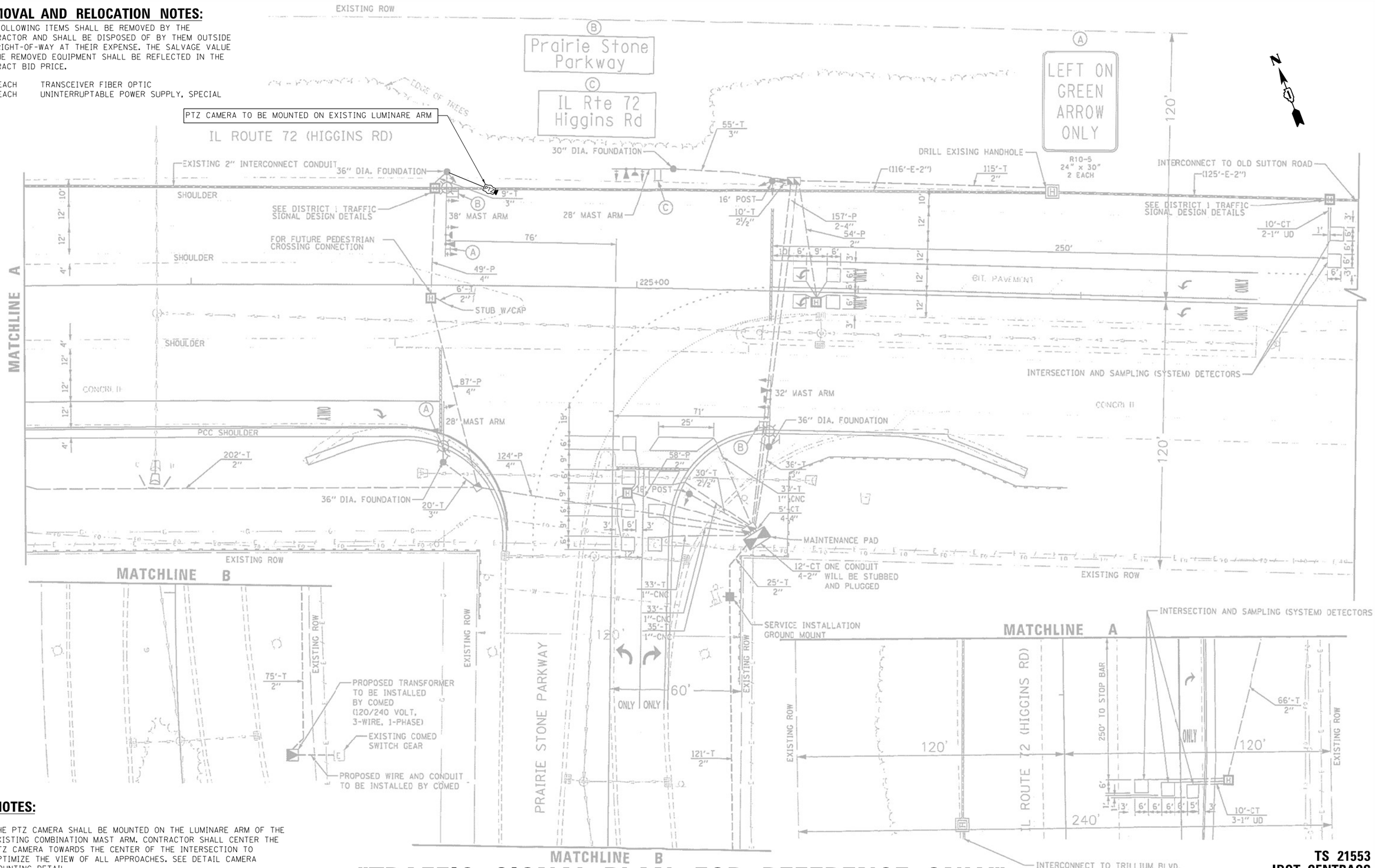
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	22
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\022_IL Rte 72 at Trillium Blvd_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21553
IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\023_IL Rte 72 at Prairie Stone Pkwy_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

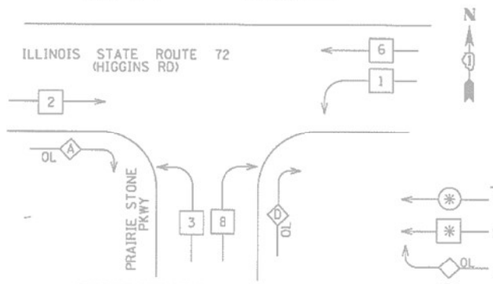
LOCATION #4
IL RTE 72 (HIGGINS RD) AT PRAIRIE STONE PKWY INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	23
		CONTRACT NO. 62T53		

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

CONTROLLER SEQUENCE

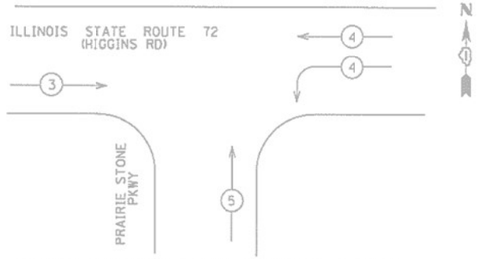


PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
D	=	8	+	1

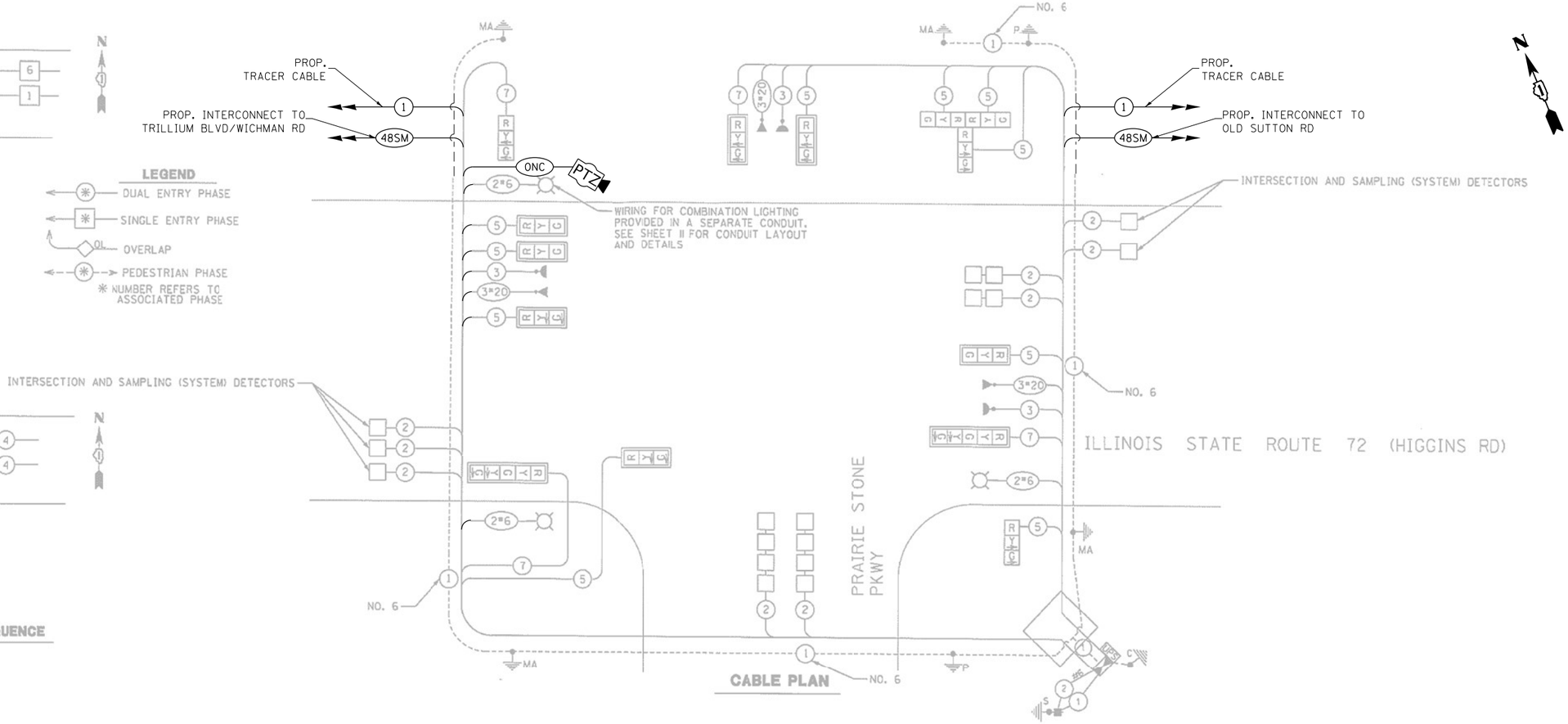
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE



EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	←	→



CABLE PLAN

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	
SIGNAL (RED)	14	135	17	0.50	119.00
(YELLOW)	7	135	25	0.25	43.75
(GREEN)	7	135	15	0.25	26.25
ARROW	18	135	12	0.10	21.60
PED. SIGNAL (FUTURE)	4	90	25	1.00	100.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN	0	84		0.05	0.00
STREET LIGHTS	3	310		0.50	465.00
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	875.60

ENERGY SUPPLY CONTACT: MARK GLOECKLE
PHONE: 630-691-4529
COMPANY: COMED

VILLAGE OF HOFFMAN ESTATES
1900 HASSELL ROAD
HOFFMAN ESTATES, ILL 60169

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	360
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 21553
IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\824_IL Rte 72 at Prairie Stone Pkwy_CD.dgn

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

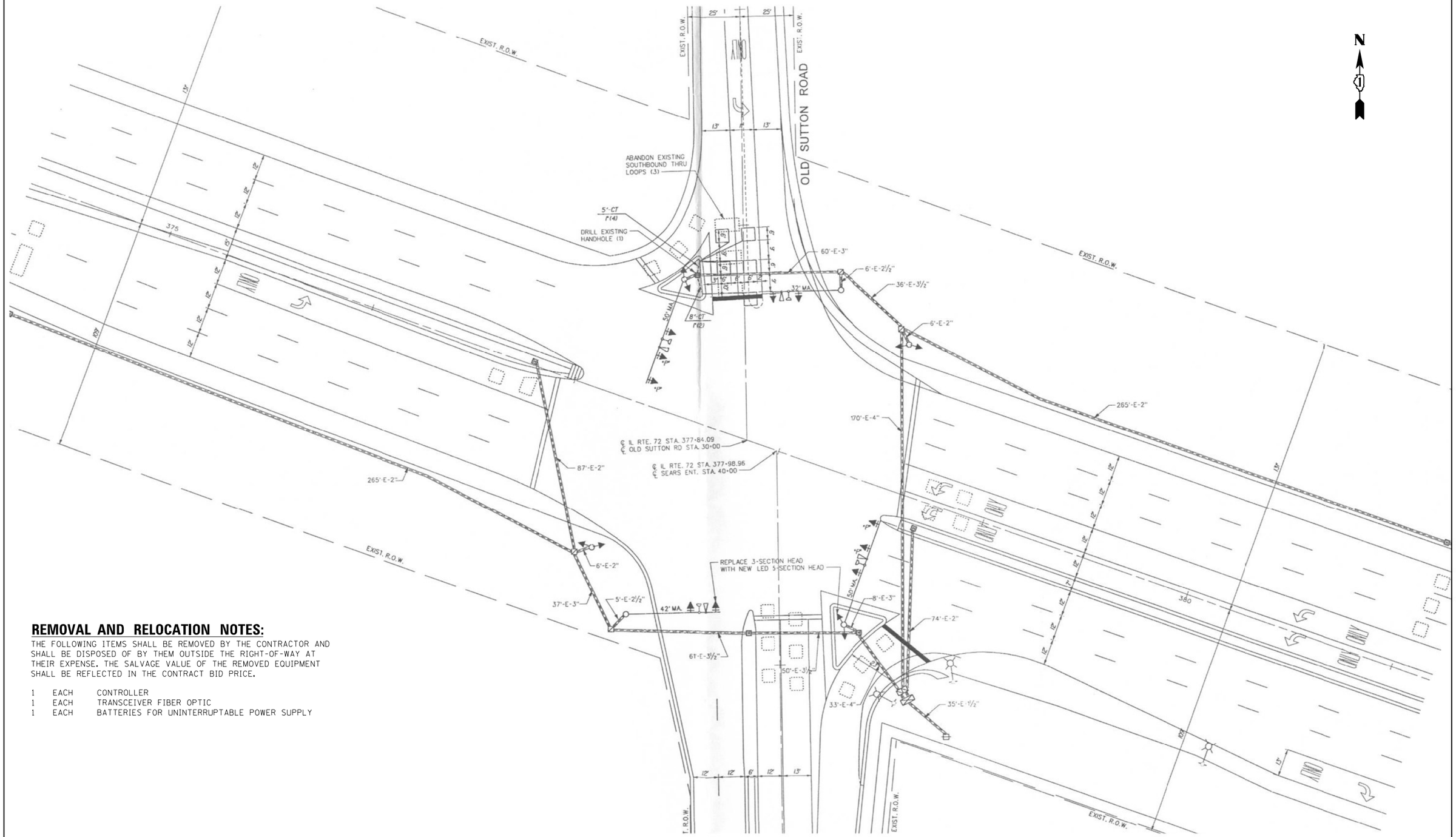
USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #4
IL RTE 72 (HIGGINS RD) AT PRAIRIE STONE PKWY CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	24
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21560
IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\025_IL Rte 72 (HIGGINS RD) at OLD SUTTON RD_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

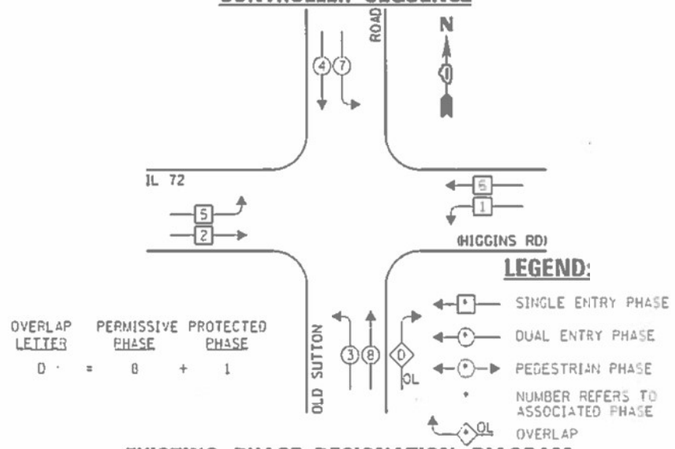
LOCATION #5
IL RTE 72 (HIGGINS RD) AT OLD SUTTON RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	25
		CONTRACT NO. 62T53		

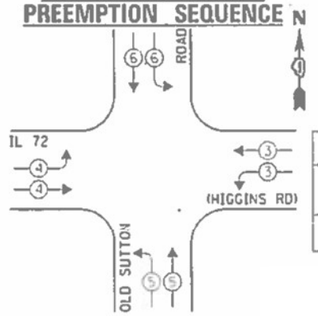
FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE

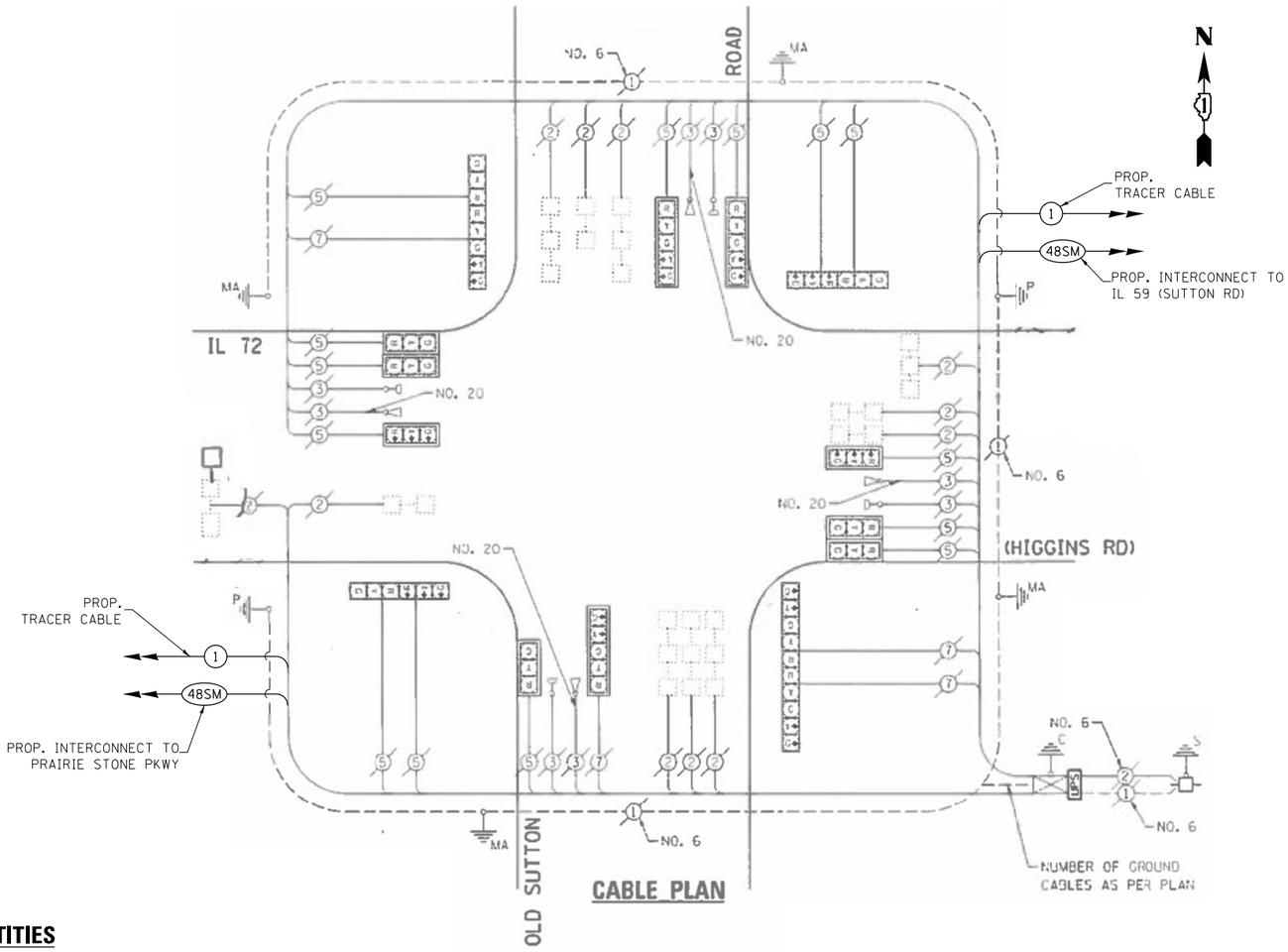


EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	⇉	⇉	⇇	⇇



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	135	17	0.50	153.0
SIGNAL (YELLOW)	18	135	25	0.25	112.5
SIGNAL (GREEN)	18	135	15	0.25	67.5
ARROW	12	135	12	0.10	14.4
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	472.4

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMED - OAKBROOK TERRACE

TS 21560
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #5
IL RTE 72 (HIGGINS RD) AT OLD SUTTON RD CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	26
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\026_IL Rte 72 (HIGGINS RD) at OLD SUTTON RD_CD.dgn

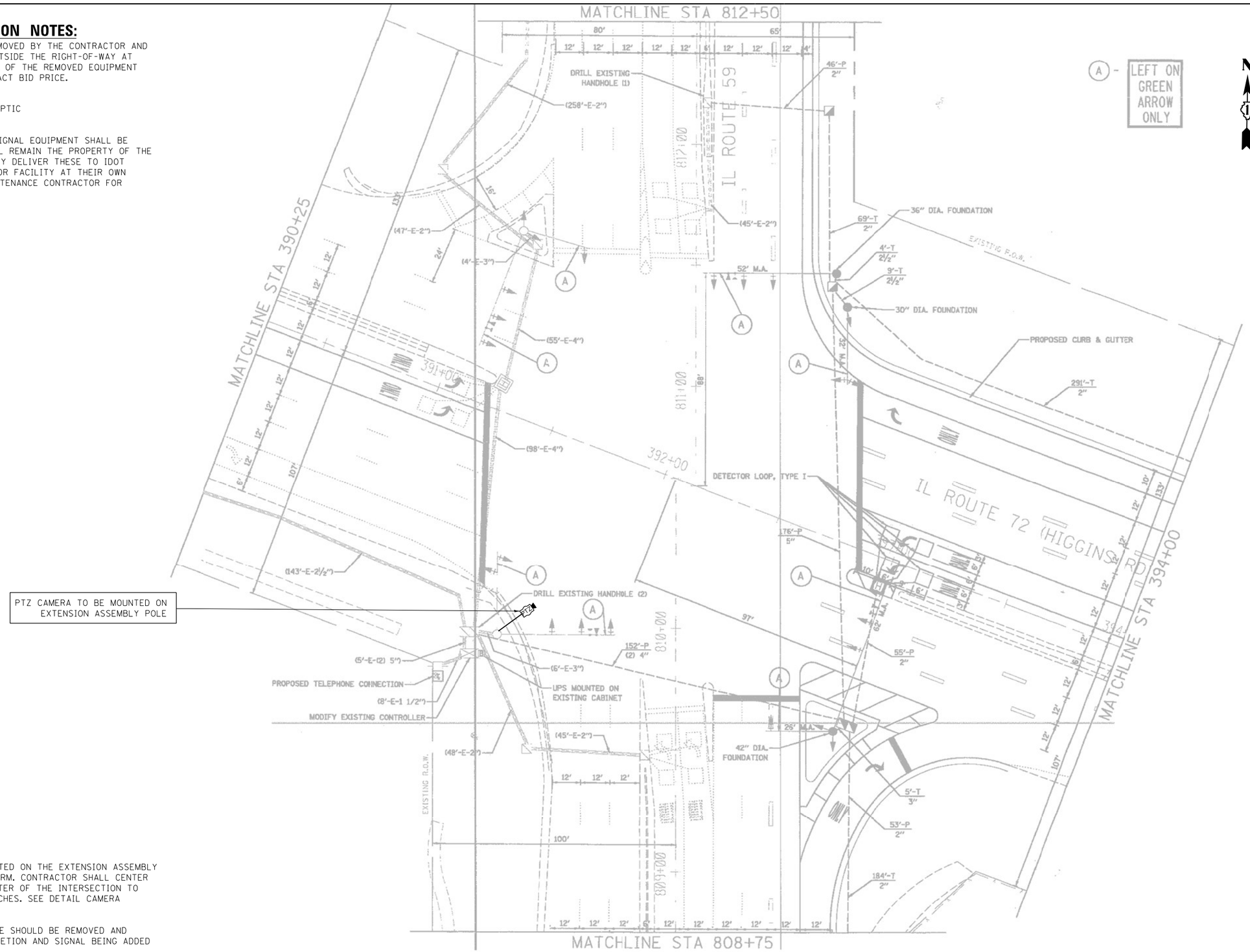
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC
1 EACH TELEPHONE LINE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH MASTER CONTROLLER



PTZ CAMERA TO BE MOUNTED ON EXTENSION ASSEMBLY POLE

NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. THE TELEPHONE LINE AND SERVICE SHOULD BE REMOVED AND DISCONNECTED UPON PROJECT COMPLETION AND SIGNAL BEING ADDED TO CENTRACS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2895
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

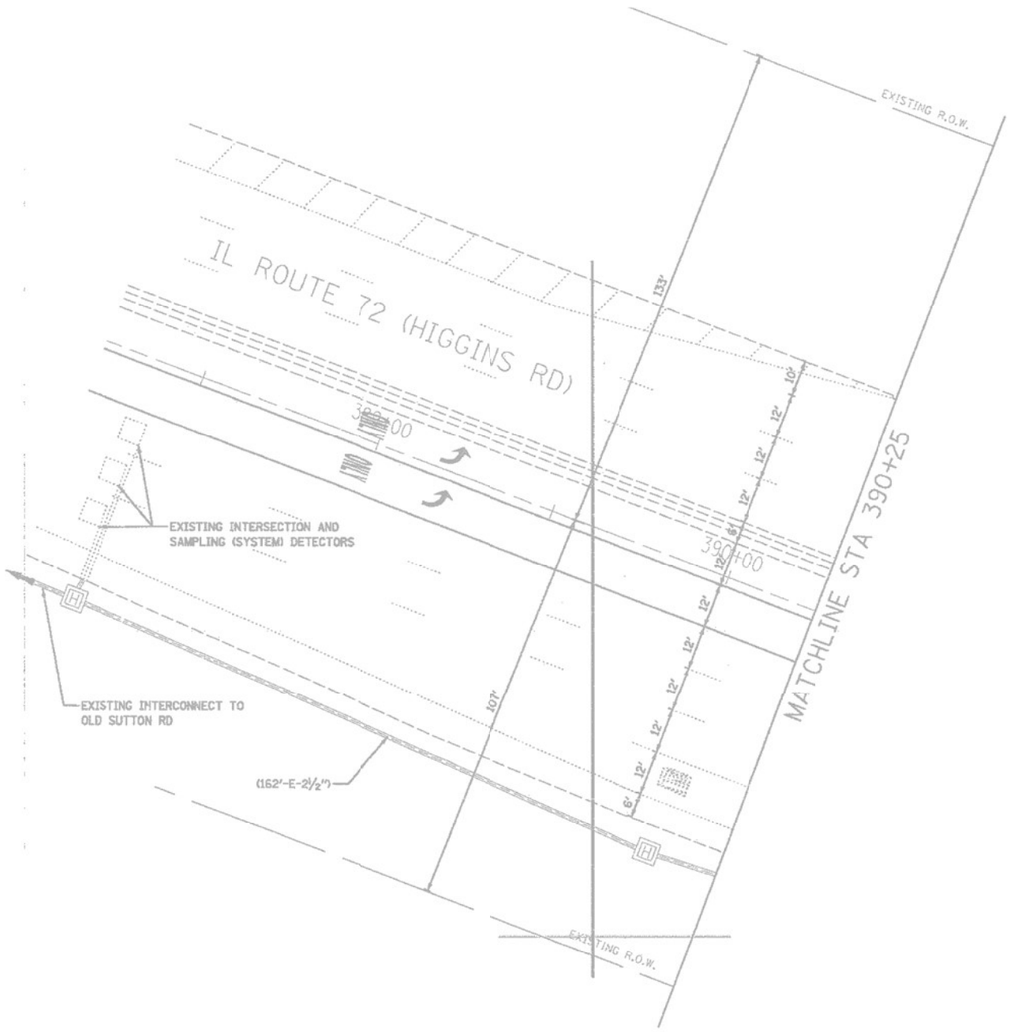
LOCATION #6
IL RTE 59 AT IL RTE 72 (HIGGINS RD) INTERSECTION PLAN
SHEET 1

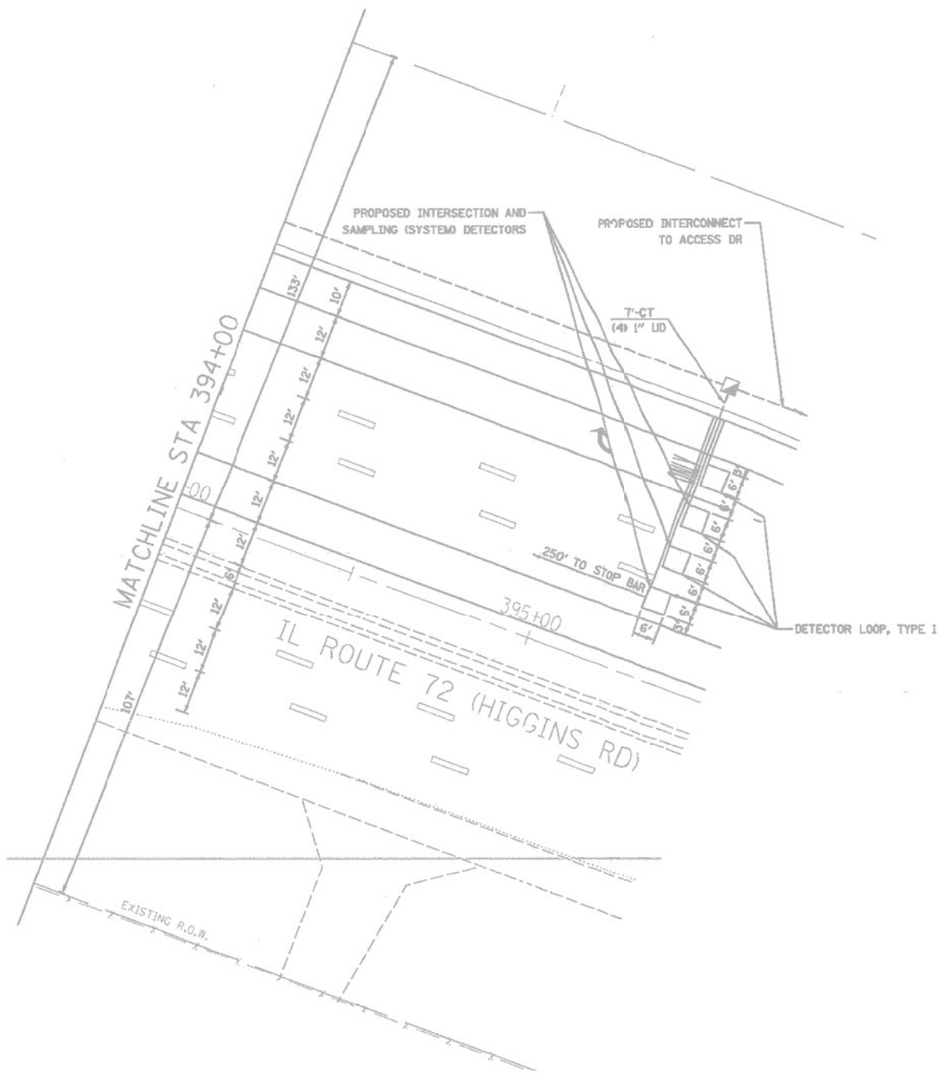
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	27
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\027_IL Rte 59 at IL RTE 72 (HIGGINS RD)_INT.dgn





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"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2895
IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\028_IL Rte 59 at IL RTE 72 (HIGGINS RD)_INT_2.dgn

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

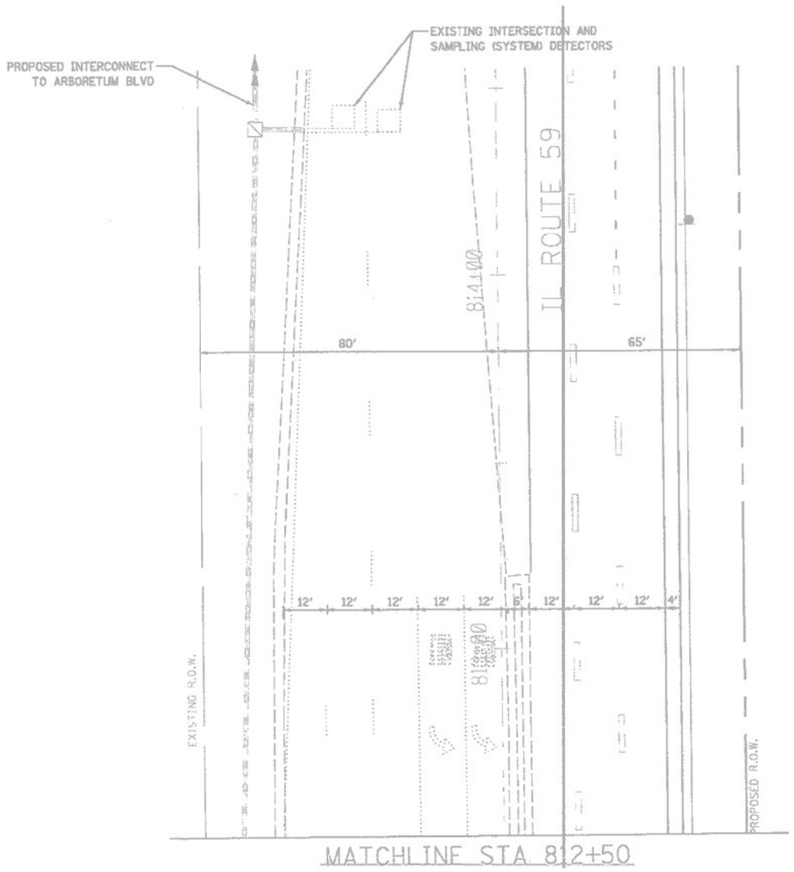
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

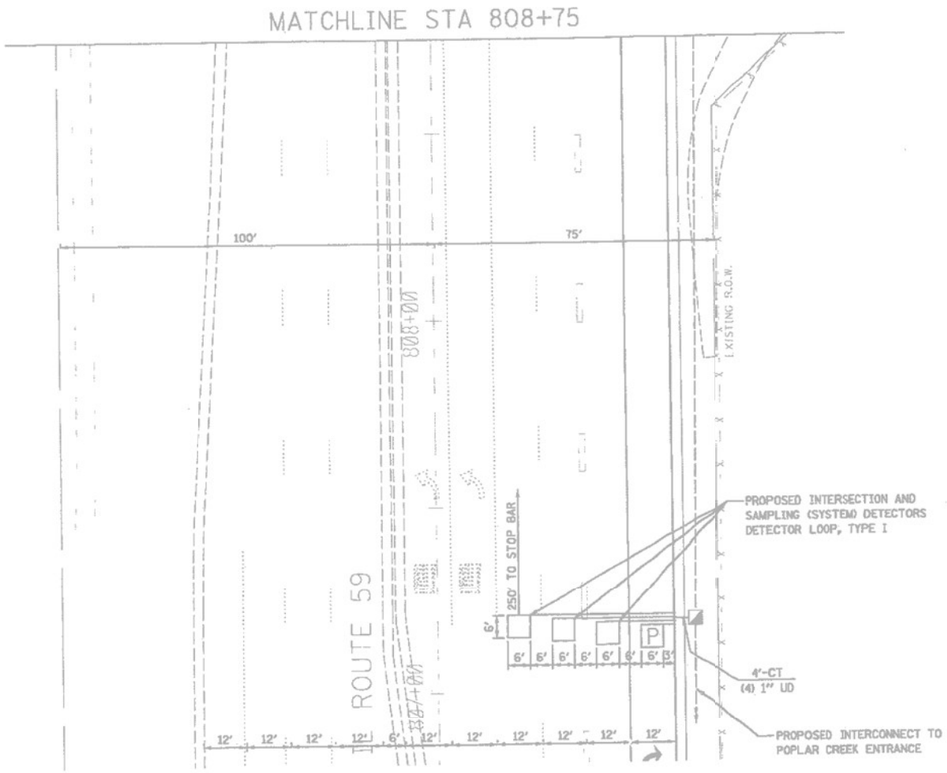
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #6
IL RTE 59 AT IL RTE 72 (HIGGINS RD) INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	28
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		





"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2895
IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-5101-Centracs Phase 3\CADD_Sheets\029_IL Rte 59 at IL RTE 72 (HIGGINS RD)_INT_3.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

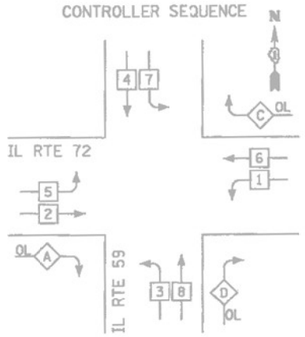
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #6
IL RTE 59 AT IL RTE 72 (HIGGINS RD) INTERSECTION PLAN
SHEET 3

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	29
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE



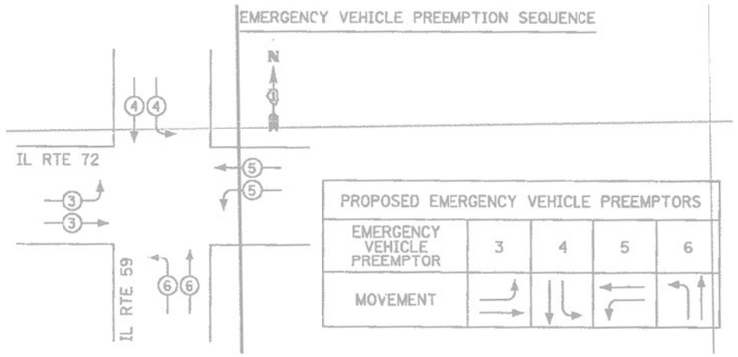
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

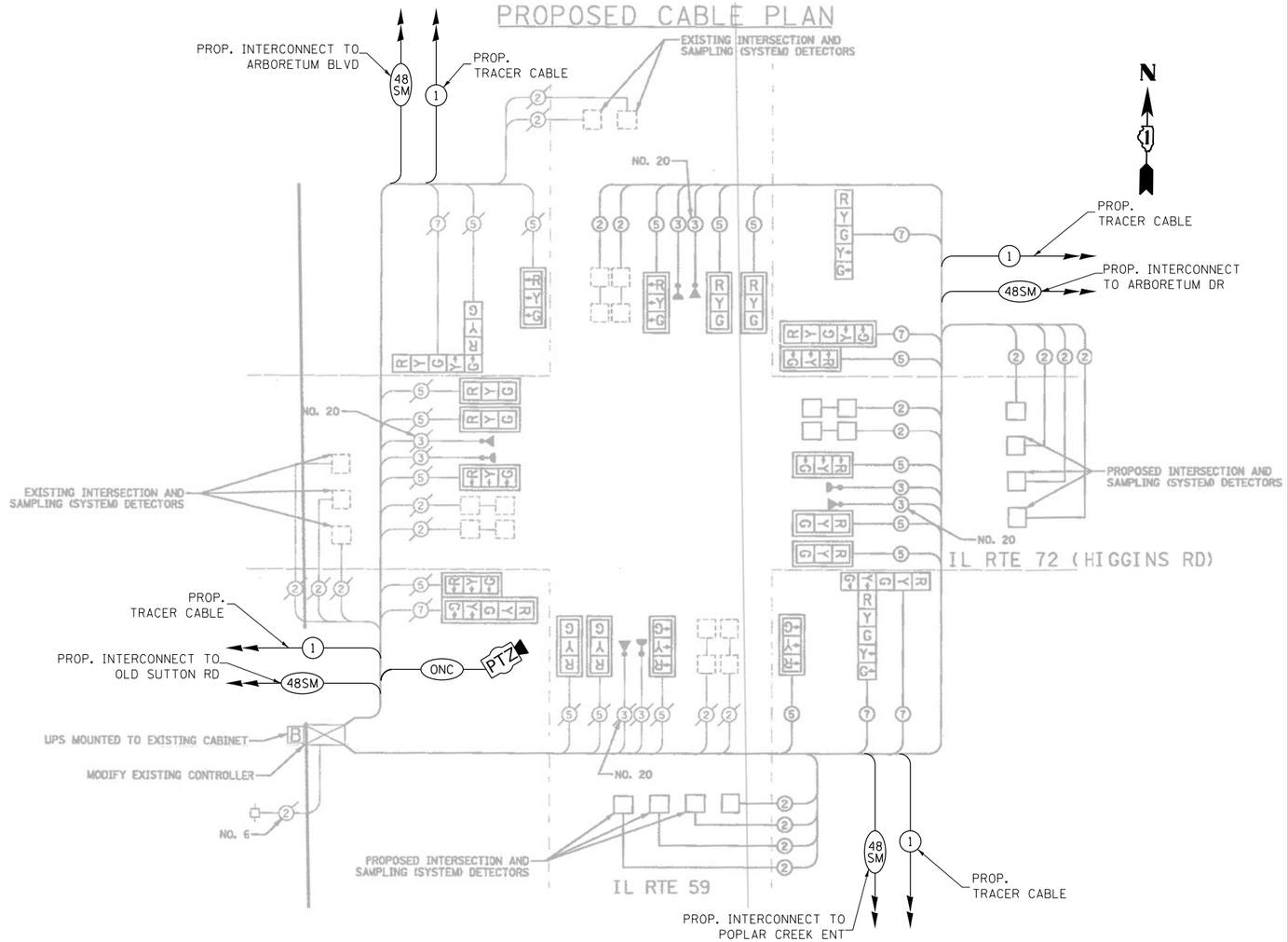
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
C	=	6	+	7
D	=	8	+	1

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

PROPOSED CABLE PLAN



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	100
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
LAYER III (DATALINK) SWITCH	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	24		17	0.50	204.0
(YELLOW)	24		25	0.25	150.0
(GREEN)	24		15	0.25	90.0
ARROW	12		12	0.10	14.4
PED. SIGNAL	-		25	1.00	-
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-			0.05	-
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	558.4

VILLAGE OF SOUTH BARRINGTON
30 SOUTH BARRINGTON ROAD
SOUTH BARRINGTON, ILLINOIS 60010
ENERGY SUPPLY CONTACT: JOE HUSS
PHONE: (630) 691-4614
COMPANY: COMED

TS 2895
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #6
IL RTE 59 AT IL RTE 72 (HIGGINS RD) CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	30
		CONTRACT NO. 62T53		

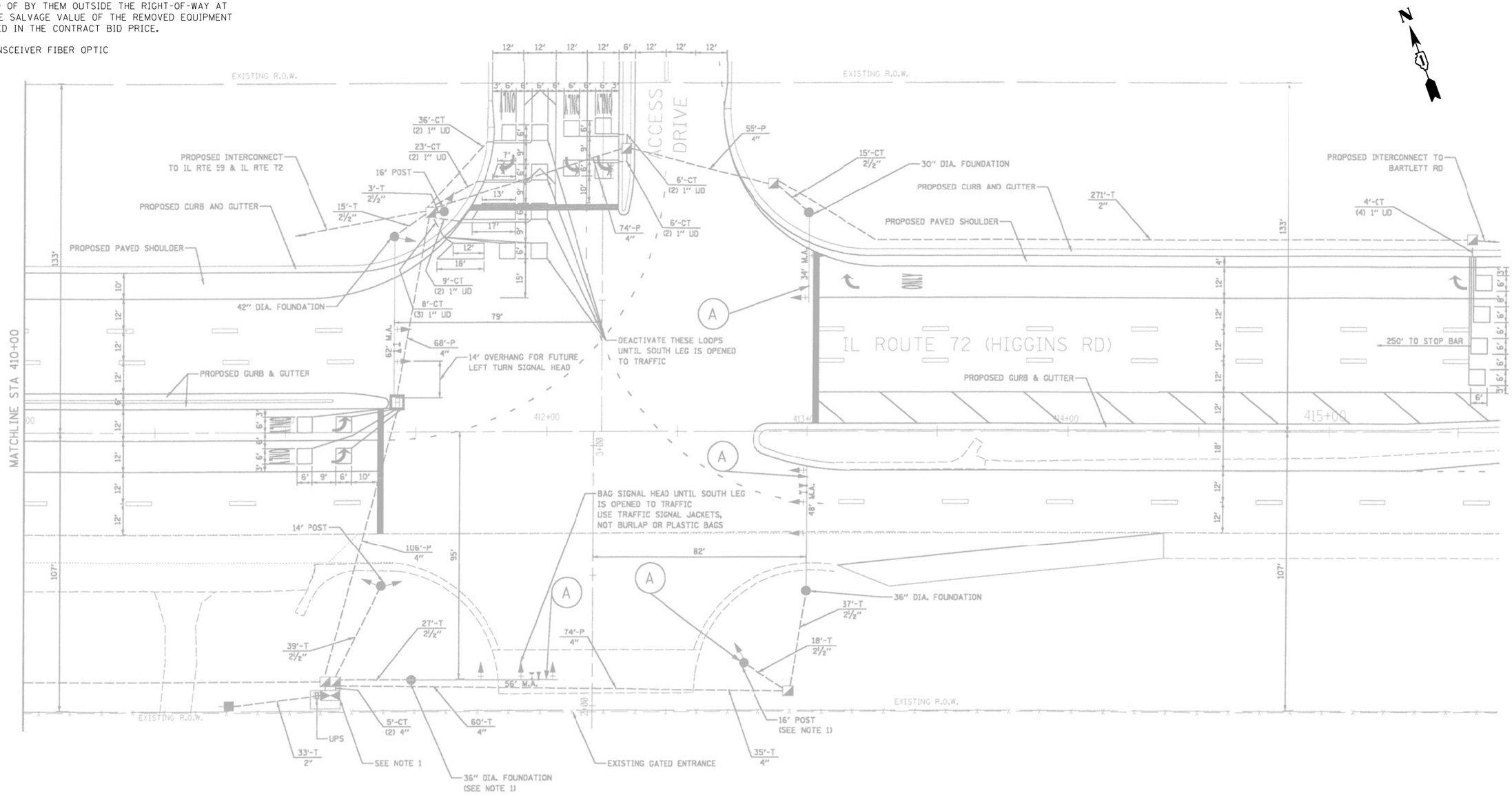
FED. ROAD DIST. NO. - | ILLINOIS | FED. AID PROJECT

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-5101-Centracs Phase 3\CADD_Sheets\030_IL Rte 59 at IL RTE 72 (HIGGINS RD)_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3297
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

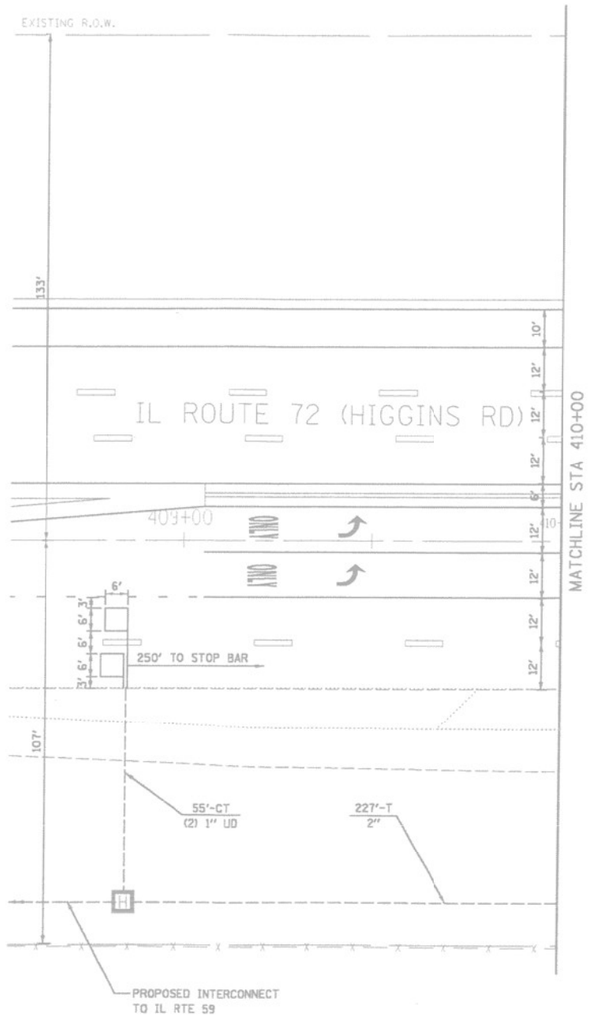
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #7
IL RTE 72 (HIGGINS RD) AT ARBORETUM DR INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	31
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\031_IL Rte 72 (HIGGINS RD) at ARBORETUM DR_INT.dgn



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3297
IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\032_IL Rte 72 (HIGGINS RD) at ARBORETUM DR_INT_2.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

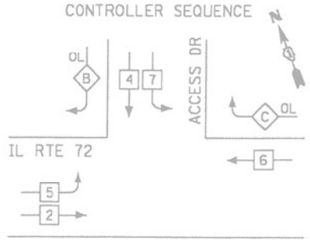
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #7
IL RTE 72 (HIGGINS RD) AT ARBORETUM DR INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	32
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

.E SHALL NTO THE

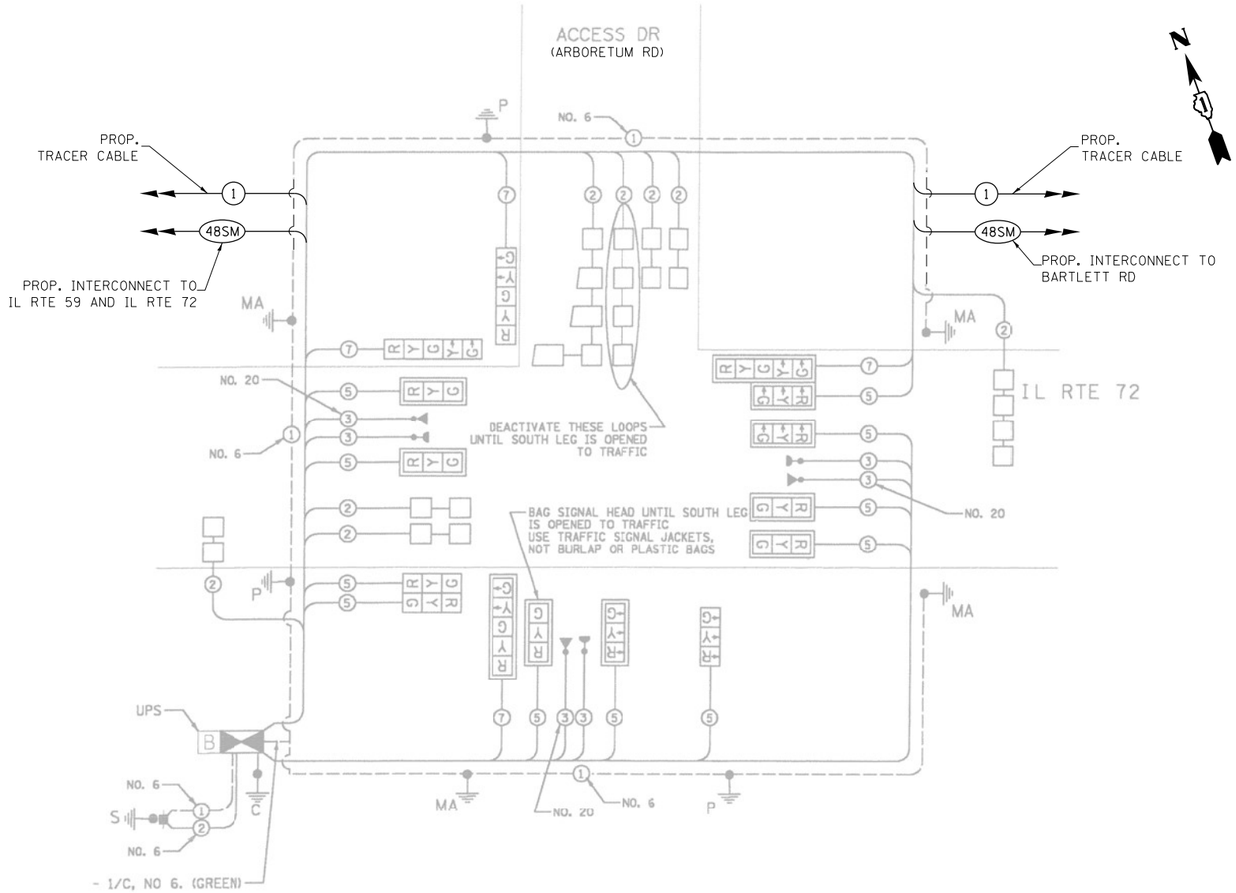
PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	6	+	7

EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

PROPOSED CABLE PLAN



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
Ssplice FIBER IN CABINET	EACH	6
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	X WATTAGE INCAND.	WATTAGE LED	X %OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15		17	0.50	127.5
(YELLOW)	15		25	0.25	93.75
(GREEN)	15		15	0.25	56.25
ARROW	8		12	0.10	9.6
PED. SIGNAL	-		25	1.00	-
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-			0.05	-
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	387.1

VILLAGE OF SOUTH BARRINGTON
30 SOUTH BARRINGTON ROAD
SOUTH BARRINGTON, ILLINOIS 60010
ENERGY SUPPLY CONTACT: JOE HUSS
PHONE: (630) 691-4614
COMPANY: COMED

TS 3297
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #7
IL RTE 72 (HIGGINS RD) AT ARBORETUM DR CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	33
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\033_IL Rte 72 (HIGGINS RD) at ARBORETUM DR_CD.dgn

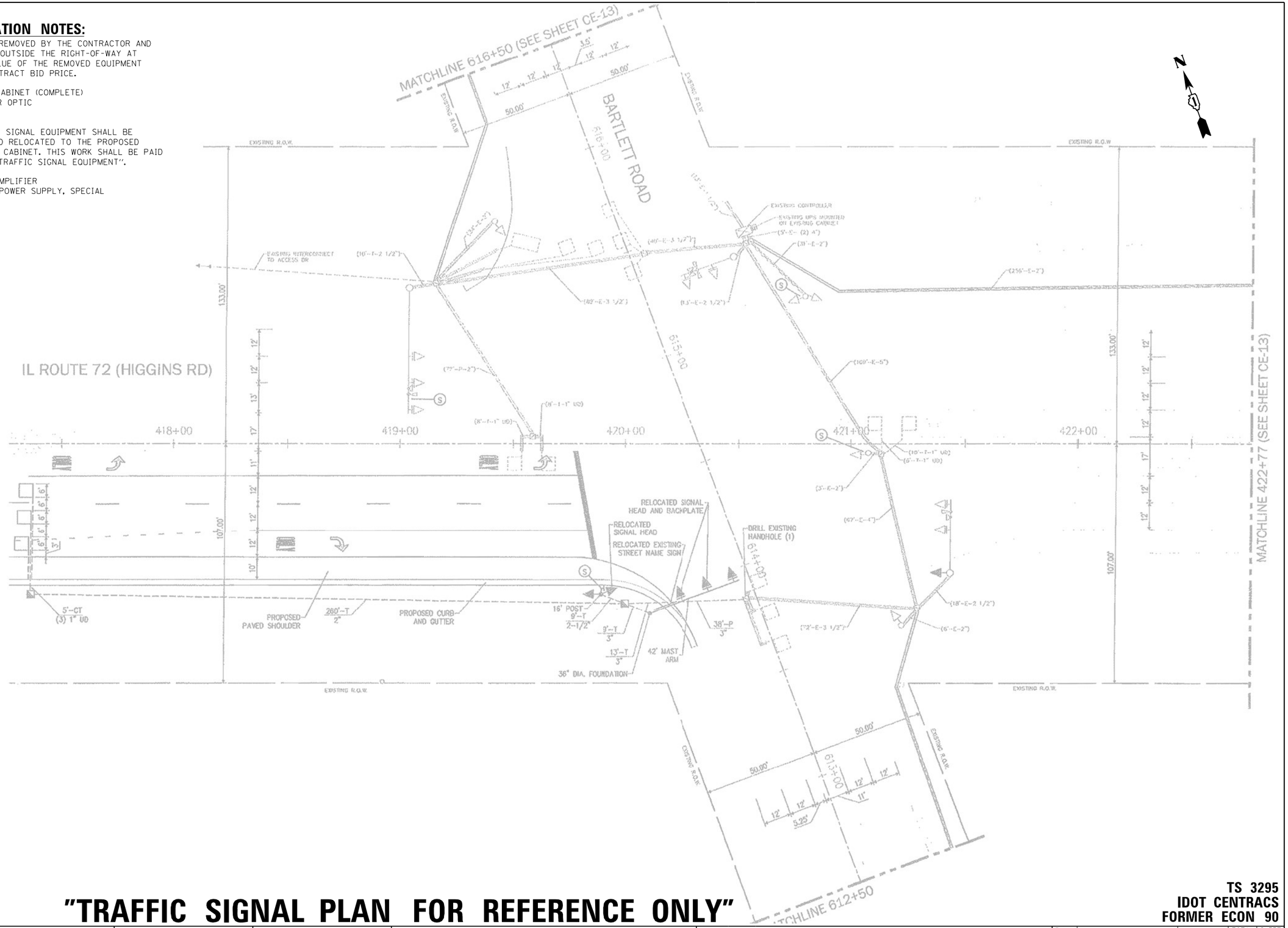
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)
1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3295
IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\034_IL Rte 72 (HIGGINS RD) at BARTLETT RD_INT.dgn

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

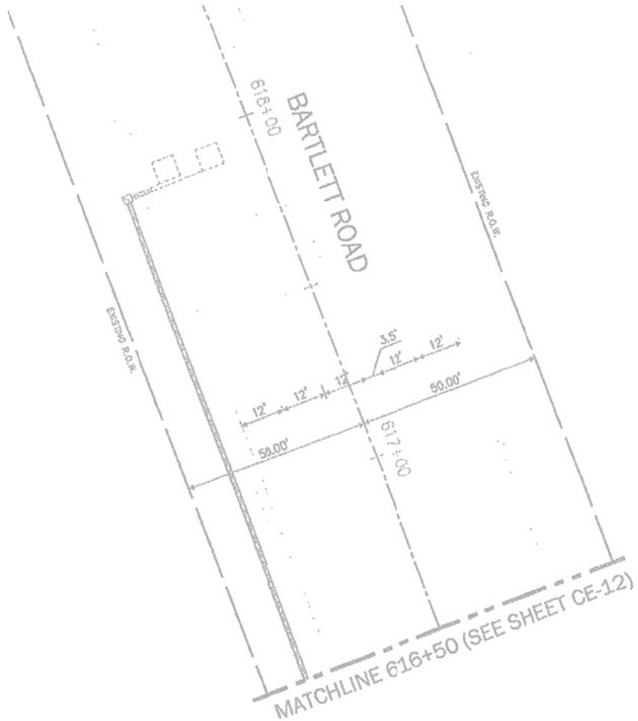
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

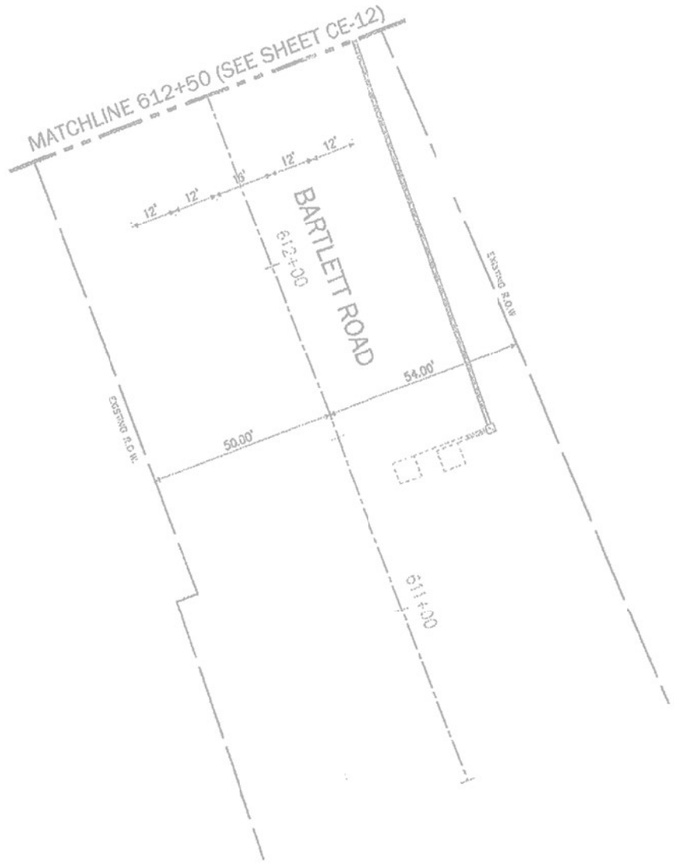
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

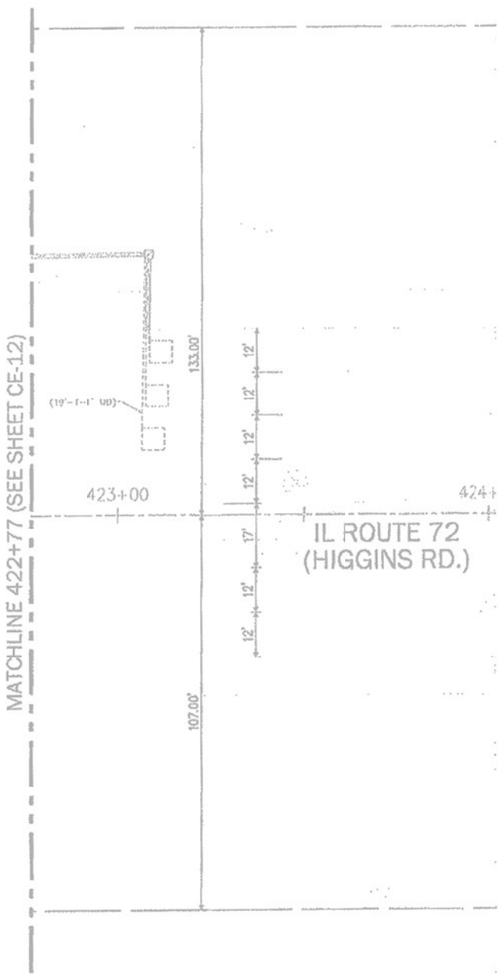
LOCATION #8
IL RTE 72 (HIGGINS RD) AT BARTLETT RD INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	34
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		







"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3295
IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\035_IL Rte 72 (HIGGINS RD) at BARTLETT RD_INT_2.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

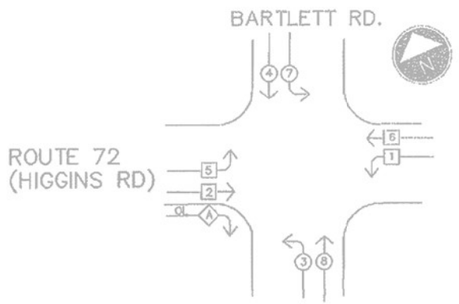
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #8
IL RTE 72 (HIGGINS RD) AT BARTLETT RD INTERSECTION PLAN
SHEET 2

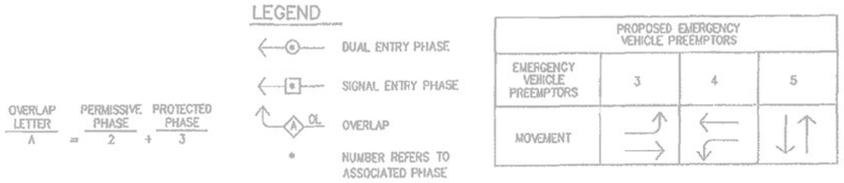
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

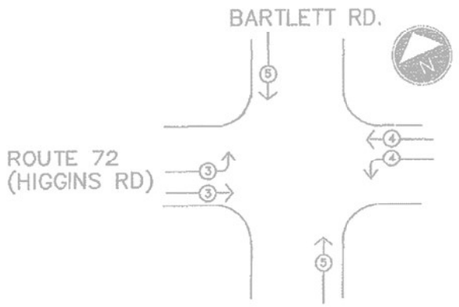
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	35
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM





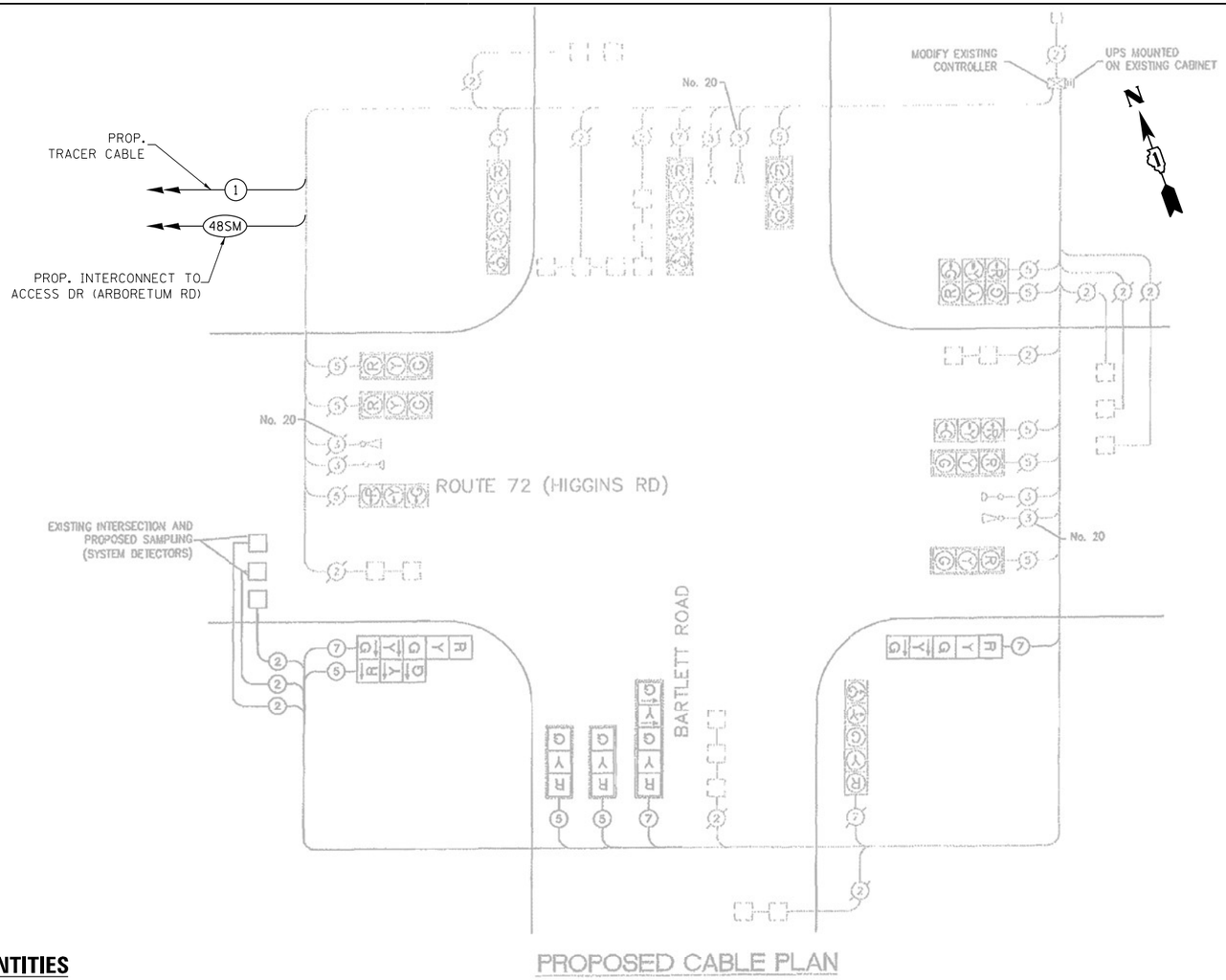
EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	--	17	0.50	153
(YELLOW)	18	--	25	0.25	112.5
(GREEN)	18	--	15	0.25	67.5
ARROW	10	--	12	0.10	12.0
PED. SIGNAL	--	--	25	1.00	--
CONTROLLER	1	--	100	1.00	100.0
ILLUM. SIGN	--	--	--	0.05	--
	--	--	--	--	--
	--	--	--	--	--
	--	--	--	--	--
	--	--	--	--	--
FLASHER	--	--	--	0.50	--
ENERGY COSTS TO:				TOTAL =	445.0

VILLAGE HOFFMAN ESTATES
1900 HASSELL ROAD
HOFFMAN ESTATES, ILLINOIS 60195

ENERGY SUPPLY CONTACT: JOE HUSS
PHONE: 630-691-4614
COMPANY: COM



PROPOSED CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	13
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 3295
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #8
IL RTE 72 (HIGGINS RD) AT BARTLETT RD CABLE PLAN

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

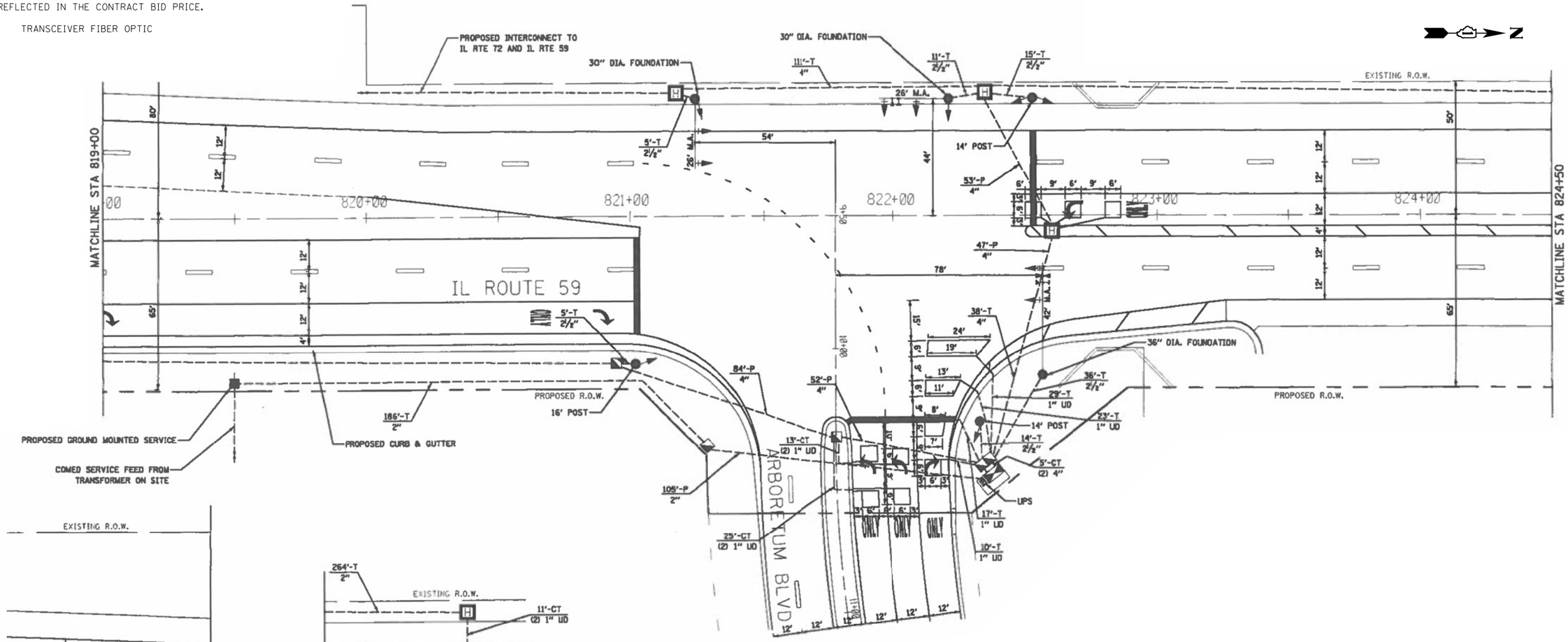
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	36
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\036_IL Rte 72 (HIGGINS RD) at BARTLETT RD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2899
IDOT CENTRACS
FORMER ECON 90

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:(773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
		DRAWN - EA, AV	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

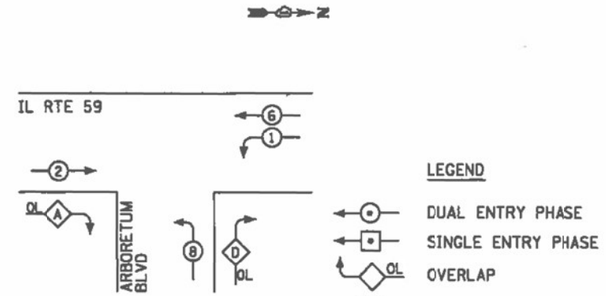
LOCATION #9
IL RTE 59 AT ARBORETUM BLVD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	37
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\037_IL Rte 59 at ARBORETUM BLVD_INT.dgn

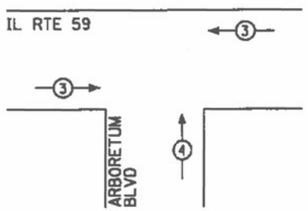
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

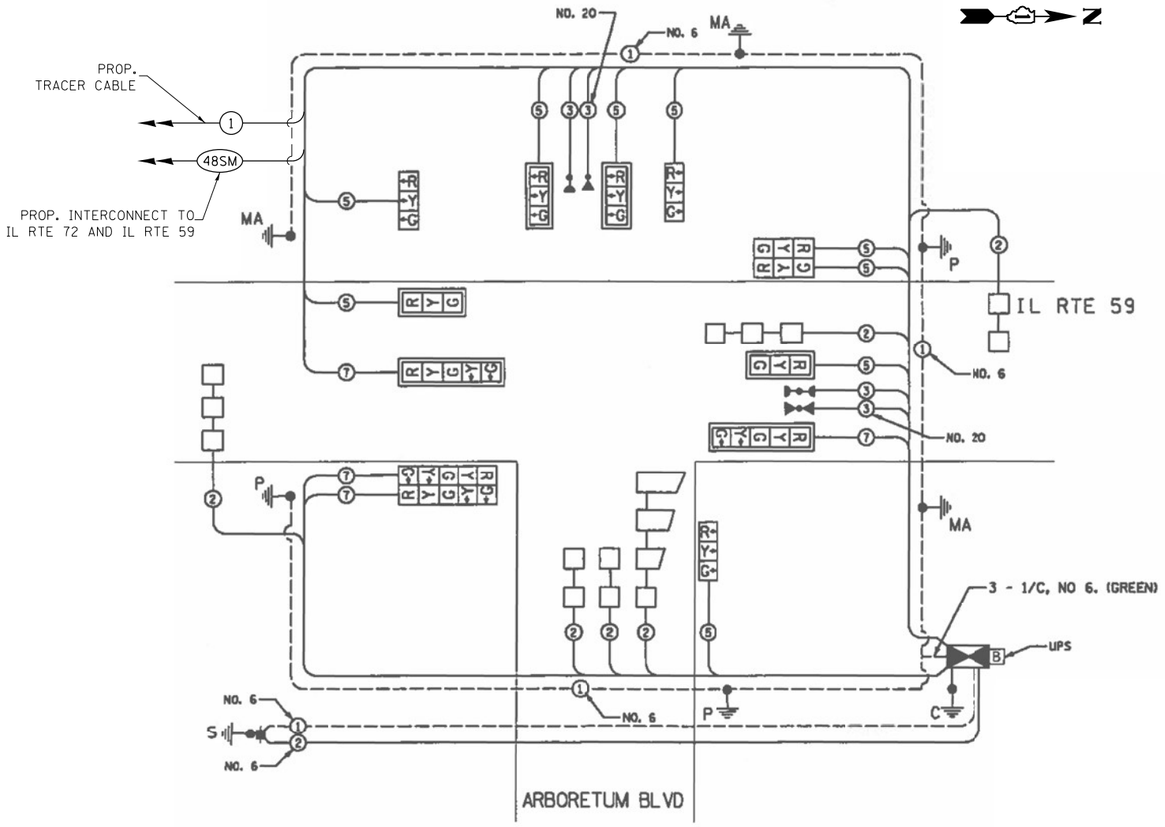
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	8
D	=	8	+	1

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑

PROPOSED CABLE PLAN



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13		17	0.50	110.5
(YELLOW)	13		25	0.25	81.25
(GREEN)	13		15	0.25	48.75
ARROW	8		12	0.10	9.6
PED. SIGNAL	-		25	1.00	-
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-			0.05	-
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	350.1

VILLAGE OF SOUTH BARRINGTON
30 SOUTH BARRINGTON ROAD
SOUTH BARRINGTON, ILLINOIS 60010
ENERGY SUPPLY CONTACT: JOE HUSS
PHONE: (630) 691-4614
COMPANY: COMED

TS 2899
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$
PLOT SCALE = 40.0000 ' / in.
PLOT DATE = $DATE$

DESIGNED - EA
DRAWN - EA, AV
CHECKED - MS
DATE - 3/23/2023

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #9
IL RTE 59 AT ARBORETUM BLVD CABLE PLAN

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

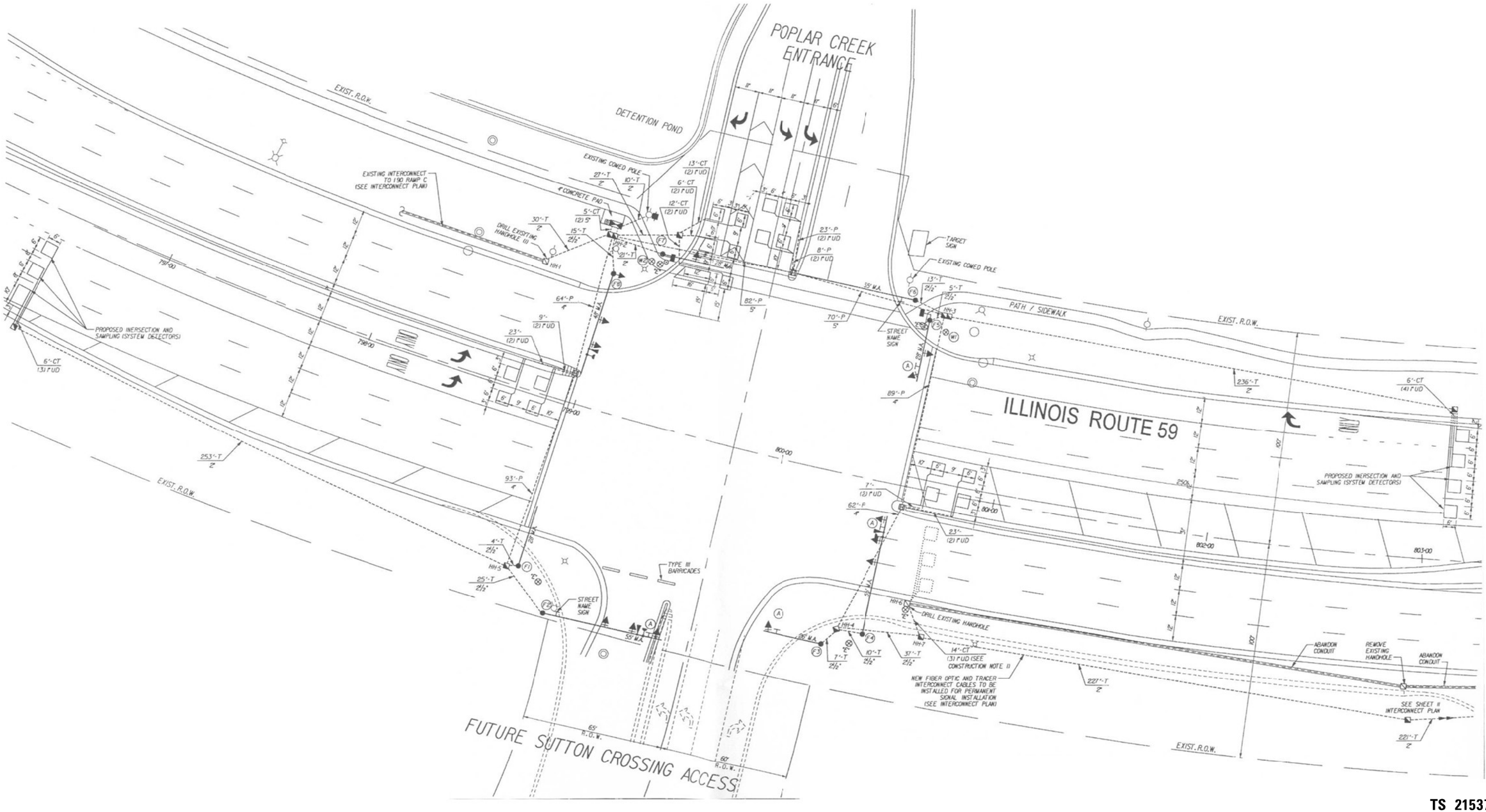
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	38
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\038_IL Rte 59 at ARBORETUM BLVD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

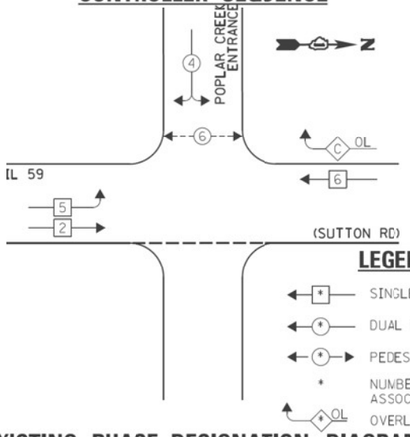
TS 21537
IDOT CENTRACS
FORMER ECON 90

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #10 IL RTE 59 AT POPLAR CREEK ENTRANCE INTERSECTION PLAN
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	39
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\039_IL Rte 59 at SHOPPING CENTER ENTRANCE_INT.dgn

EXISTING CONTROLLER SEQUENCE



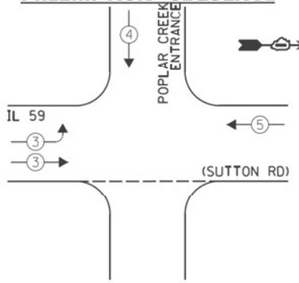
OVERLAP LETTER C = PERMISSIVE PHASE 7

LEGEND:

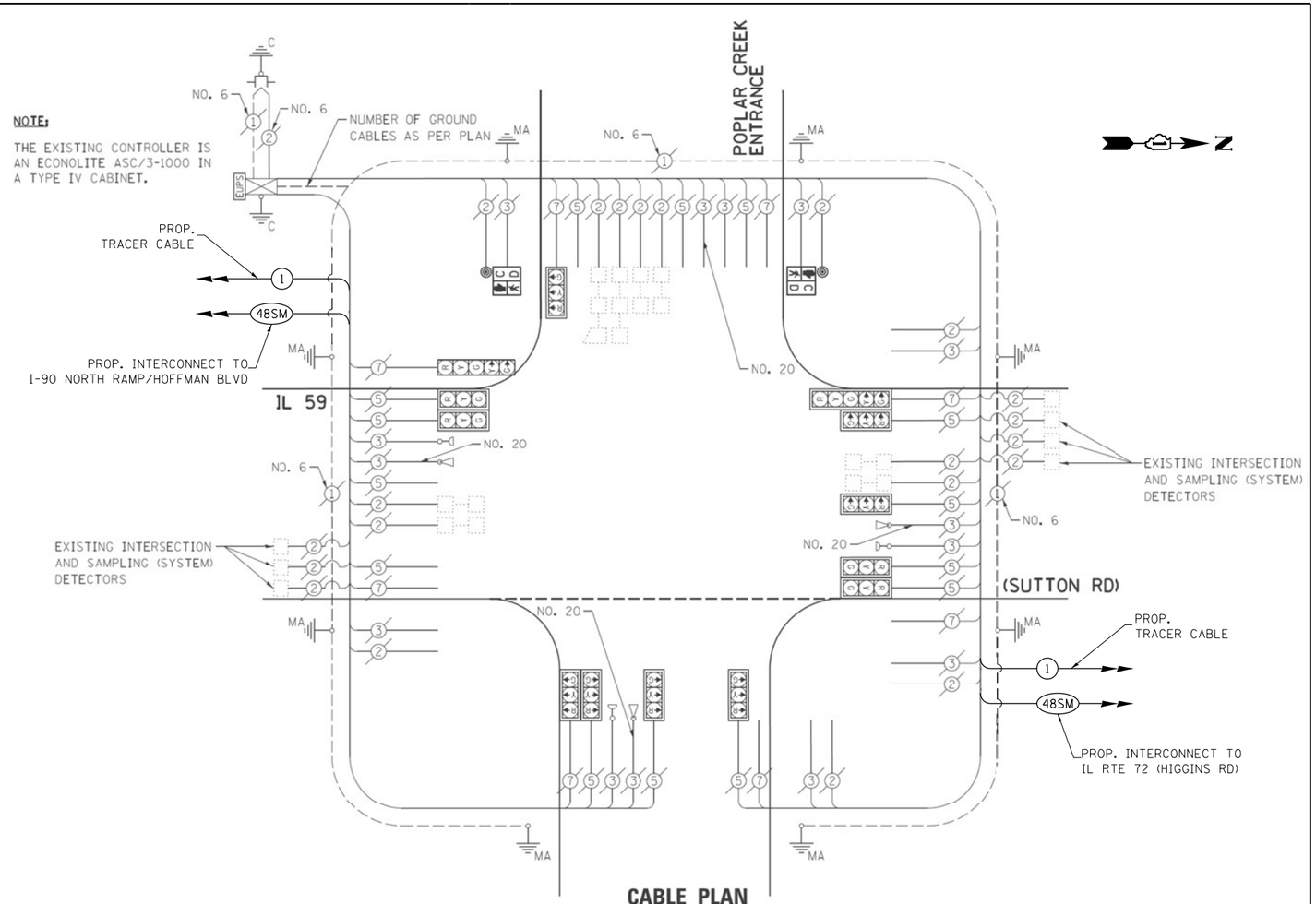
- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	⌟	↓	←



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	135	17	0.50	110.5
SIGNAL (YELLOW)	13	135	25	0.25	81.25
SIGNAL (GREEN)	13	135	15	0.25	48.75
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	2	90	25	1.00	50.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	420.3

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMED - OAKBROOK TERRACE

TS 21537
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #10
IL RTE 59 AT POPLAR CREEK ENTRANCE CABLE PLAN

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

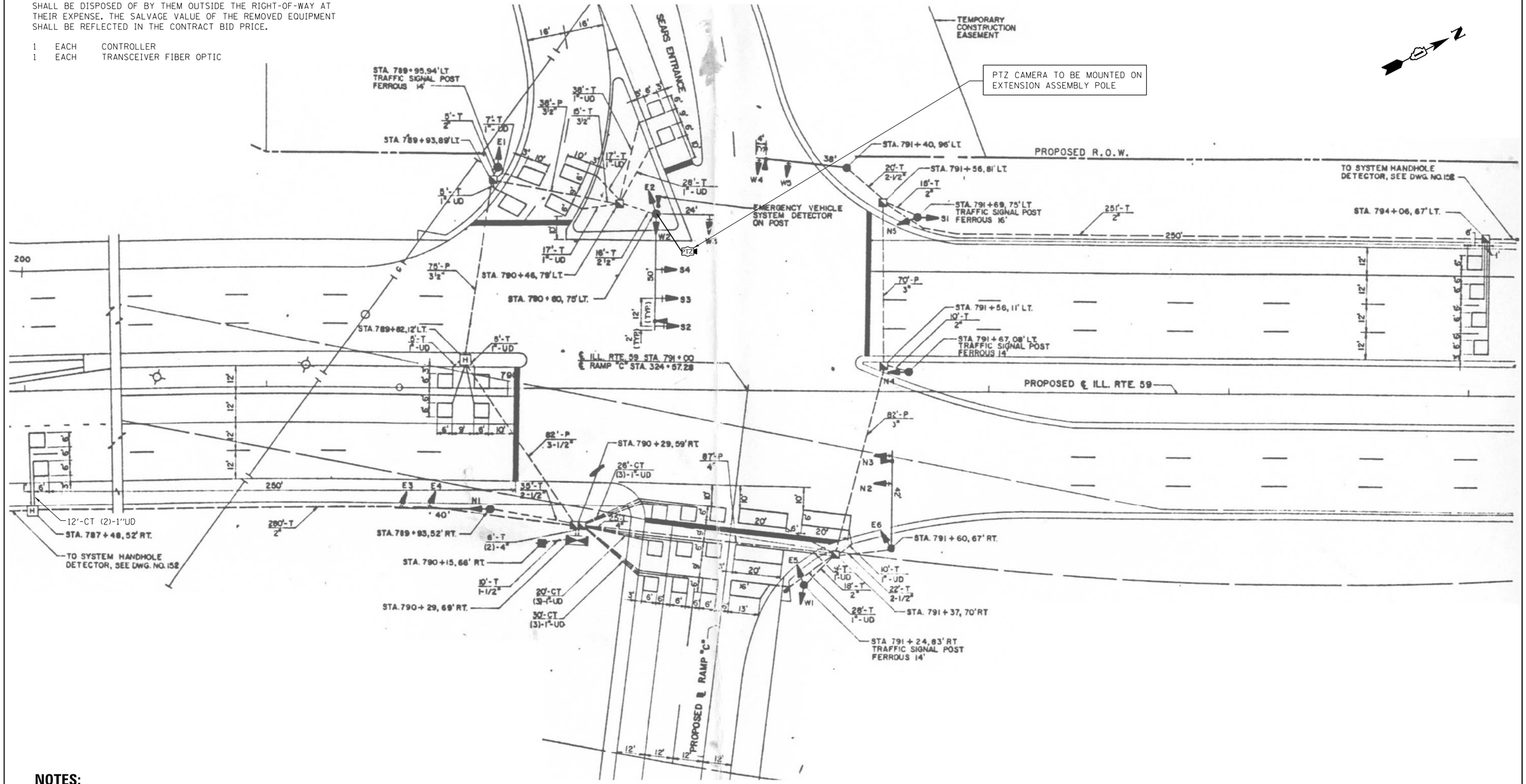
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	40
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\040_IL Rte 59 at SHOPPING CENTER ENTRANCE.CO.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC



NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. CONTRACTOR SHOULD COORDINATE WORK WITH WORK UNDER CONTRACT 62P12. CONTRACT 62P12 CONSISTS OF BRIDGE DECK WORK AND SHOULDER WORK. NO CONFLICT IS ANTICIPATED. CONTRACTOR TO PLAN WORK ACCORDINGLY.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21535
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

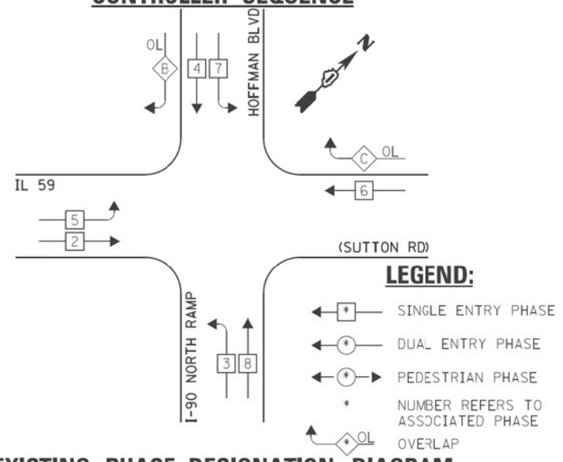
LOCATION #11
IL RTE 59 AT I-90 NORTH RAMP INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	41
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\041.IL Rte 59 at I-90 NORTH RAMP_INT.dgn

EXISTING CONTROLLER SEQUENCE



LEGEND:

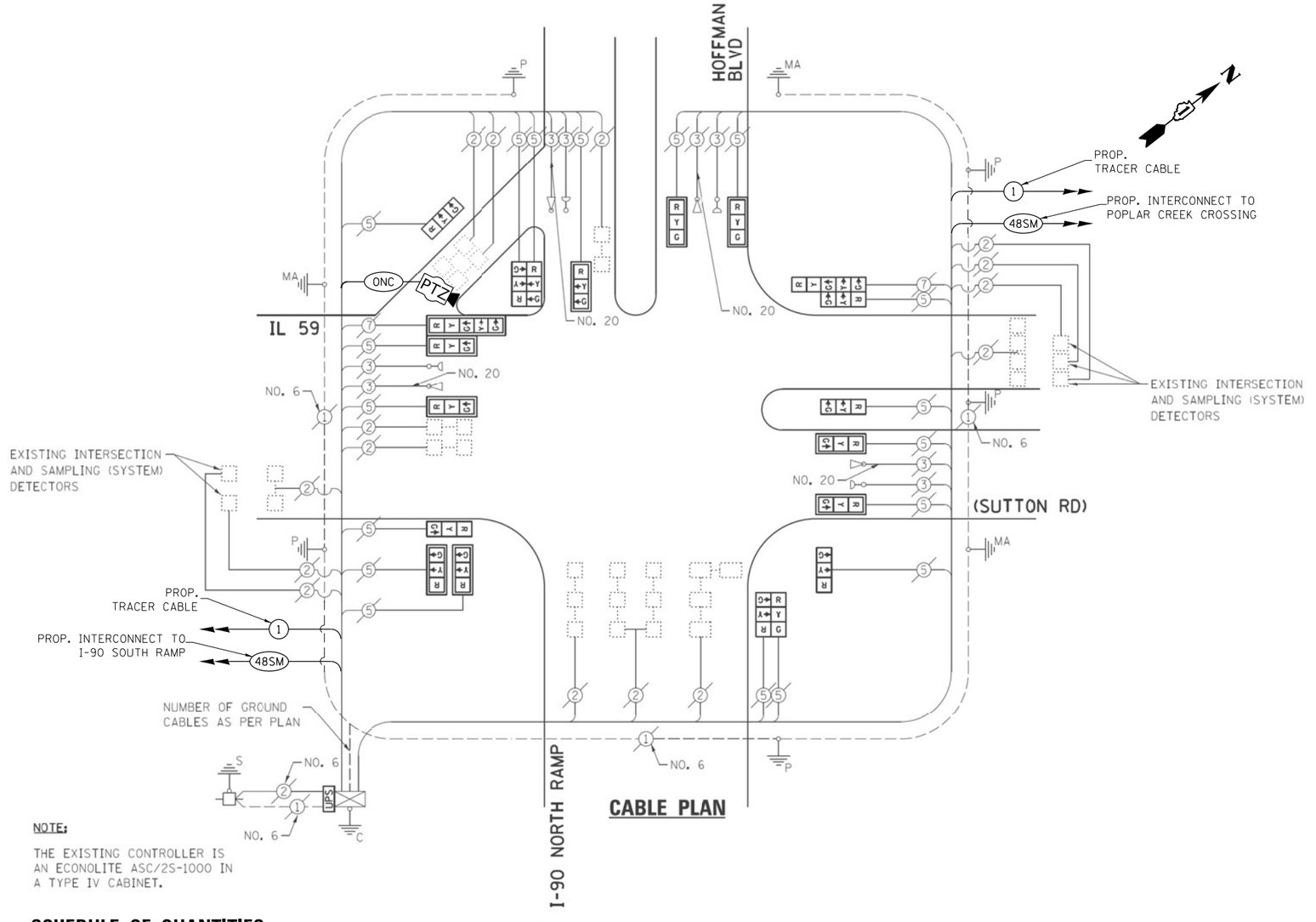
- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EXISTING EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	↱	↰↓	←	↰↑

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	6	+	7



CABLE PLAN

NOTE:

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-1000 IN A TYPE IV CABINET.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	302
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
		WATTAGE			
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	20	135	17	0.50	170.0
SIGNAL (YELLOW)	20	135	25	0.25	125.0
SIGNAL (GREEN)	20	135	15	0.25	75.0
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	499.8

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMED - OAKBROOK TERRACE

TS 21535
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #11
IL RTE 59 AT I-90 NORTH RAMP CABLE PLAN

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

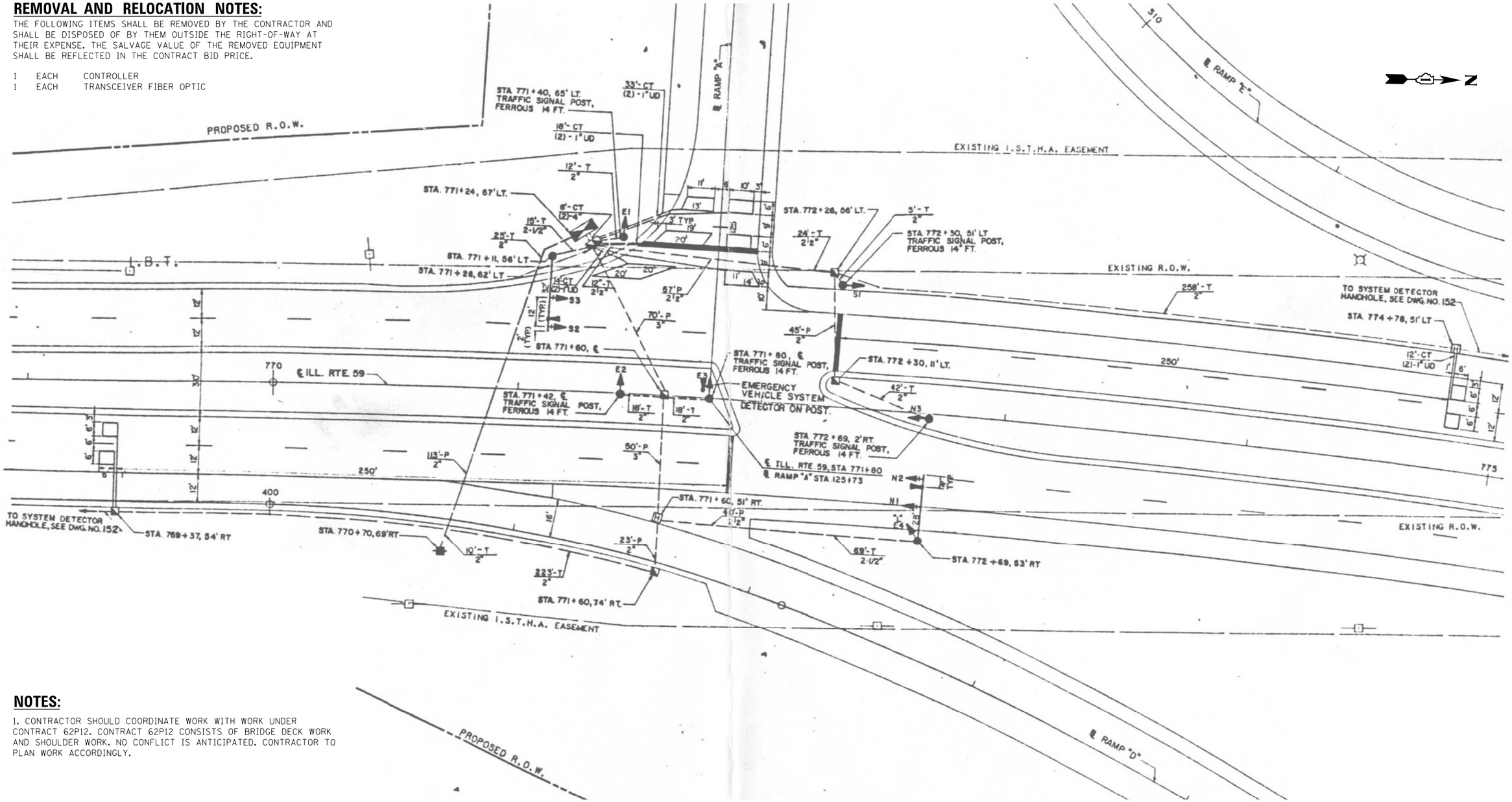
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	42
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\042_IL Rte 59 at I-90 NORTH RAMP_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC



NOTES:

1. CONTRACTOR SHOULD COORDINATE WORK WITH WORK UNDER CONTRACT 62P12. CONTRACT 62P12 CONSISTS OF BRIDGE DECK WORK AND SHOULDER WORK. NO CONFLICT IS ANTICIPATED. CONTRACTOR TO PLAN WORK ACCORDINGLY.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21510
IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\043_IL Rte 59 at I-90 SOUTH RAMP_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 '/ in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

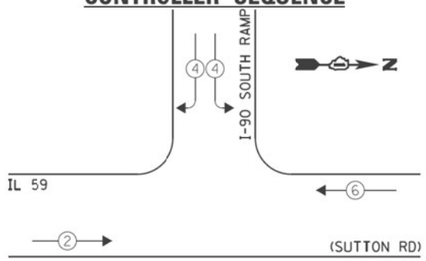
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #12
IL RTE 59 AT I-90 SOUTH RAMP INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	43
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE

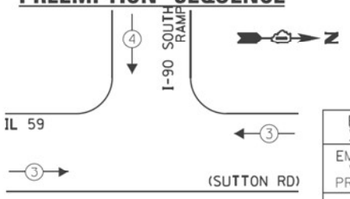


LEGEND:

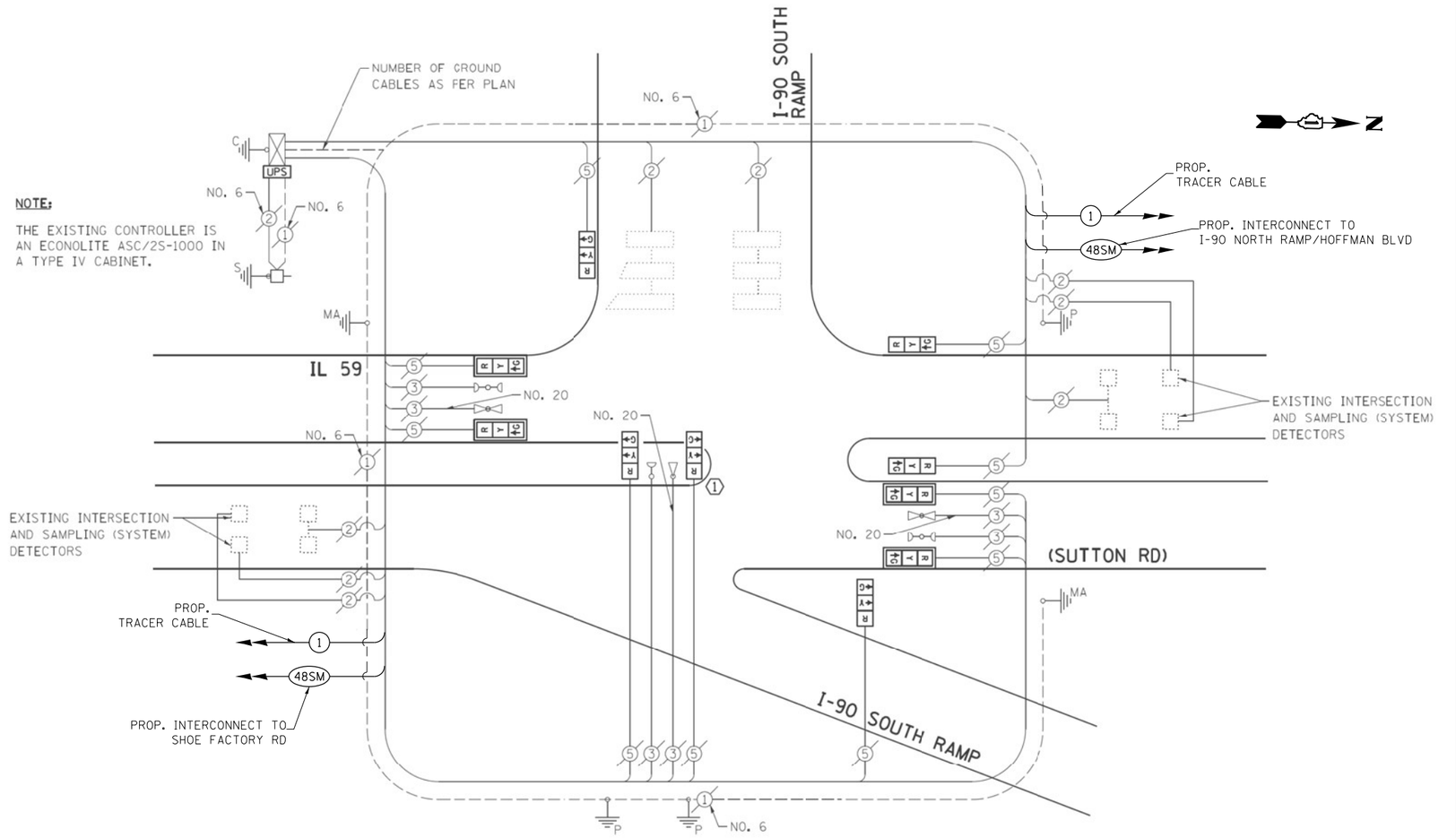
- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	⇄	↓



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	135	17	0.50	85.0
SIGNAL (YELLOW)	10	135	25	0.25	62.5
SIGNAL (GREEN)	10	135	15	0.25	37.5
ARROW	-	135	12	0.10	-
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	310.0

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMED - OAKBROOK TERRACE

TS 21510
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #12
IL RTE 59 AT I-90 SOUTH RAMP CABLE PLAN

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

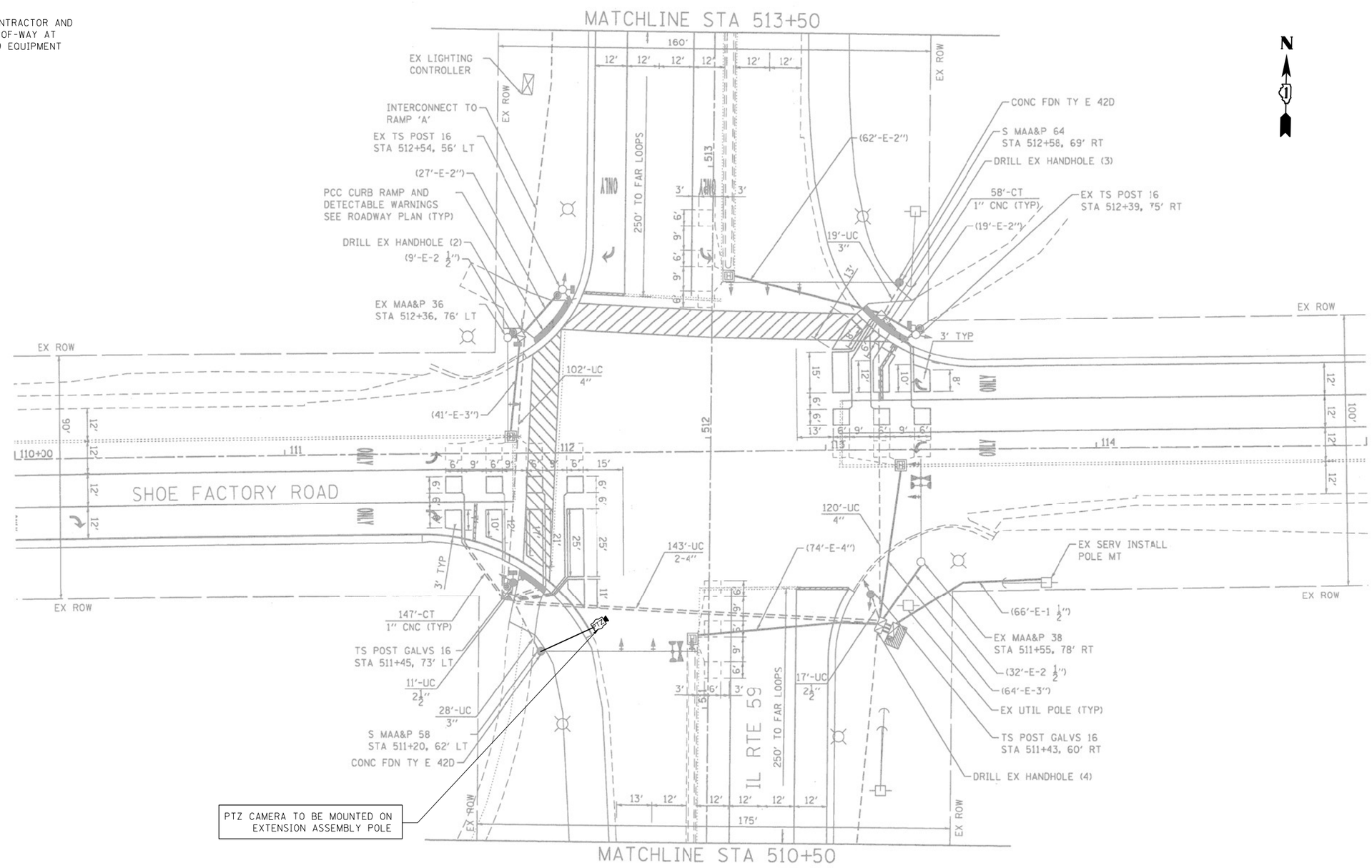
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	44
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\044_IL Rte 59 at I-90 SOUTH RAMP_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 11130
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #13
IL RTE 59 AT SHOE FACTORY RD INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	45
		CONTRACT NO. 62T53		

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

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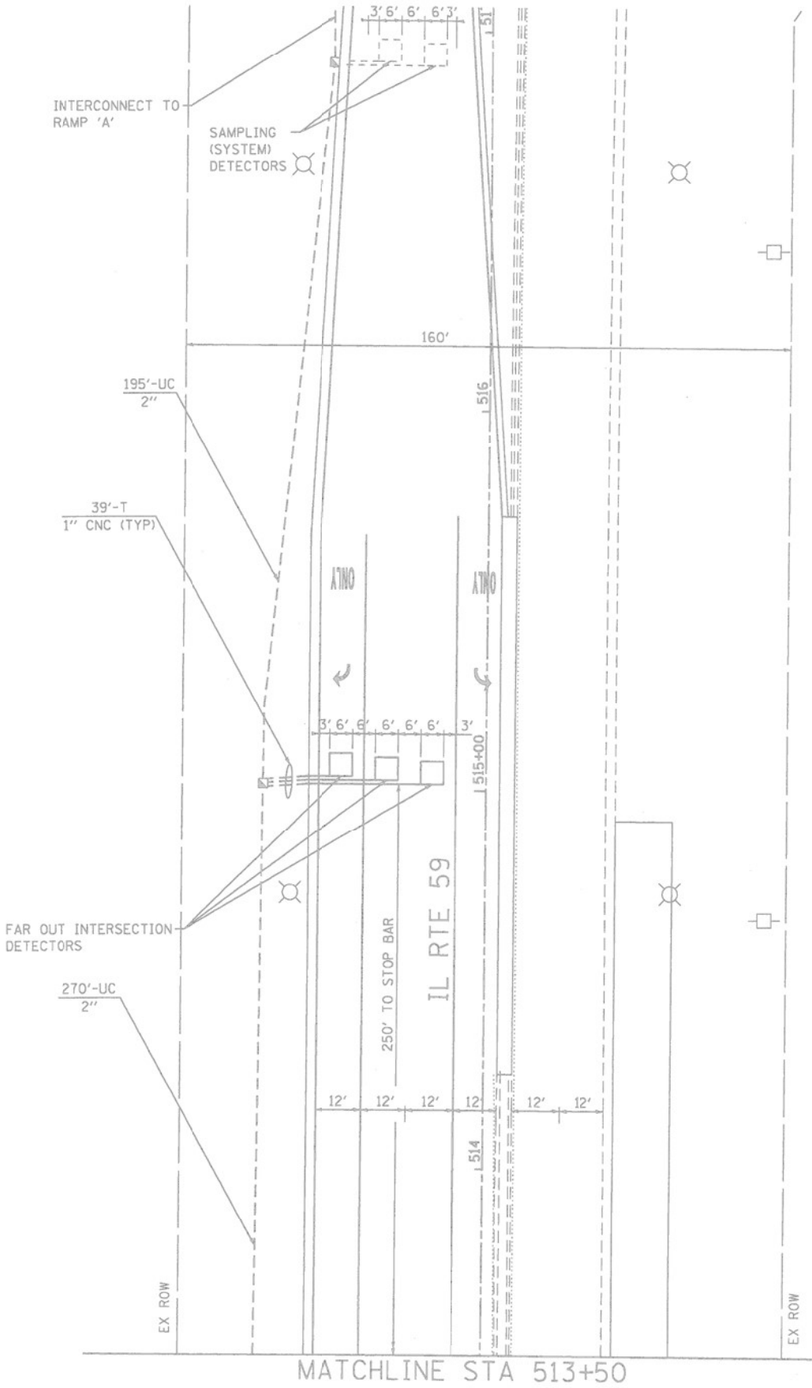
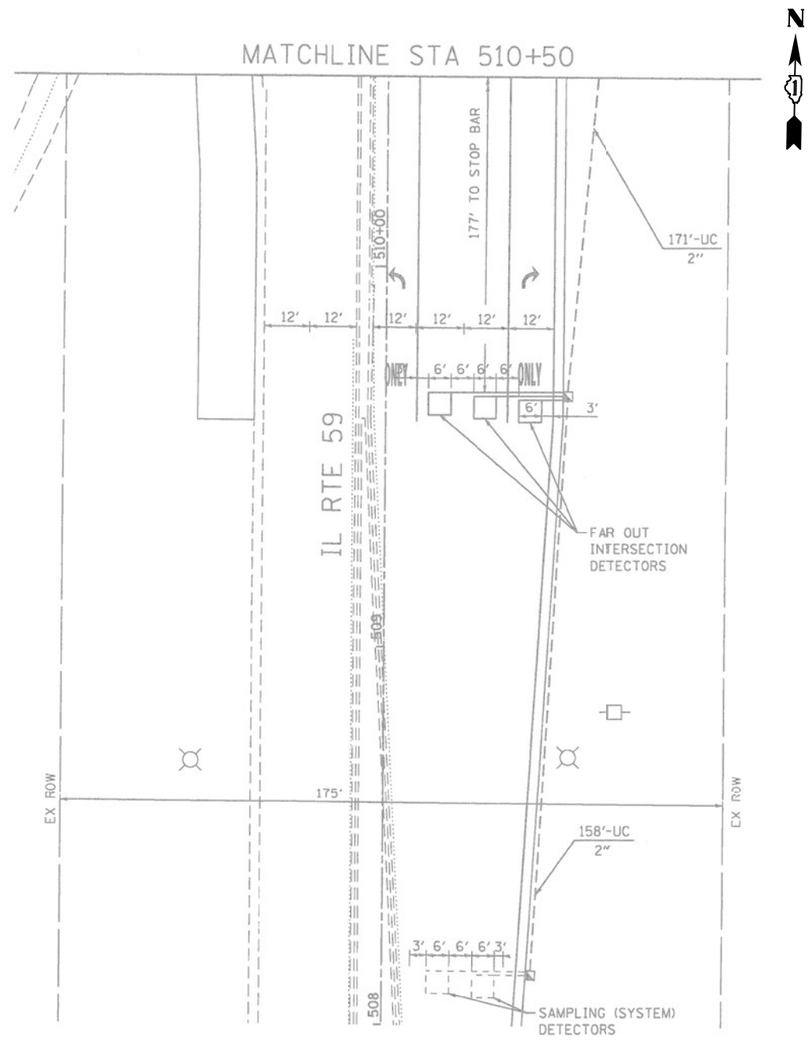




"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 11130
IDOT CENTRACS
FORMER ECON 90

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #13
IL RTE 59 AT SHOE FACTORY RD INTERSECTION PLAN
SHEET 2

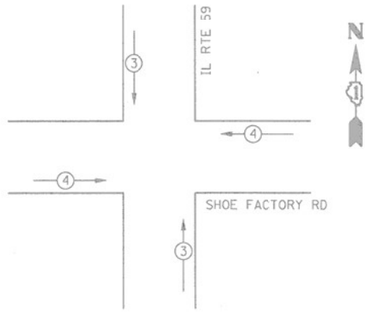
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	46
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\046_IL Rte 59 at SHOE FACTORY RD_INT_2.dgn

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	↓ ↑	← →

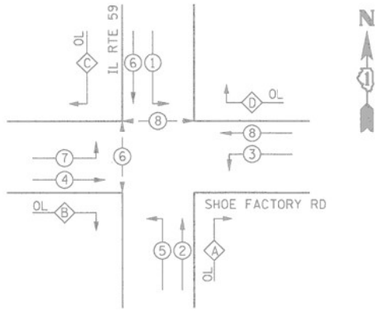
PHASE DESIGNATION DIAGRAM

OVERLAP PHASE		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

CONTROLLER SEQUENCE LEGEND

- DUAL ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- ▪ NUMBER REFERRING TO ASSOCIATED PHASE

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

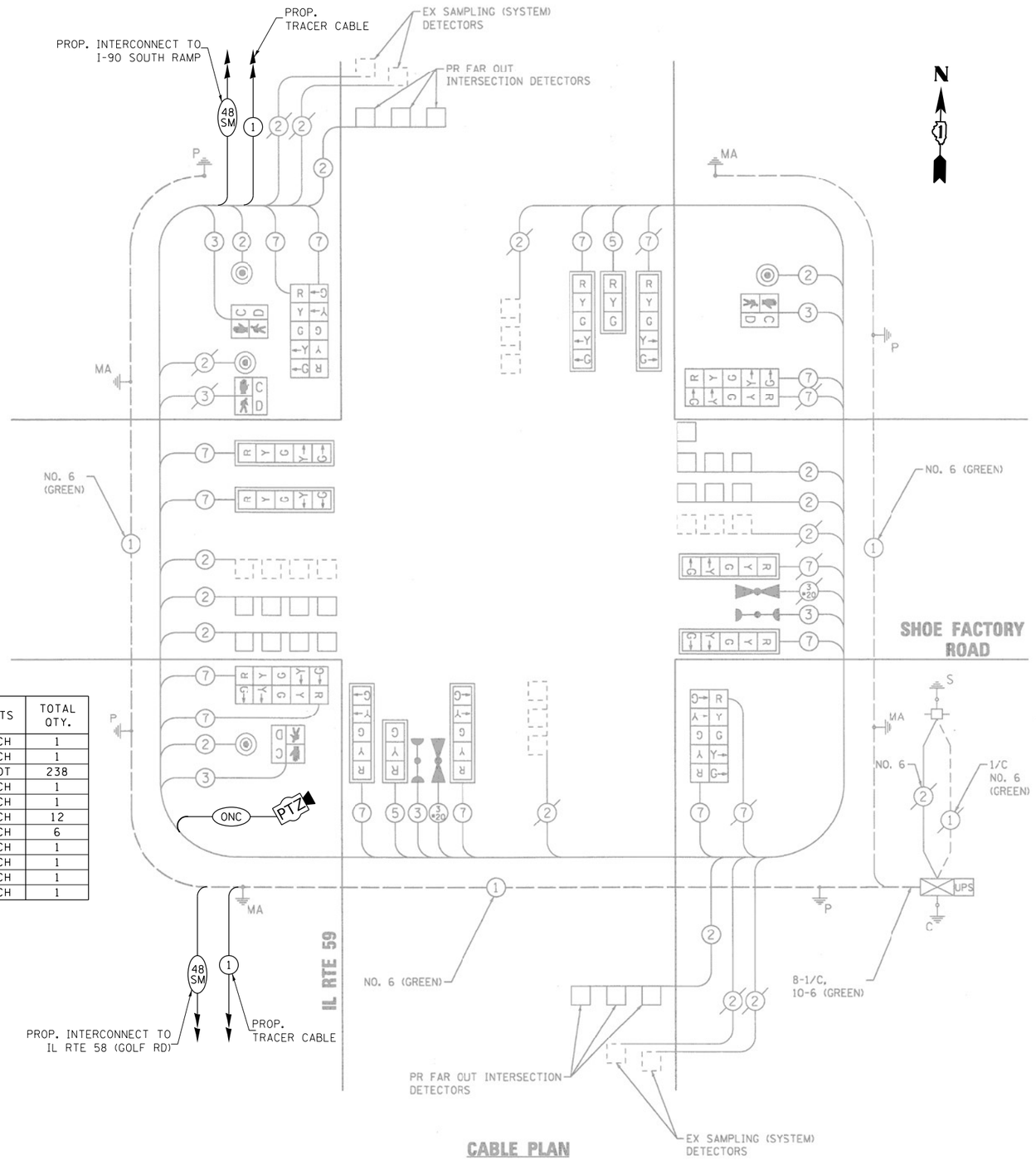
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	238
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	18		17	0.50	153.00
(YELLOW)	18		25	0.25	112.50
(GREEN)	18		15	0.25	67.50
ARROW (YELLOW)	16		12	0.10	19.20
ARROW (GREEN)	16		12	0.10	19.20
PEDESTRIAN SIGNAL	4		25	1.00	100.00
CONTROLLER	1		100	1.00	100.00
UPS	1		25	1.00	25.00
				TOTAL =	596.40

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY CONTACT: KATHY NYSTROM
PHONE: (847) 608-2331
COMPANY: COMMONWEALTH EDISON



CABLE PLAN

TS 11130
IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\047.IL Rte 59 at SHOE FACTORY RD.CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #13
IL RTE 59 AT SHOE FACTORY RD CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	47
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

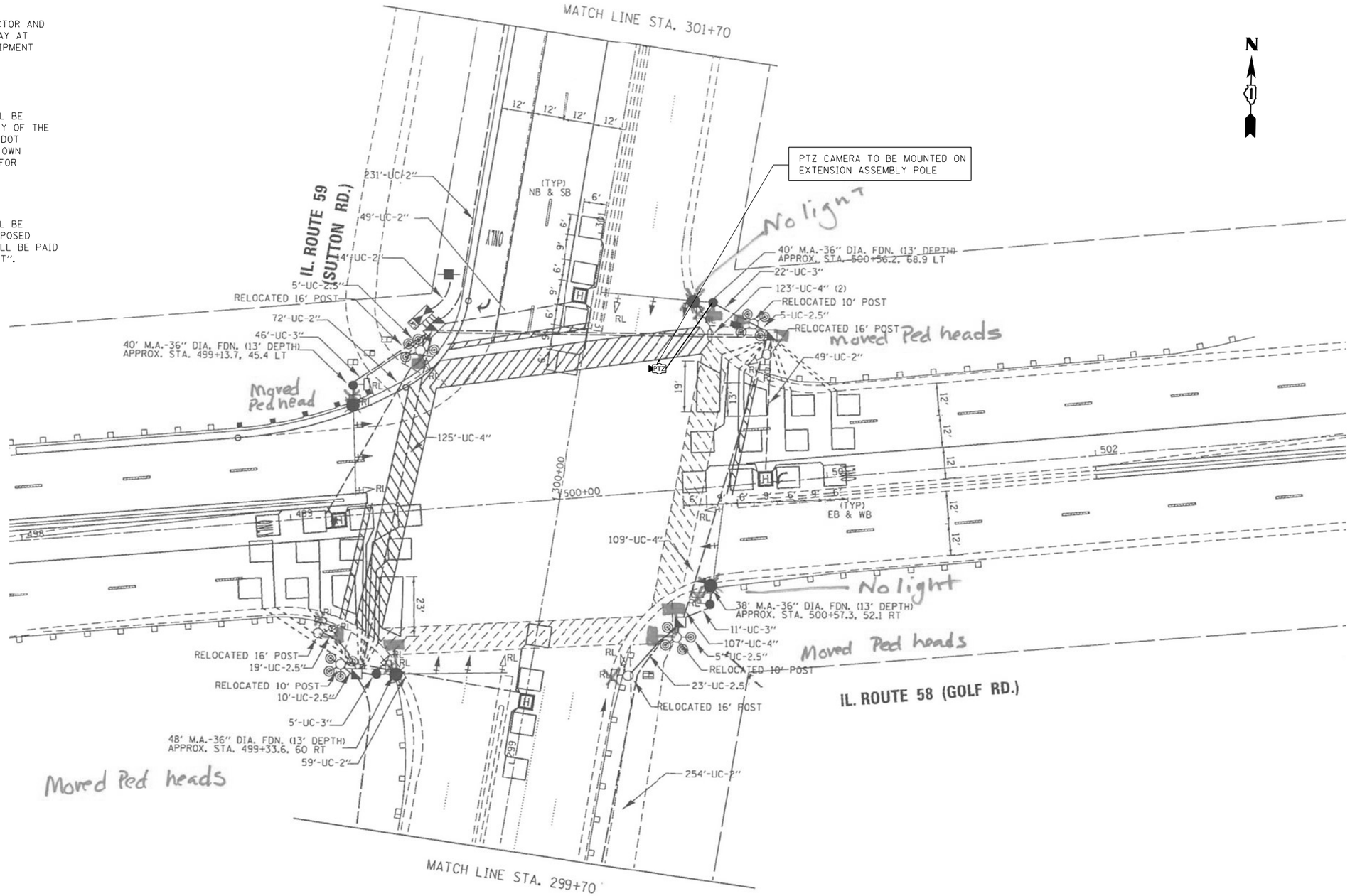
1 EACH CABINET
1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2700
IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD\Sheets\048_IL Rte 59 at IL RTE 58 (GOLF RD)_INT.dgn

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

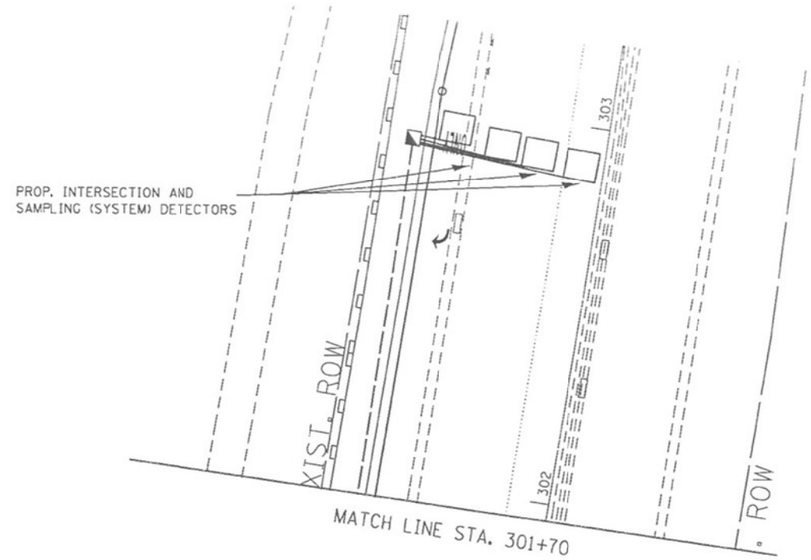
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

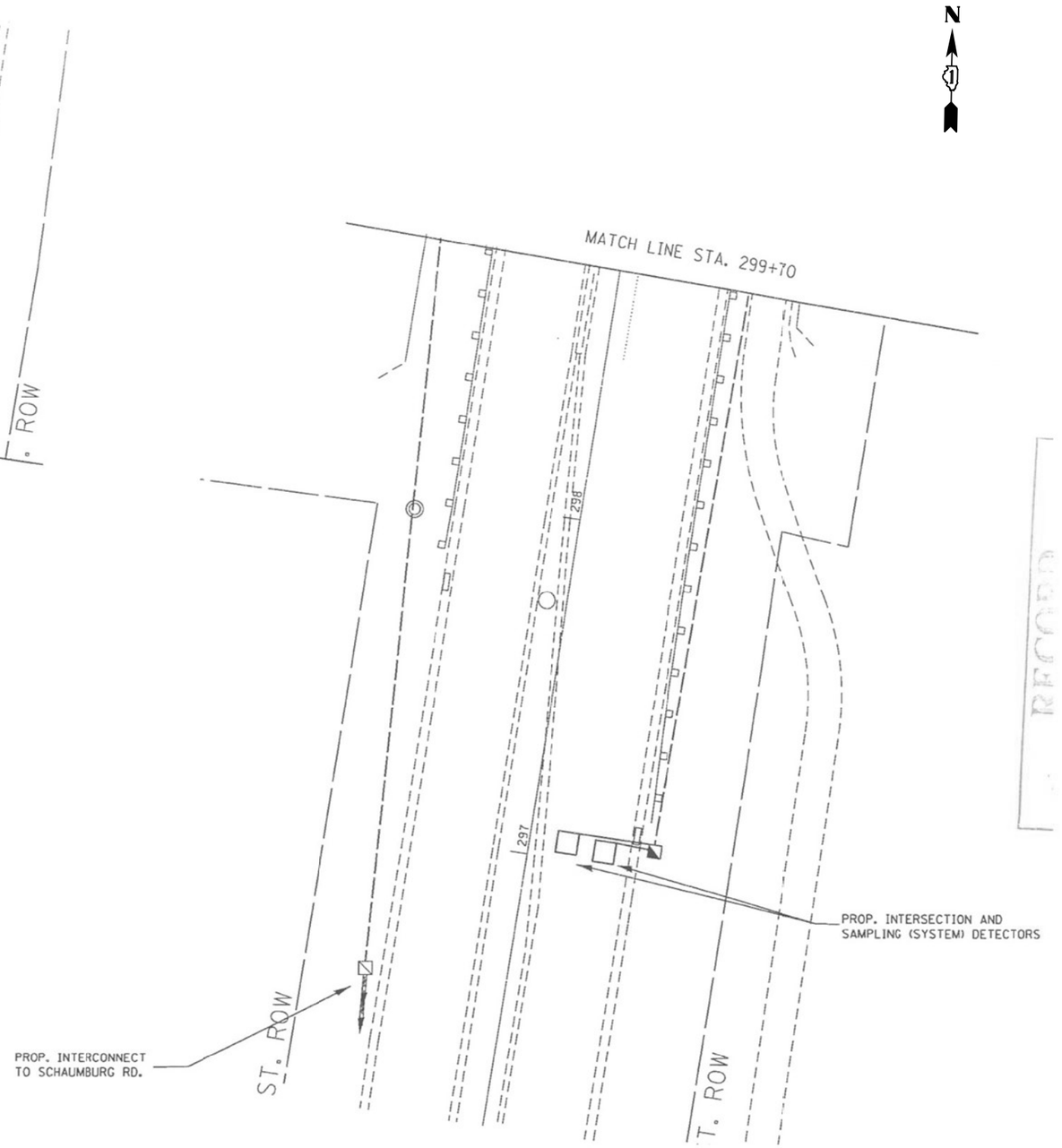
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #14
IL RTE 59 AT IL RTE 58 (GOLF RD) INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	48
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		





"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2700
IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\049_IL Rte 59 at IL RTE 58 (GOLF RD)_INT_2.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

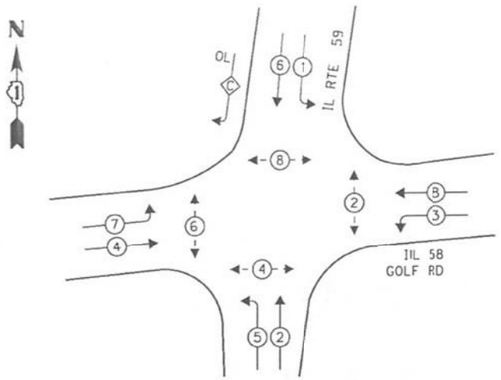
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #14
IL RTE 59 AT IL RTE 58 (GOLF RD) INTERSECTION PLAN
SHEET 2

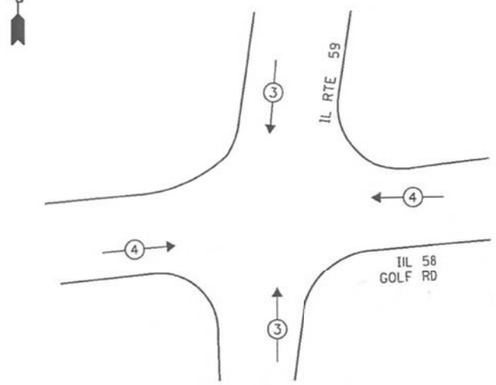
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	49
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	7

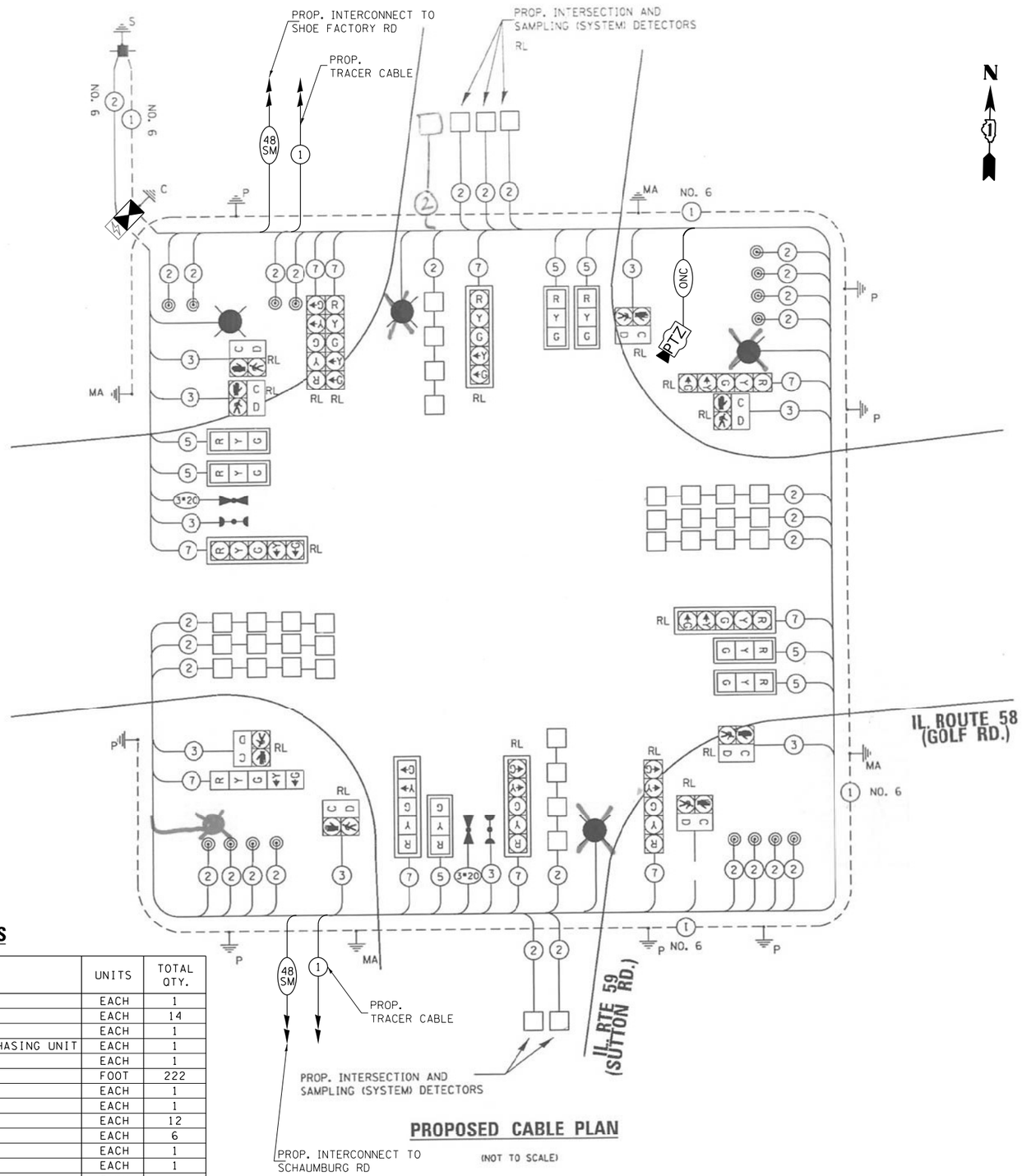
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	11	50	93.5
(YELLOW)	17	20	5	17
(GREEN)	17	12	45	91.8
PERMISSIVE ARROW	20	10	10	20
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	507.3

ENERGY COSTS TO:

VILLAGE OF BARTLETT
228 S MAIN ST
BARTLETT, IL 60103

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



PROPOSED CABLE PLAN

(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	14
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	222
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 2700
IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centaeus Phase 3\CADD\Sheets\050_IL Rte 59 at IL RTE 58 (GOLF RD)_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #14
IL RTE 59 AT IL RTE 58 (GOLF RD) CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	50
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

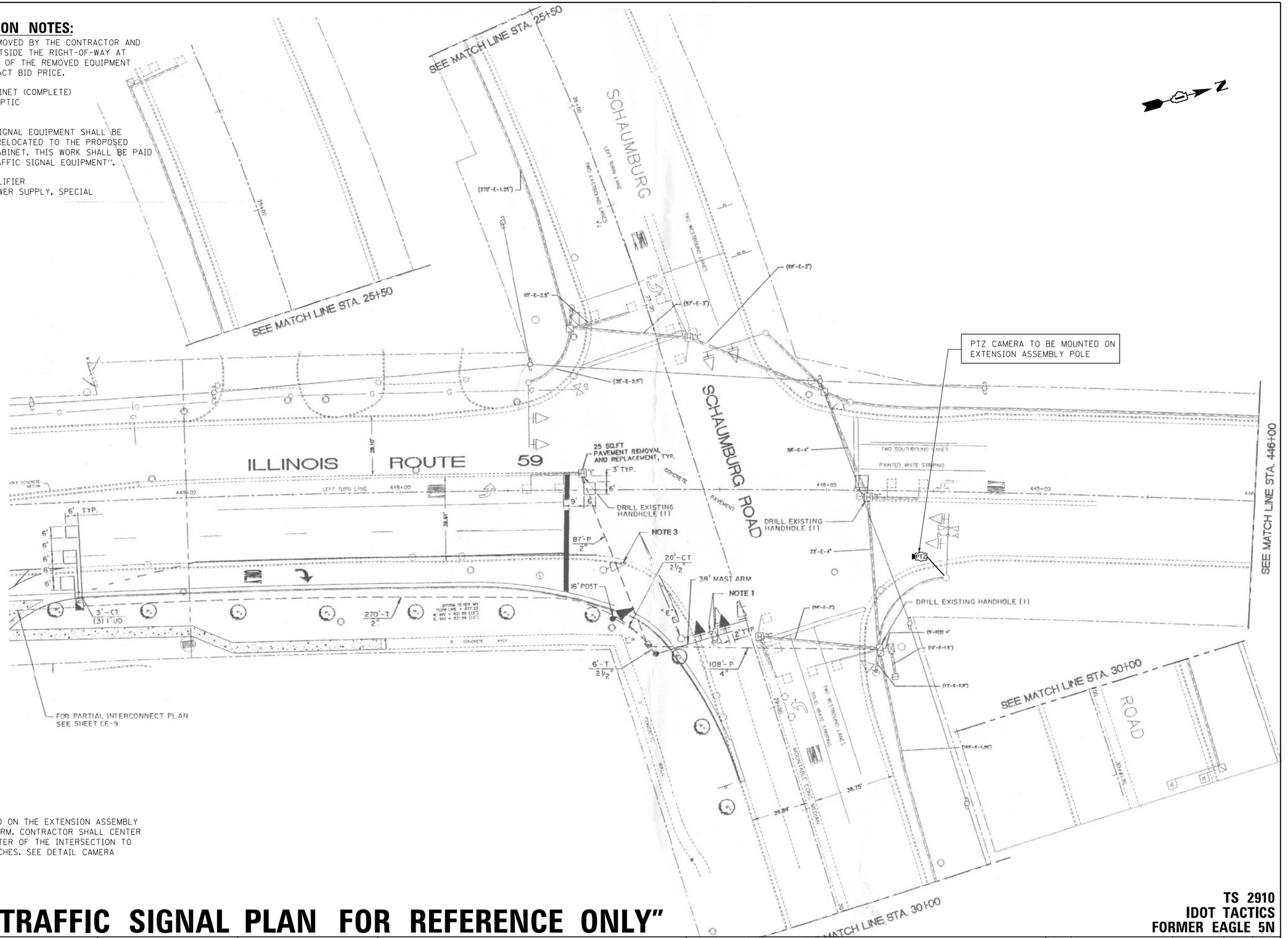
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)
1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2910
IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centreco Phase 3\CADD\Sheets\051.IL Rte 59 at SCHAUMBURG RD_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 '/ in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

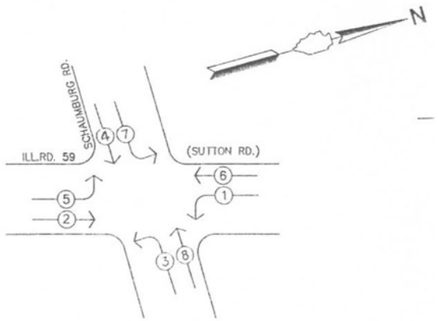
LOCATION #15
IL RTE 59 AT SCHAUMBURG RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	51
		CONTRACT NO. 62T53		

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

CONTROLLER SEQUENCE

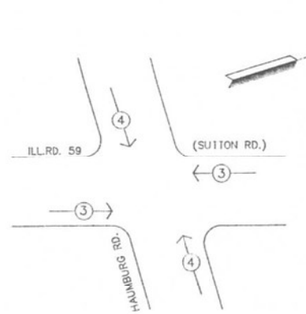


LEGEND
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE

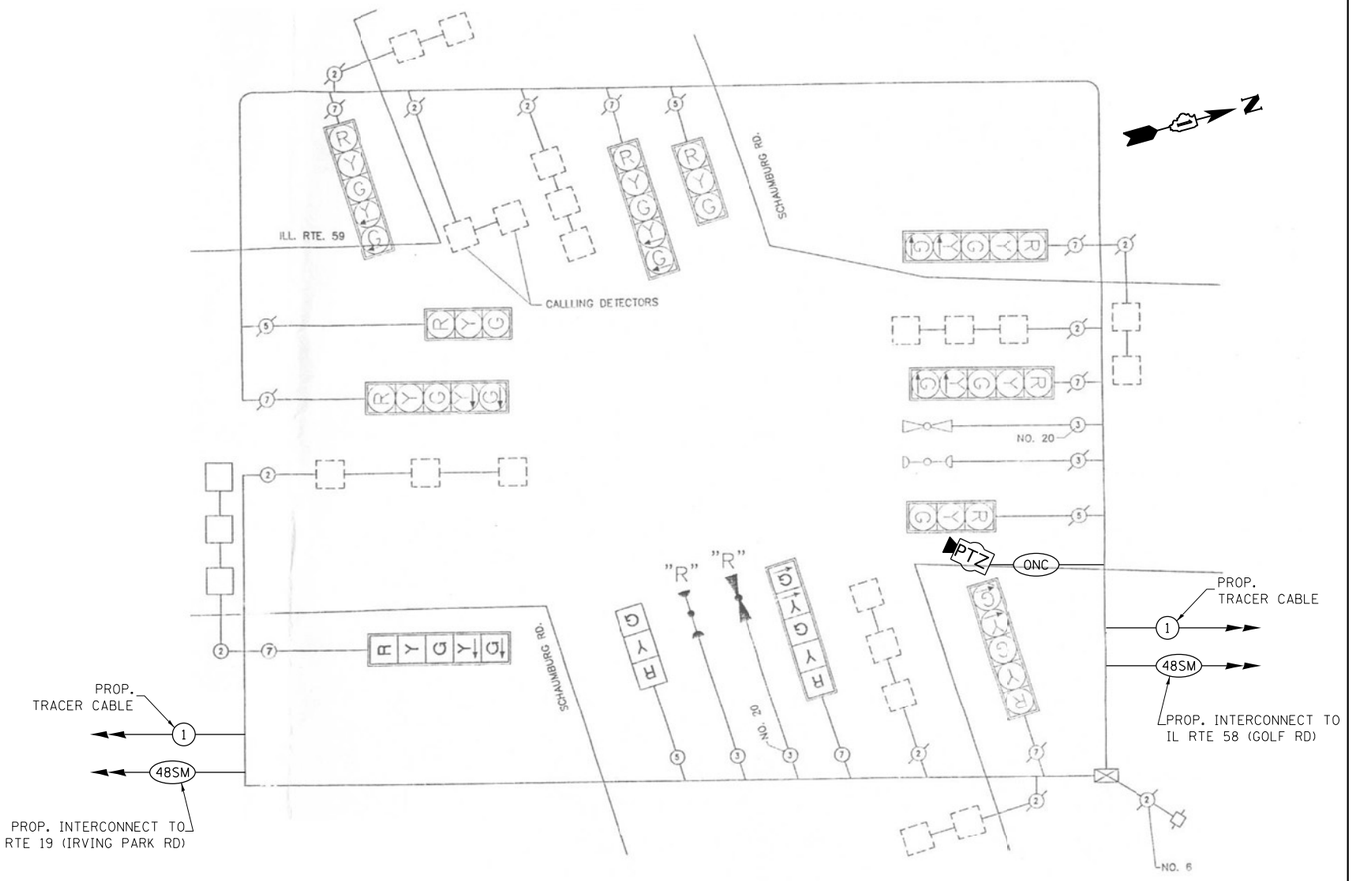
* NUMBER REFERS TO ASSOCIATED PHASE

EXISTING PHASE DESIGNATION DIAGRAM
(NOT TO SCALE)

EXISTING EMERGENCY VEHICLE PREEMPTOR SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓



" R " = RELOCATED EMERGENCY VEHICLE EQUIPMENT

CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	9
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	122
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 2910
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #15
IL RTE 59 AT SCHAUMBURG RD CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	52
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD\Sheets\052_IL Rte 59 at SCHAUMBURG RD_CD.dgn

REMOVAL AND RELOCATION NOTES:

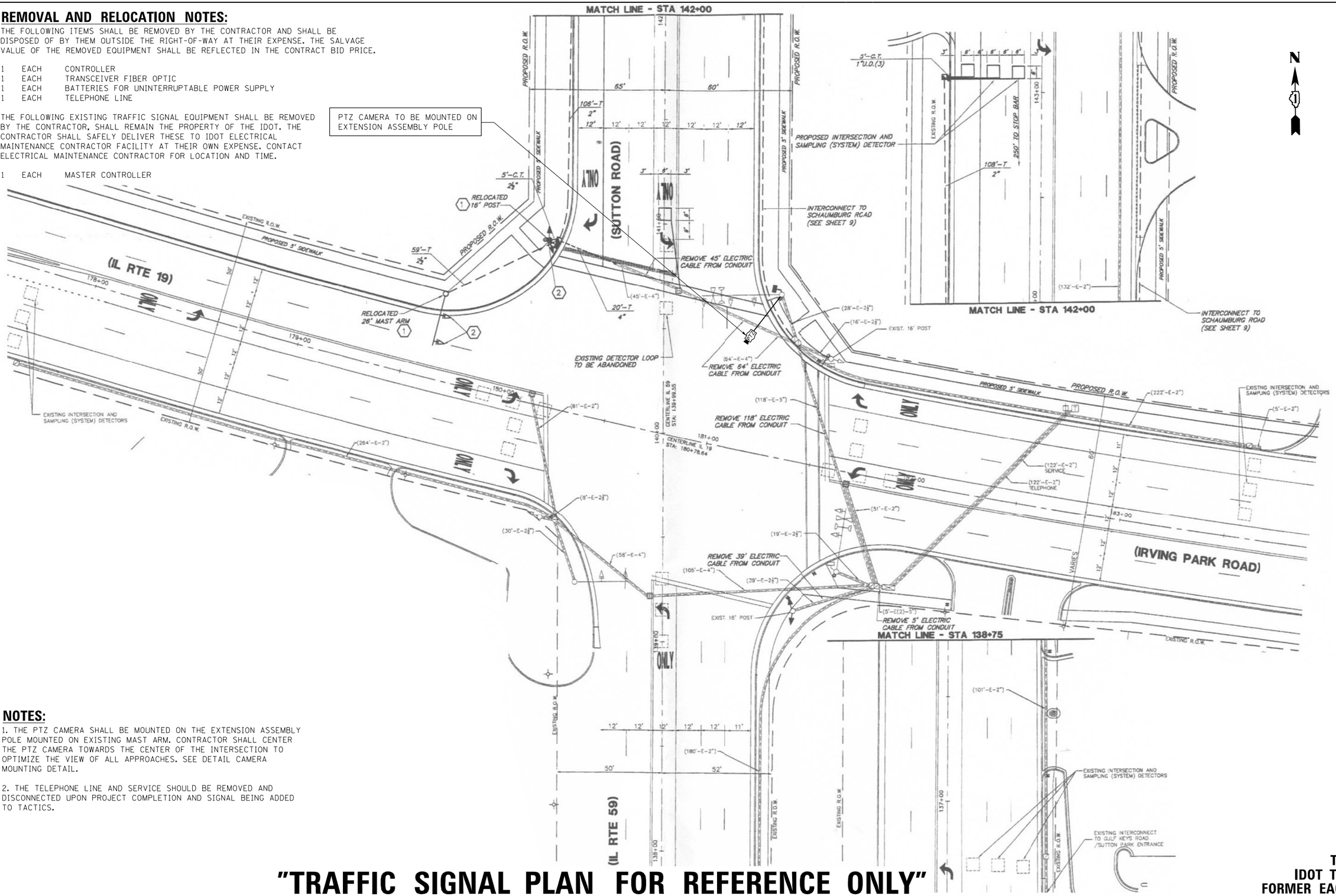
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1 EACH TELEPHONE LINE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH MASTER CONTROLLER

PTZ CAMERA TO BE MOUNTED ON EXTENSION ASSEMBLY POLE



NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. THE TELEPHONE LINE AND SERVICE SHOULD BE REMOVED AND DISCONNECTED UPON PROJECT COMPLETION AND SIGNAL BEING ADDED TO TACTICS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 1930
IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\053_IL Rte 59 at IL RTE 19 (IRVING PARK RD)_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

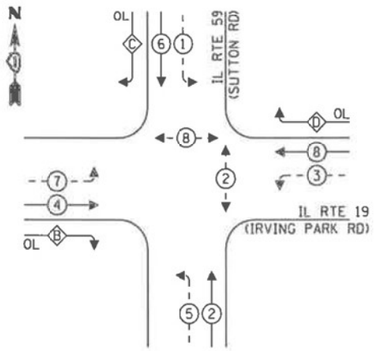
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #16
IL RTE 59 AT IL RTE 19 (IRVING PARK RD) INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	53
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



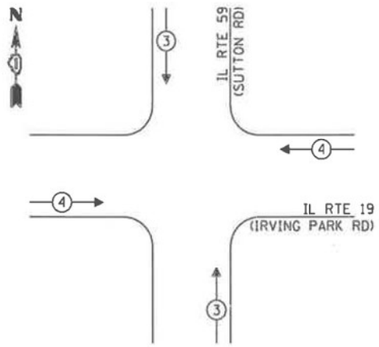
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



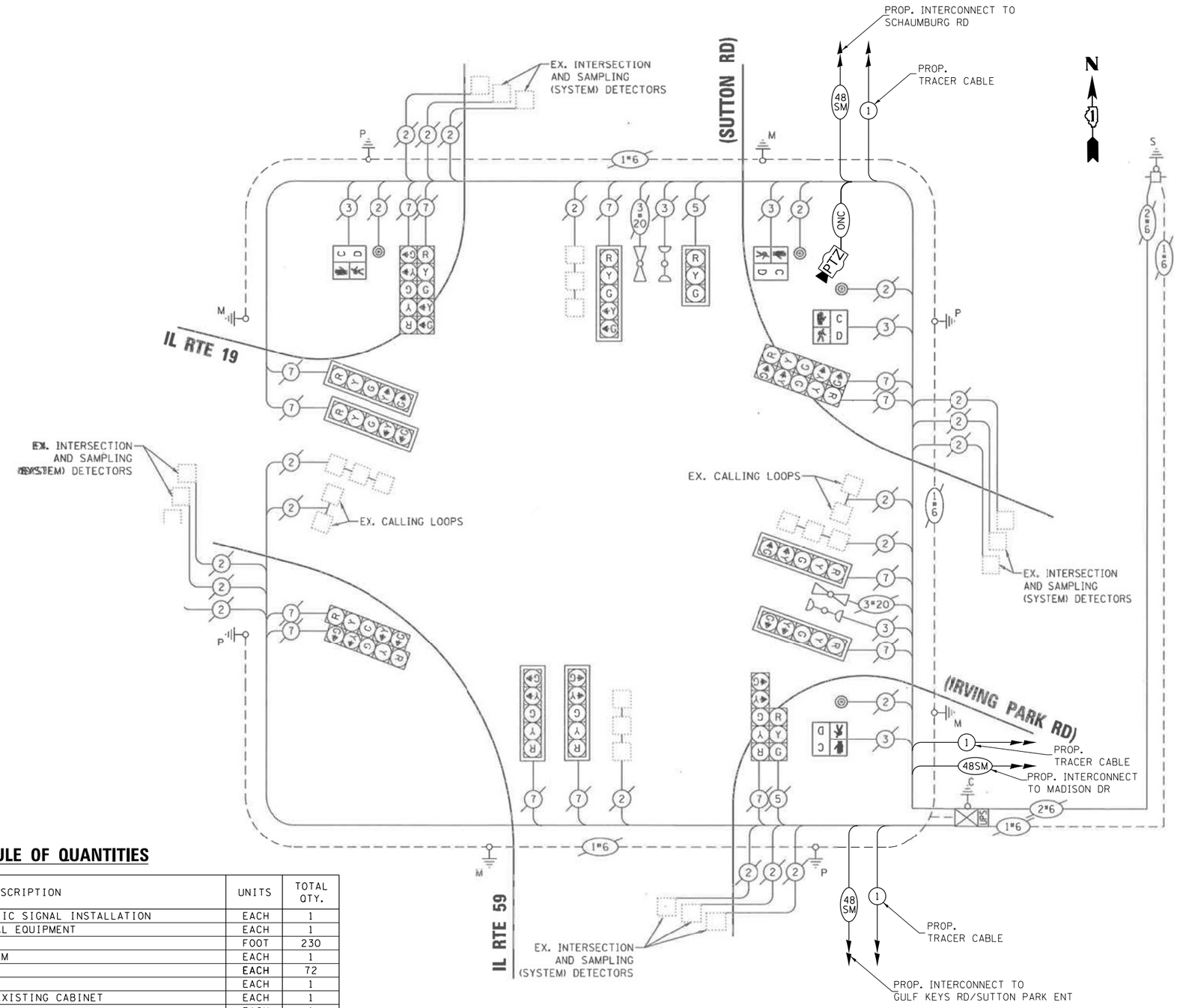
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	91.8
PERMISSIVE ARROW	28	10	10	28.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	428.8

ENERGY COSTS TO:

VILLAGE OF STREAMWOOD
301 E. IRVING PARK RD
STREAMWOOD, IL 60107

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	230
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	72
LAYER III (DATALINK) SWITCH	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 1930
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #16
IL RTE 59 AT IL RTE 19 (IRVING PARK RD) CABLE PLAN

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

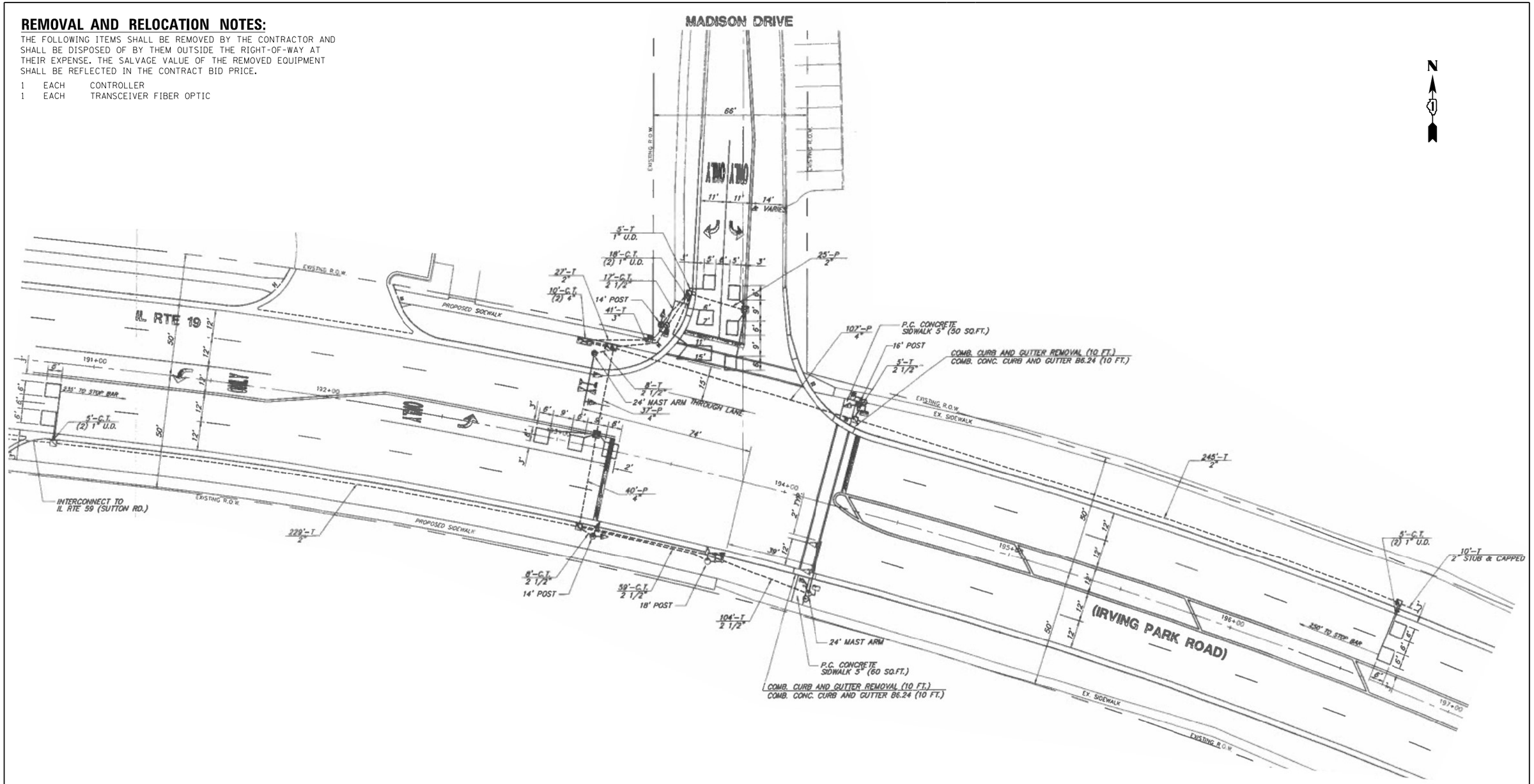
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	54
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\054_IL Rte 59 at IL RTE 19 (IRVING PARK RD).CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 1932
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

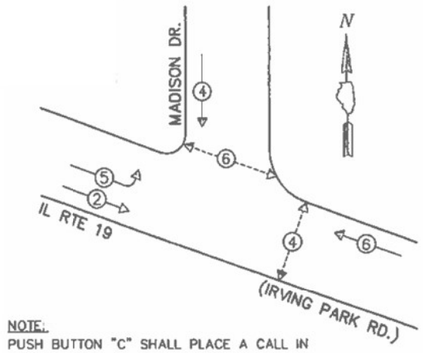
LOCATION #17
IL RTE 19 (IRVING PARK RD) AT MADISON DR INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	55
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\055_IL Rte 19 (IRVING PARK RD) at MADISON DR_INT.dgn

CONTROLLER SEQUENCE



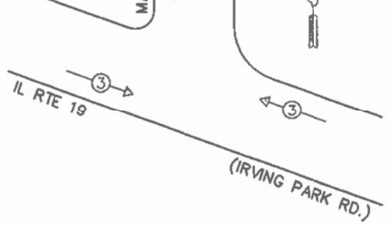
NOTE:
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 4 AND 6.

LEGEND:

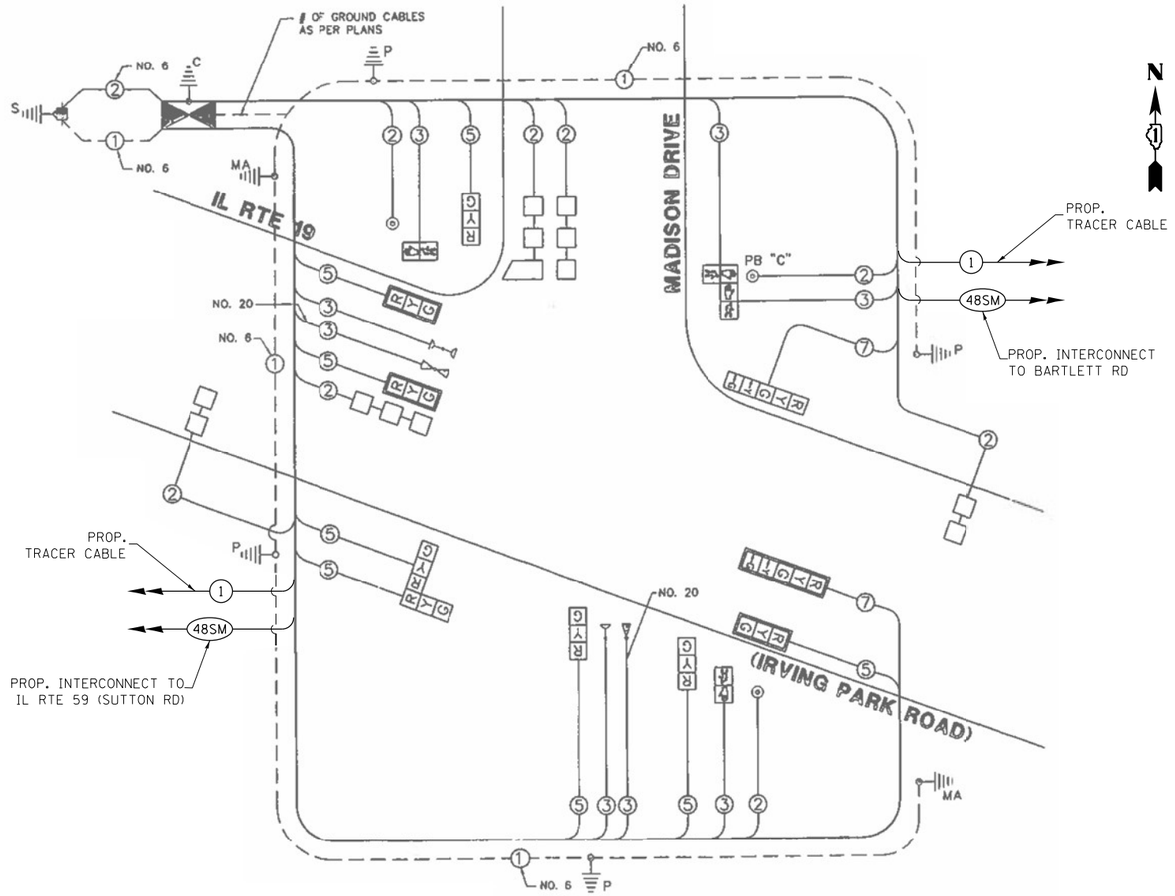
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	//	|



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
Ssplice FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	135	17	0.50	85.0
SIGNAL (YELLOW)	10	135	25	0.25	62.5
SIGNAL (GREEN)	10	135	15	0.25	37.5
ARROW	4	135	12	0.10	4.8
PED.SIGNAL	4	90	25	1.00	100.0
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN		252		0.05	
FLASHER				0.05	
				TOTAL =	389.8

ENERGY COSTS – BILLED TO: VILLAGE OF STREAMWOOD
(ADDRESS) 301 E. IRVING PARK ROAD

ENERGY SUPPLY – CONTACT: ROSE PECARADO
PHONE: 847-608-2331
COMPANY: COM-ED - ELGIN

TS 1932
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

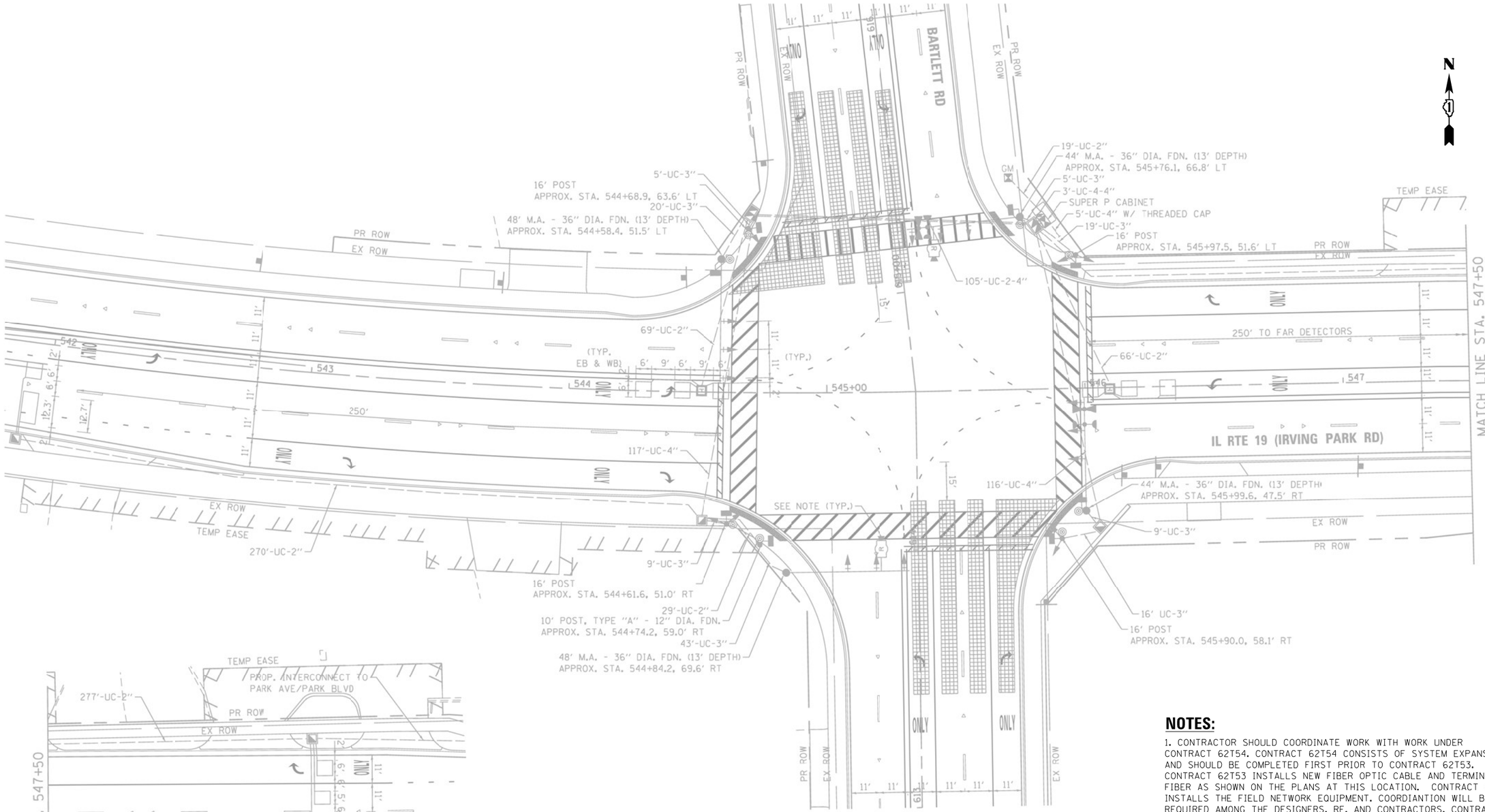
LOCATION #17
IL RTE 19 (IRVING PARK RD) AT MADISON DR CABLE PLAN

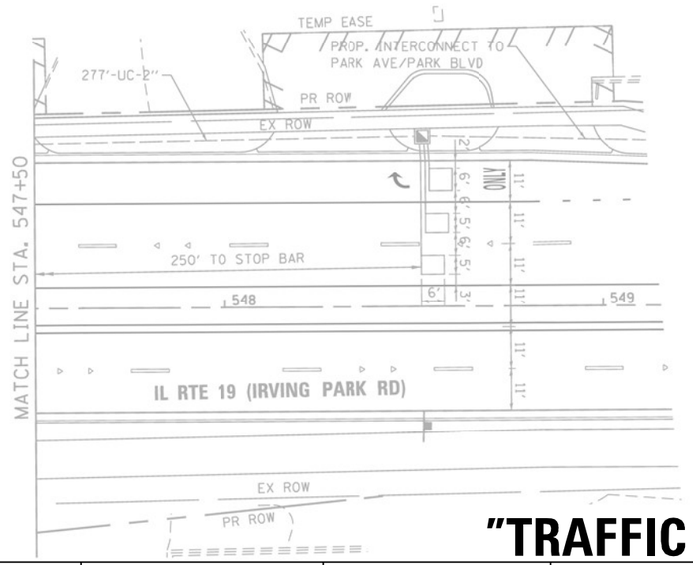
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	56
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\056_IL Rte 19 (IRVING PARK RD) at MADISON DR_CD.dgn





NOTES:

1. CONTRACTOR SHOULD COORDINATE WORK WITH WORK UNDER CONTRACT 62T54. CONTRACT 62T54 CONSISTS OF SYSTEM EXPANSION 2 AND SHOULD BE COMPLETED FIRST PRIOR TO CONTRACT 62T53. CONTRACT 62T53 INSTALLS NEW FIBER OPTIC CABLE AND TERMINATES FIBER AS SHOWN ON THE PLANS AT THIS LOCATION. CONTRACT 62T54 INSTALLS THE FIELD NETWORK EQUIPMENT. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS. CONTRACTOR TO PLAN WORK ACCORDINGLY.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 1935
IDOT CENTRACS
FORMER ECON 158

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

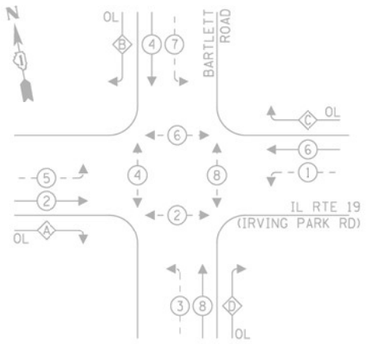
LOCATION #18
IL RTE 19 (IRVING PARK RD) AT BARTLETT RD INTERSECTION PLAN

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

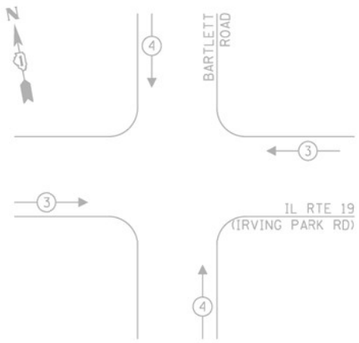
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	57
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\057_IL Rte 19 (IRVING PARK RD) at BARTLETT RD_INT.dgn

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

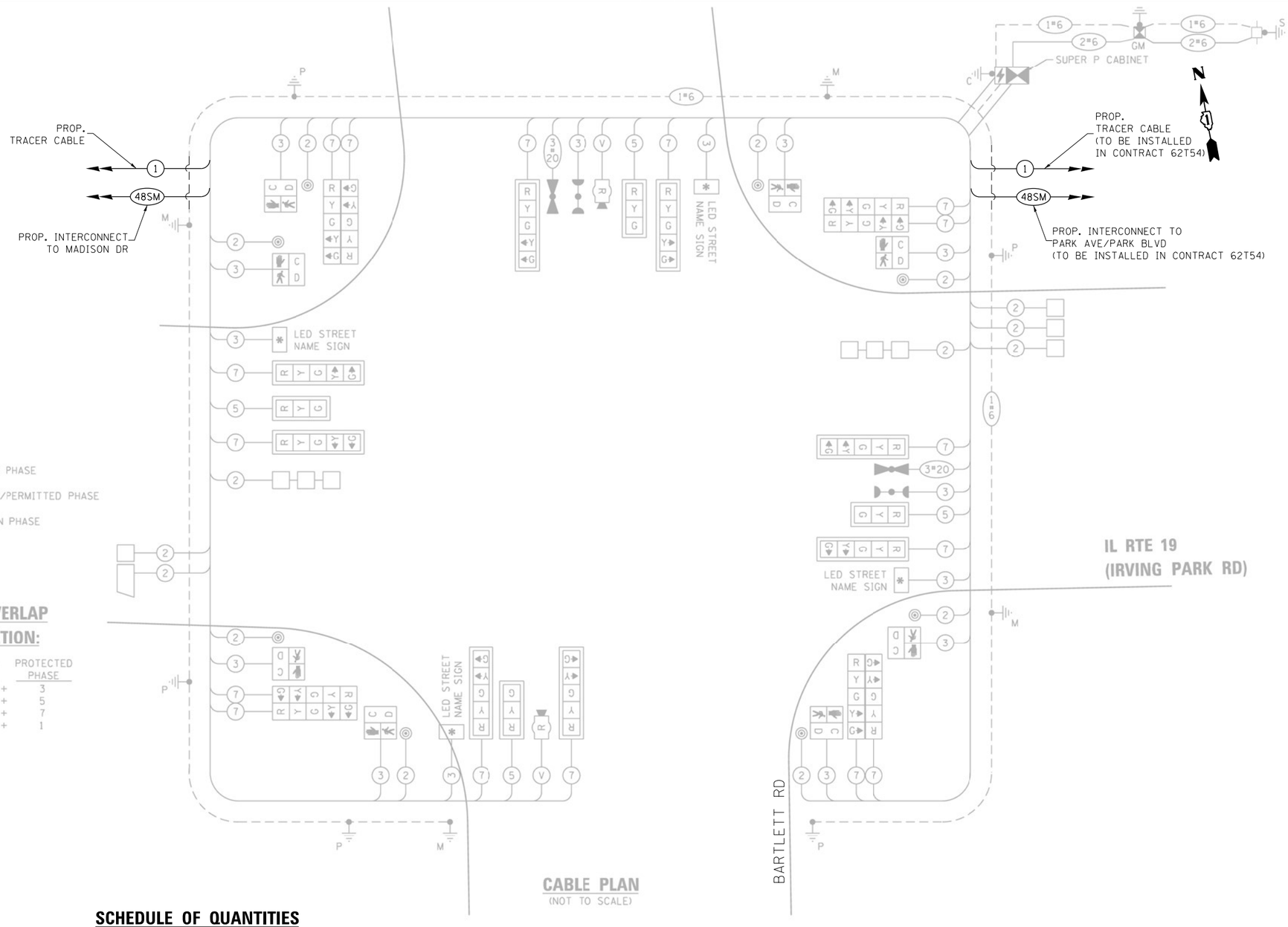
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	32	10	10	32.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	555.0

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TERMINATE FIBER IN CABINET	EACH	42

TS 1935
IDOT CENTRACS
FORMER ECON 158

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\858_IL Rte 19 (IRVING PARK RD) at BARTLETT RD_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #18
IL RTE 19 (IRVING PARK RD) AT BARTLETT RD CABLE PLAN

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

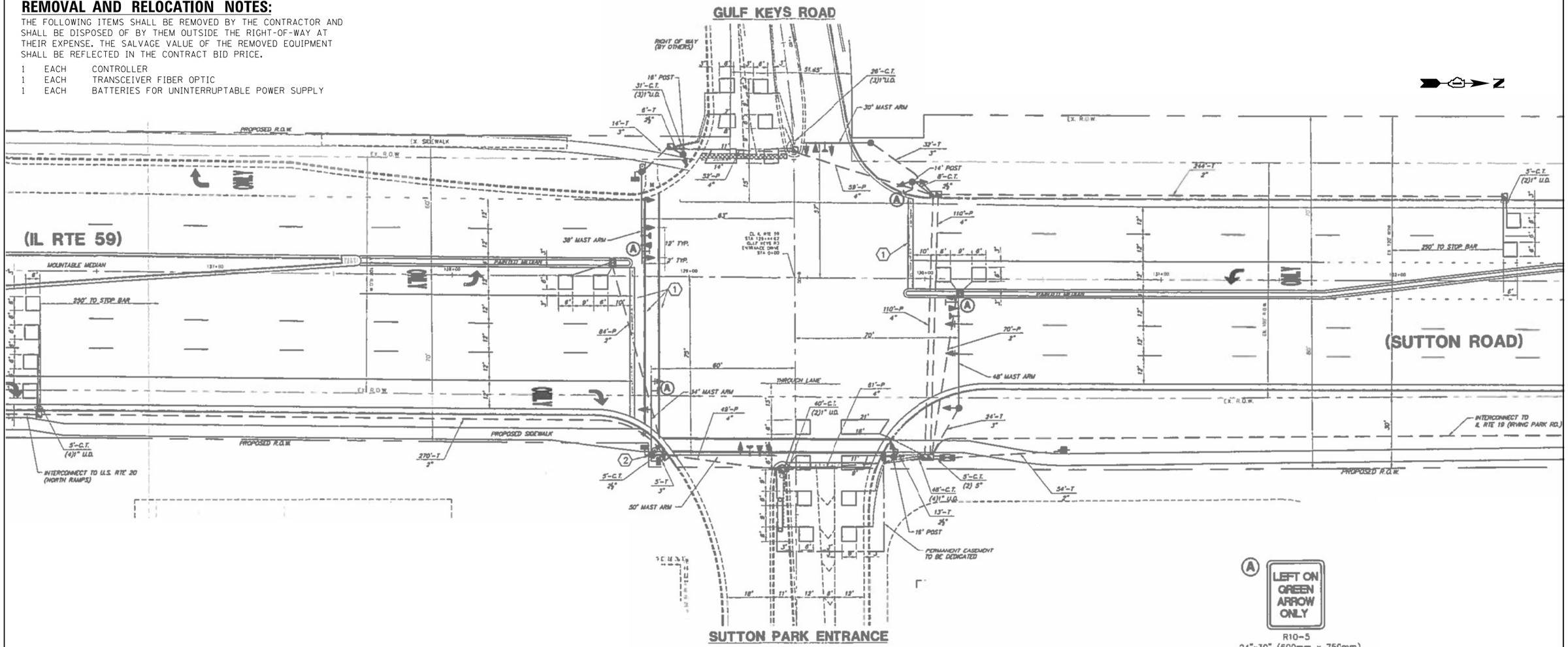
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	58
		CONTRACT NO. 62T53		

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

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 1937
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #19
IL RTE 59 AT GULF KEYS RD INTERSECTION PLAN

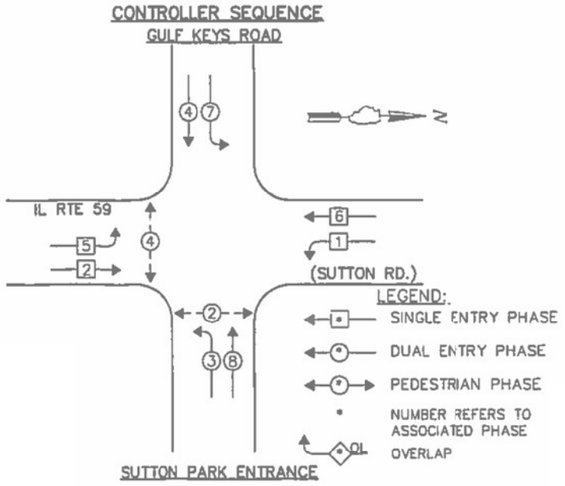
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	59
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD_Sheets\059_IL Rte 59 at GULF KEYS RD_INT.dgn

CONTROLLER SEQUENCE

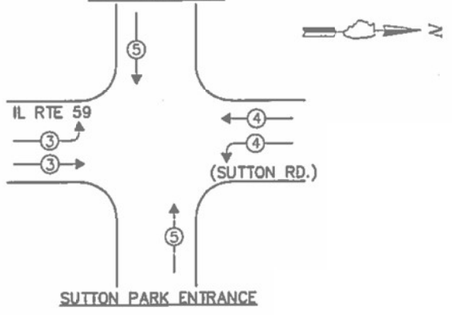
GULF KEYS ROAD

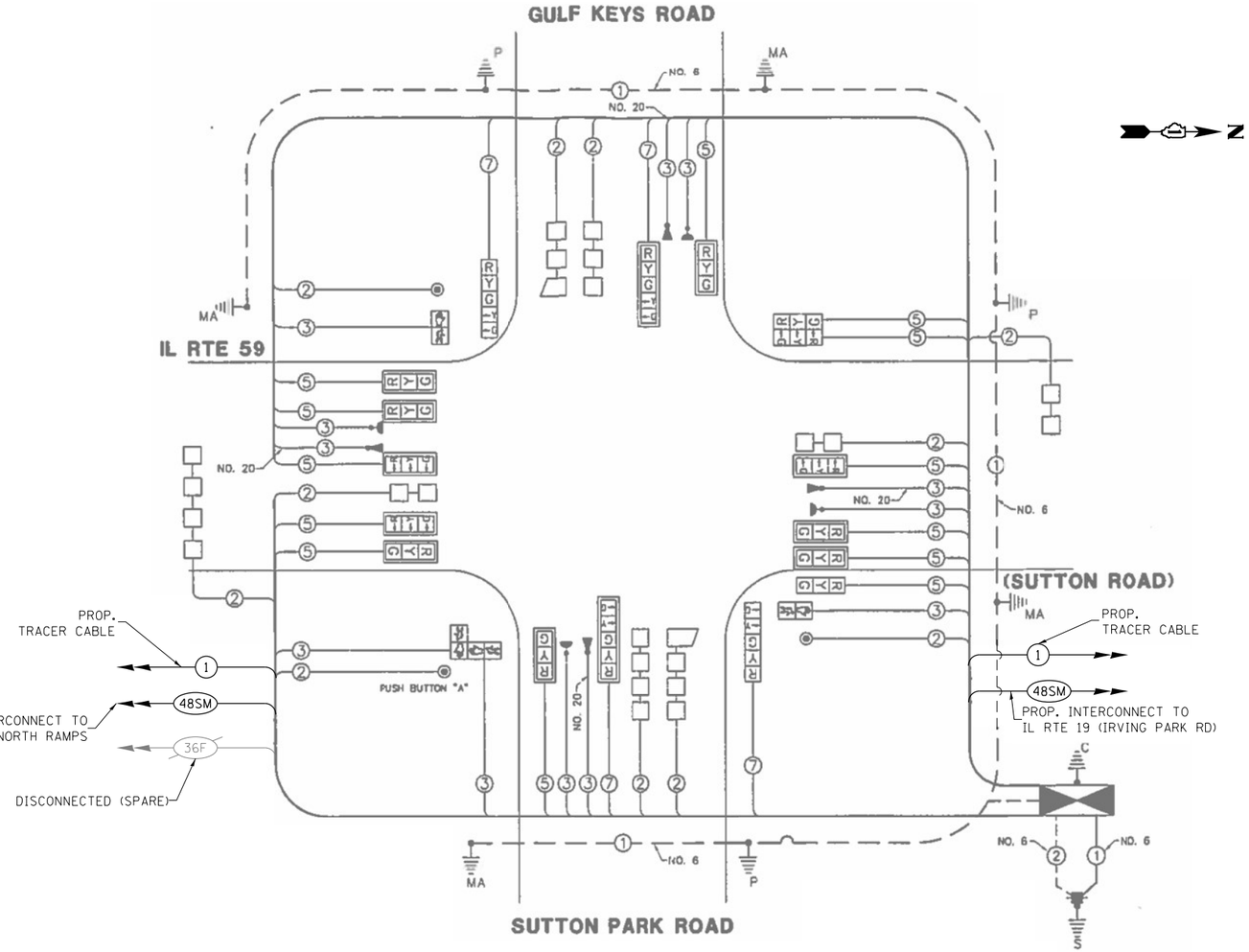


PHASE DESIGNATION DIAGRAM

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

GULF KEYS ROAD





SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
Ssplice FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	135	17	0.50	114.50
SIGNAL (YELLOW)	17	135	25	0.25	106.25
SIGNAL (GREEN)	17	135	15	0.25	63.75
ARROW	8	135	12	0.10	9.60
PED SIGNAL	4	90	25	1.00	100.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		252		0.05	
FLASHER				0.50	
				TOTAL =	524.10

ENERGY COSTS - BILLED TO: VILLAGE OF STREAMWOOD
(ADDRESS) 301 EAST IRVING PARK ROAD

ENERGY SUPPY - CONTACT: JERRY KUEMPEL
PHONE: 630-437-2212
COMPANY: COM-ED

TS 1937
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #19
IL RTE 59 AT GULF KEYS RD CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	60
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\060_IL Rte 59 at GULF KEYS RD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

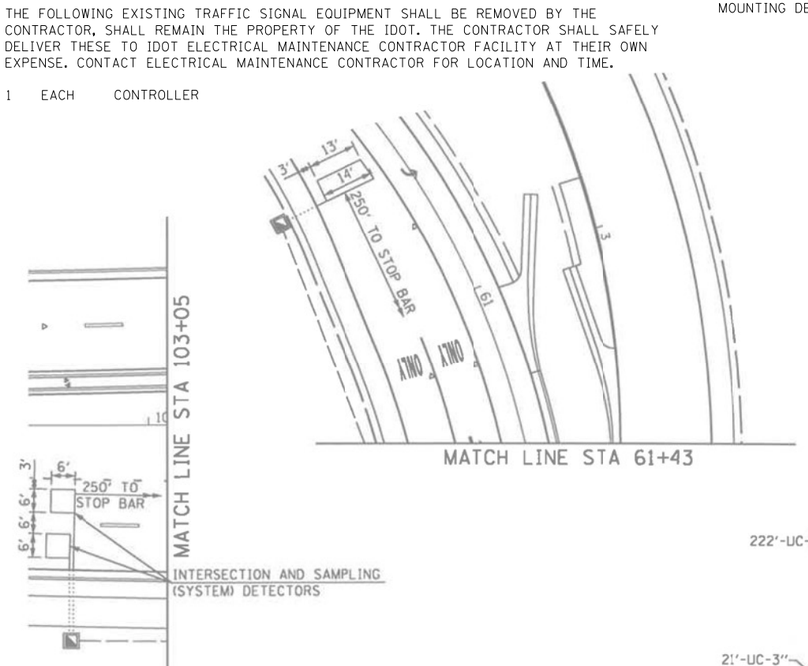
1 EACH TRANSCEIVER FIBER OPTIC

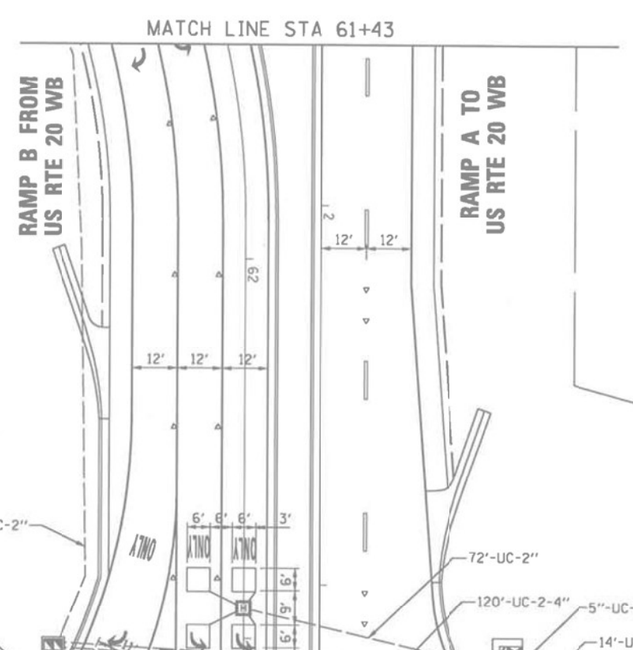
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

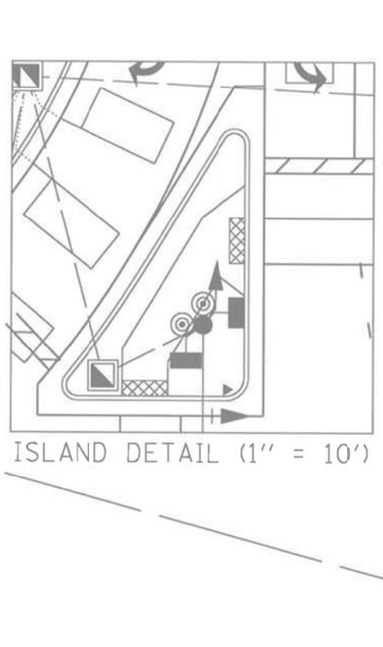
1 EACH CONTROLLER

NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.







"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 1022
IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\061_IL Rte 59 at US RTE 20 (LAKE ST) NORTH RAMP_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

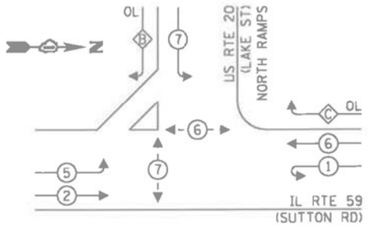
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #20
IL RTE 59 AT US RTE 20 (LAKE ST) NORTH RAMP INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	61
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



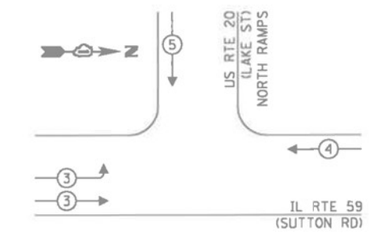
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	7	+	5
C	=	6	+	7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



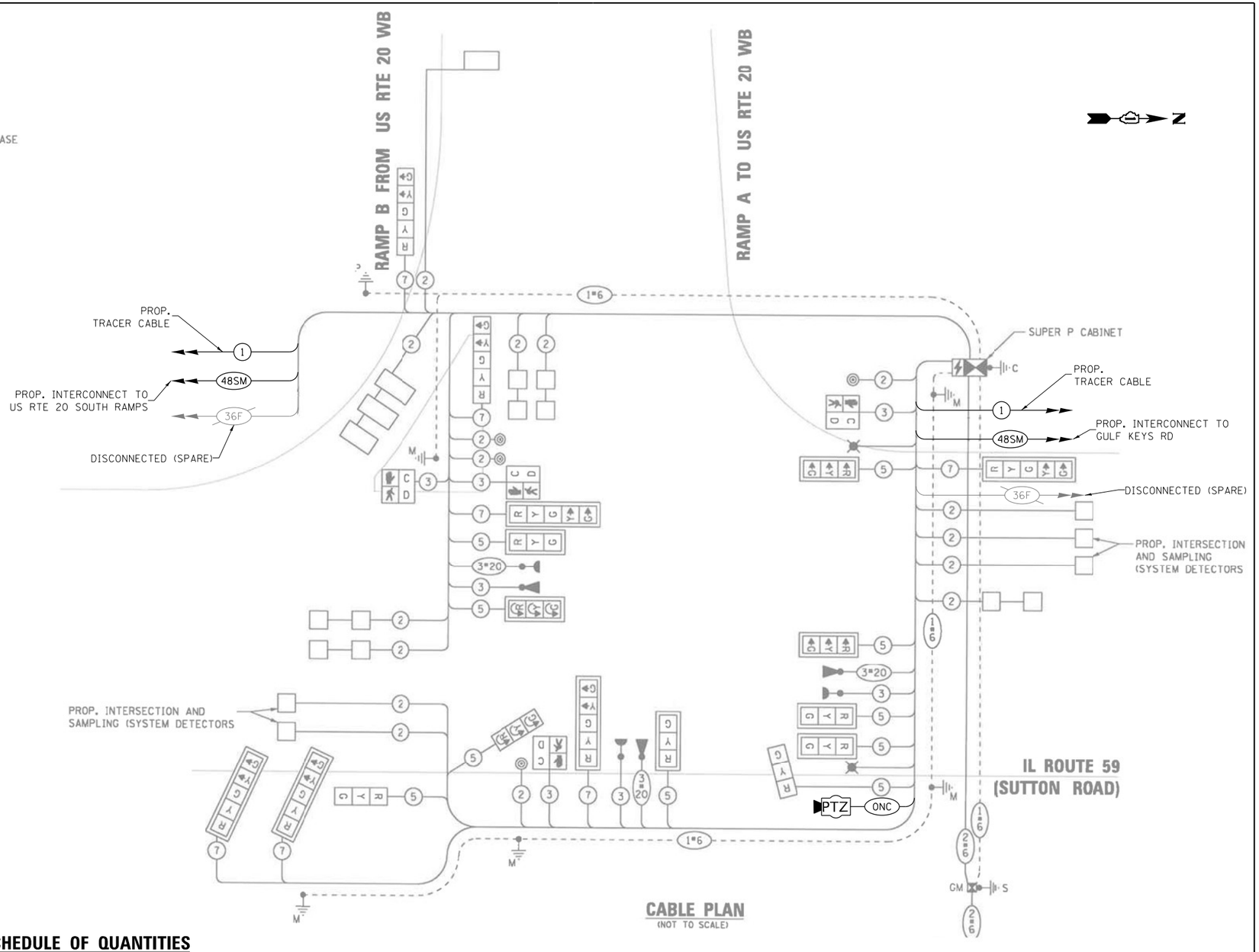
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	11	50	93.5
(YELLOW)	17	20	5	17.0
(GREEN)	17	12	45	91.8
PERMISSIVE ARROW	14	10	10	14.0
PED. SIGNAL	4	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	285	50	285.0
			TOTAL =	666.3

ENERGY COSTS TO:

VILLAGE OF BARTLETT
228 S MAIN STREET
BARTLETT, IL 60103

ENERGY SUPPLY: CONTACT: VIVIANA FELICIANO
PHONE: 630-360-0146
COMPANY: COMED
ACCOUNT NUMBER: 0403114090



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	232
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 1022
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #20
IL RTE 59 AT US RTE 20 (LAKE ST) NORTH RAMP INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	62
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\062-IL Rte 59 at US RTE 20 (LAKE ST) NORTH RAMP_CD.dgn

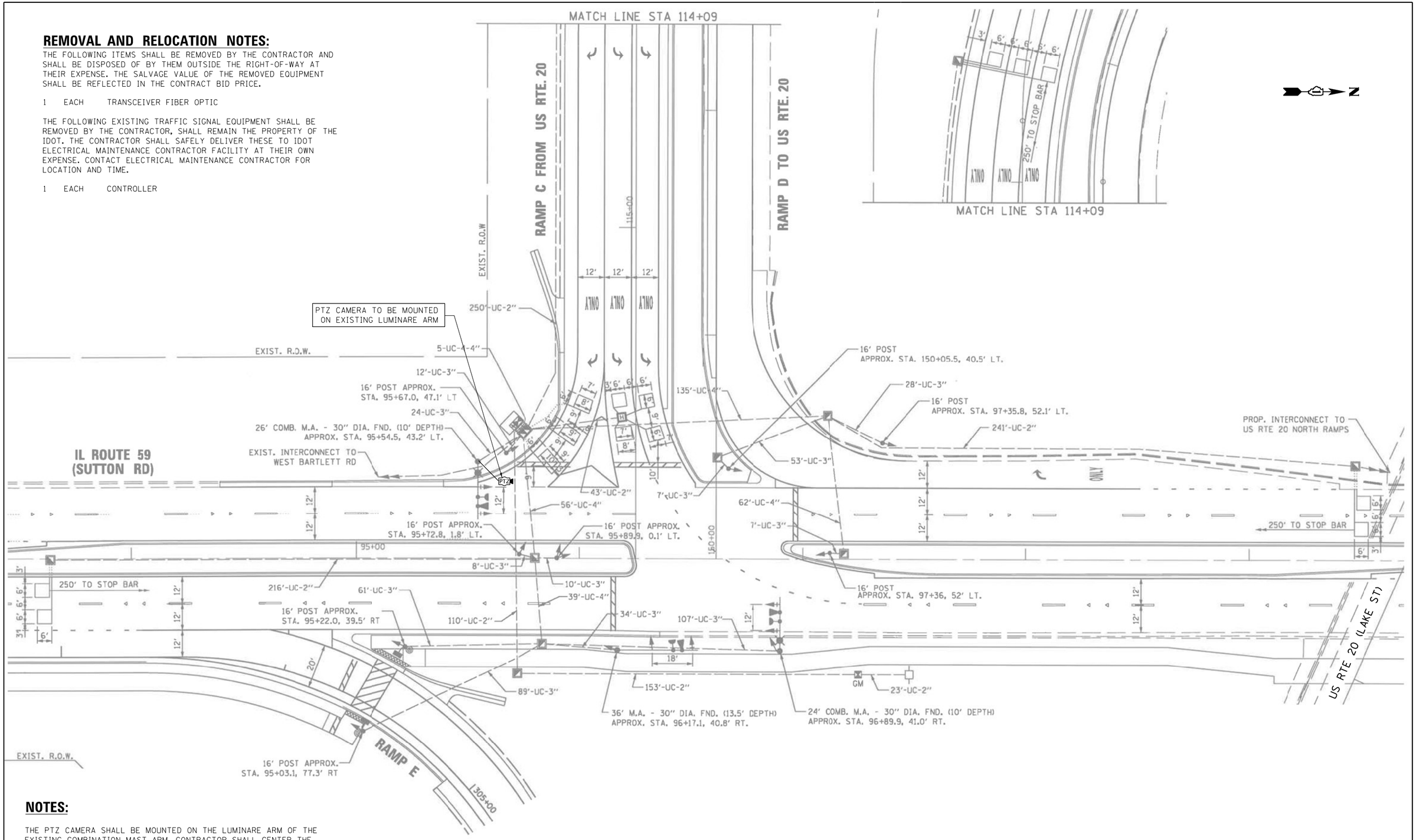
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 1023
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #21
IL RTE 59 AT US RTE 20 (LAKE ST) SOUTH RAMP INTERSECTION PLAN

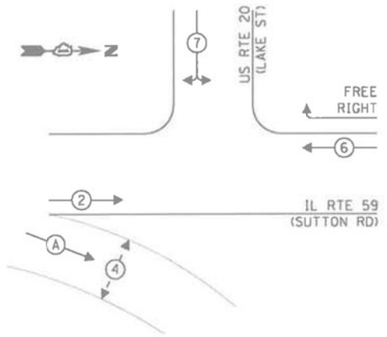
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	63
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\063_IL Rte 59 at US RTE 20 (LAKE ST) SOUTH RAMP_INT.dgn

PROPOSED CONTROLLER SEQUENCE



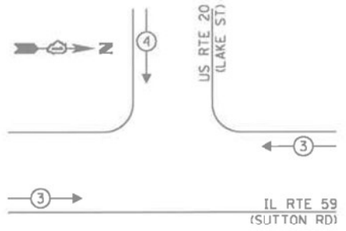
LEGEND:

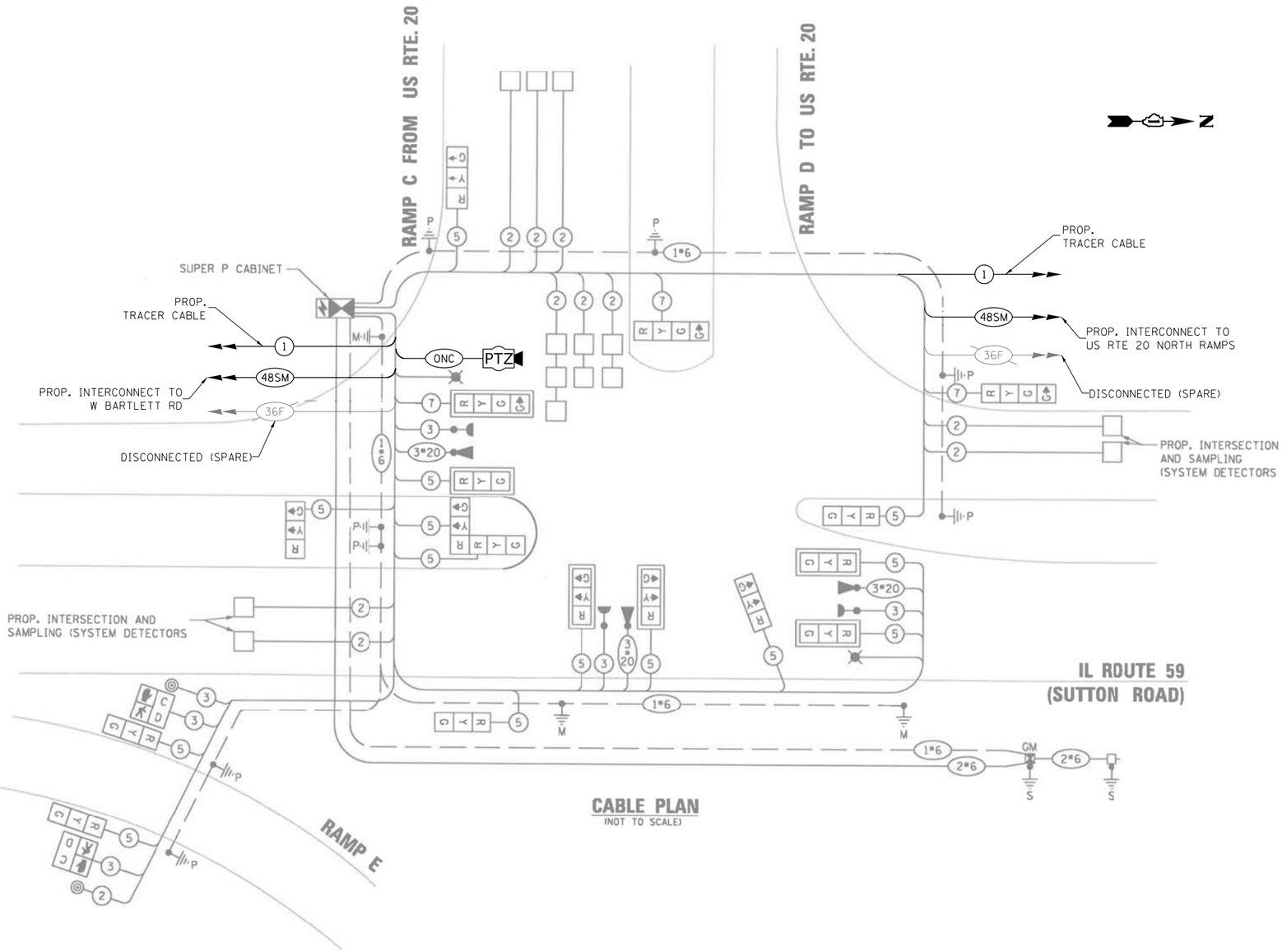
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
•	=	FREE RIGHT		

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	11	50	93.5
(YELLOW)	17	20	5	17.0
(GREEN)	17	12	45	91.8
PERMISSIVE ARROW	3	10	100	30.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	285	50	285.0
			TOTAL =	682.3

ENERGY COSTS TO:

VILLAGE OF BARTLETT
228 S MAIN STREET
BARTLETT, IL 60103

ENERGY SUPPLY: CONTACT: VIVIANA FELICIANO
PHONE: 630-360-0146
COMPANY: COMED
ACCOUNT NUMBER: 2833152008

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	95
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 1023
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #21
IL RTE 59 AT US RTE 20 (LAKE ST) SOUTH RAMP CABLE PLAN

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

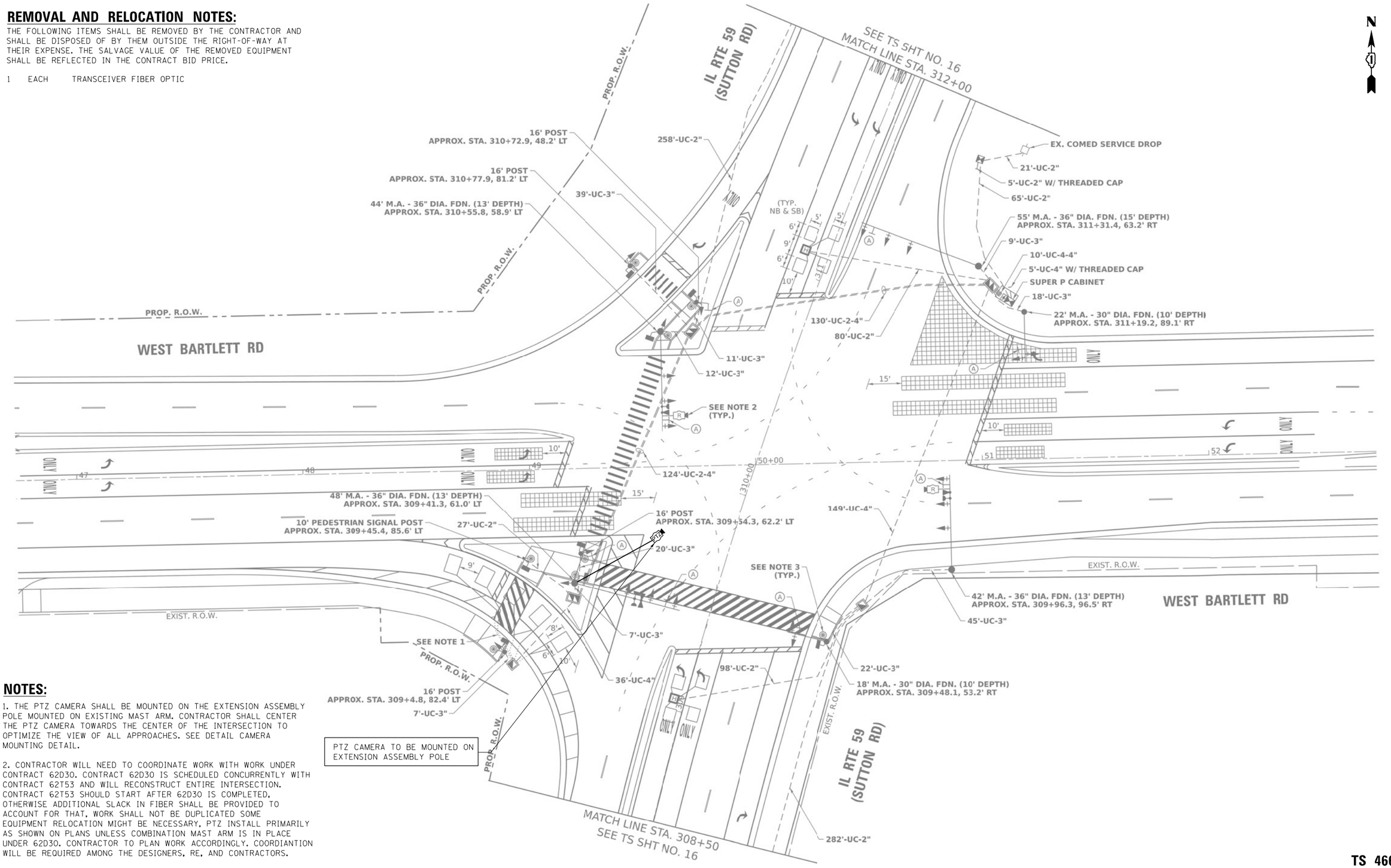
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	64
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\064_IL Rte 59 at US RTE 20 (LAKE ST) SOUTH RAMP_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62D30. CONTRACT 62D30 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62D30 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT. WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS UNLESS COMBINATION MAST ARM IS IN PLACE UNDER 62D30. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 4660
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

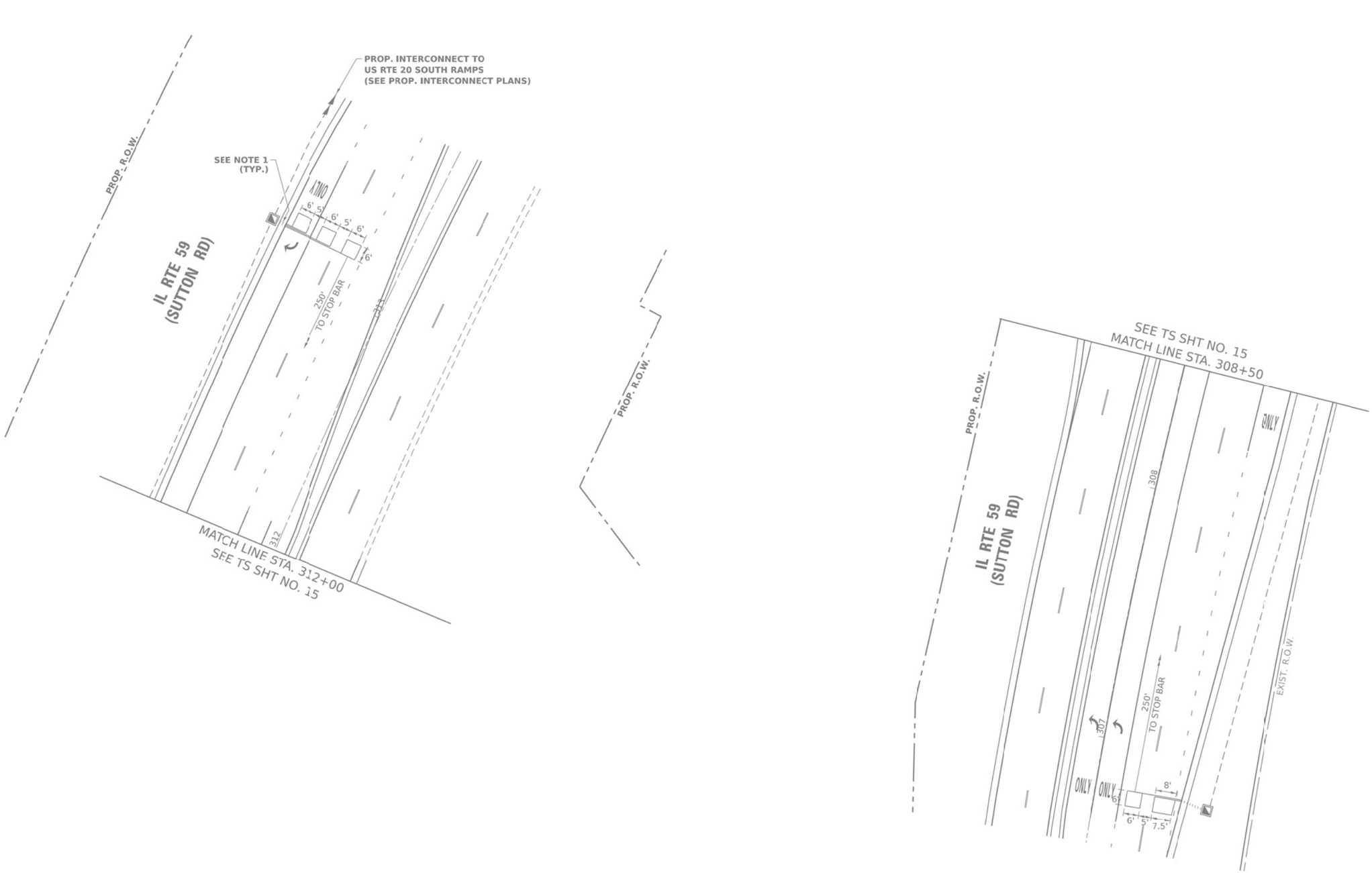
LOCATION #22
IL RTE 59 AT WEST BARTLETT RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	65
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\065_IL Rte 59 at BARTLETT RD_INT.dgn



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 4660
IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

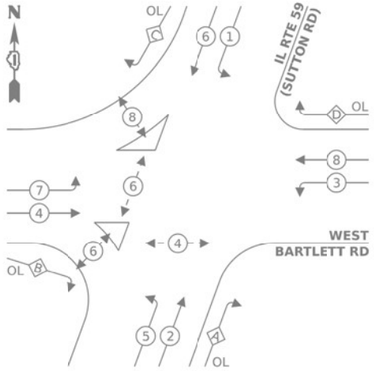
LOCATION #22
IL RTE 59 AT WEST BARTLETT RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	66
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\066_IL Rte 59 at BARTLETT RD_INT_2.dgn

PROPOSED CONTROLLER SEQUENCE



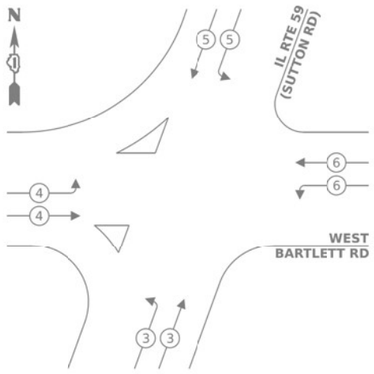
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

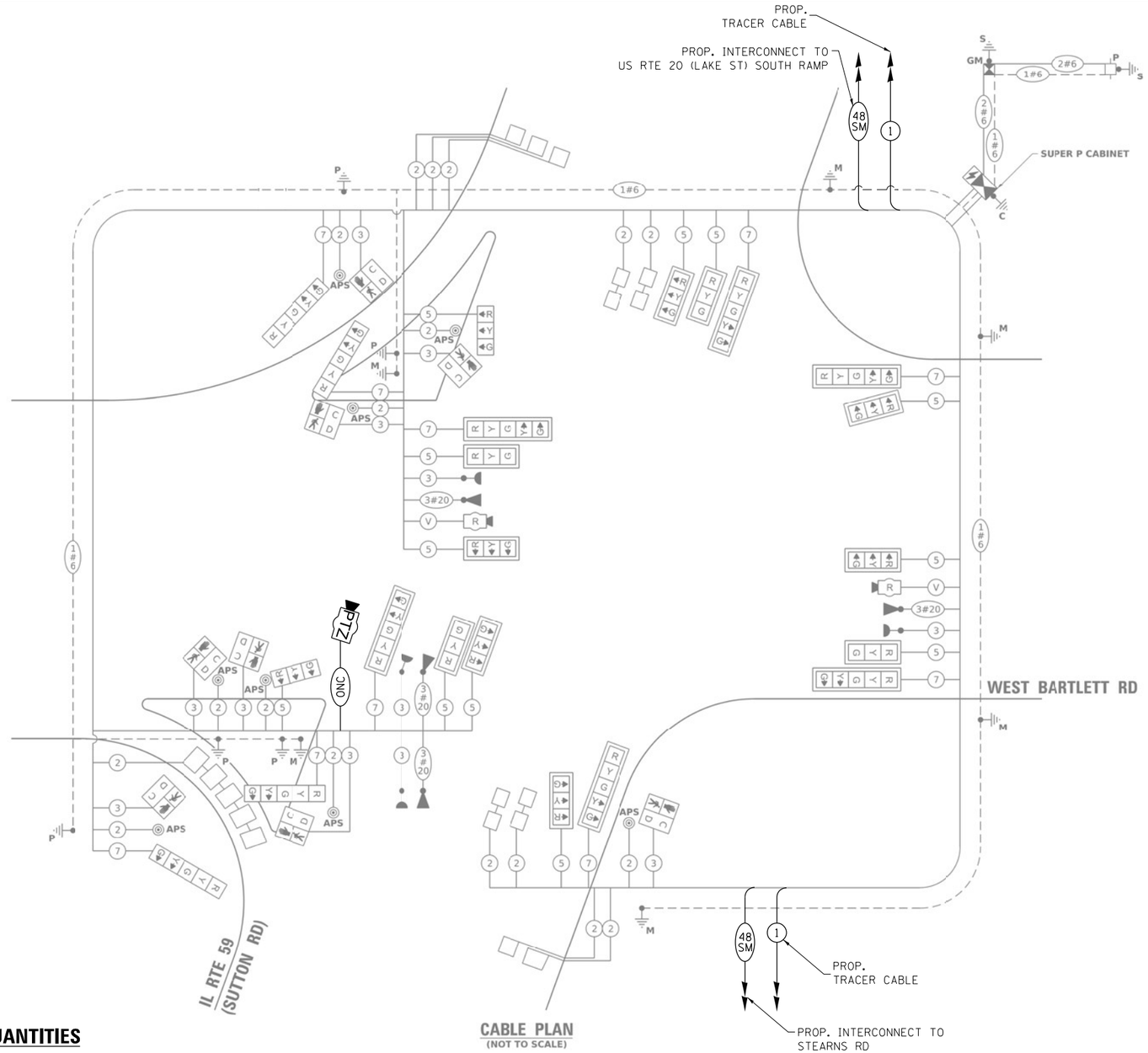
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	12	11	132
	4-SECTION	-	14	-
	5-SECTION	10	13	130
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		8	15	120
CONTROLLER		1	150	150
MASTER CONTROLLER		-	100	-
UPS		1	25	25
DETECTION	RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH	II OR III	-	35	-
CELLULAR MODEM		-	15	-
	TOTAL UPS SIZING			597
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		-	15	-
LED STREET NAME SIGN		-	120	-
LUMINAIRE		-	240	-
	TOTAL SERVICE WIRE SIZING			1,202



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	365
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
CAMERA MOUNTING ASSEMBLY	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 4660
IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD\Sheets\067.IL Rte 59 at BARTLETT RD.CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #22
IL RTE 59 AT WEST BARTLETT RD INTERSECTION PLAN

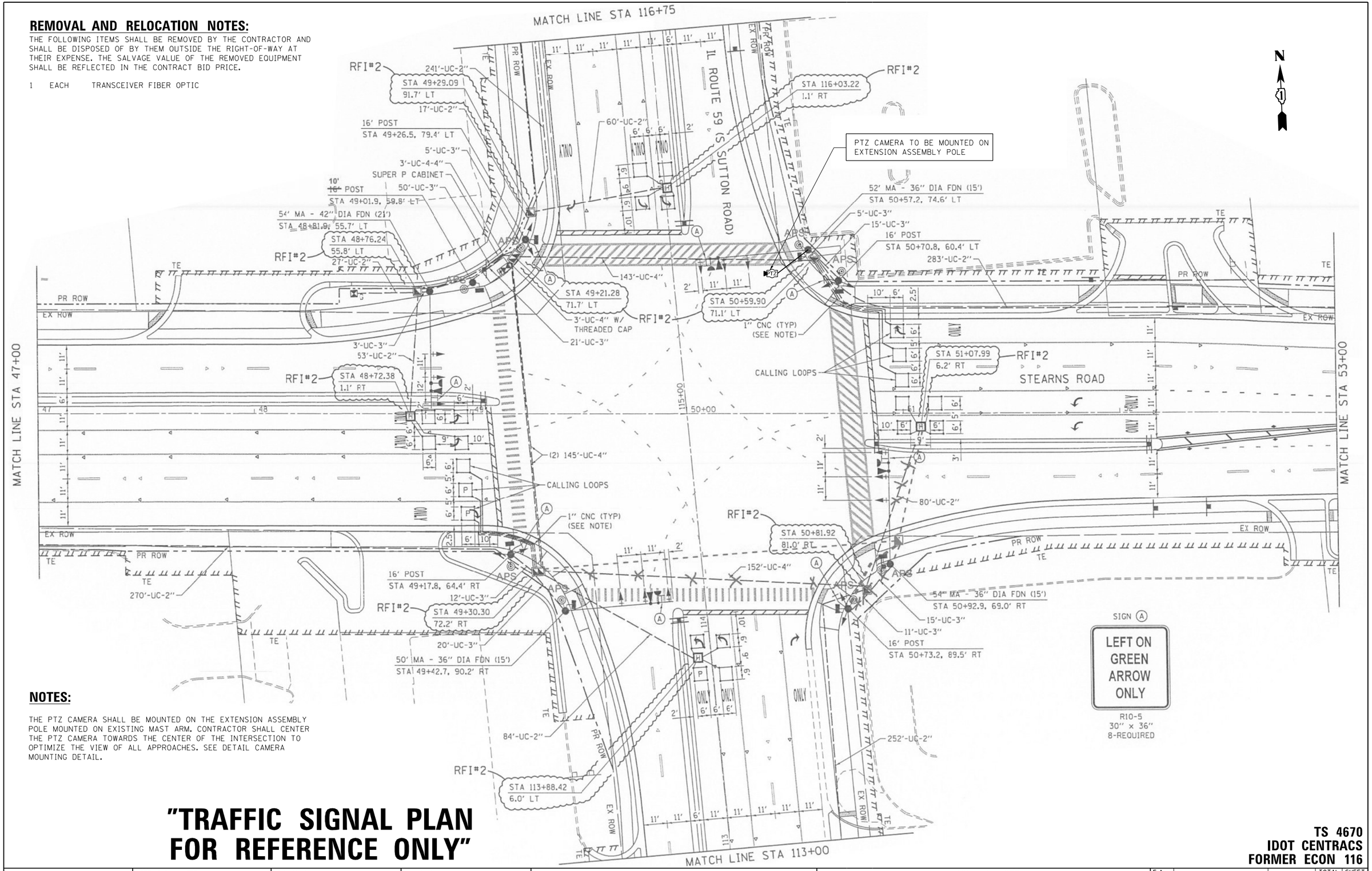
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	67
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 4670
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

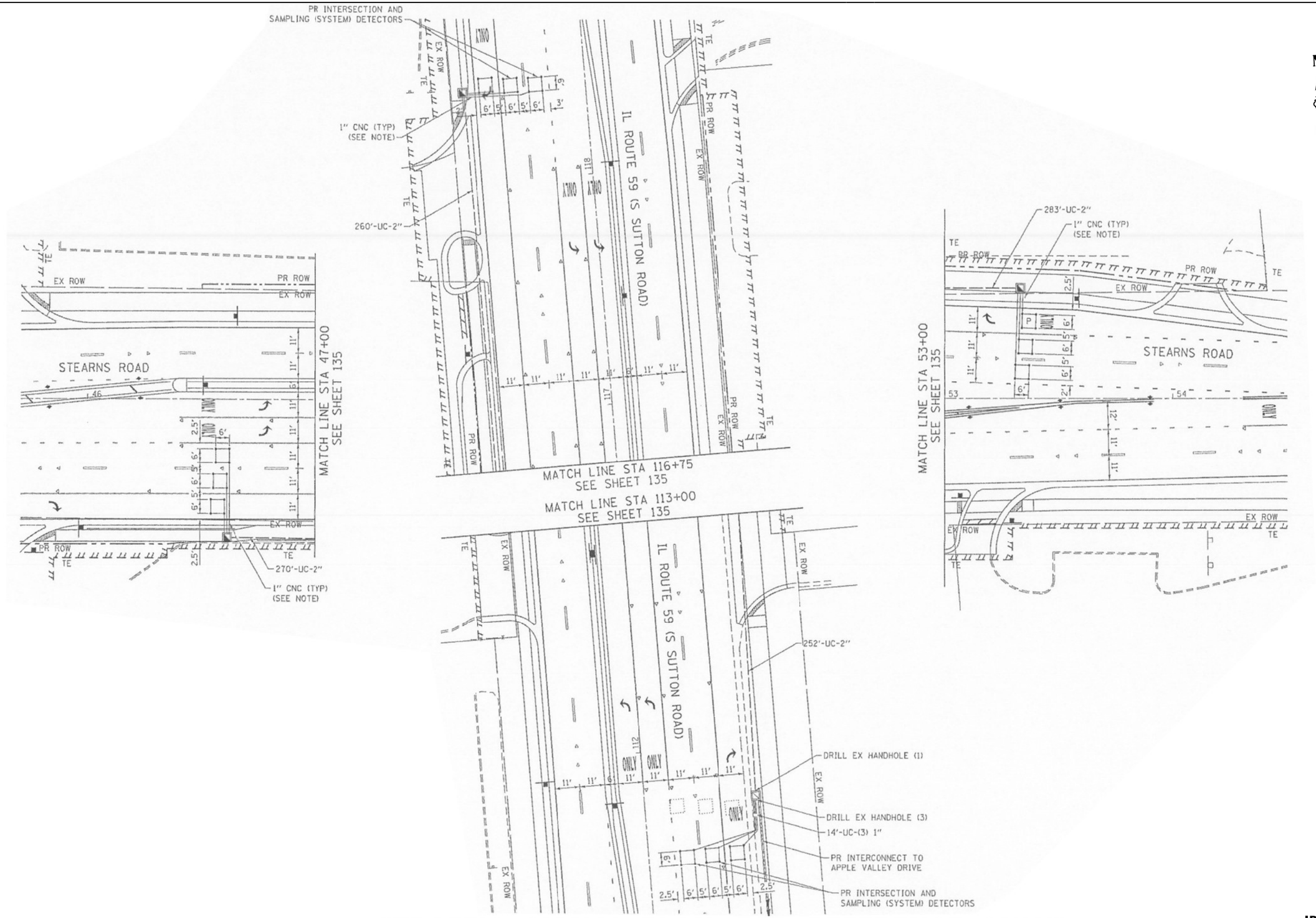
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #23
IL RTE 59 AT STEARNS RD INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	68
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\068_IL Rte 59 at STEARNS RD_INT.dgn



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 4670
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

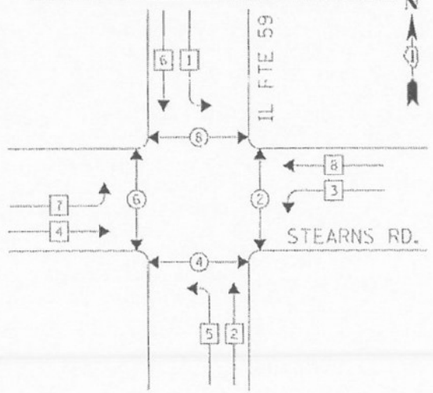
LOCATION #23
IL RTE 59 AT STEARNS RD INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	69
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\069_IL Rte 59 at STEARNS RD_INT_2.dgn

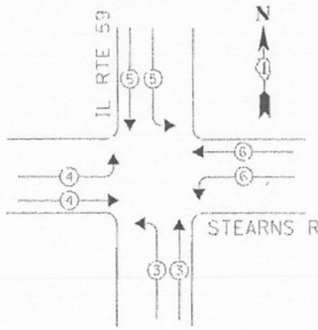
PROPOSED CONTROLLER SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

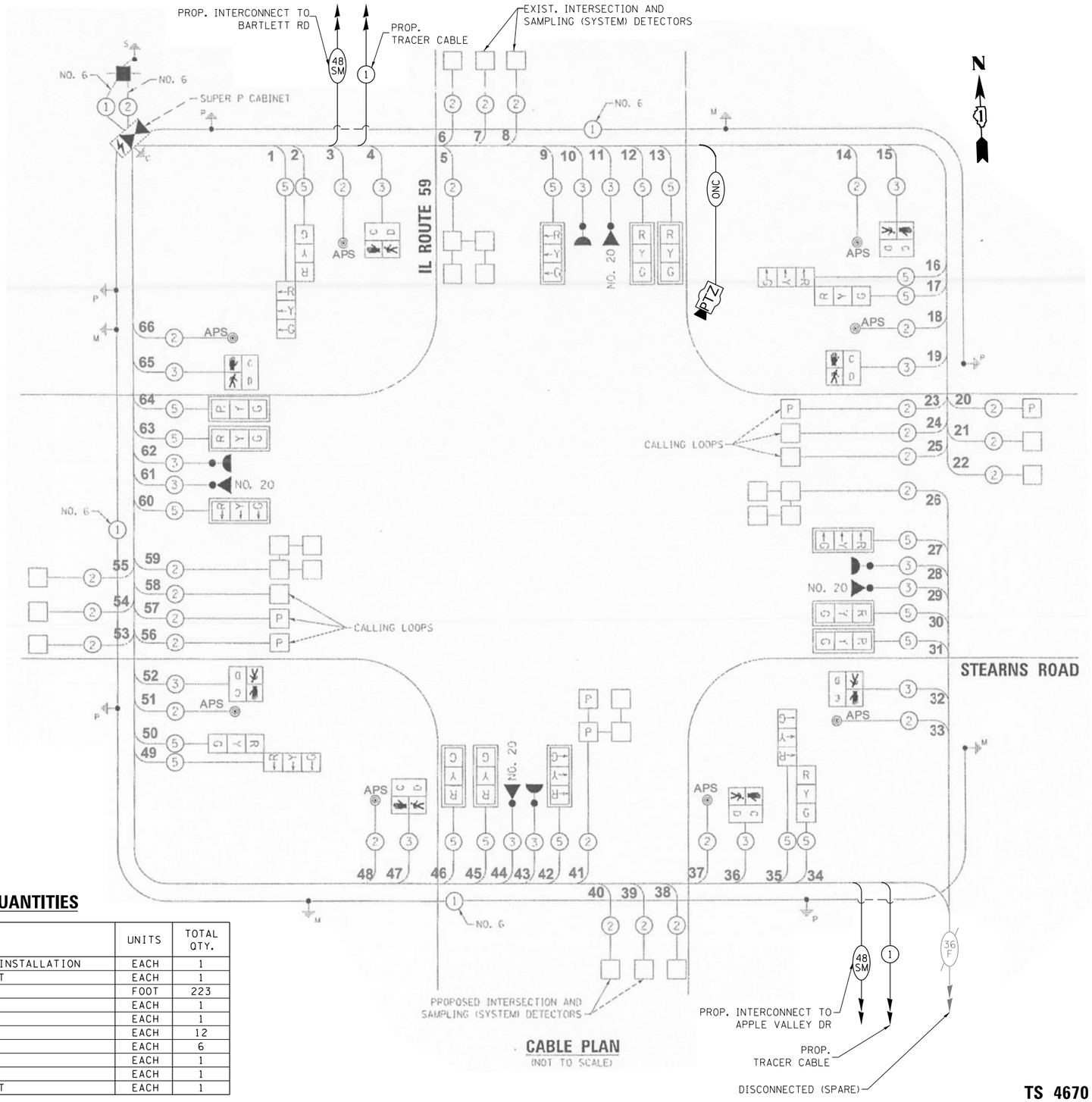


I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	XOPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	-	17	0.50	170.0
(YELLOW)	20	-	25	0.25	125.0
(GREEN)	20	-	15	0.25	75.0
ARROW	16	-	12	0.10	19.2
PED. SIGNAL	8	-	25	1.00	200.0
CONTROLLER	1	100	-	1.00	100.0
ILLUM. SIGN	-	-	-	0.50	-
VIDEO SYSTEM	-	150	-	1.00	-
BATTERY BACKUP	1	25	-	1.00	25.0
LUMINAIRE	-	-	-	0.50	-
FLASHER	-	-	-	0.50	-
				TOTAL =	714.2

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY- CONTACT DAVE SCHACHT
PHONE (630) 437-2129
COMMONWEALTH EDISON



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	223
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
CAMERA MOUNTING ASSEMBLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 4670
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #23
IL RTE 59 AT STEARNS RD CABLE PLAN

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

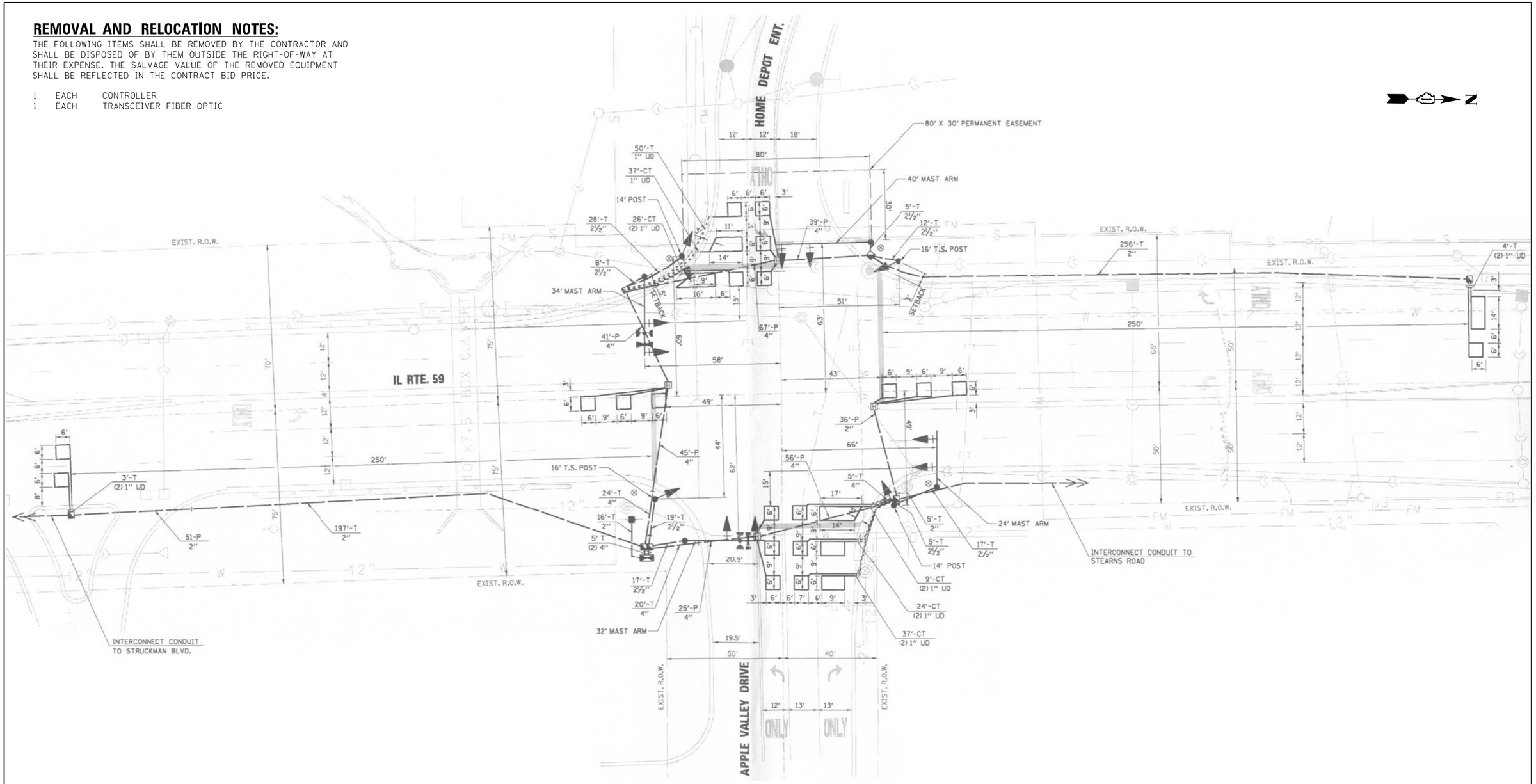
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	70
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\070_IL Rte 59 at STEARNS RD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6378
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

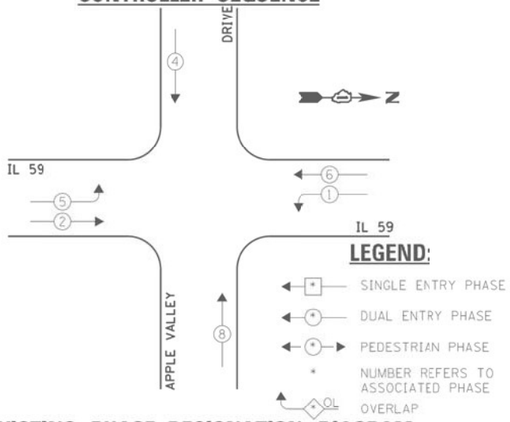
LOCATION #24
IL RTE 59 AT APPLE VALLEY DR INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	71
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

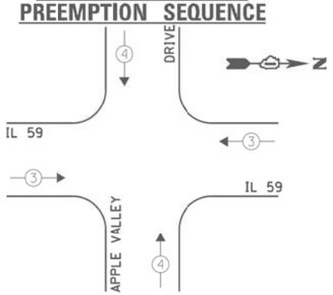
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\071_IL Rte 59 at APPLE VALLEY DR_INT.dgn

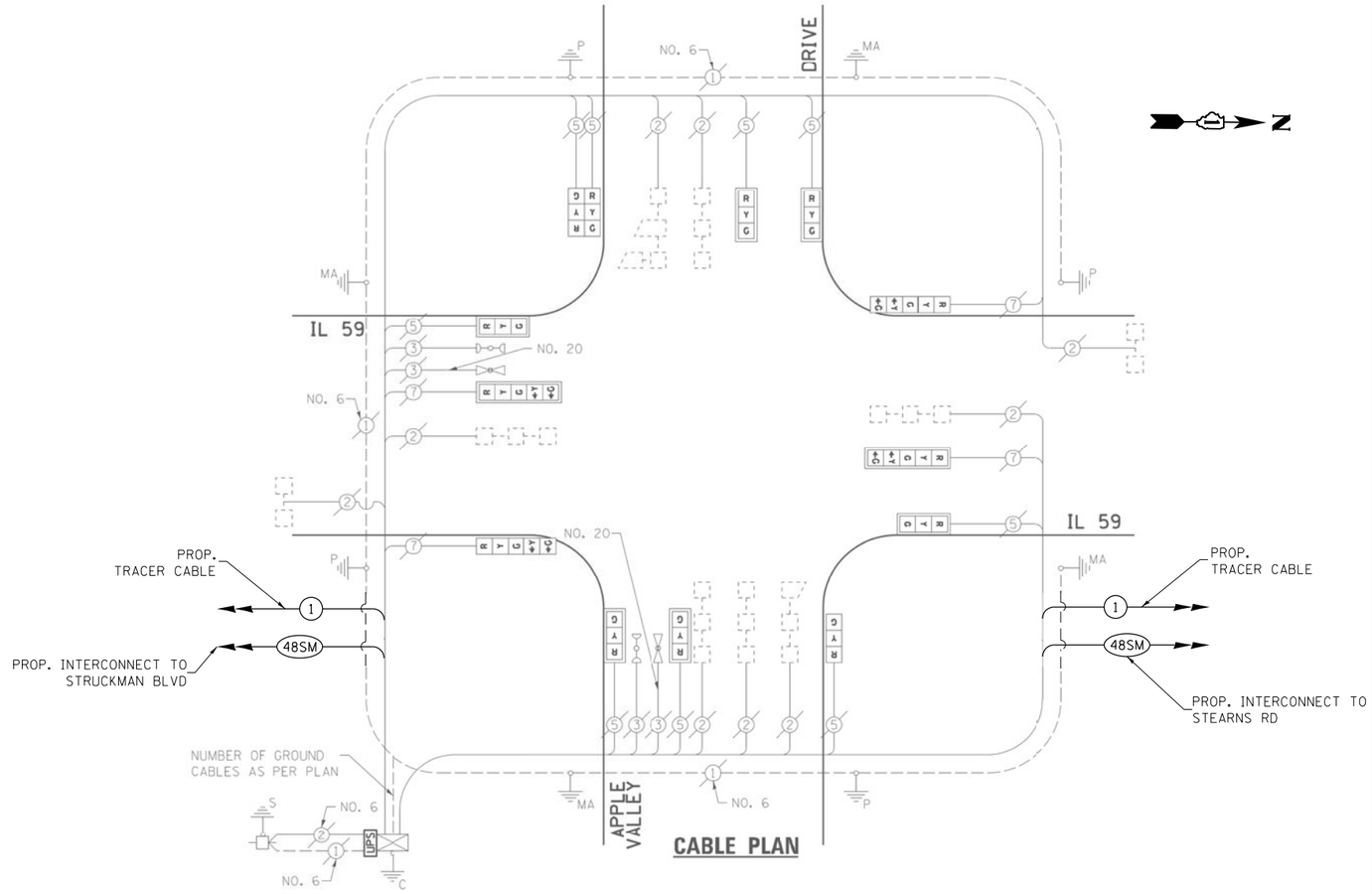
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	13	135	17	0.50	110.5
SIGNAL (YELLOW)	13	135	25	0.25	81.25
SIGNAL (GREEN)	13	135	15	0.25	48.75
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	375.1

ENERGY COSTS - BILLED TO: VILLAGE OF BARTLETT
(ADDRESS) 228 SOUTH MAIN STREET
(ADDRESS) BARTLETT, IL 60103
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
Ssplice FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6378
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #24
IL RTE 59 AT APPLE VALLEY DR CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	72
		CONTRACT NO. 62T53		

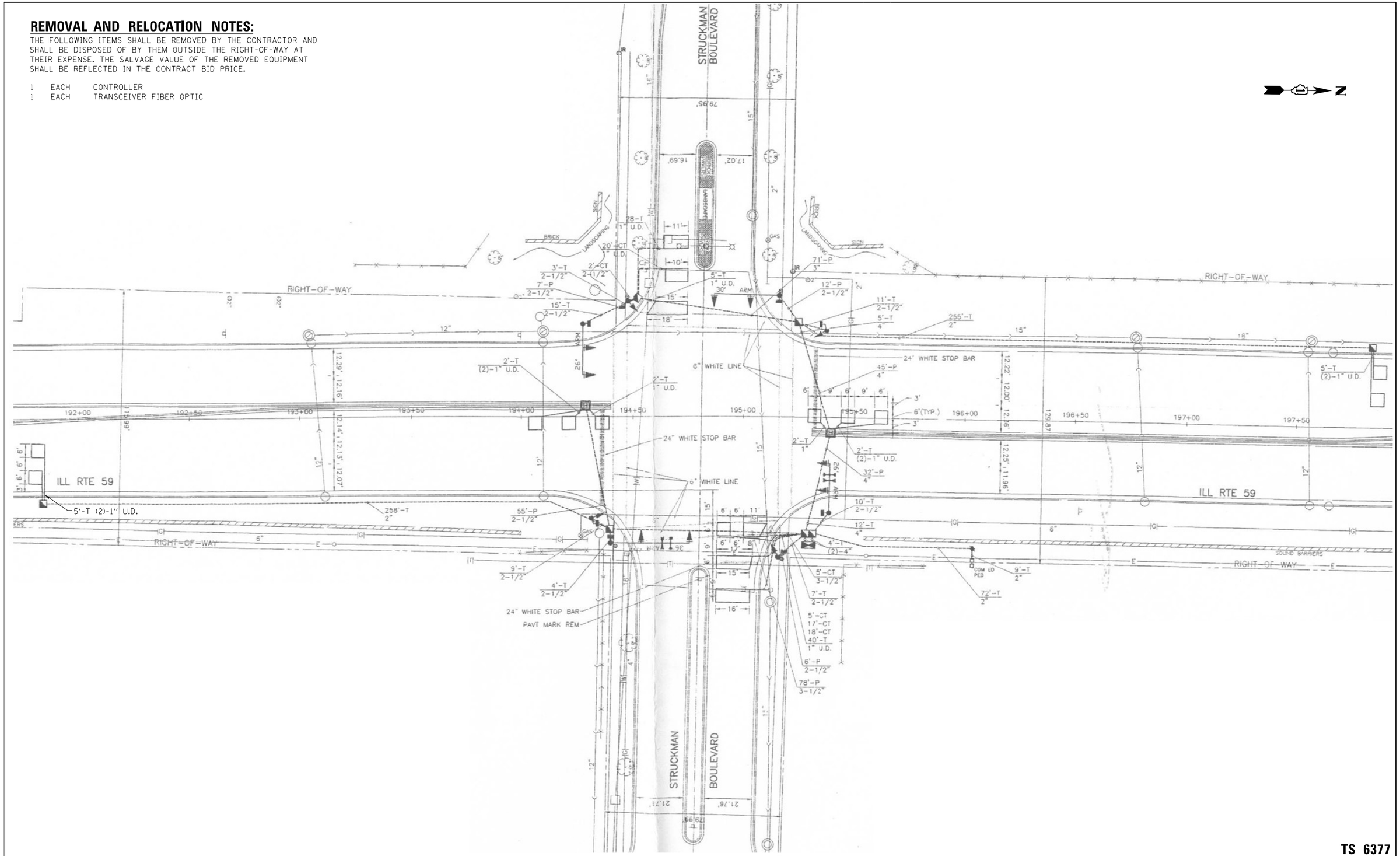
FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\072_IL Rte 59 at APPLE VALLEY DR_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6377
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

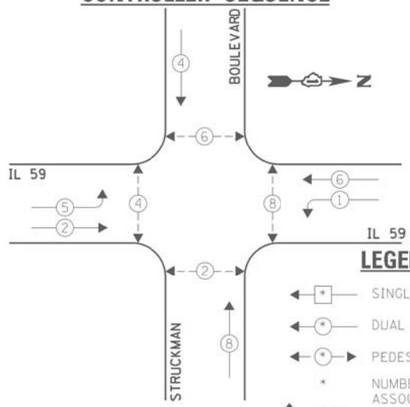
LOCATION #25
IL RTE 59 AT STRUCKMAN BLVD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	73
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

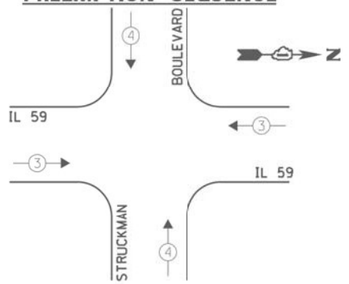
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\073_IL Rte 59 at STRUCKMAN BLVD_INT.dgn

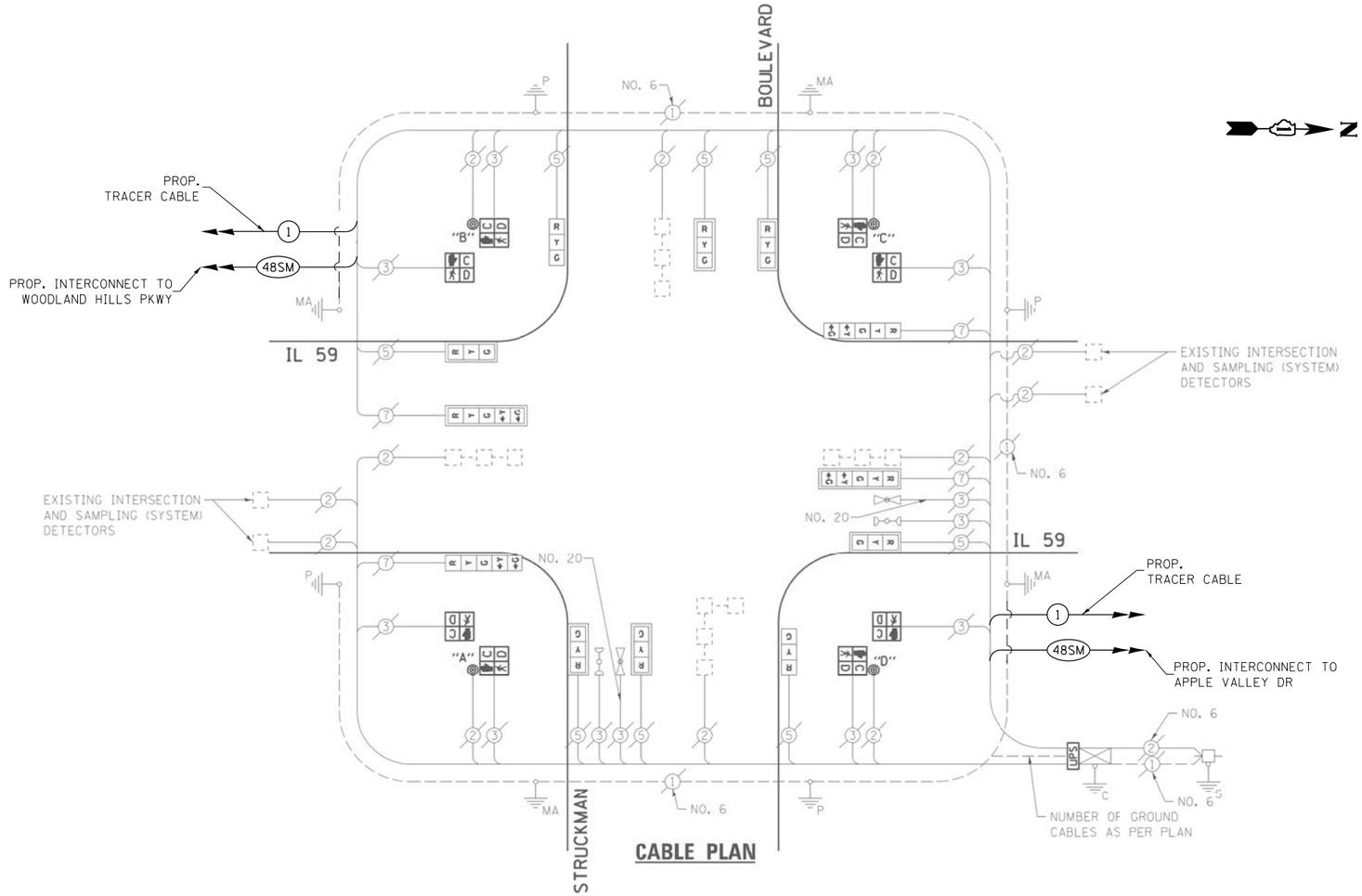
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
Ssplice FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	12	135	15	0.25	45.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	556.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHALMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

TS 6377
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #25
IL RTE 59 AT STRUCKMAN BLVD CABLE PLAN

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

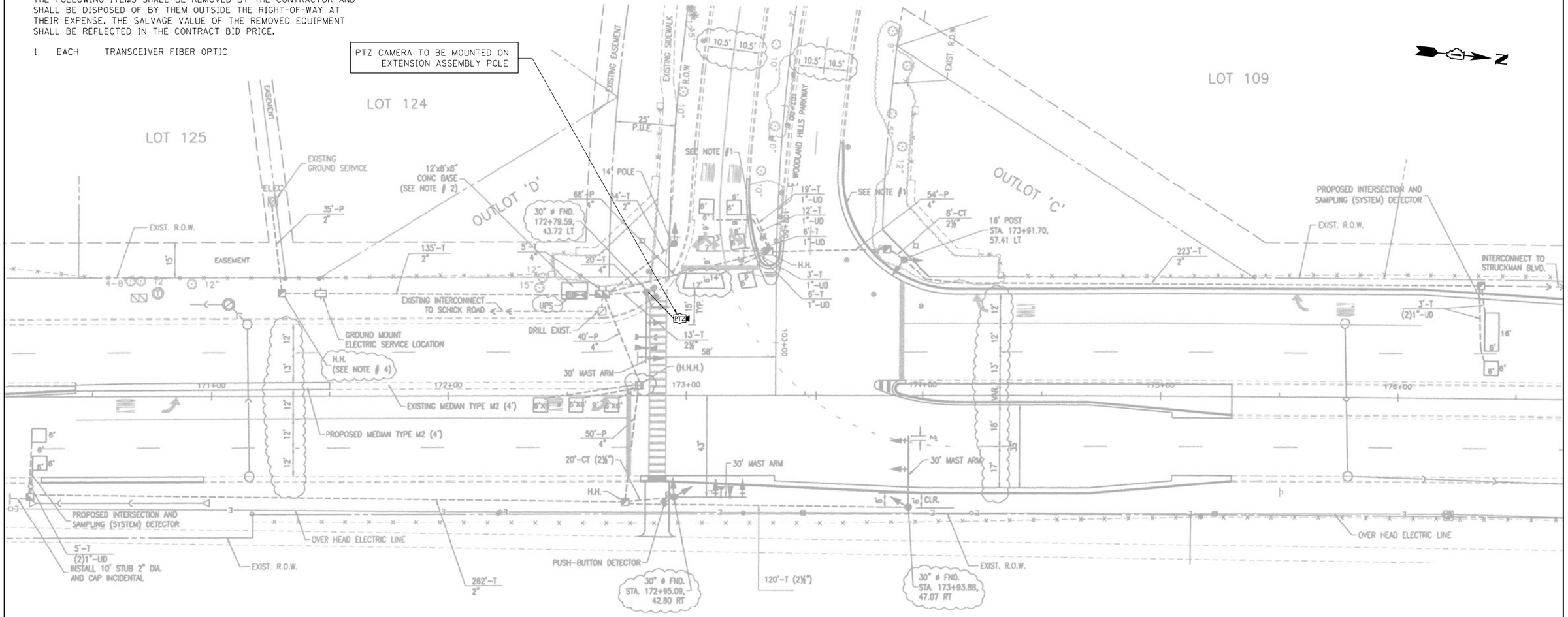
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	74
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\074_IL Rte 59 at STRUCKMAN BLVD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6379
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

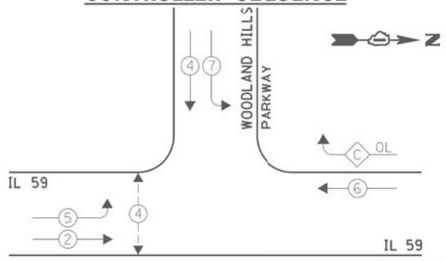
LOCATION #26
IL RTE 59 AT WOODLAND HILLS PKWY INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	75
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\075_IL Rte 59 at WOODLAND HILLS PKWY_INT.dgn

EXISTING CONTROLLER SEQUENCE



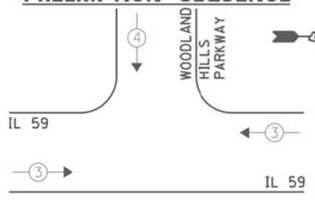
OVERLAP LETTER C = PERMISSIVE PHASE 6 + PROTECTED PHASE 7

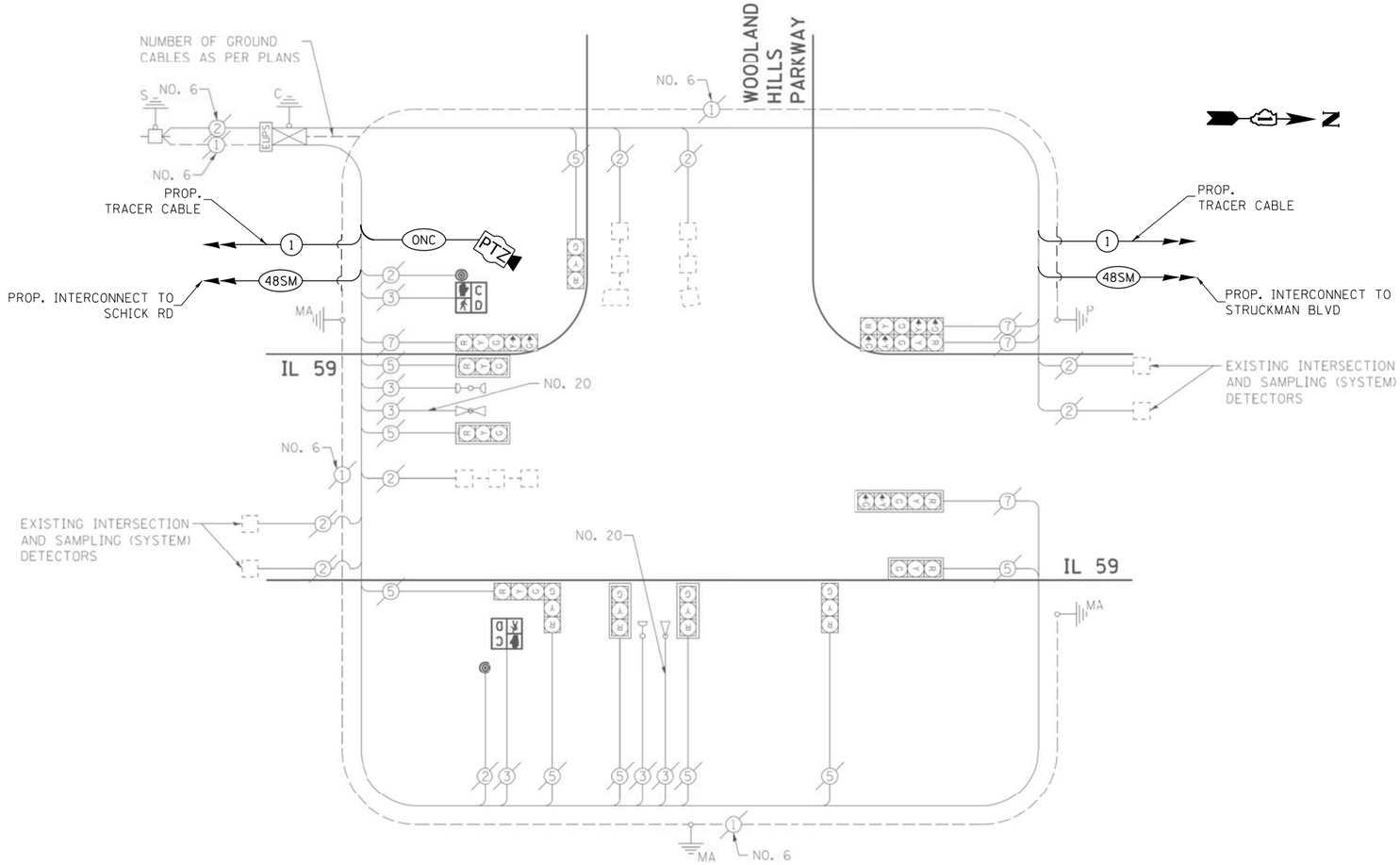
LEGEND:

- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
		WATTAGE			
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	13	135	17	0.50	110.5
SIGNAL (YELLOW)	13	135	25	0.25	81.25
SIGNAL (GREEN)	13	135	15	0.25	48.75
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	2	90	25	1.00	50.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	425.1

ENERGY COSTS - BILLED TO: VILLAGE OF BARTLETT
(ADDRESS) 228 SOUTH MAIN STREET
(ADDRESS) BARTLETT, IL 60103
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	84
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6379
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #26
IL RTE 59 AT WOODLAND HILLS PKWY CABLE PLAN

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

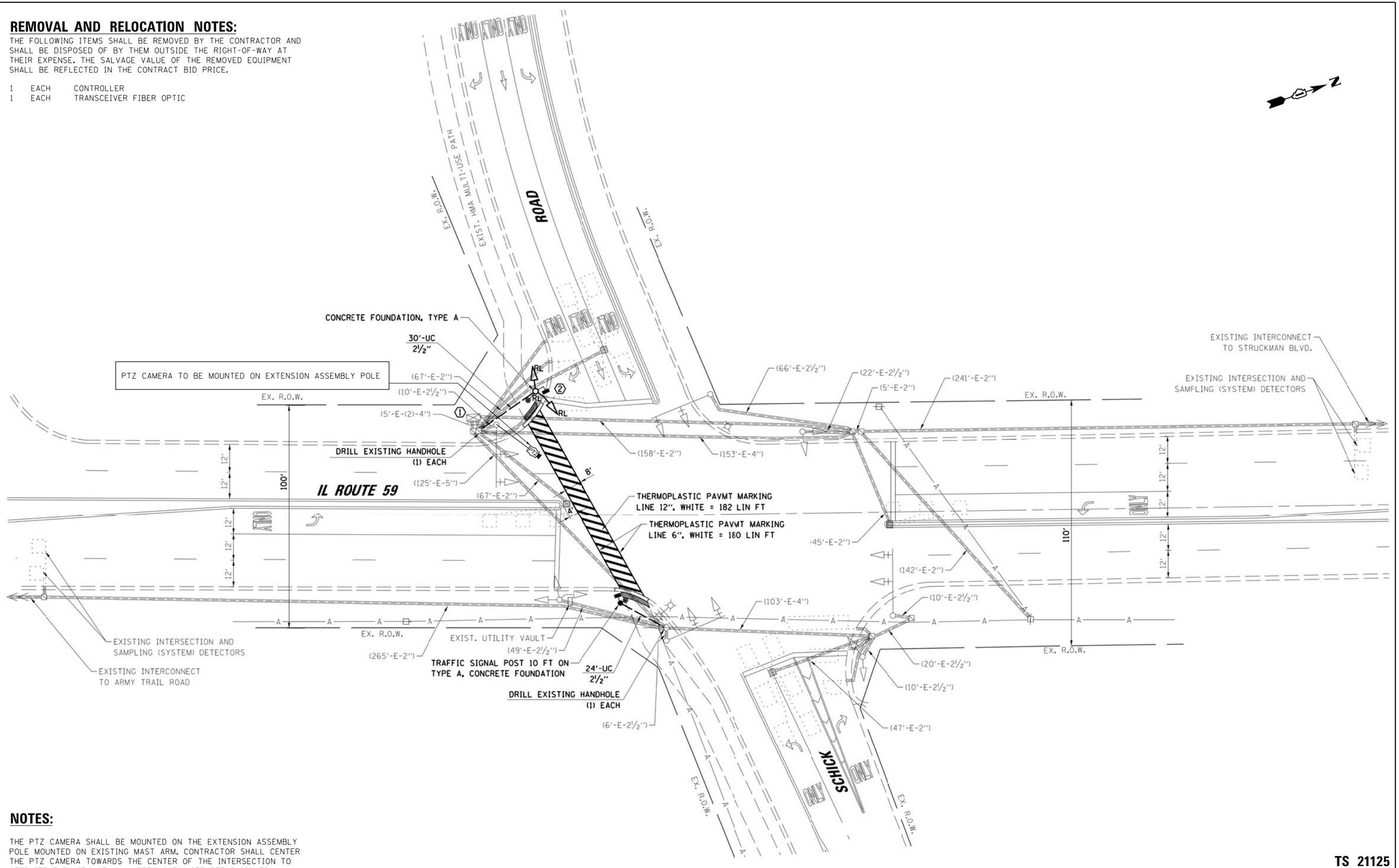
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	76
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\076_IL Rte 59 at WOODLAND HILLS PKWY.CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21125
IDOT CENTRACS
FORMER ECON 116

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\077.IL Rte 59 at SCHICK RD_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

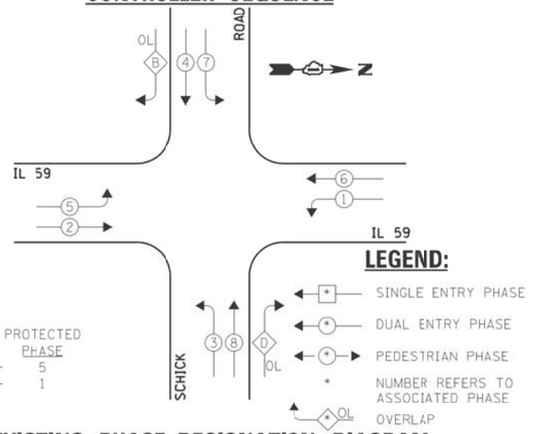
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #27
IL RTE 59 AT SCHICK RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	77
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

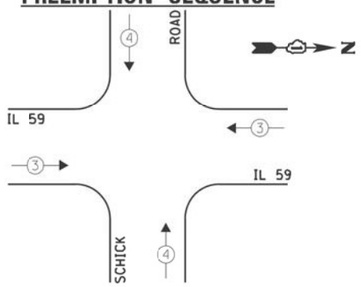
EXISTING CONTROLLER SEQUENCE

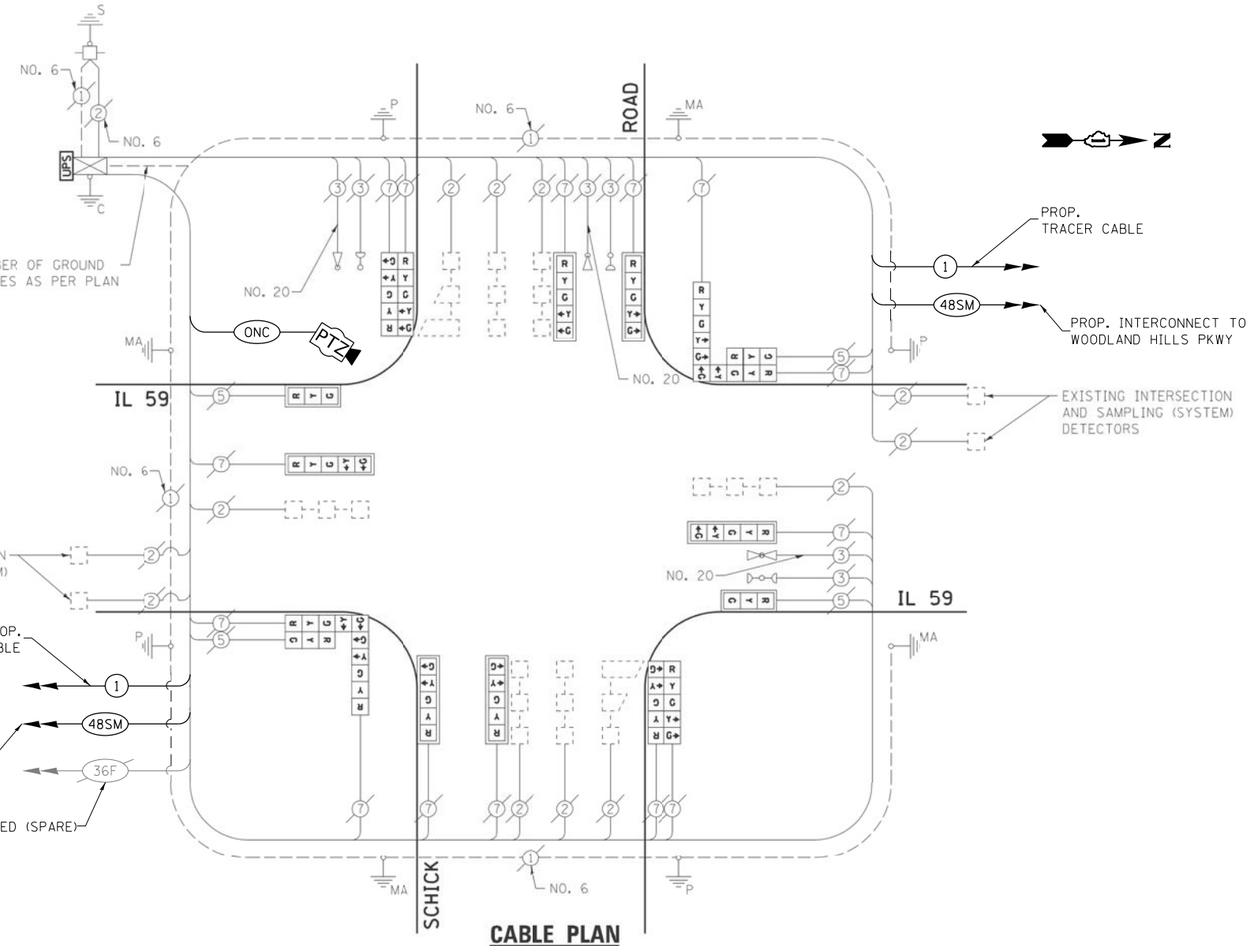


OVERLAP LETTER	PERMISSIVE PHASE		PROTECTED PHASE
B	4	+	5
D	8	+	1

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	80
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	135	17	0.50	153.0
SIGNAL (YELLOW)	18	135	25	0.25	112.5
SIGNAL (GREEN)	18	135	15	0.25	67.5
ARROW	28	135	12	0.10	33.6
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	491.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

TS 21125
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #27
IL RTE 59 AT SCHICK RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	78
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\078.IL Rte 59 at SCHICK RD.CD.dgn

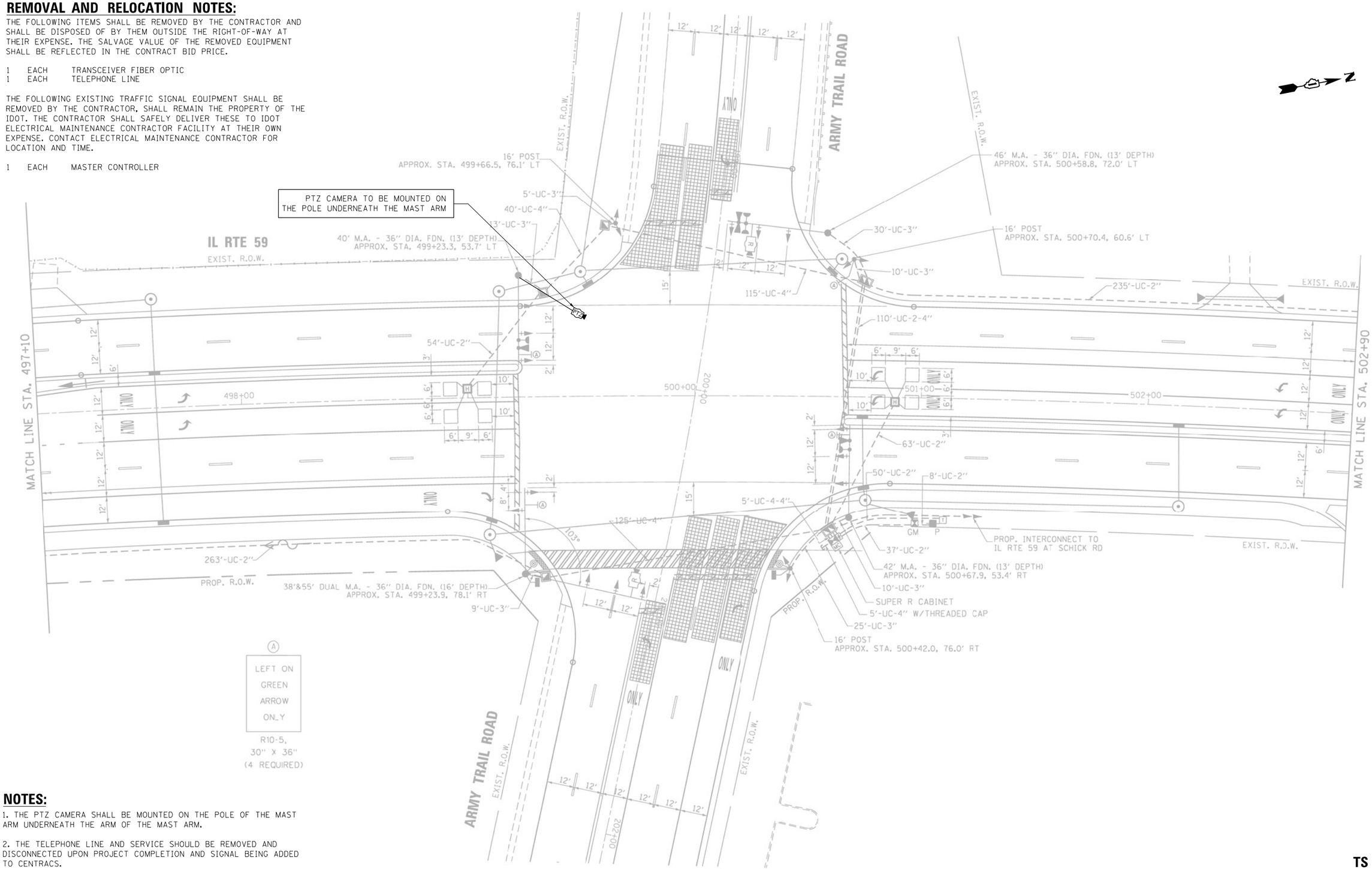
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH TELEPHONE LINE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH MASTER CONTROLLER



NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE POLE OF THE MAST ARM UNDERNEATH THE ARM OF THE MAST ARM.

2. THE TELEPHONE LINE AND SERVICE SHOULD BE REMOVED AND DISCONNECTED UPON PROJECT COMPLETION AND SIGNAL BEING ADDED TO CENTRACS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6365
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

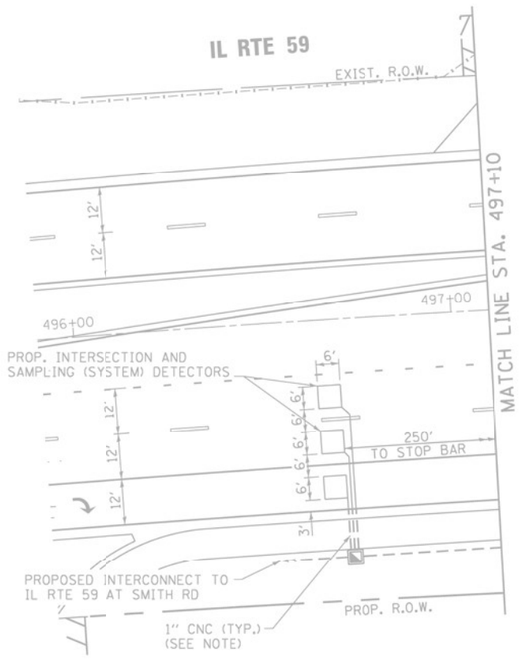
LOCATION #28
IL RTE 59 AT ARMY TRAIL RD INTERSECTION PLAN
SHEET 1

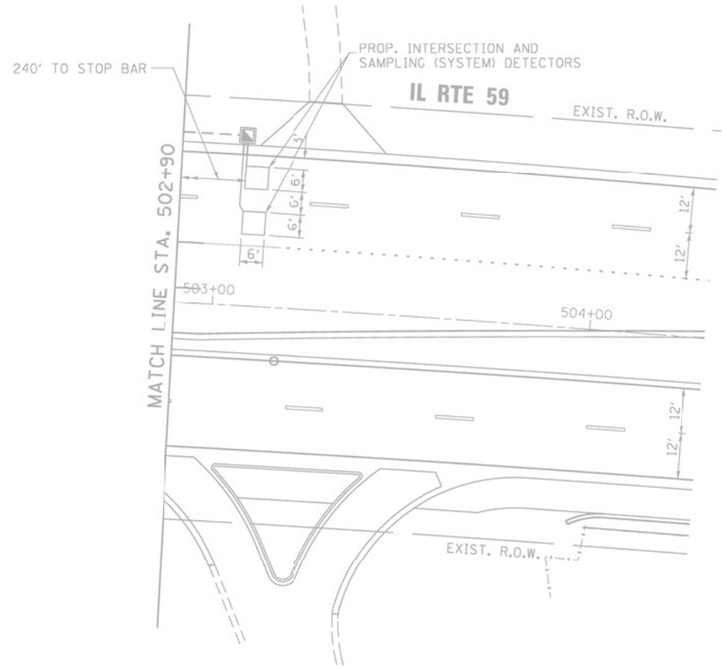
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	79
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\079_IL Rte 59 at ARMY TRAIL RD_INT.dgn





"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6365
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

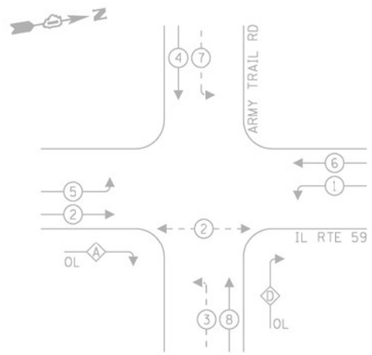
LOCATION #28
IL RTE 59 AT ARMY TRAIL RD INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	80
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\080_IL Rte 59 at ARMY TRAIL RD_INT_2.dgn

PROPOSED CONTROLLER SEQUENCE



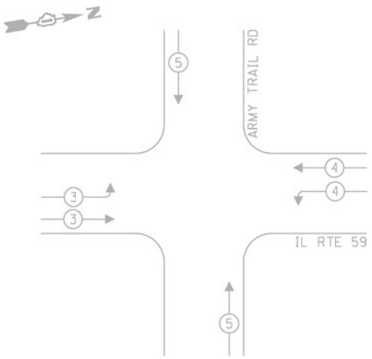
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



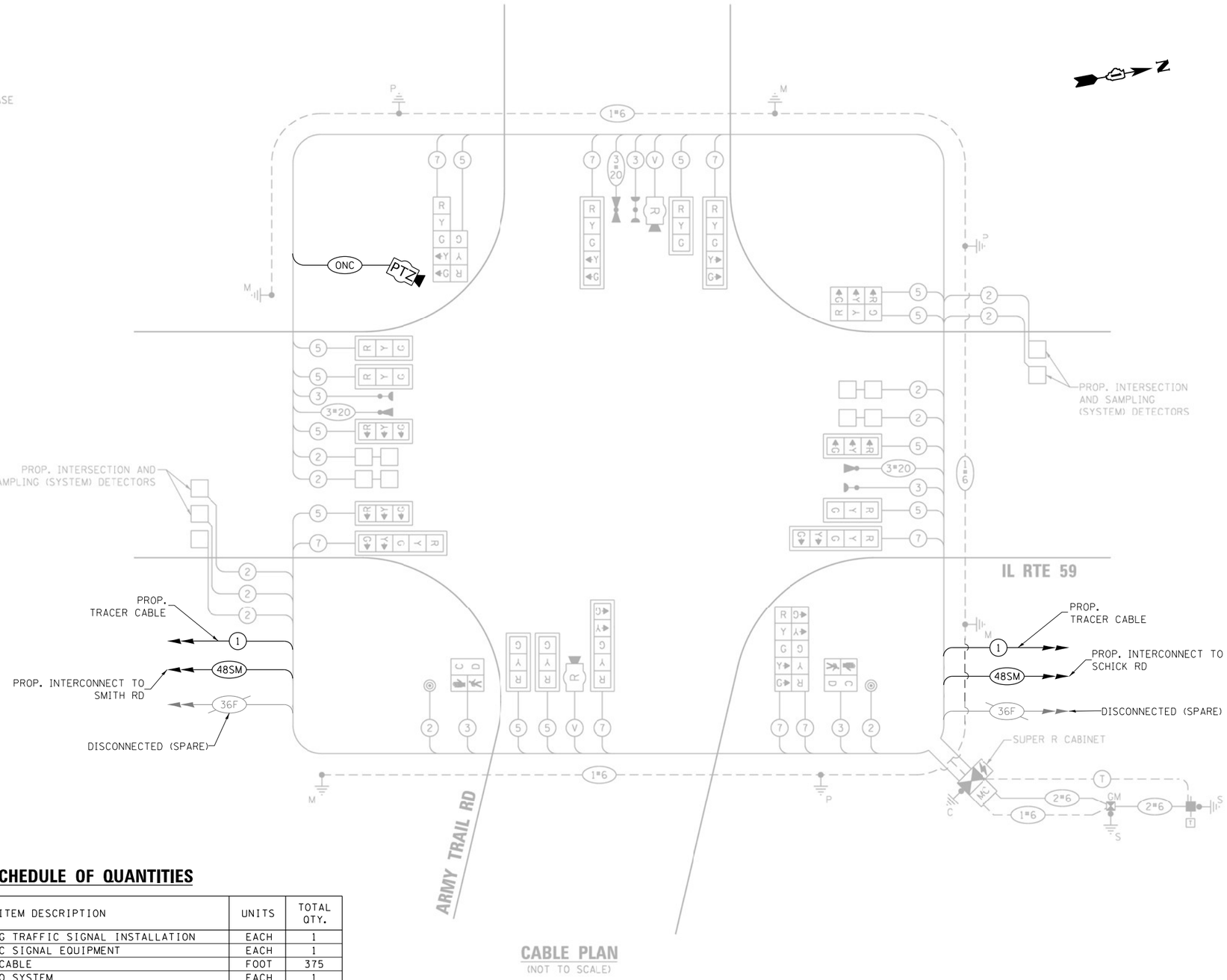
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	2	100	100	200.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	519.0

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: RENEE MAZARIEGOS
PHONE: (847) 608-2331
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	375
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
POWER OVER ETHERNET EXTENDER	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6365
IDOT CENTRACS
FORMER ECON 116

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\081_IL Rte 59 at ARMY TRAIL RD_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #28
IL RTE 59 AT ARMY TRAIL RD CABLE PLAN

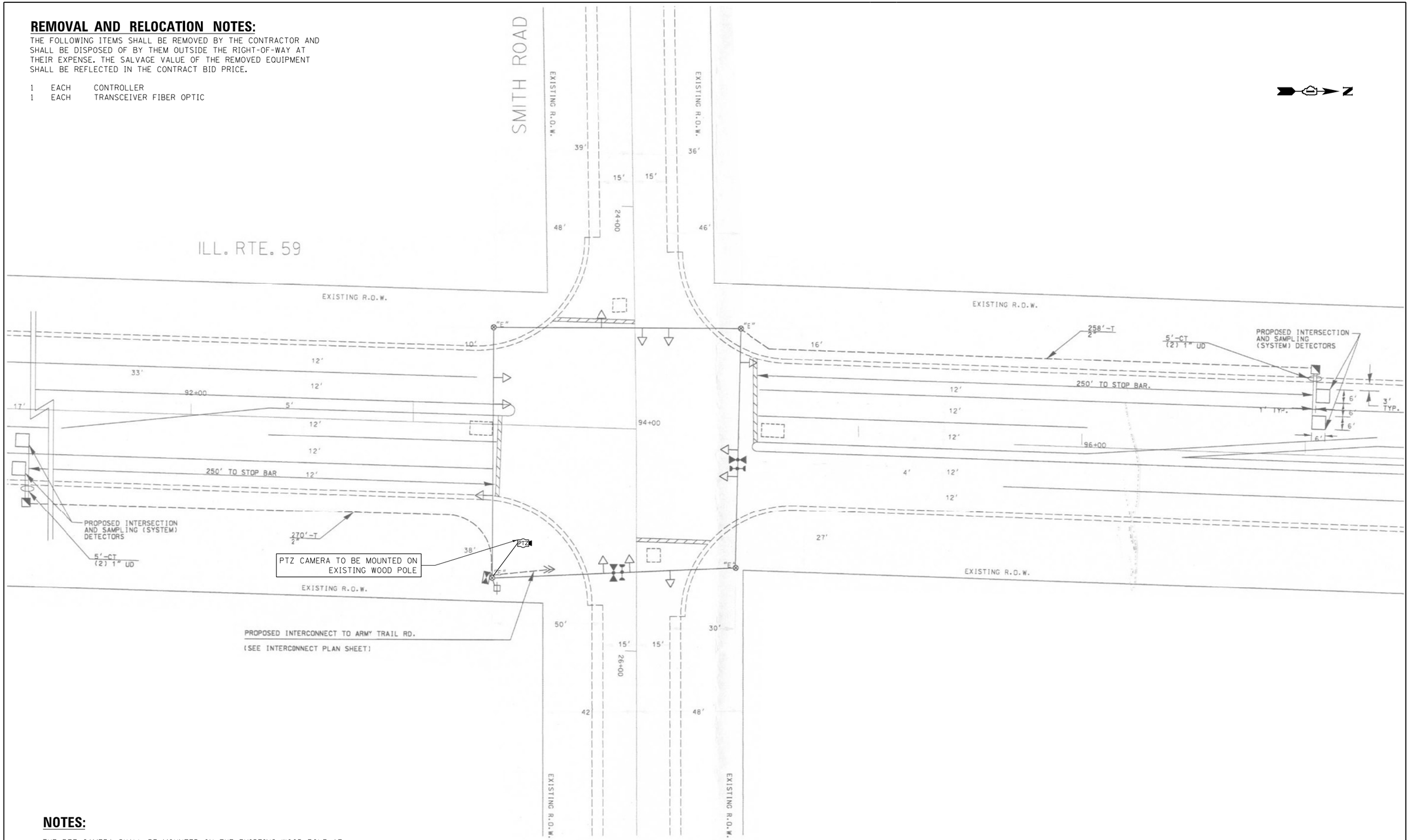
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	81
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXISTING WOOD POLE AT APPROXIMATE HEIGHT OF LUMINAIRE ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6366
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #29
IL RTE 59 AT SMITH RD INTERSECTION PLAN

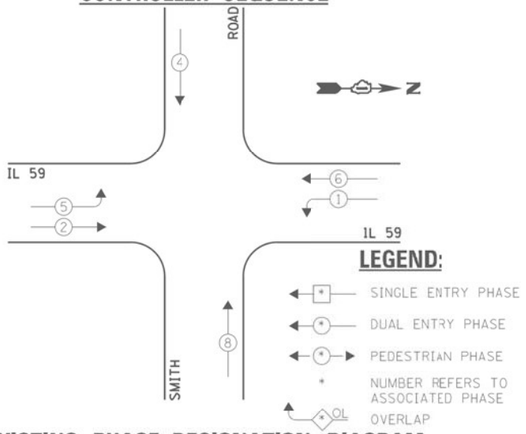
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	82
		CONTRACT NO. 62T53		

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

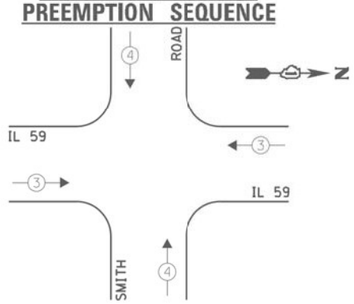
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\082_IL Rte 59 at SMITH RD_INT.dgn

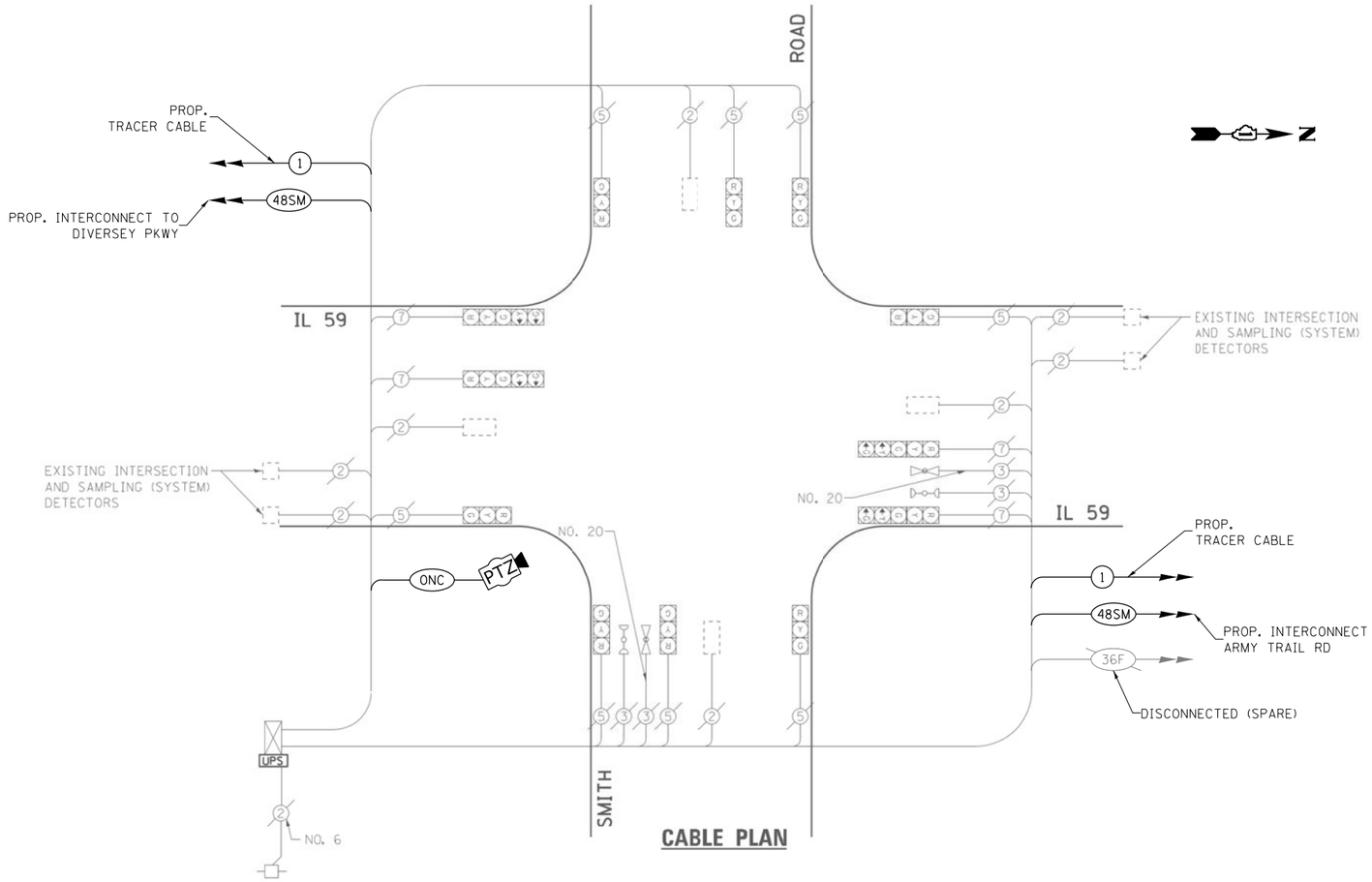
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
		WATTAGE			
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	12	135	15	0.25	45.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	356.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	60
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6366
IDOT CENTRACS
FORMER ECON 116

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #29
IL RTE 59 AT SMITH RD CABLE PLAN

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

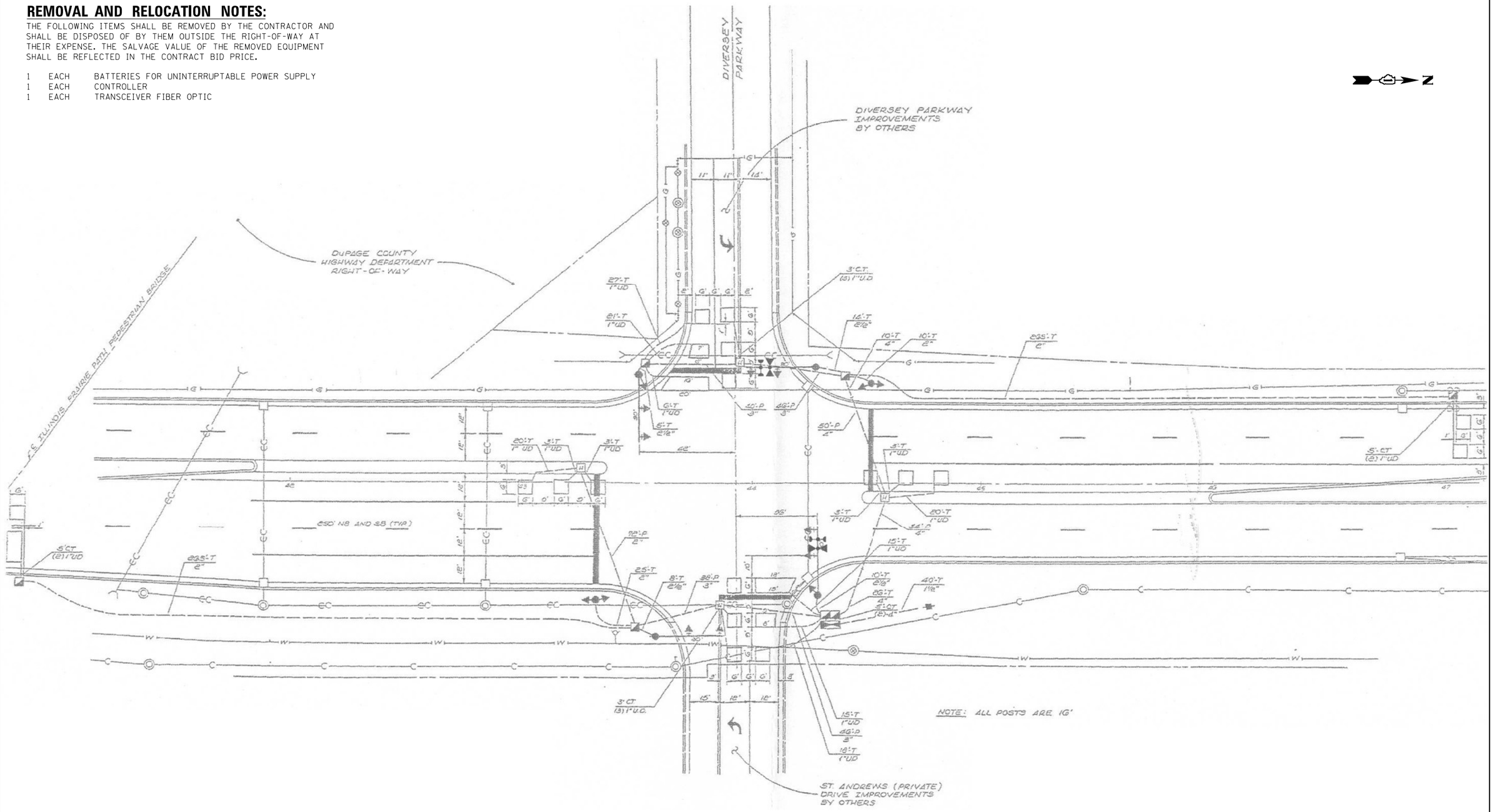
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	83
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\083.IL Rte 59 at SMITH RD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 22115
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

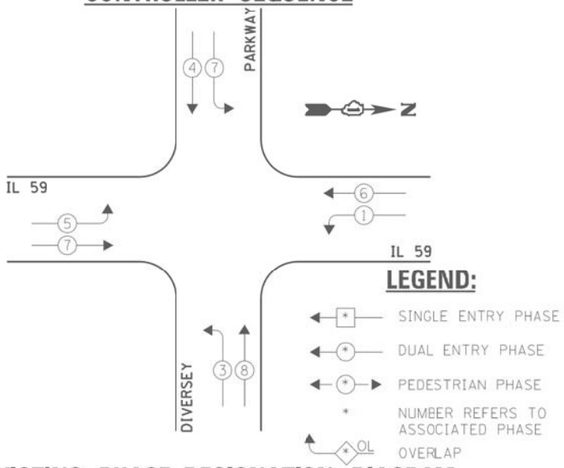
LOCATION #30
IL RTE 59 AT DIVERSEY PKWY INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	84
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

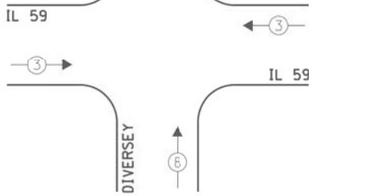
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\1084_IL Rte 59 at DIVERSEY PKWY_INT.dgn

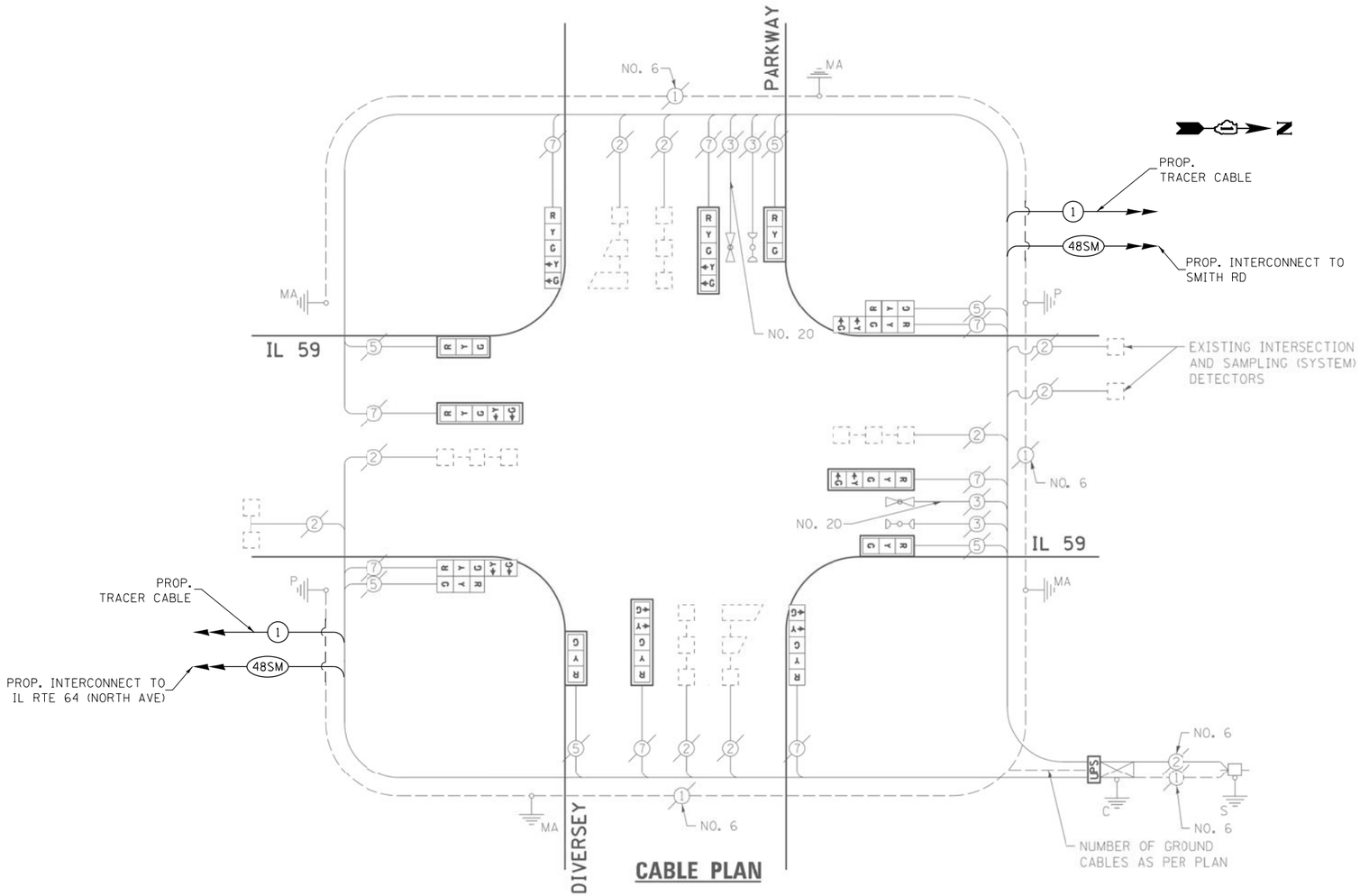
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	403.2

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 22115
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #30
IL RTE 59 AT DIVERSEY PKWY CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	85
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD\Sheets\085_IL Rte 59 at DIVERSEY PKWY.CD.dgn

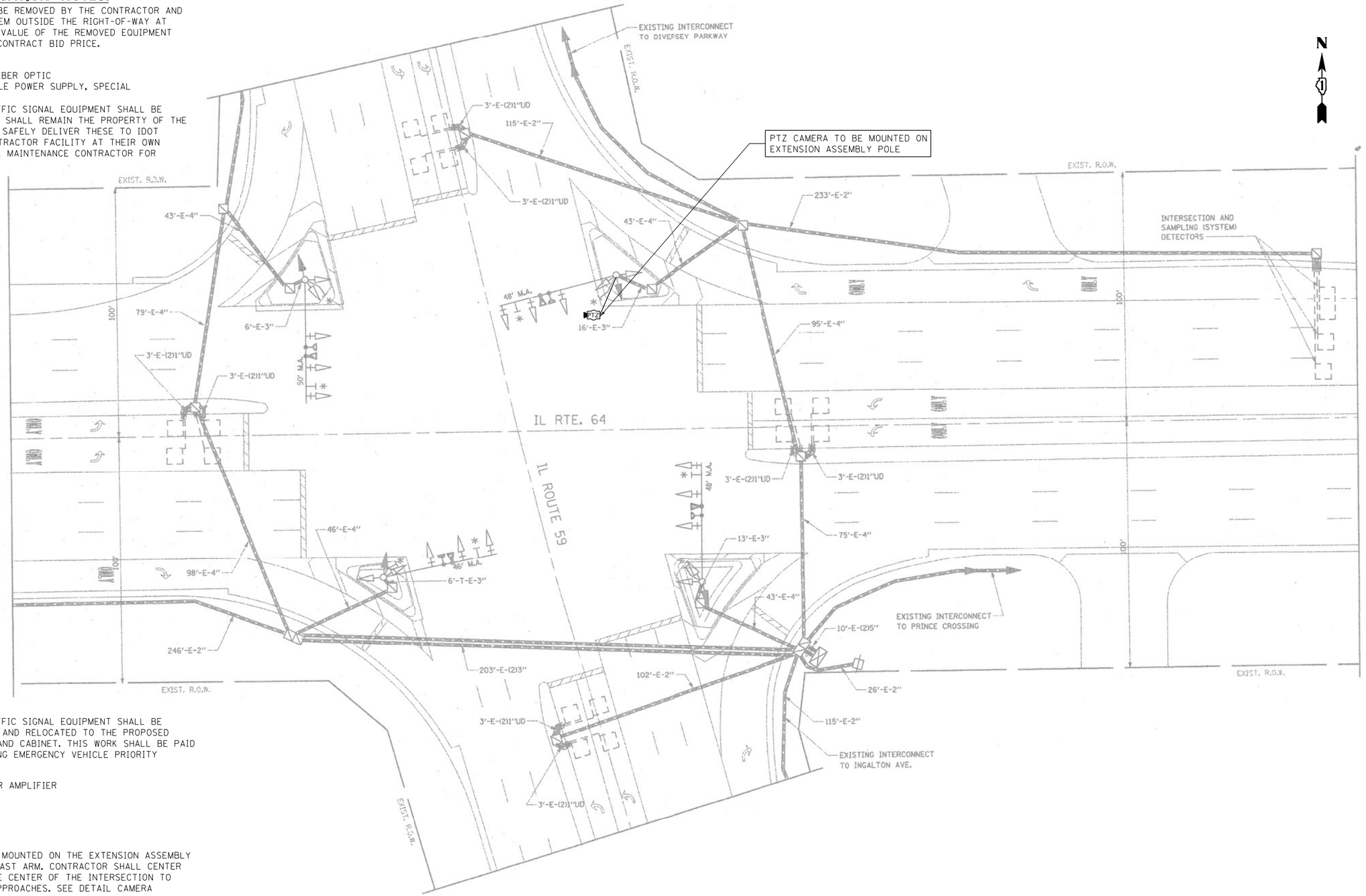
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CABINET



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER

NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. CONTRACTOR MIGHT NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62N33. CONTRACT 62N33 WILL OCCUR AT MUCH LATER TIME. CONTRACT 62T53 SHOULD BE COMPLETED FIRST AS SHOWN ON THE PLANS BEFORE 62N33 STARTS. CONTRACTOR TO PLAN WORK ACCORDINGLY.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6355
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\086_IL Rte 59 at IL RTE 64 (NORTH AVE)_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

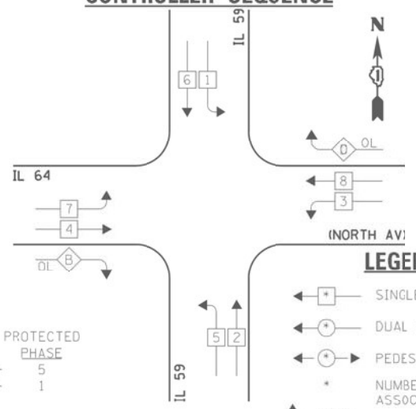
LOCATION #31
IL RTE 59 AT IL RTE 64 (NORTH AVE) INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	86
		CONTRACT NO. 62T53		

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

EXISTING CONTROLLER SEQUENCE



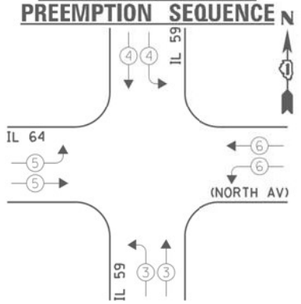
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
D	=	8	+	1

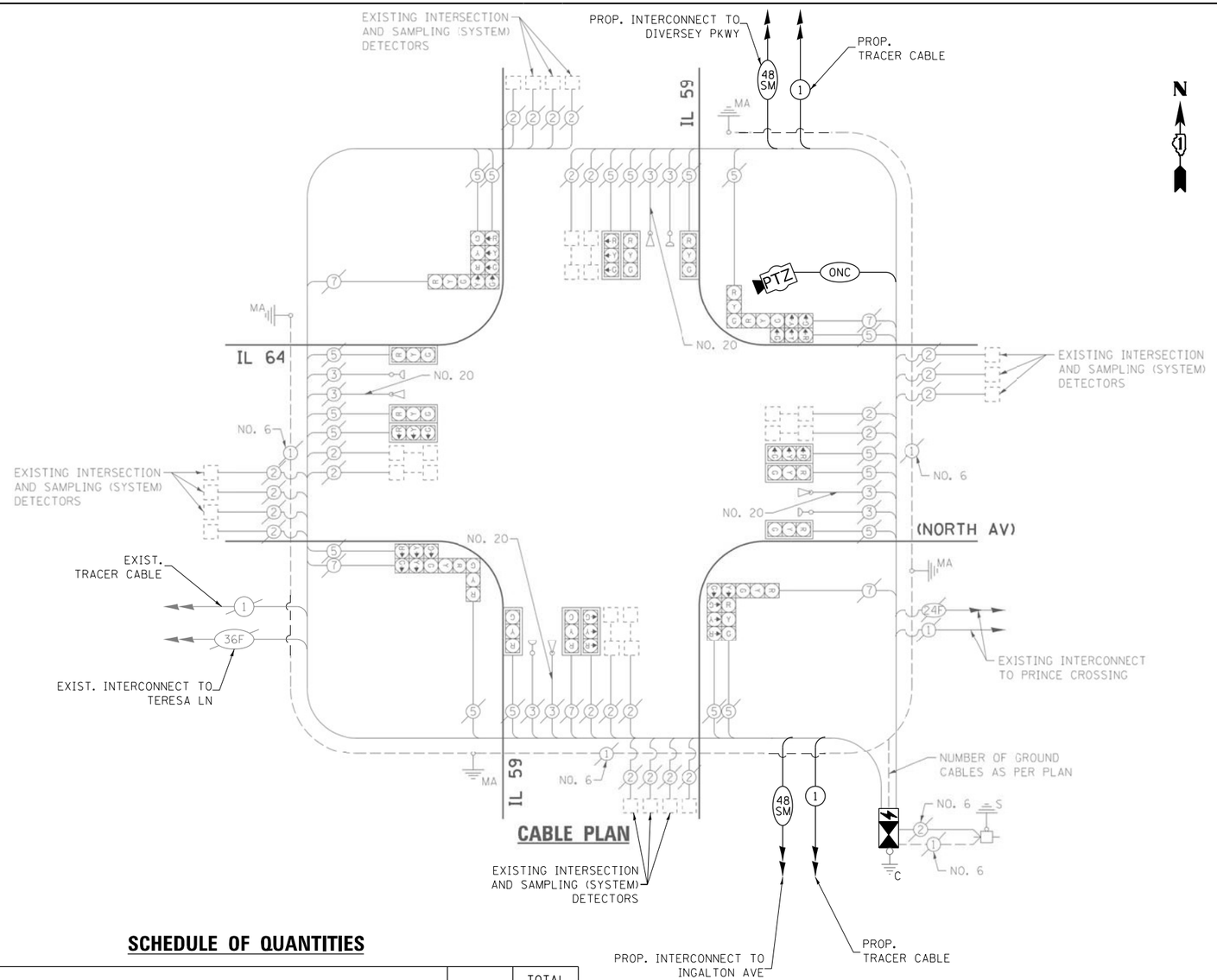
LEGEND:

- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	23
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	324
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
LAYER III (DATALINK) SWITCH	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
TERMINAL SERVER	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	TOTAL WATTAGE
SIGNAL (RED)	24	135	17	0.50	204.0
SIGNAL (YELLOW)	24	135	25	0.25	50.0
SIGNAL (GREEN)	24	135	15	0.25	90.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	578.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

TS 6355
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #31
IL RTE 59 AT IL RTE 64 (NORTH AVE) CABLE PLAN

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

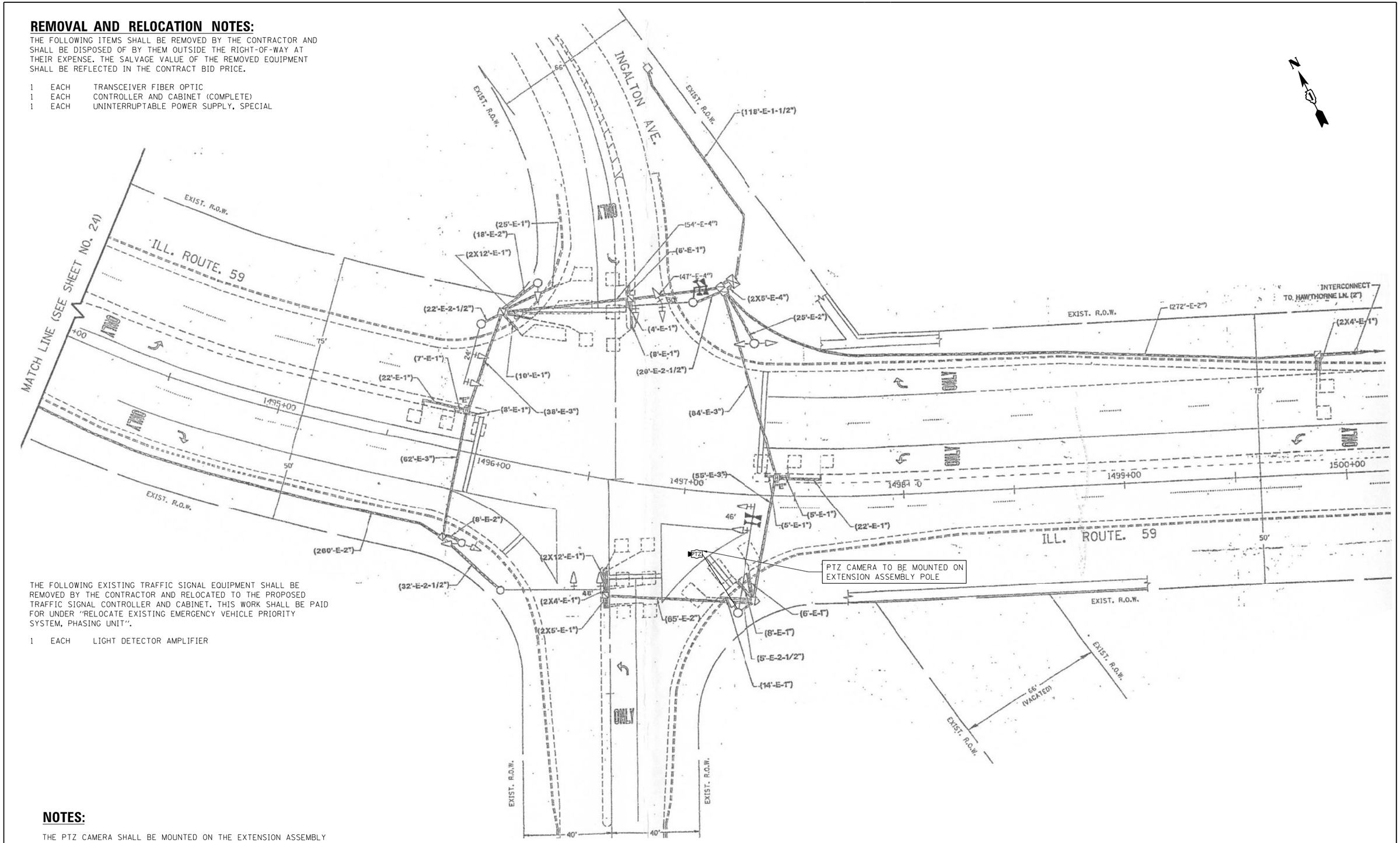
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	87
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\087_IL Rte 59 at IL RTE 64 (NORTH AVE)_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH CONTROLLER AND CABINET (COMPLETE)
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER

NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 22110
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

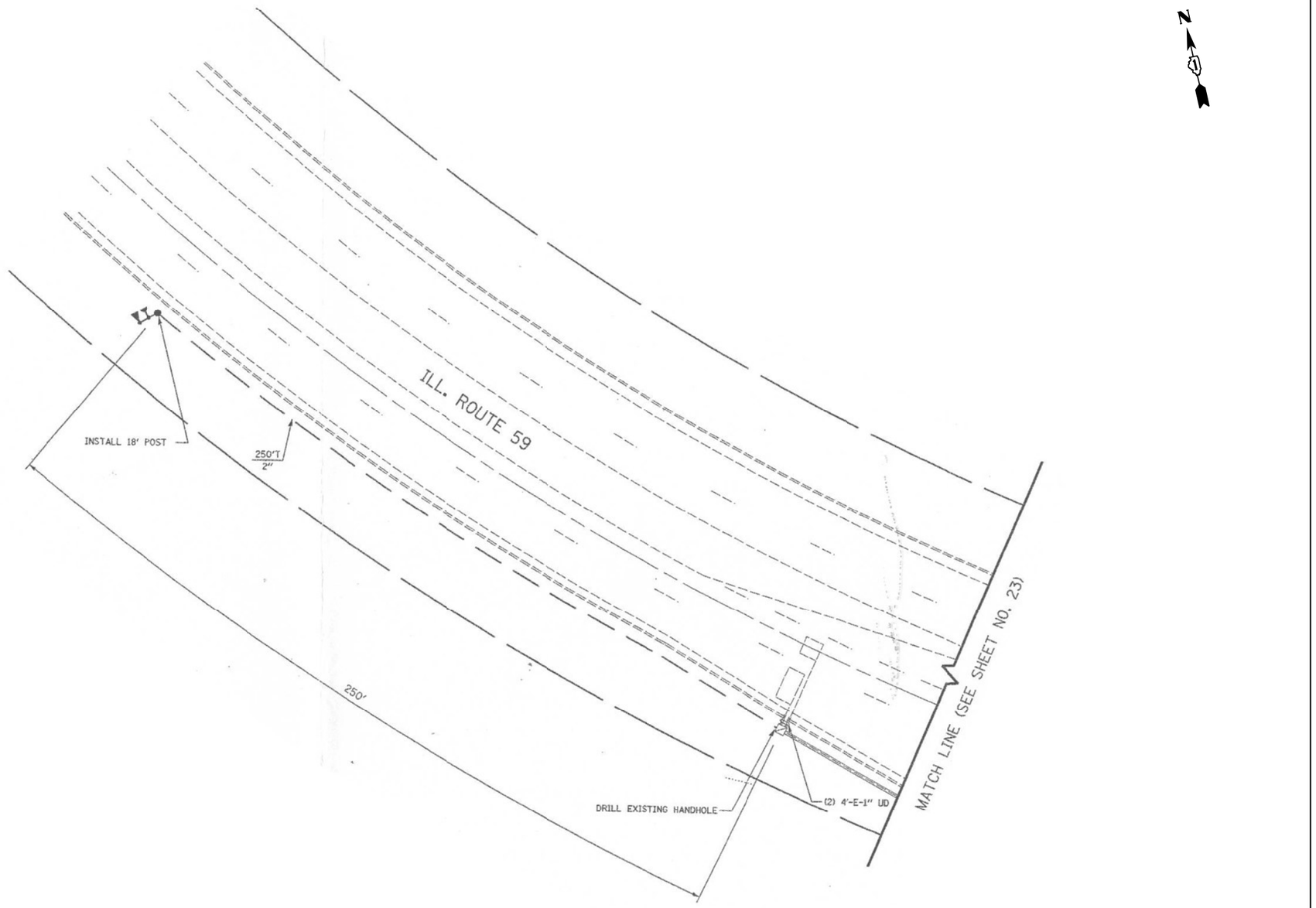
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #32
IL RTE 59 AT INGALTON AVE INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	88
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\088_IL Rte 59 at INGALTON AVE.INT.dgn



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 22110
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

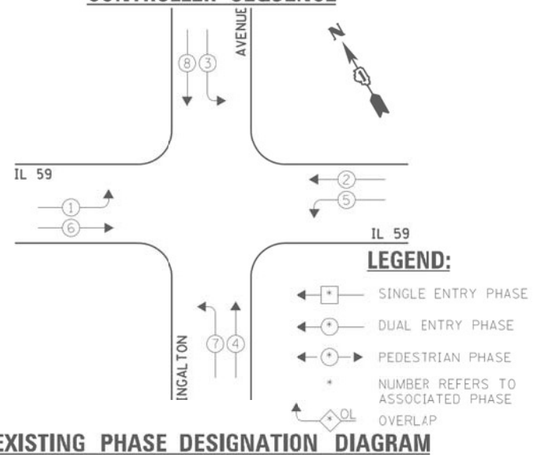
LOCATION #32
IL RTE 59 AT INGALTON AVE INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	89
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

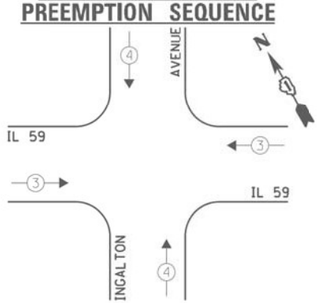
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD_Sheets\089_IL Rte 59 at INGALTON AVE_INT_2.dgn

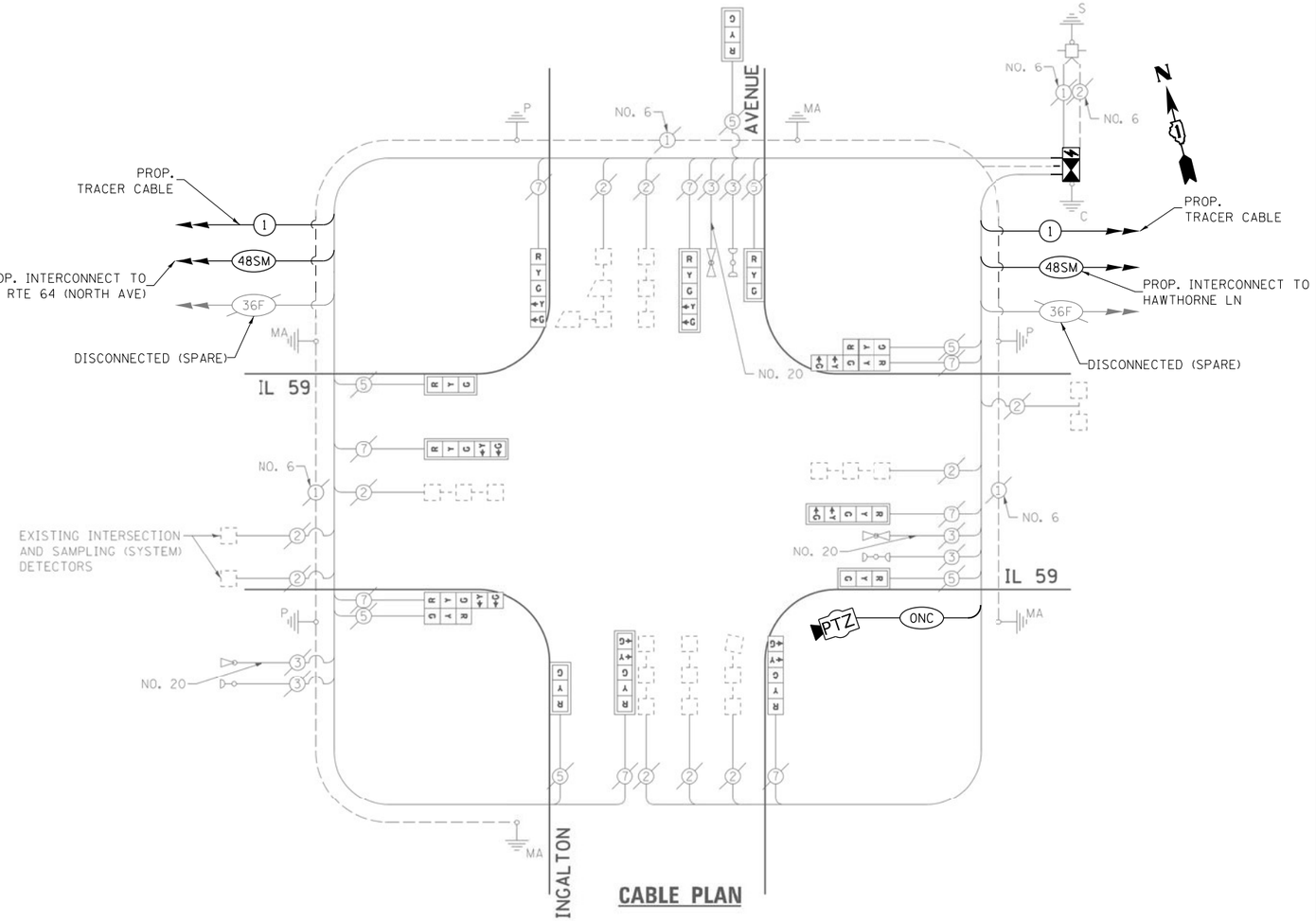
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	15	135	17	0.50	127.5
SIGNAL (YELLOW)	15	135	25	0.25	93.75
SIGNAL (GREEN)	15	135	15	0.25	56.25
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	421.7

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	10
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	227
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 22110
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #32
IL RTE 59 AT INGALTON AVE CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	90
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\090_IL Rte 59 at INGALTON AVE_CD.dgn

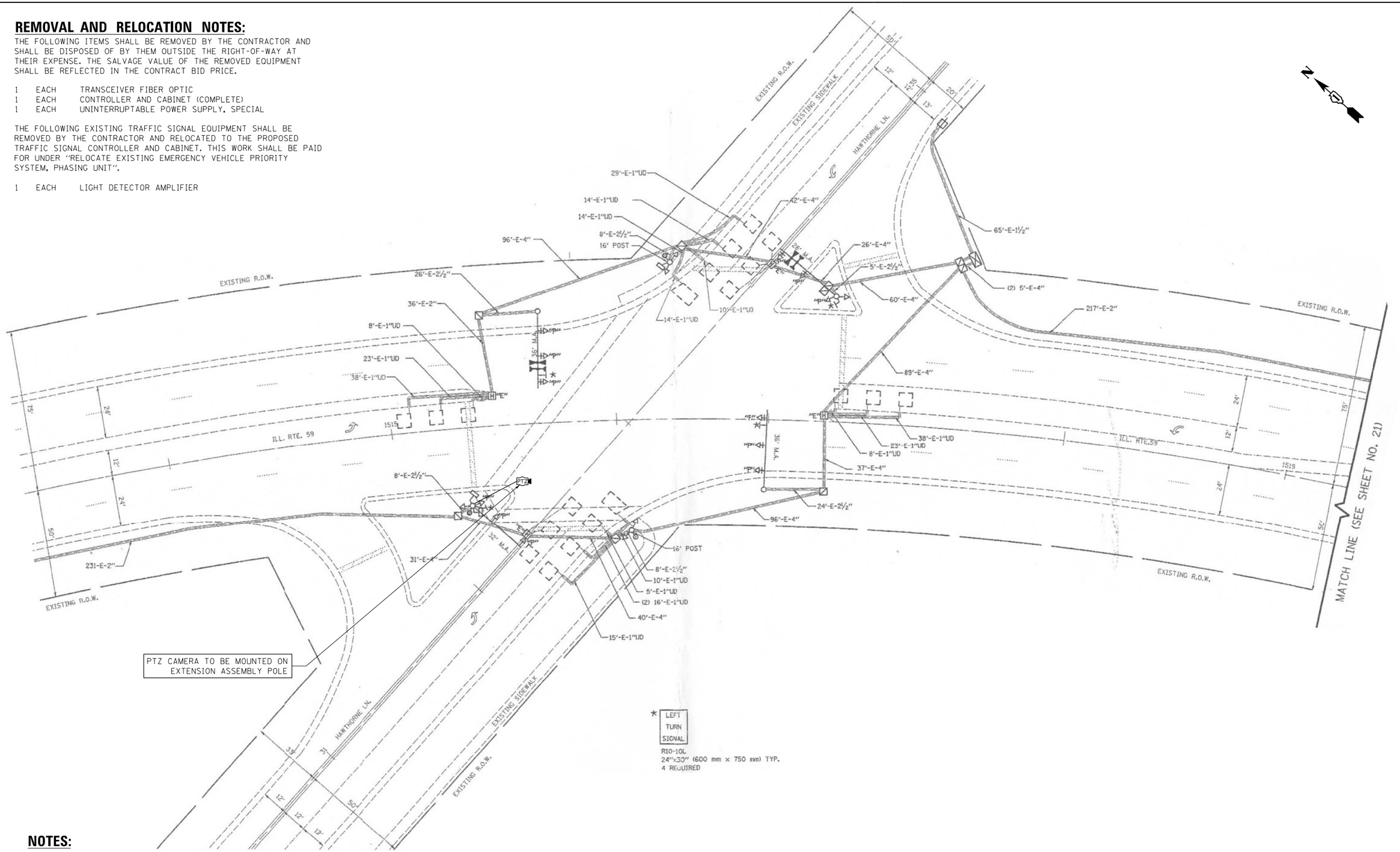
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH CONTROLLER AND CABINET (COMPLETE)
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 8853
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #33
IL RTE 59 AT HAWTHORNE LN INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	91
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

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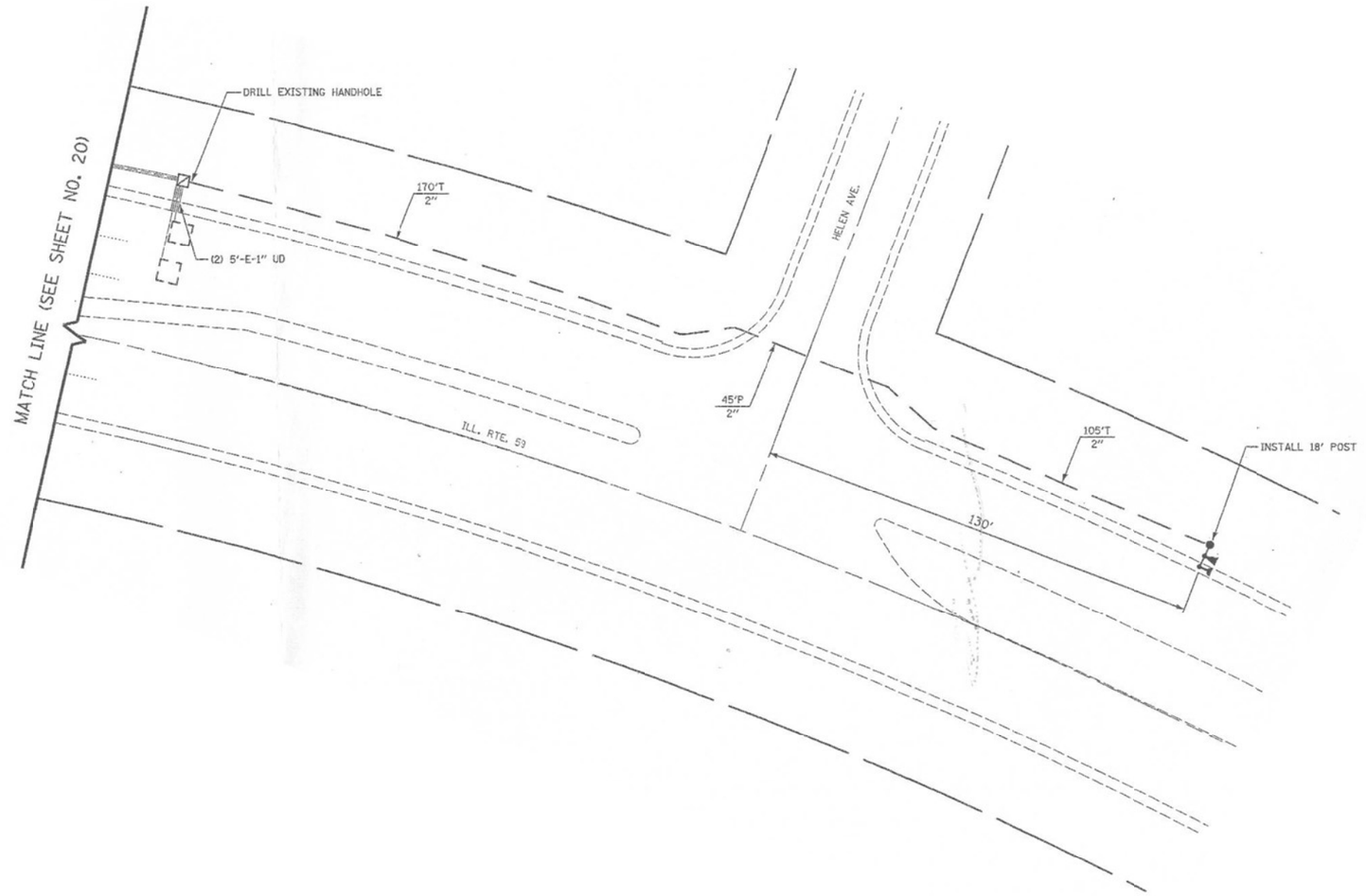


"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 8853
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

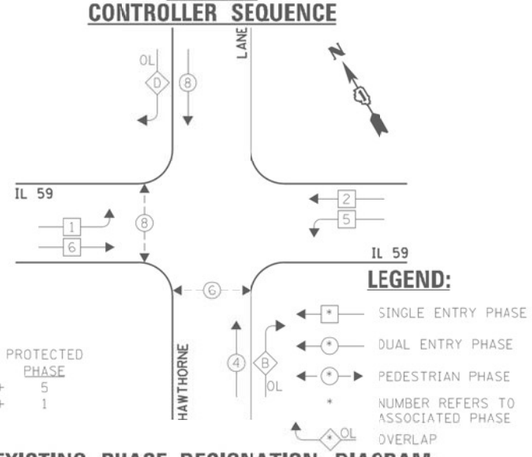
LOCATION #33
IL RTE 59 AT HAWTHORNE LN INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	92
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\092_IL Rte 59 at HAWTHORNE LN_INT_2.dgn

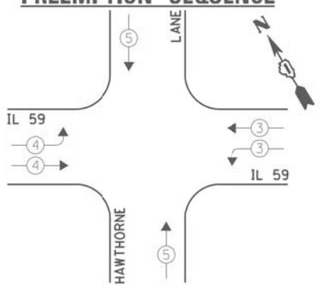
EXISTING CONTROLLER SEQUENCE

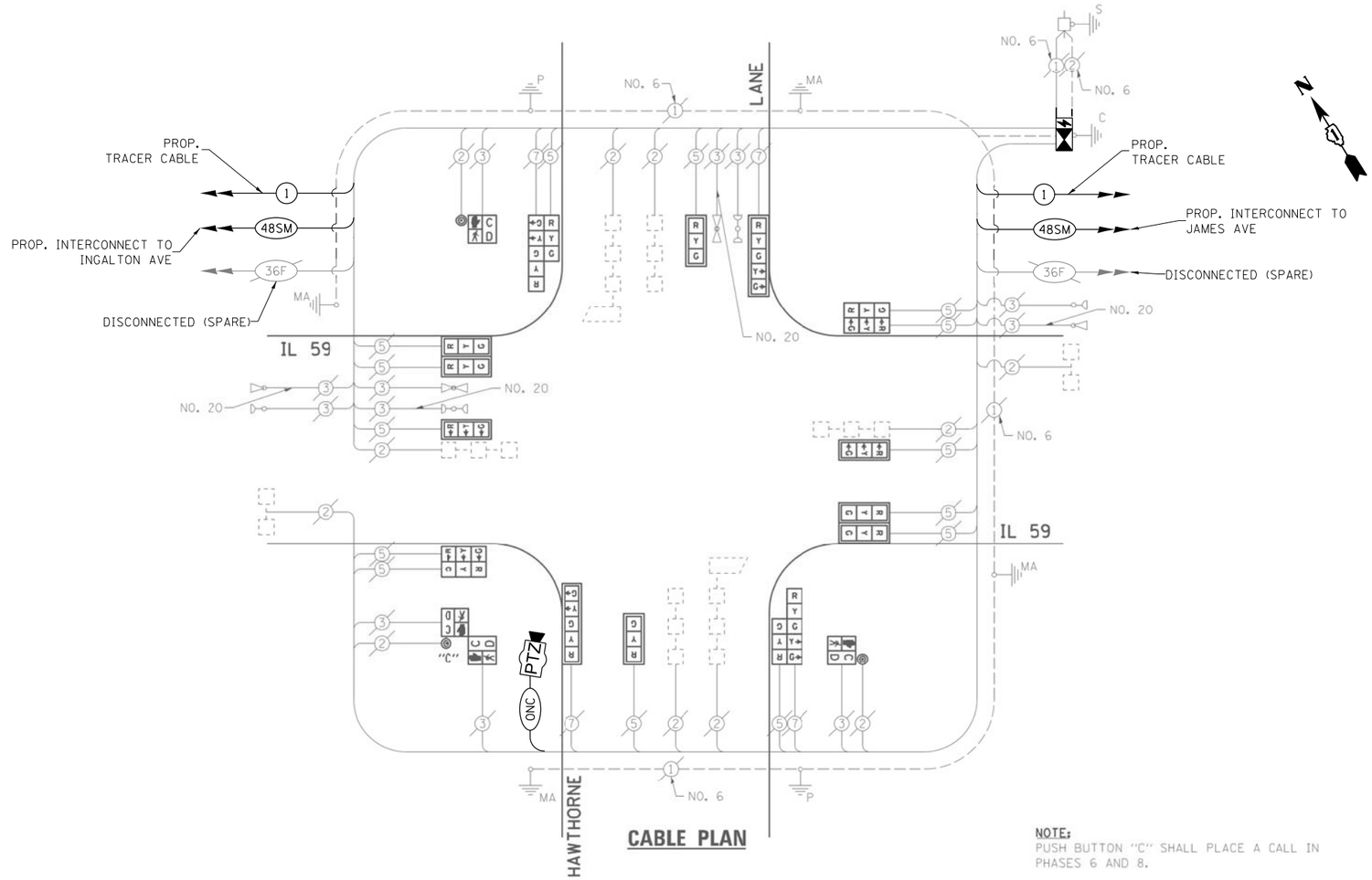


OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
D	=	8	+	1

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

NOTE:
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	8
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	417
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	18	135	17	0.50	153.0
SIGNAL (YELLOW)	18	135	25	0.25	112.5
SIGNAL (GREEN)	18	135	15	0.25	67.5
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	4	90	25	1.00	100.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	567.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

TS 8853
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #33
IL RTE 59 AT HAWTHORNE LN CABLE PLAN

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

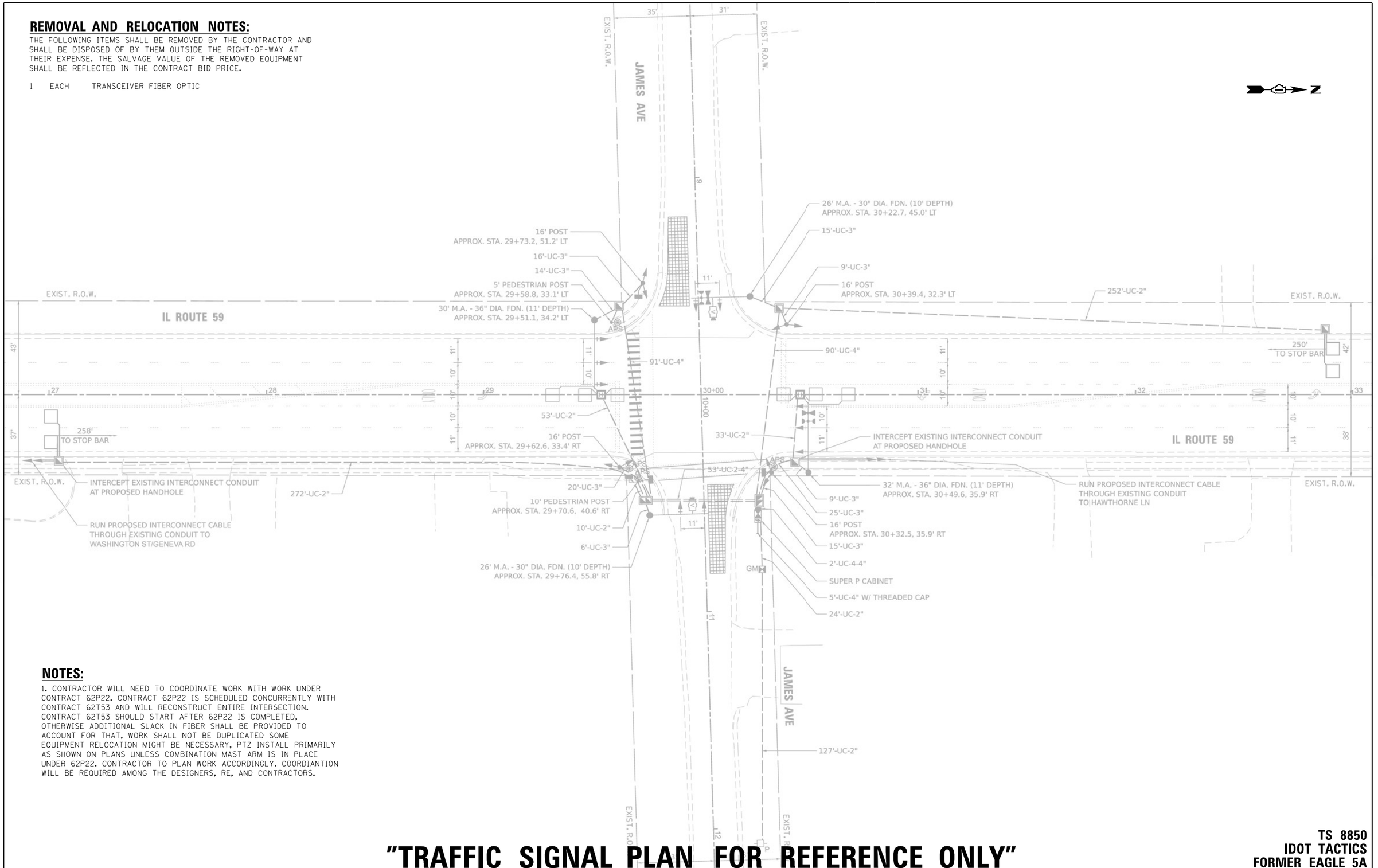
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	93
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\093_IL Rte 59 at HAWTHORNE LN_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P22. CONTRACT 62P22 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P22 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT. WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS UNLESS COMBINATION MAST ARM IS IN PLACE UNDER 62P22. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 8850
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\094_IL Rte 59 at JAMES AVE_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

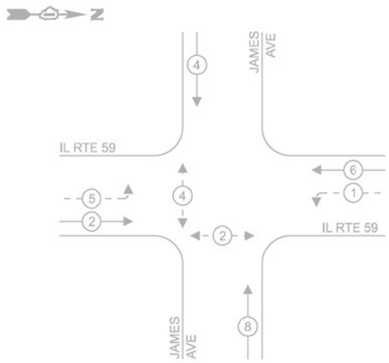
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #34
IL RTE 59 AT JAMES AVE INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	94
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

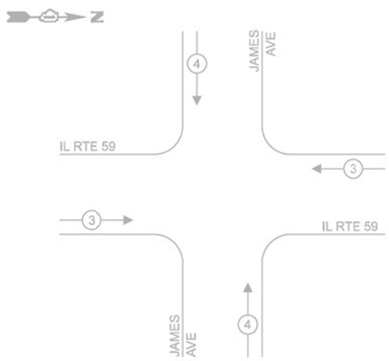
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



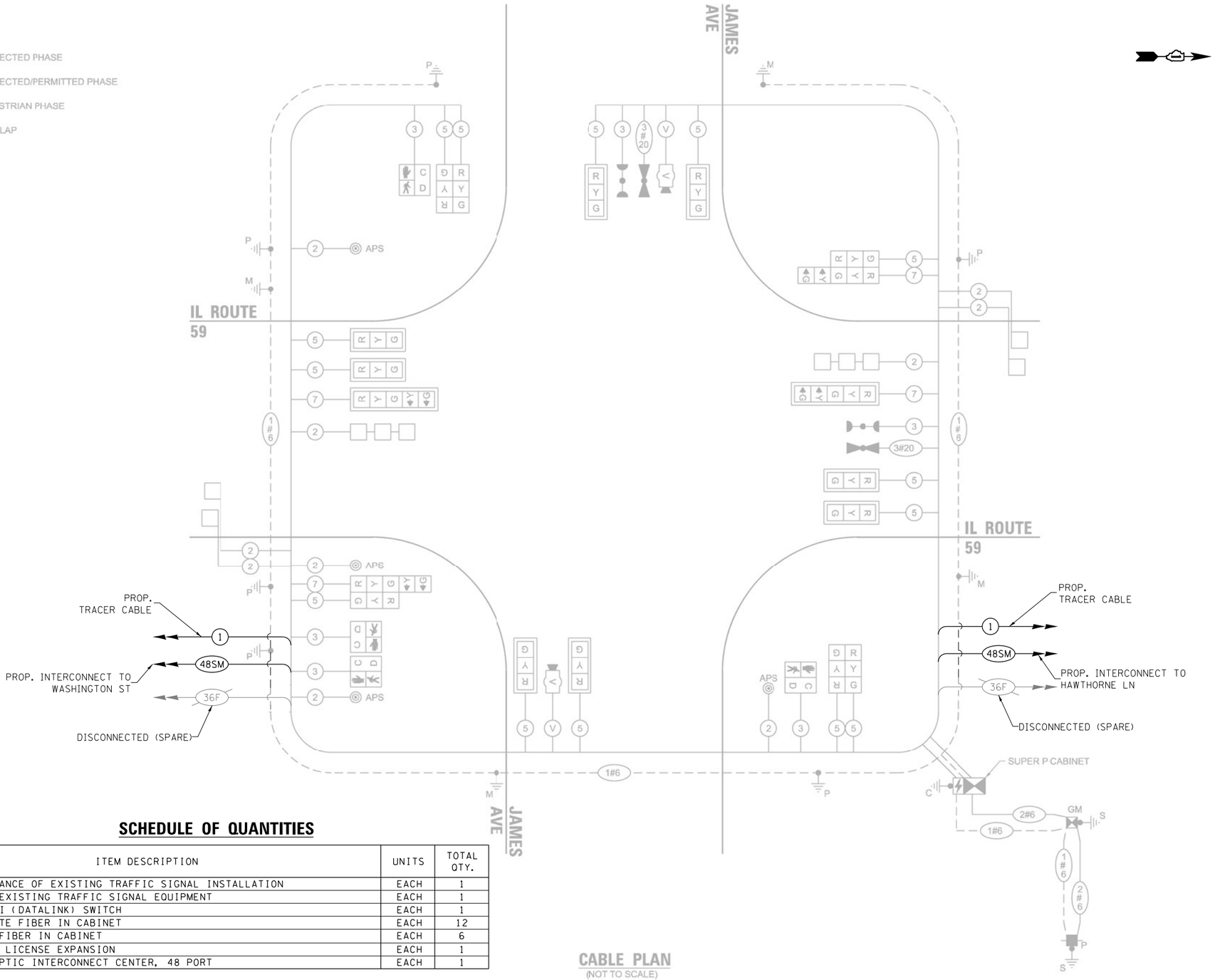
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	577.2

ENERGY COSTS TO:

WINFIELD TOWNSHIP HIGHWAY DEPARTMENT
30W575 W ROOSEVELT ROAD
WEST CHICAGO, IL 60185

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 44230-76148



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 8850
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510\Contracts Phase 3\CADD\Sheets\8995_IL Rte 59 at JAMES AVE_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #34
IL RTE 59 AT JAMES AVE CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	95
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

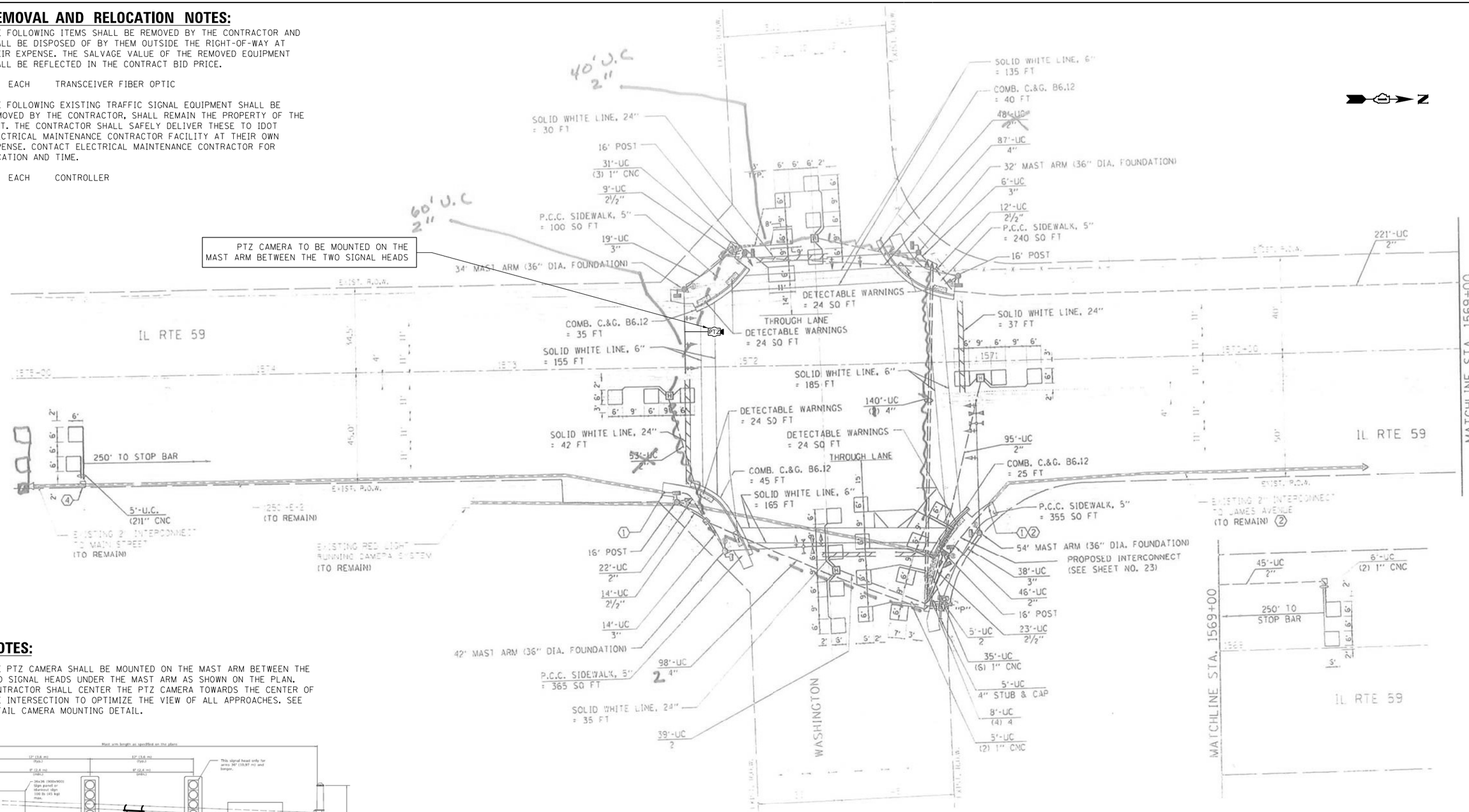
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC

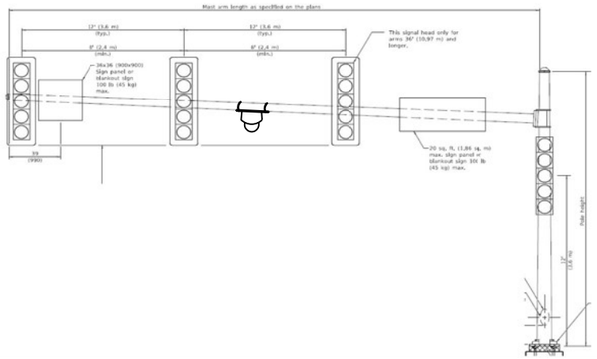
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE MAST ARM BETWEEN THE TWO SIGNAL HEADS UNDER THE MAST ARM AS SHOWN ON THE PLAN. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 8855
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

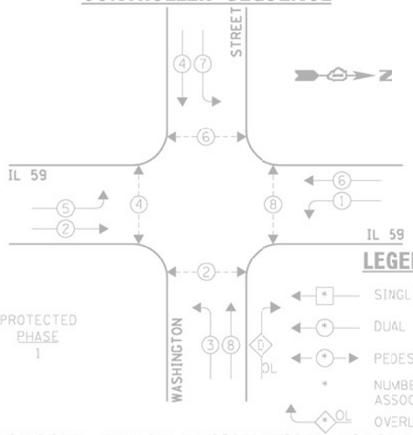
LOCATION #35
IL RTE 59 AT WASHINGTON ST INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	96
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\096_IL Rte 59 at WASHINGTON ST_INT.dgn

PROPOSED CONTROLLER SEQUENCE



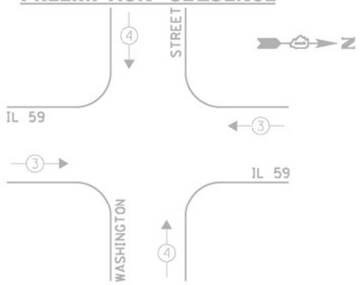
LEGEND:

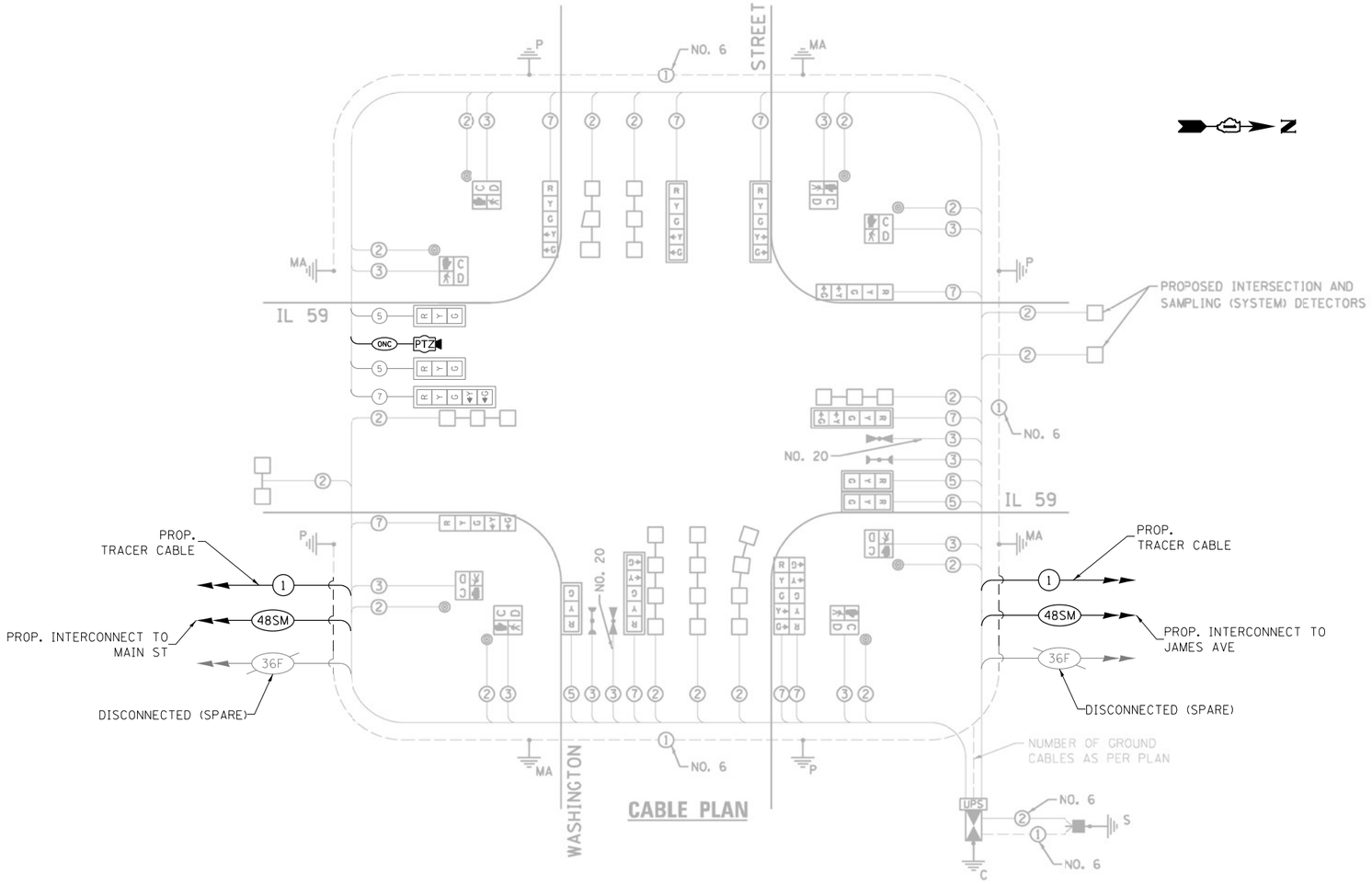
- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- OVERLAP

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

PROPOSED PHASE DESIGNATION DIAGRAM

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	350
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE MAST ARM BETWEEN THE TWO SIGNAL HEADS UNDER THE MAST ARM AS SHOWN ON THE PLAN. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	135	17	0.50	127.5
SIGNAL (YELLOW)	15	135	25	0.25	93.75
SIGNAL (GREEN)	15	135	15	0.25	56.25
ARROW	20	135	12	0.10	24.0
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	626.5

ENERGY COSTS - BILLED TO: CITY OF WEST CHICAGO
(ADDRESS) 475 MAIN STREET
(ADDRESS) WEST CHICAGO, IL 60186
ENERGY SUPPLY - CONTACT: NEW BUSINESS
PHONE: (866) 639-3552
COMPANY: COM-ED LIBERTYVILE

TS 8855
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD\Sheets\097_IL Rte 59 at WASHINGTON ST_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #35
IL RTE 59 AT WASHINGTON ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	97
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

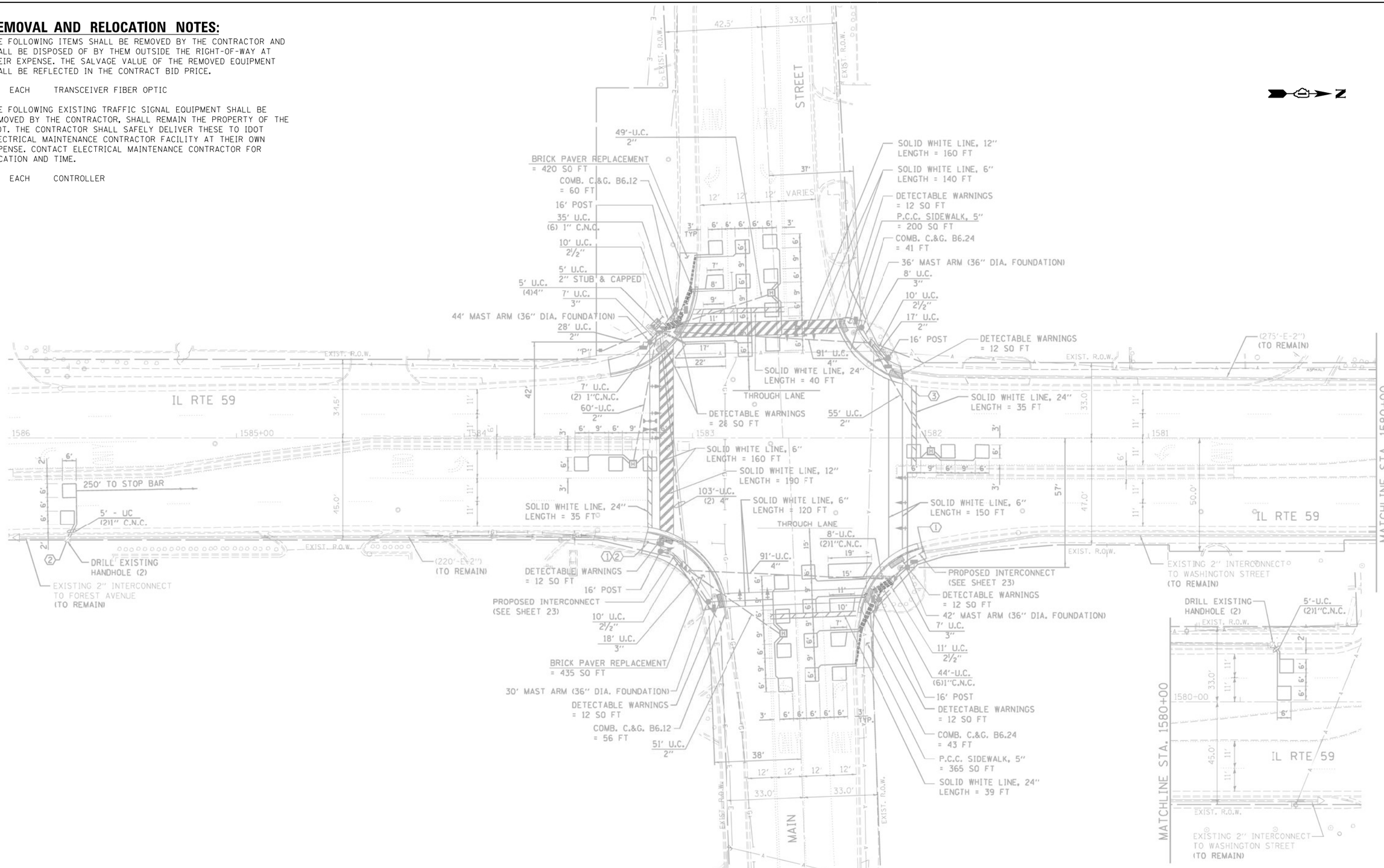
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 8860
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\098_IL Rte 59 at MAIN ST_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

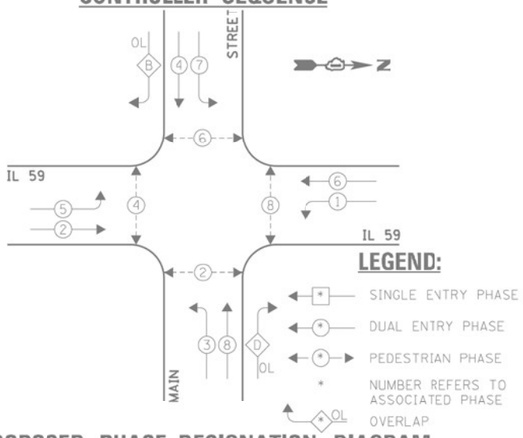
LOCATION #36
IL RTE 59 AT MAIN ST INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	98
		CONTRACT NO. 62T53		

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

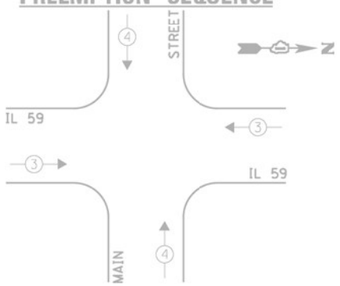
PROPOSED CONTROLLER SEQUENCE



PROPOSED PHASE DESIGNATION DIAGRAM

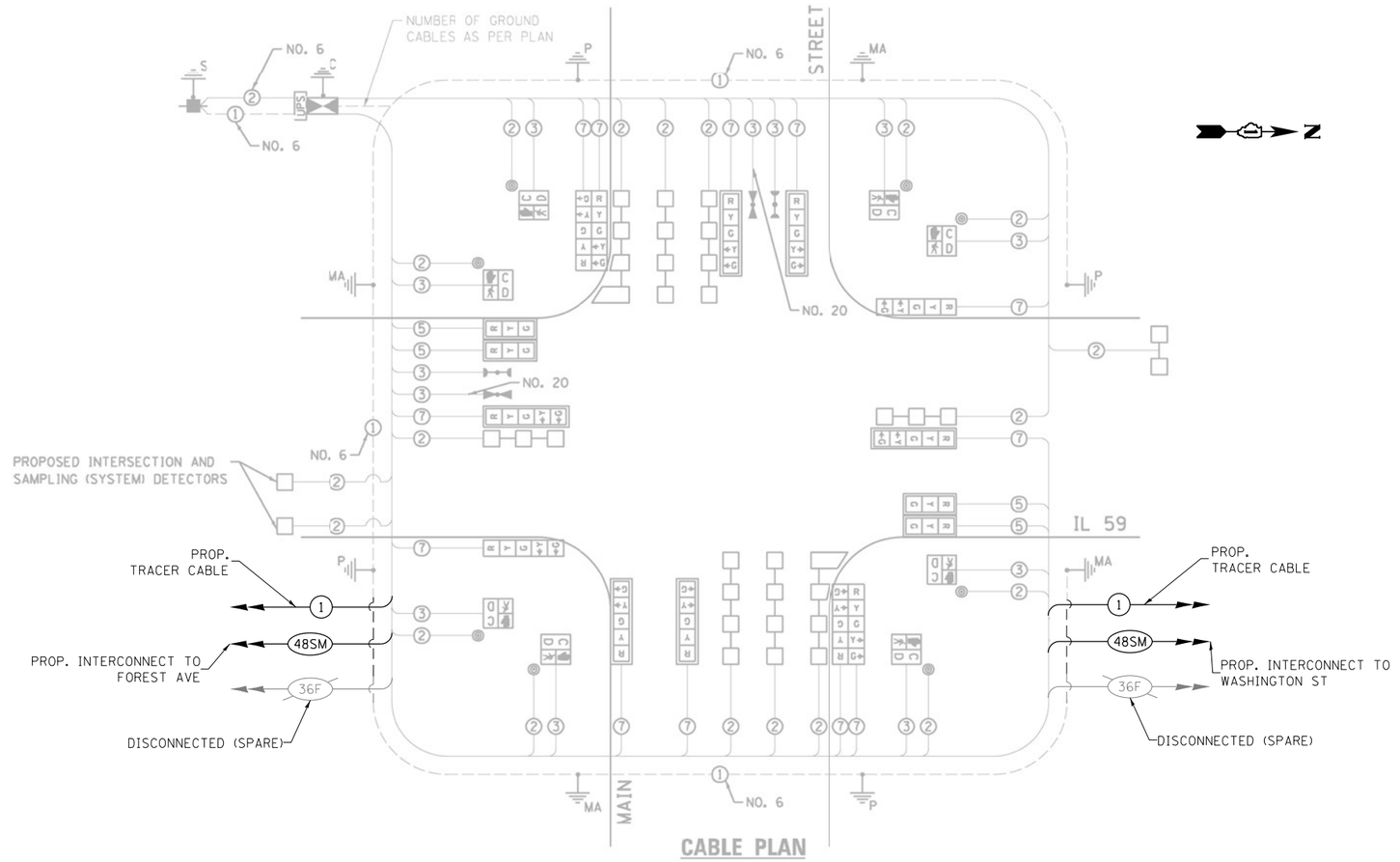
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
		WATTAGE			
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.0
SIGNAL (YELLOW)	16	135	25	0.25	100.0
SIGNAL (GREEN)	16	135	15	0.25	60.0
ARROW	24	135	12	0.10	28.8
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	649.8

ENERGY COSTS - BILLED TO: CITY OF WEST CHICAGO
(ADDRESS) 475 MAIN STREET
(ADDRESS) WEST CHICAGO, IL. 60186
ENERGY SUPPLY - CONTACT: NEW BUSINESS
PHONE: (866) 639-3552
COMPANY: COM-ED LIBERTYVILE



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 8860
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #36
IL RTE 59 AT MAIN ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	99
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\099_IL Rte 59 at MAIN ST_CD.dgn

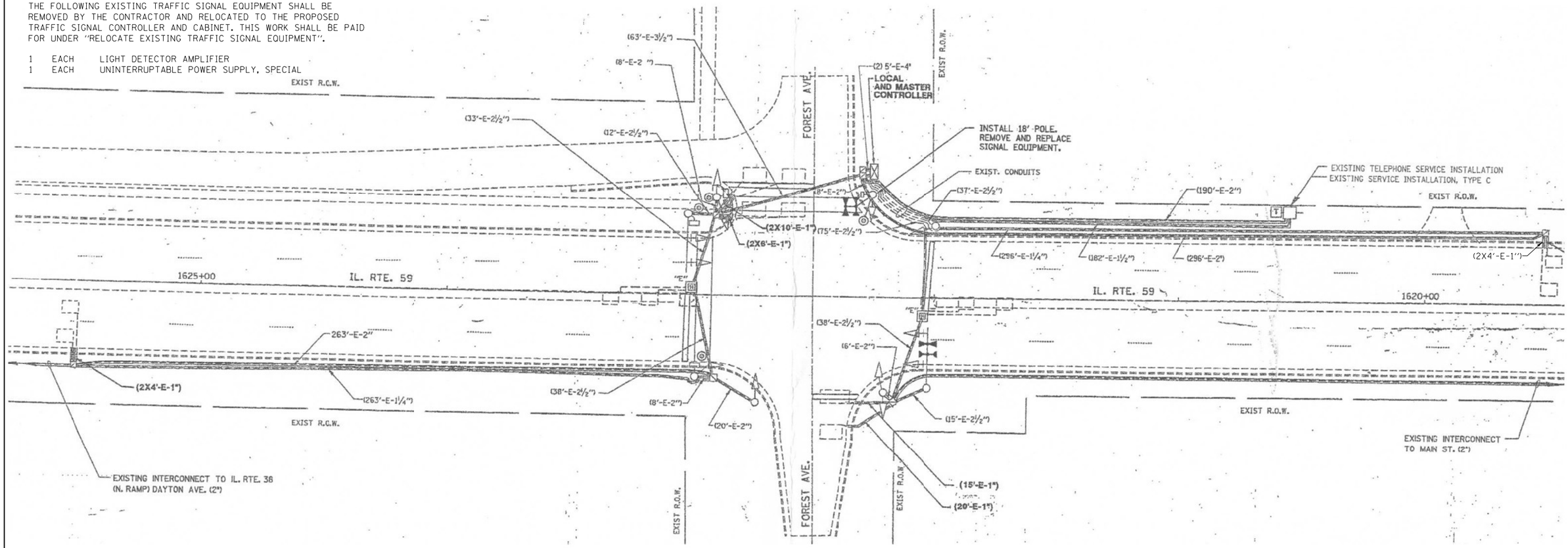
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)
1 EACH TRANSCEIVER FIBER OPTIC
1 EACH TELEPHONE LINE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH MASTER CONTROLLER

NOTES:

1. THE TELEPHONE LINE AND SERVICE SHOULD BE REMOVE AND DISCONNECTED UPON PROJECT COMPLETION AND SIGNAL BEING ADDED TO TACTICS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6390
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

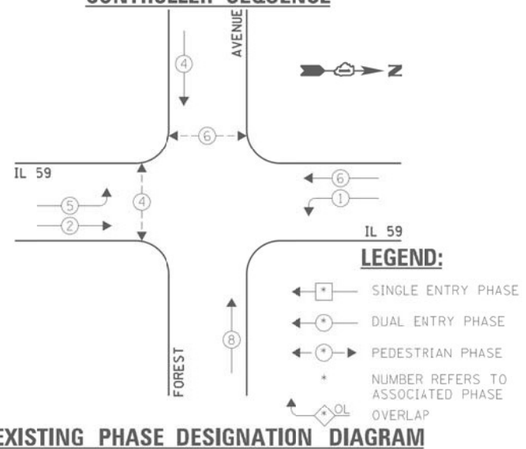
LOCATION #37
IL RTE 59 AT FOREST AVE INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	100
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

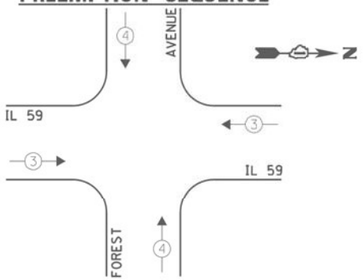
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\100.IL Rte 59 at FOREST AVE.INT.dgn

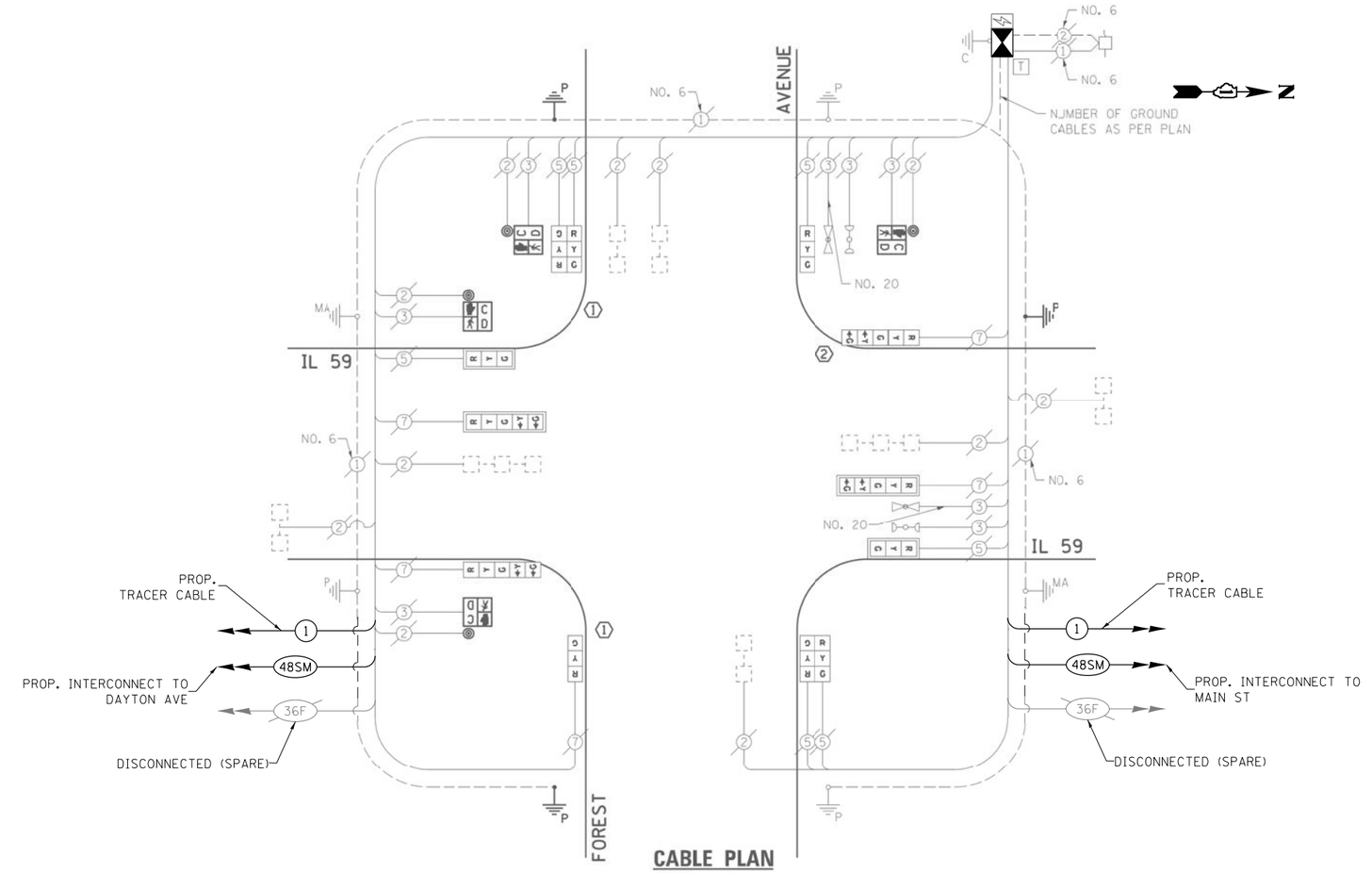
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	7
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
Ssplice FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	135	17	0.50	102.0
SIGNAL (YELLOW)	12	135	25	0.25	75.0
SIGNAL (GREEN)	12	135	15	0.25	45.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	4	90	25	1.00	100.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
				TOTAL =	456.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED

TS 6390
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #37
IL RTE 59 AT FOREST AVE CABLE PLAN

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

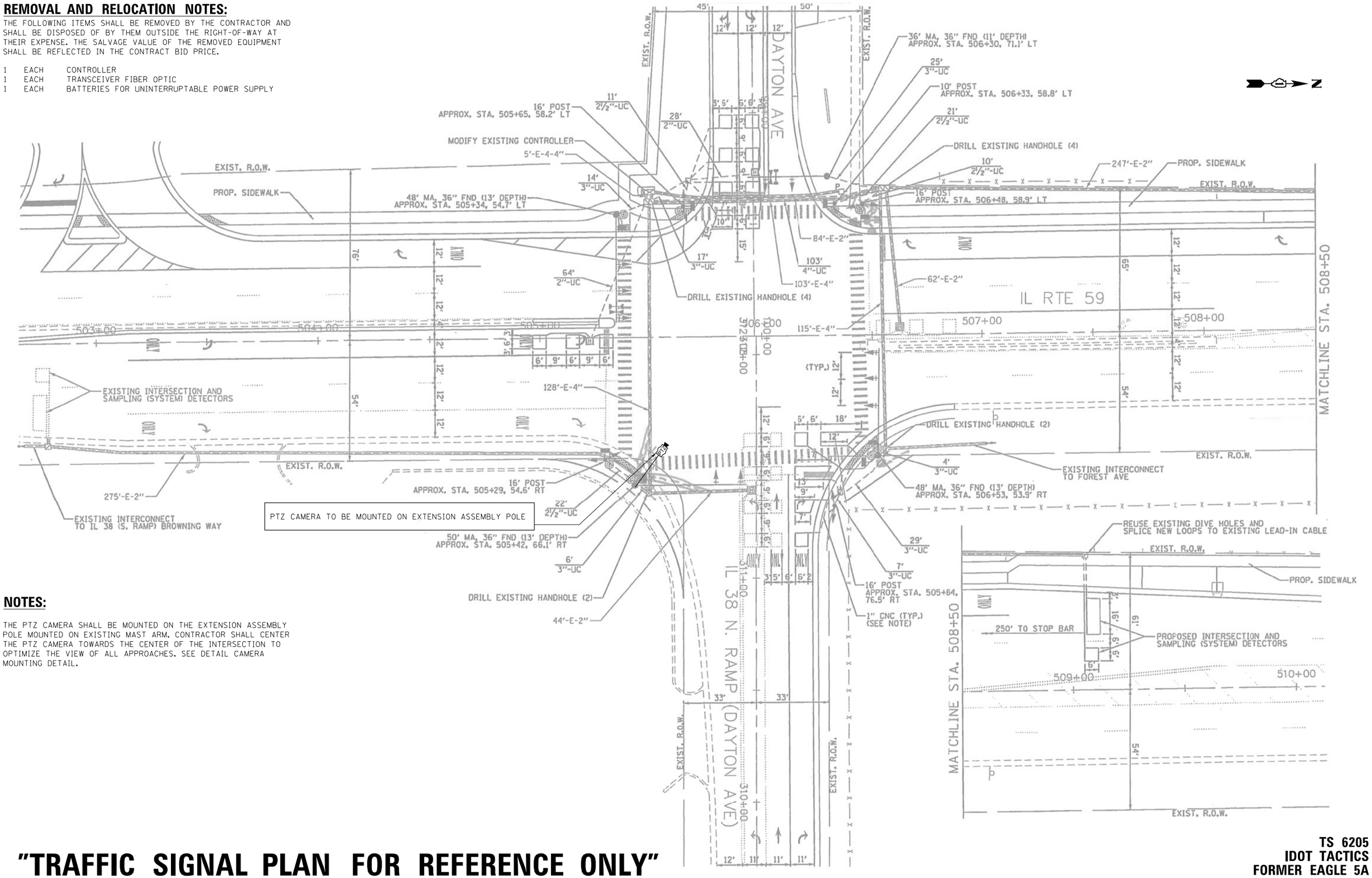
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	101
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centreos Phase 3\CADD_Sheets\101_IL Rte 59 at FOREST AVE_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6205
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\102_IL Rte 59 at DAYTON AVE_INT.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL.:773)774-5900

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

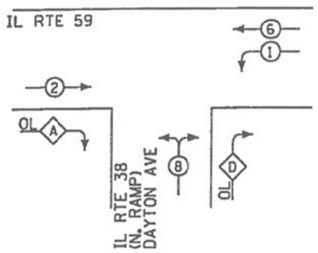
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #38
IL RTE 59 AT DAYTON AVE INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	102
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	8
D	=	8	+	1

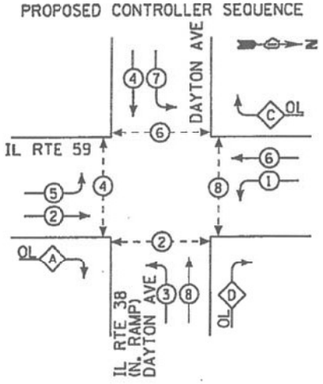
RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
C	=	6	+	7
D	=	8	+	1

LEGEND

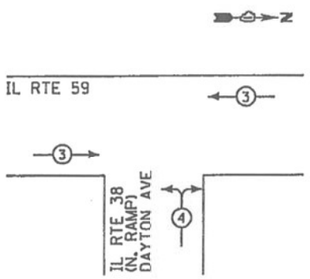
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED CONTROLLER SEQUENCE

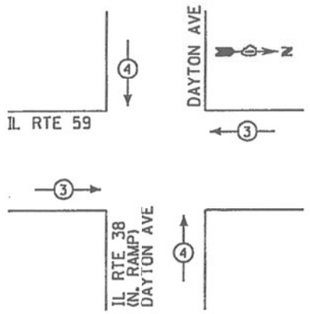


PROPOSED PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE SEQUENCE



PROPOSED EMERGENCY VEHICLE SEQUENCE



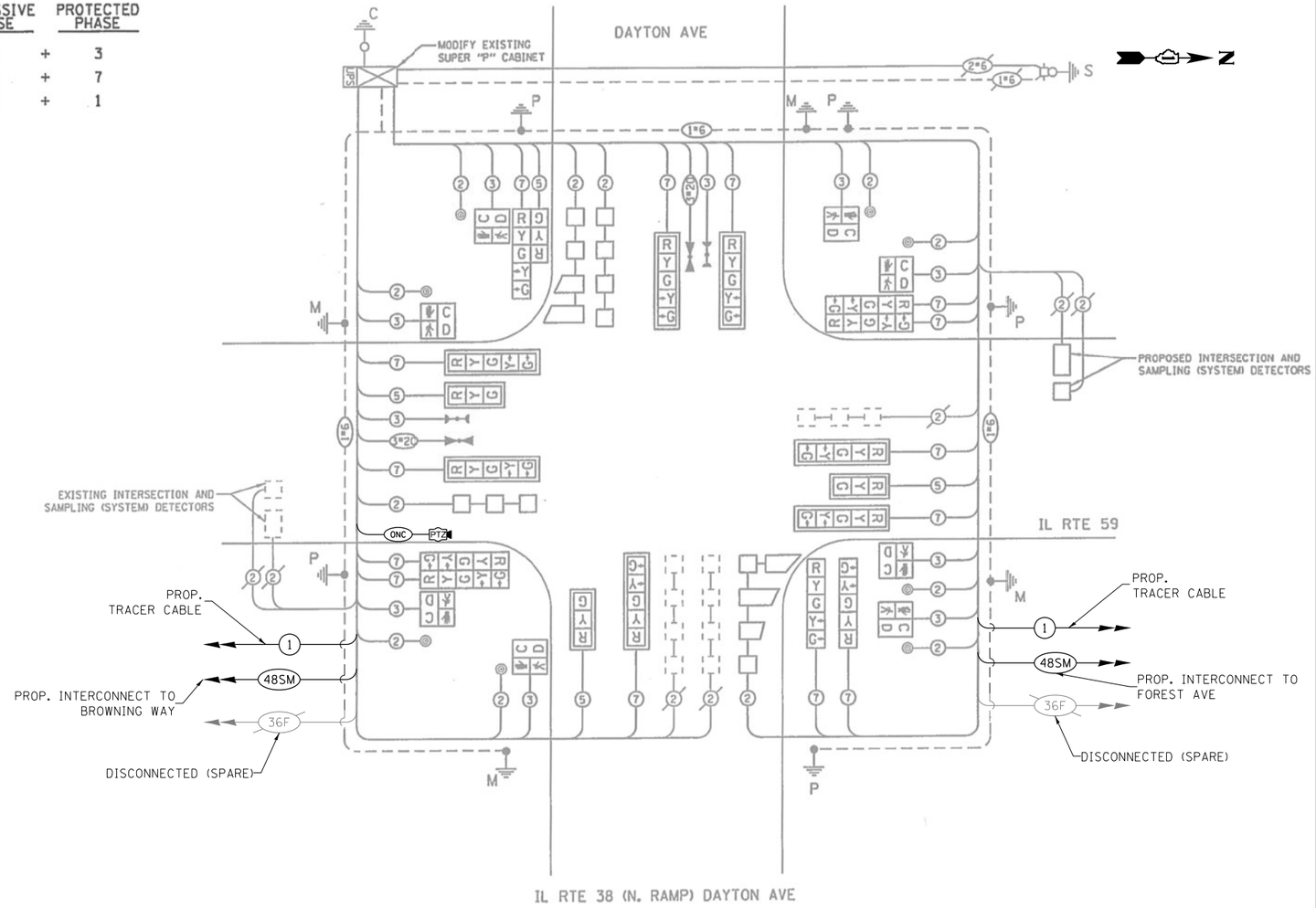
TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE LED	WATTAGE %OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	28	10	10	28.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM		150	100	
BLANK OUT SIGN		25	5	
FLASHER			50	
STREET NAME SIGN		120	50	
			TOTAL =	527.2

ENERGY COSTS TO:
CITY OF WEST CHICAGO
475 MAIN STREET
WEST CHICAGO, ILLINOIS 60185

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMED

PROPOSED CABLE PLAN



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	211
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6205
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #38
IL RTE 59 AT DAYTON AVE CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	103
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\103_IL Rte 59 at DAYTON AVE_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY

N

PROP. R.O.W.

73.9'

50'

495+00

MATCH LINE STA. 495+40

HANDHOLE TO INTERCEPT EXISTING HANDHOLE

EXISTING INTERCONNECT CONTINUOUS JOLIET RD/EDGEWOOD WAY

16' POST APPROX. STAT. 497+31, 82.4' LT

14'-UC 2½"

3"-VC

4"-VC

5'-UC 3"

30' MA, 30" FND APPROX. STA. 496+71, 47.6 LT

77'-UC 2"

2"-VC

4"-VC

6' 9' 6' 9' 6'

110'-UC 4"

245'-UC 2"

82'-UC 3"

16' POST APPROX. STAT. 496+88.8, 41.2' RT

11'-UC 2½"

5'-UC 2½"

18' POST APPROX. STAT. 497+8.3, 41.6' RT

2"-VC

34' MA, 36" FND APPROX. STAT. 497+86.2, 39.9' RT

Conduit Splice

11' 10' 22'

BROWNING WAY (SOUTH RAMP)

CURB

97'-UC 2"

103'-UC 4"

9'-UC 2½"

16' POST APPROX. STAT. 498+36.1, 54.2' LT

147'-UC 2"

PROP. R.O.W.

DRILL EXISTING HANDHOLE (2)

12' 12' 16' 12' 12'

500+00

200+00

6' 7' 6'

6'

Ex 2"

Ex 2"

IL. ROUTE 38

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6206
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\104_IL Rte 59 at BROWNING WAY_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

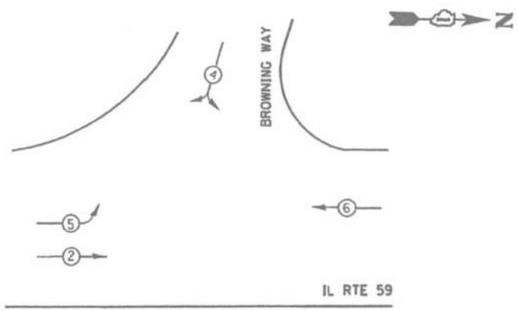
LOCATION #39
IL RTE 59 AT BROWNING WAY INTERSECTION PLAN

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

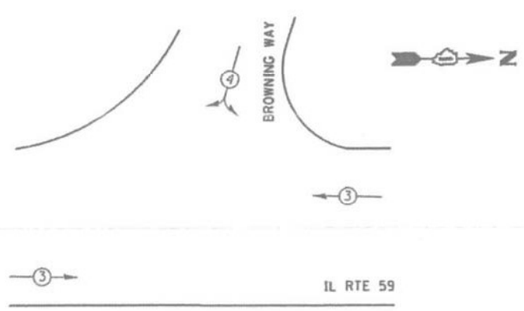
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	104
		CONTRACT NO. 62T53		

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

EXISTING CONTROLLER SEQUENCE

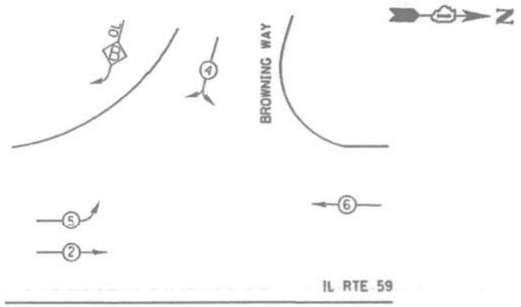


EMERGENCY VEHICLE SEQUENCE



PHASE DESIGNATION DIAGRAM

PROPOSED CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	13		17	0.50	110.5
(YELLOW)	13		25	0.25	81.25
(GREEN)	13		15	0.25	48.75
ARROW	4		12	0.10	4.8
PED. SIGNAL					
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN					
VIDEO SYSTEM					
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	345.3

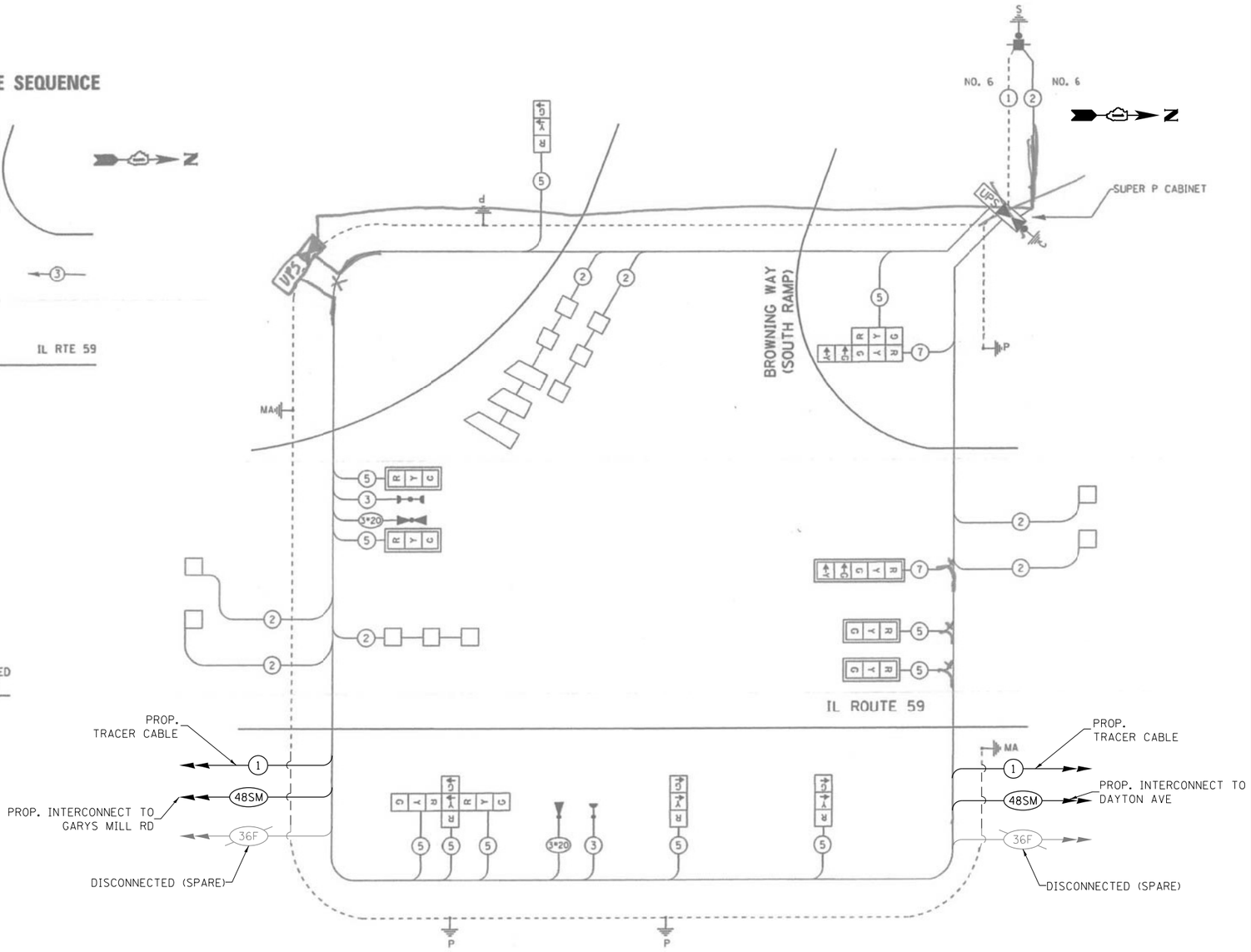
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMED

LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL OVERLAP
- PEDESTRAIN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6206
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

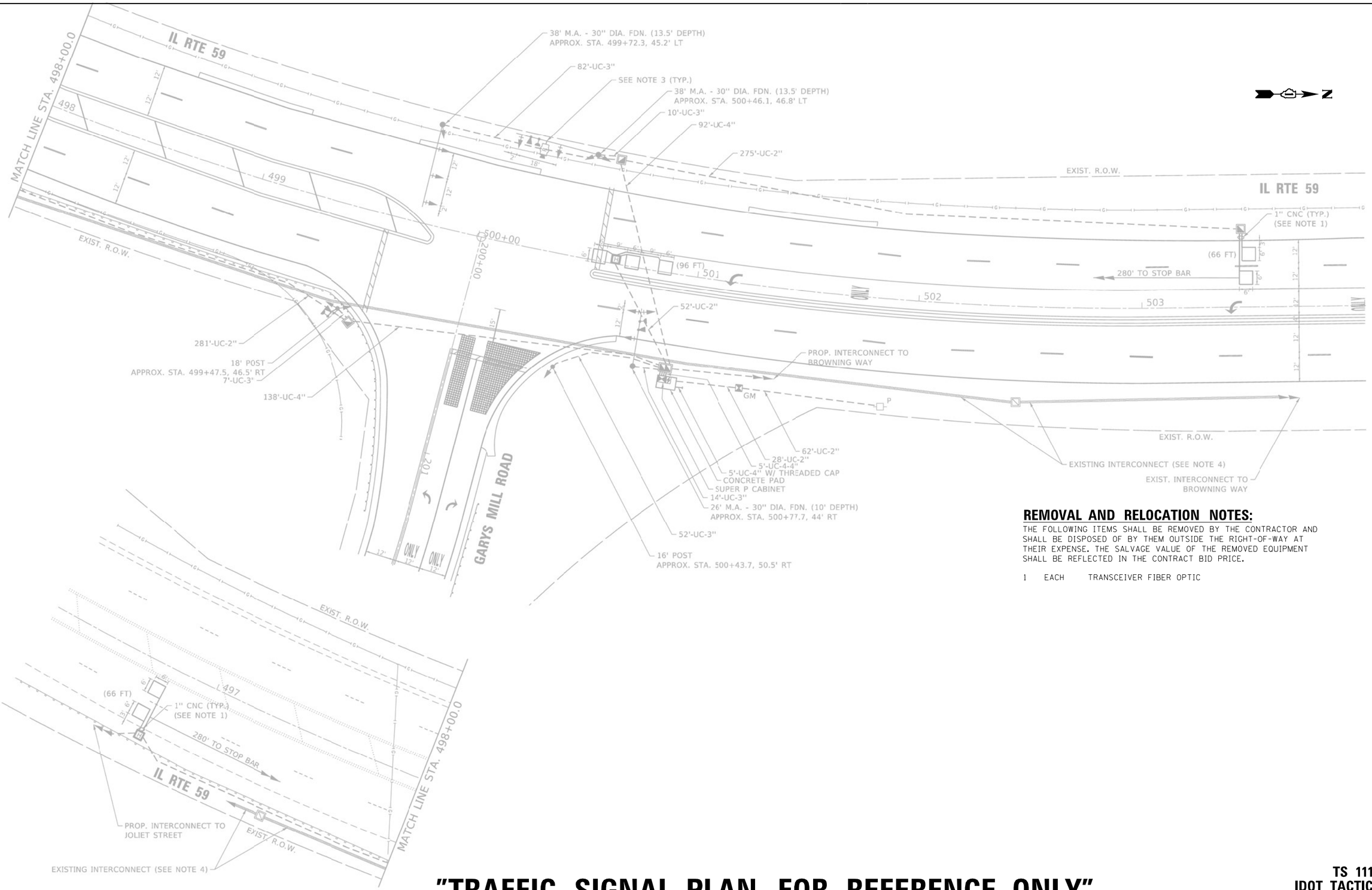
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #39
IL RTE 59 AT BROWNING WAY INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	105
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centreco Phase 3\CADD\Sheets\105_IL Rte 59 at BROWNING WAY_CD.dgn



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 1116
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centreco Phase 3\CADD\Sheets\106_IL Rte 59 at GARYS MILL RD_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

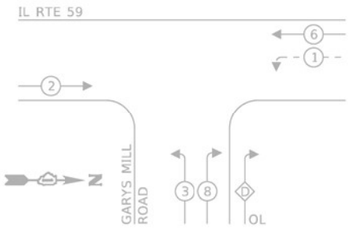
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #40
IL RTE 59 AT GARYS MILL RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	106
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE

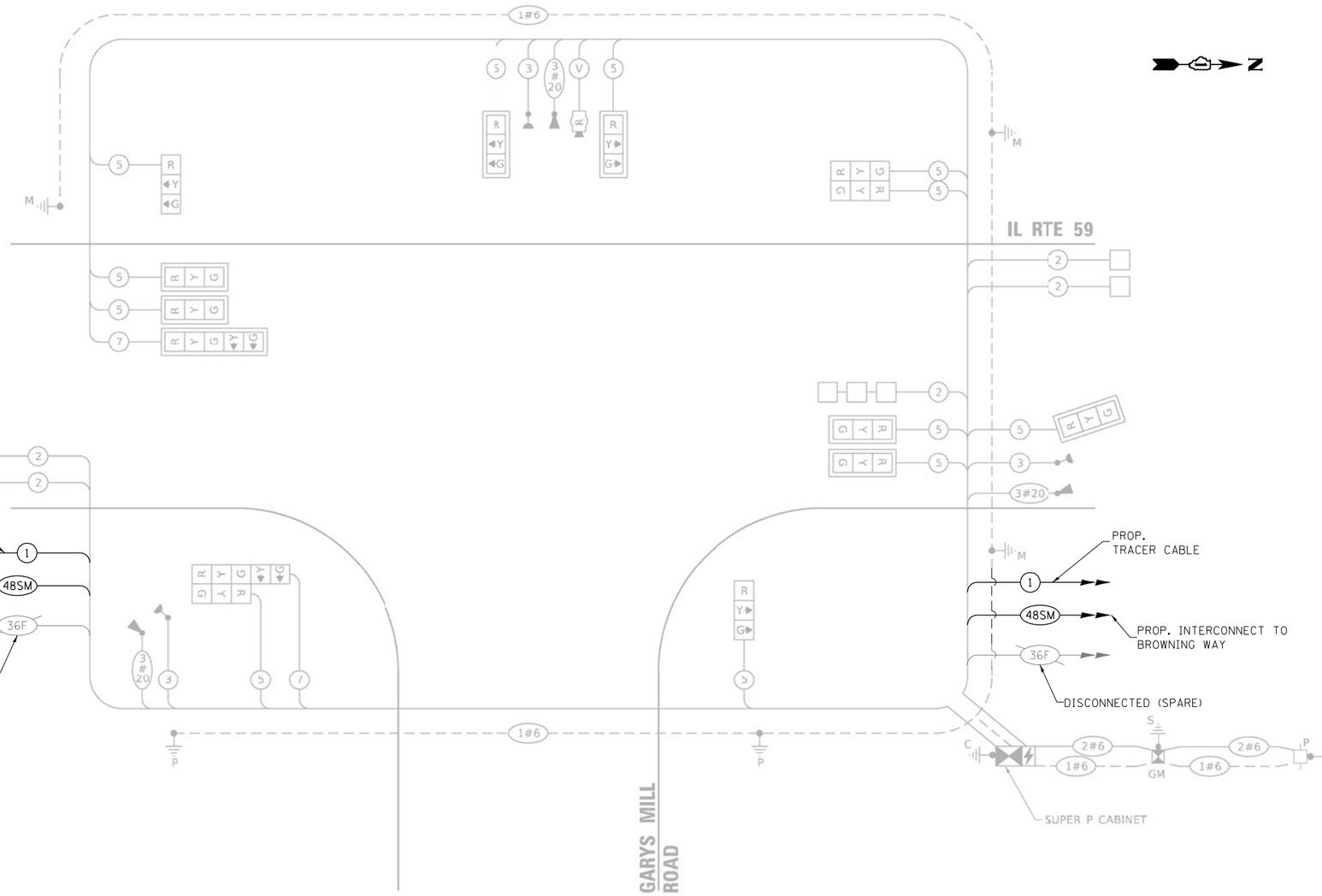


LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

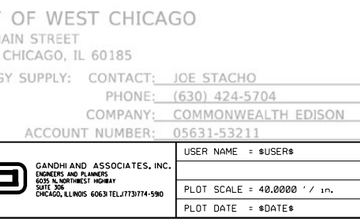
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PROTECTED PHASE		PROTECTED PHASE
D	=	8	-	1



CABLE PLAN
(NOT TO SCALE)

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	295.6

ENERGY COSTS TO:

CITY OF WEST CHICAGO
475 MAIN STREET
WEST CHICAGO, IL 60185

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 05631-53211

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 1116
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #40
IL RTE 59 AT GARYS MILL RD CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	107
		CONTRACT NO. 62T53		

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

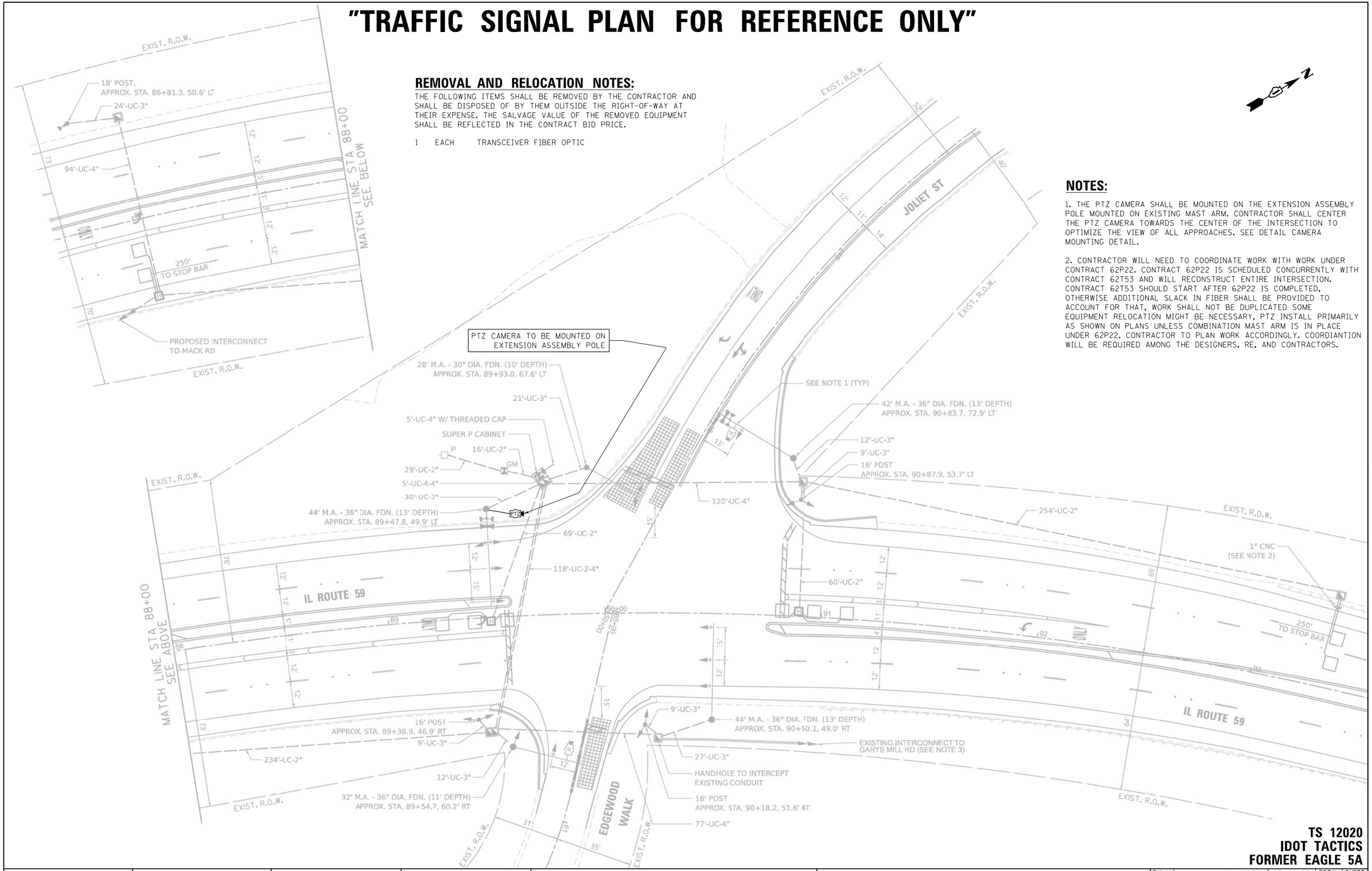
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centrica Phase 3\CADD\Sheets\107.IL Rte 59 at GARYS MILL RD.CD.dgn

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P22. CONTRACT 62P22 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P22 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS UNLESS COMBINATION MAST ARM IS IN PLACE UNDER 62P22. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

TS 12020
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

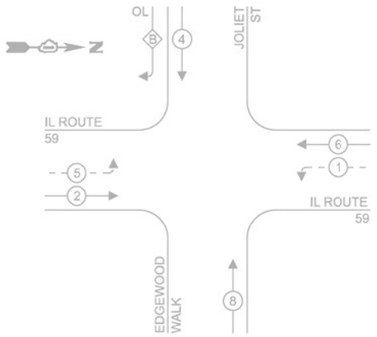
LOCATION #41
IL RTE 59 AT JOLIET ST/EDGEWOOD WALK INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	108
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\108_IL Rte 59 at JOLIET ST-EDGEWOOD WALK_INT.dgn

PROPOSED CONTROLLER SEQUENCE



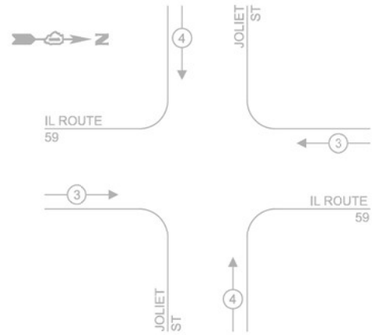
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



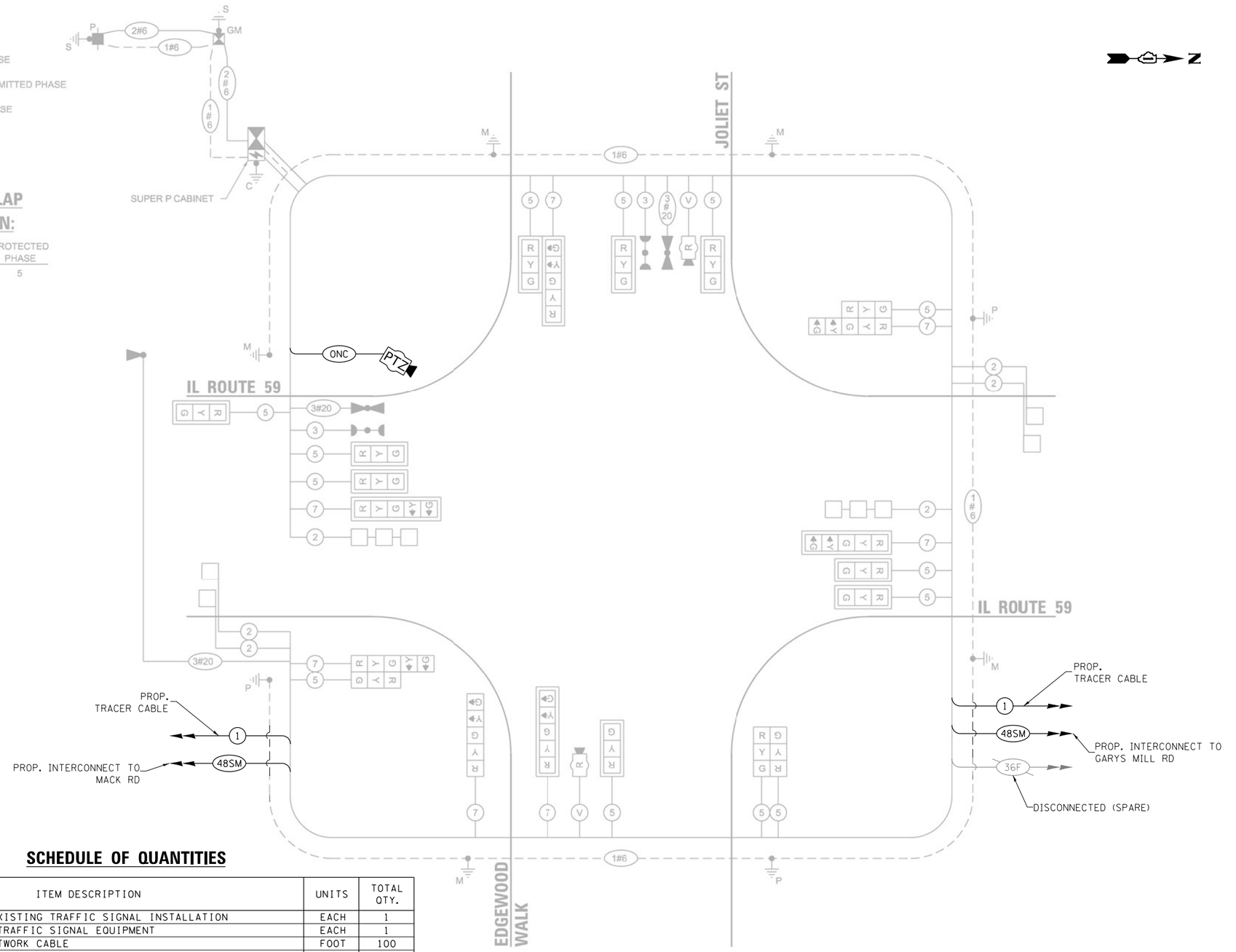
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	14	10	10	14.0
PED. SIGNAL	0	20	100	0.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	0	150	100	0.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	377.0

ENERGY COSTS TO:

CITY OF WEST CHICAGO
475 MAIN ST
WEST CHICAGO, IL 60185

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 73470-49055



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	100
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
CAMERA MOUNTING ASSEMBLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 12020
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD\Sheets\109_IL Rte 59 at JOLIET ST-EDGEWOOD WALK_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #41
IL RTE 59 AT JOLIET ST/EDGEWOOD WALK CABLE PLAN

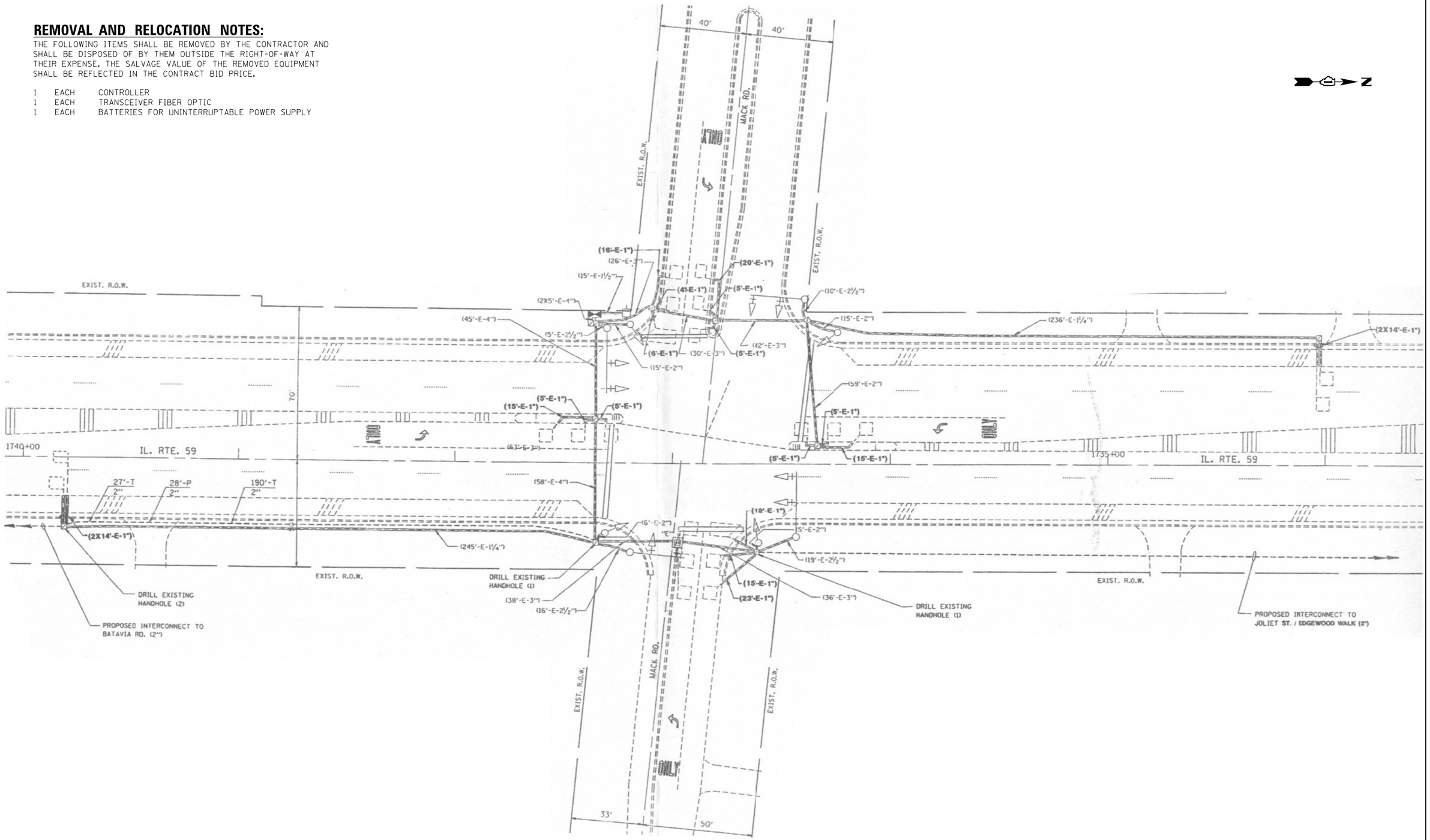
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	109
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

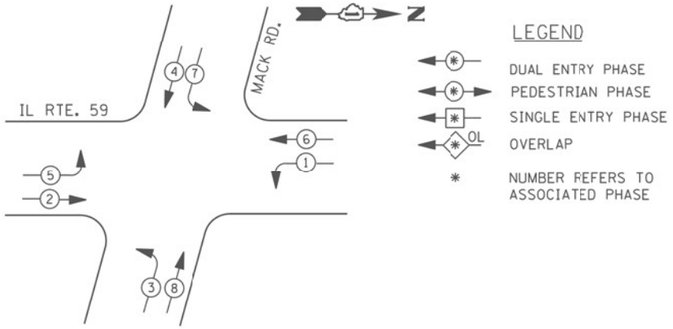
TS 12021
IDOT TACTICS
FORMER EAGLE 5A

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #42 IL RTE 59 AT MACK RD INTERSECTION PLAN
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -		
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	110
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\P-ojects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\110_IL Rte 59 at MACK RD_INT.dgn

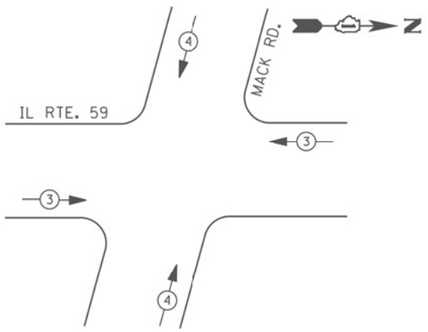
CONTROLLER SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OVERLAP (OL)
- * NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE

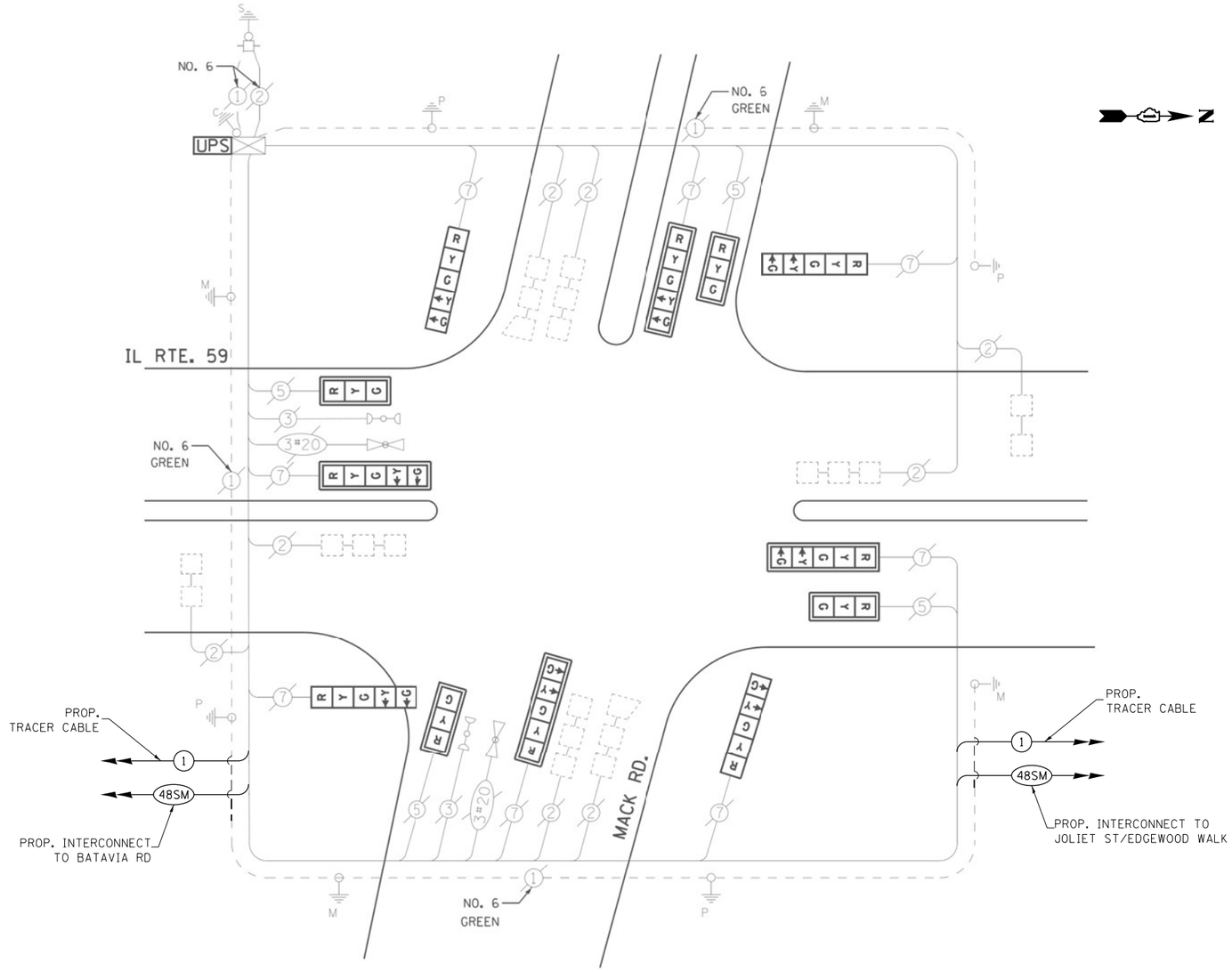
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	16	135	12	0.10	20
PED. SIGNAL	--	90	25	1.00	--
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	--
VIDEO SYSTEM	--	150	-	1.00	--
FLASHER LED					
				TOTAL =	342

ENERGY COSTS- BILLED TO: CITY OF WARRENVILLE
3S258 MANNING AVENUE
WARRENVILLE, ILLINOIS 60555

ENERGY SUPPLY - CONTACT JOE STACHO
PHONE 630-424-5704
COMMONWEALTH EDISON



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 12021
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #42
IL RTE 59 AT MACK RD CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	111
		CONTRACT NO. 62T53		

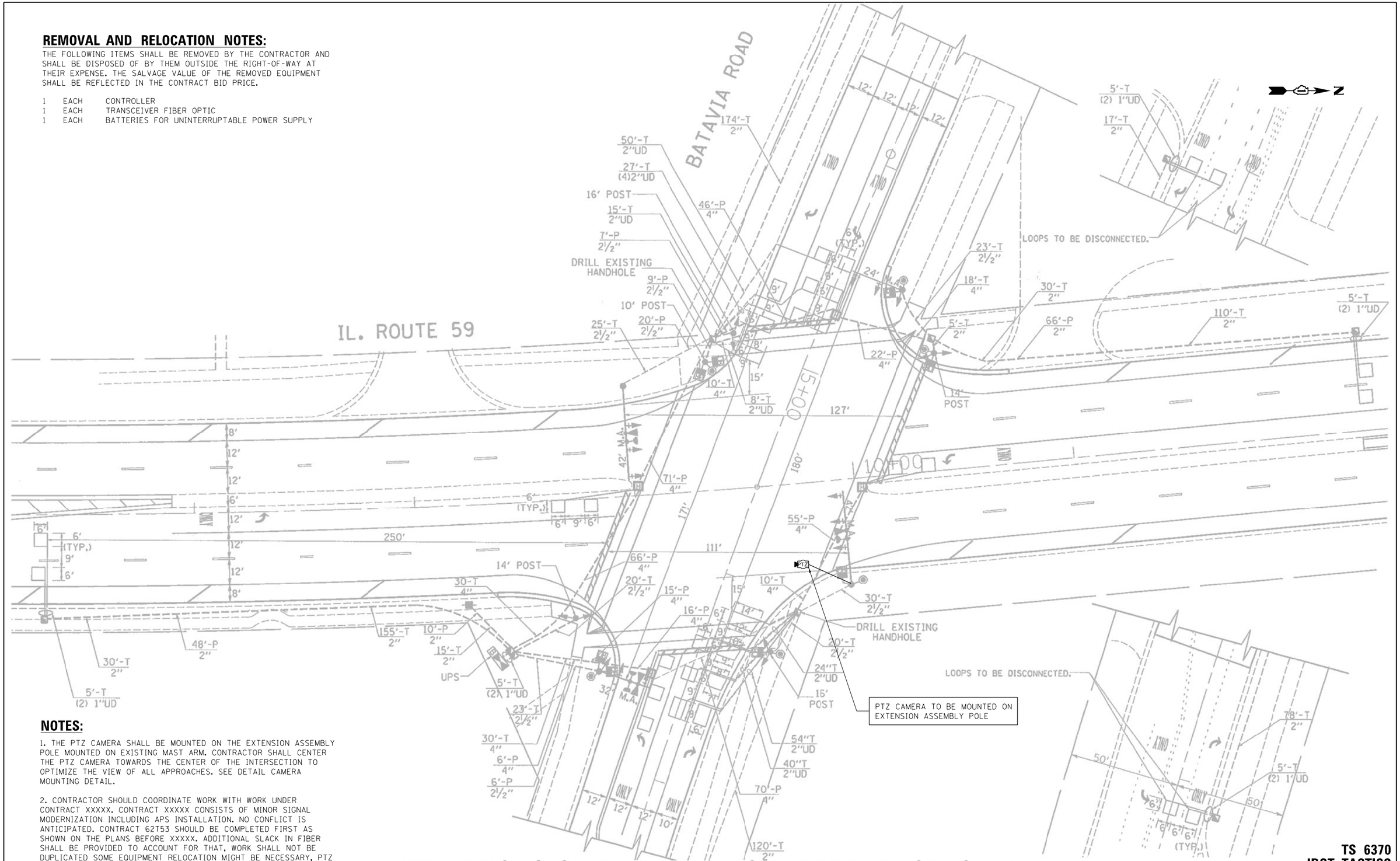
FED. ROAD DIST. NO. - | ILLINOIS | FED. AID PROJECT

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD_Sheets\111_IL Rte 59 at MACK RD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. CONTRACTOR SHOULD COORDINATE WORK WITH WORK UNDER CONTRACT XXXXX. CONTRACT XXXXX CONSISTS OF MINOR SIGNAL MODERNIZATION INCLUDING APS INSTALLATION. NO CONFLICT IS ANTICIPATED. CONTRACT 62T53 SHOULD BE COMPLETED FIRST AS SHOWN ON THE PLANS BEFORE XXXXX. ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS. CONTRACTOR TO PLAN WORK ACCORDINGLY.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6370
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

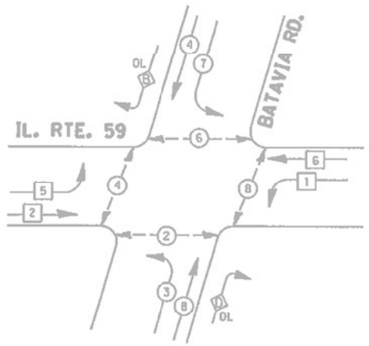
LOCATION #43
IL RTE 59 AT BATAVIA RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	112
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\112_IL Rte 59 at BATAVIA RD_INT.dgn

CONTROLLER SEQUENCE



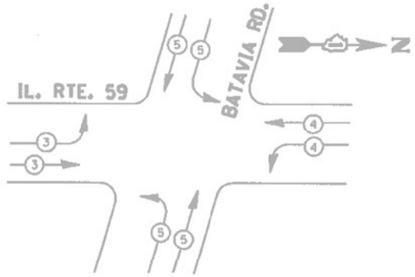
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL OVERLAP
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
D	=	8	+	1

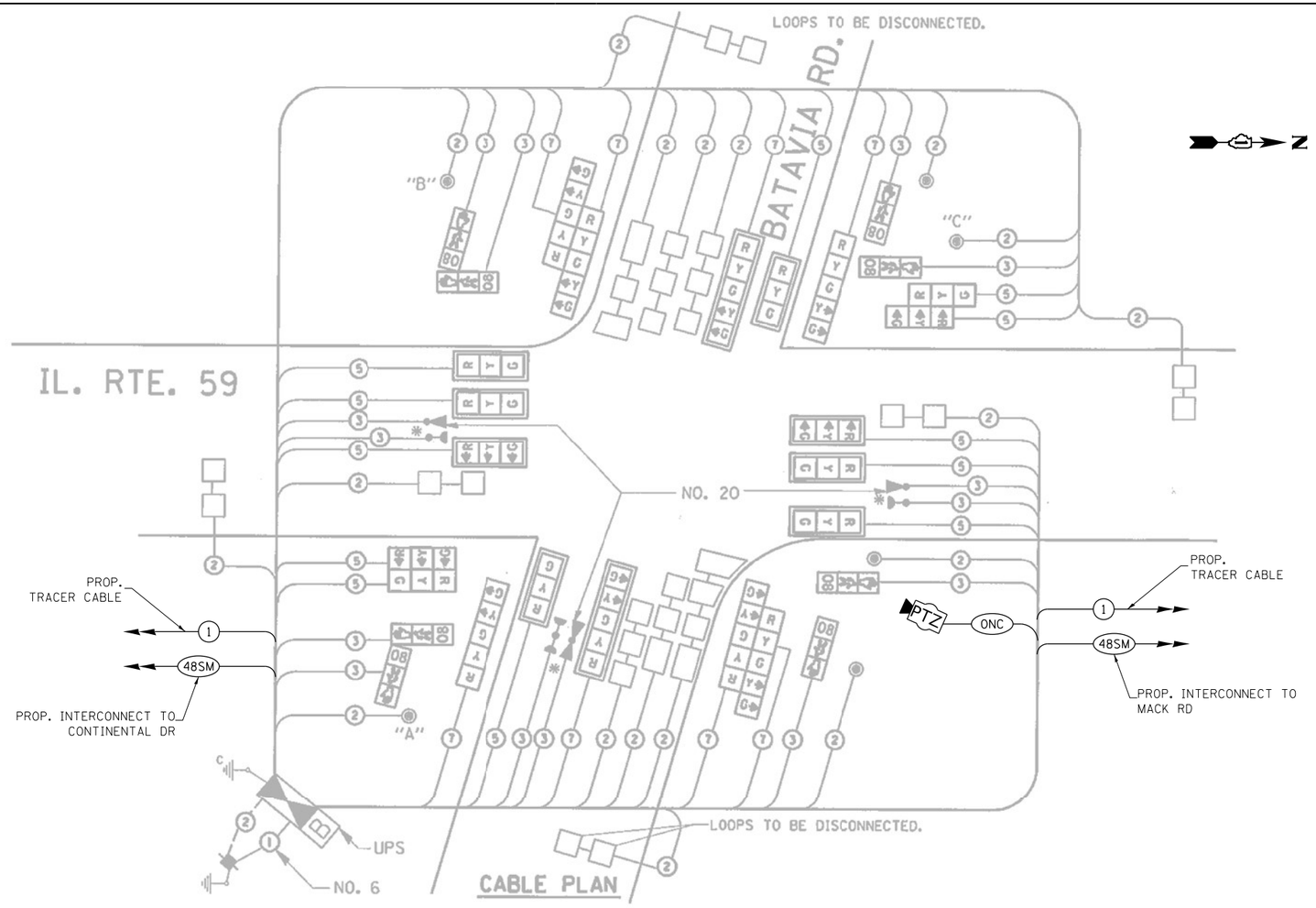
EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	28	135	12	0.10	33.60
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	629.60

ENERGY SUPPLY
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
CONTACT: KEA McKENZIE
PHONE: 630-437-2495
COMPANY: COMM. ED.



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	214
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6370
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\113_IL Rte 59 at BATAVIA RD_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #43
IL RTE 59 AT BATAVIA RD CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	113
		CONTRACT NO. 62T53		

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

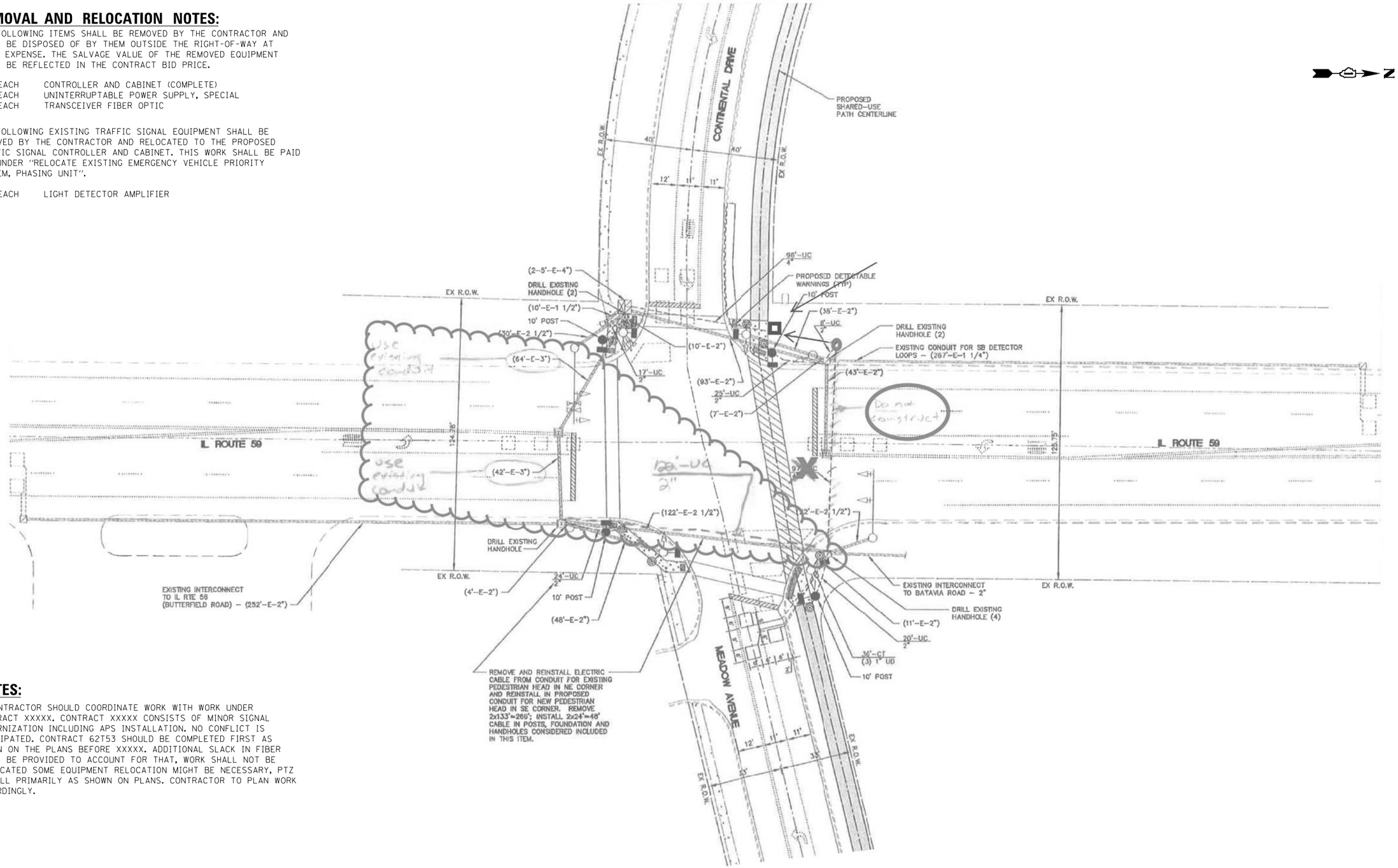
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



NOTES:

1. CONTRACTOR SHOULD COORDINATE WORK WITH WORK UNDER CONTRACT XXXXX. CONTRACT XXXXX CONSISTS OF MINOR SIGNAL MODERNIZATION INCLUDING APS INSTALLATION. NO CONFLICT IS ANTICIPATED. CONTRACT 62T53 SHOULD BE COMPLETED FIRST AS SHOWN ON THE PLANS BEFORE XXXXX. ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS. CONTRACTOR TO PLAN WORK ACCORDINGLY.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6395
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

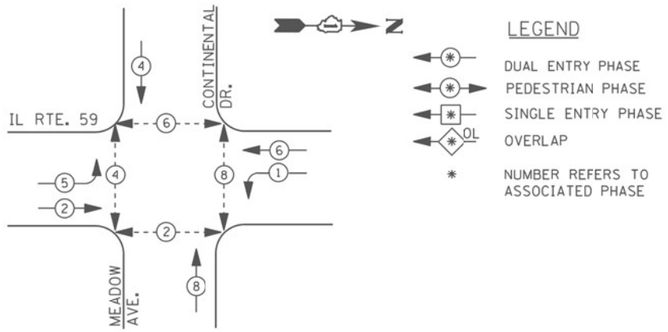
LOCATION #44
IL RTE 59 AT MEADOW AVE/CONTINENTAL DR INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	114
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\114_IL Rte 59 at MEADOW AVE-CONTINENTAL DR_INT.dgn

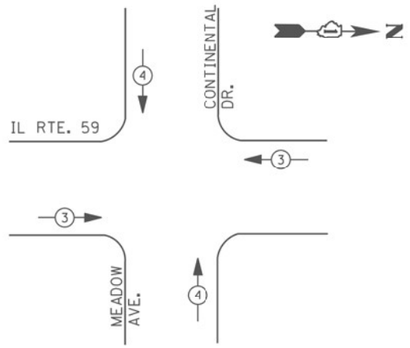
CONTROLLER SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE

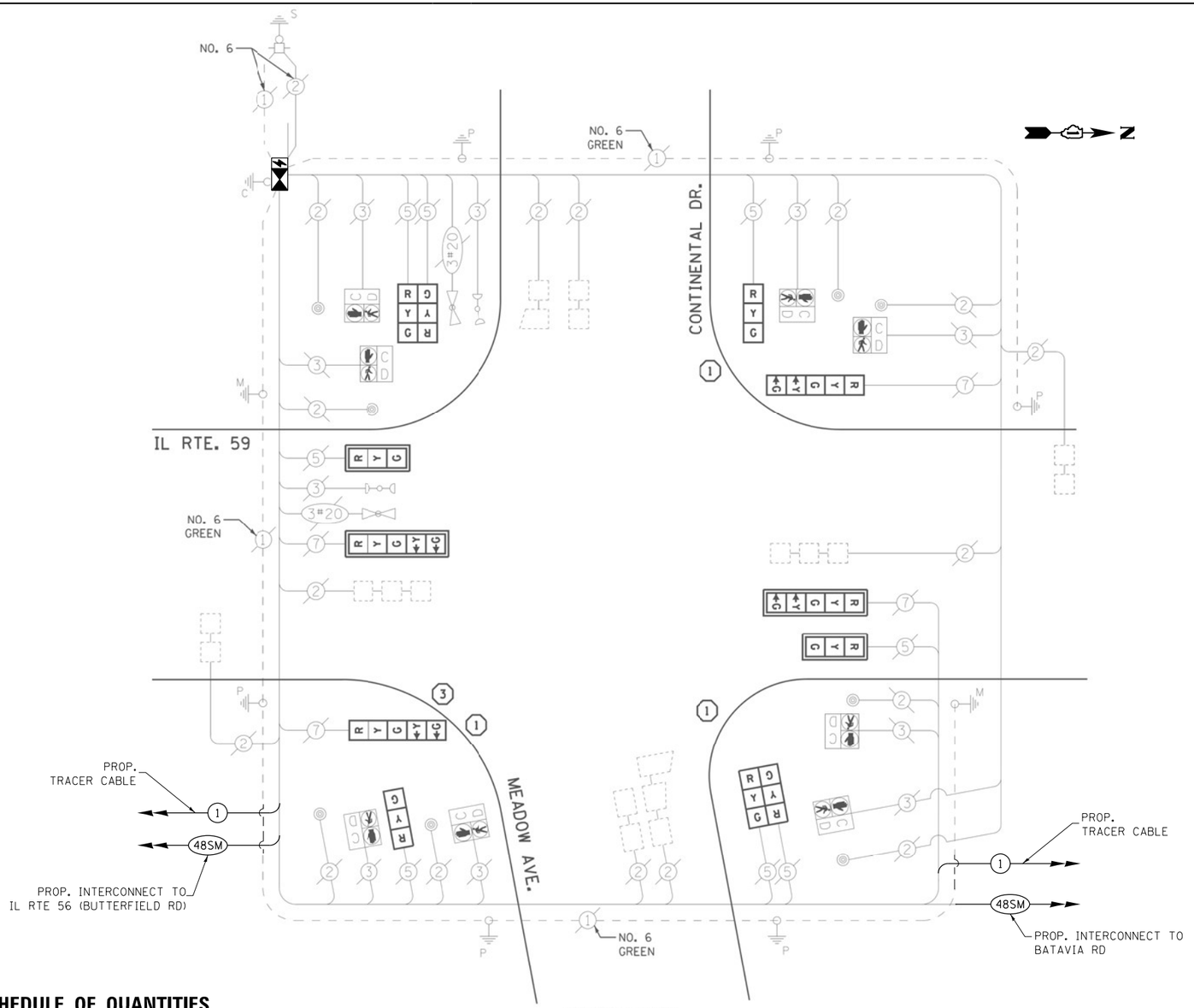
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	8	135	12	0.10	10
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	--
VIDEO SYSTEM		150	-	1.00	--
FLASHER LED					
				TOTAL =	432

ENERGY COSTS- BILLED TO: CITY OF WARRENVILLE
3S258 MANNING AVENUE
WARRENVILLE, ILLINOIS 60555

ENERGY SUPPLY - CONTACT JOE STACHO
PHONE 630-424-5704
COMMONWEALTH EDISON



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	8
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6395
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #44
IL RTE 59 AT MEADOW AVE/CONTINENTAL DR CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	115
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\115_IL Rte 59 at MEADOW AVE-CONTINENTAL DR.CO.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER AND CABINET (COMPLETE)
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

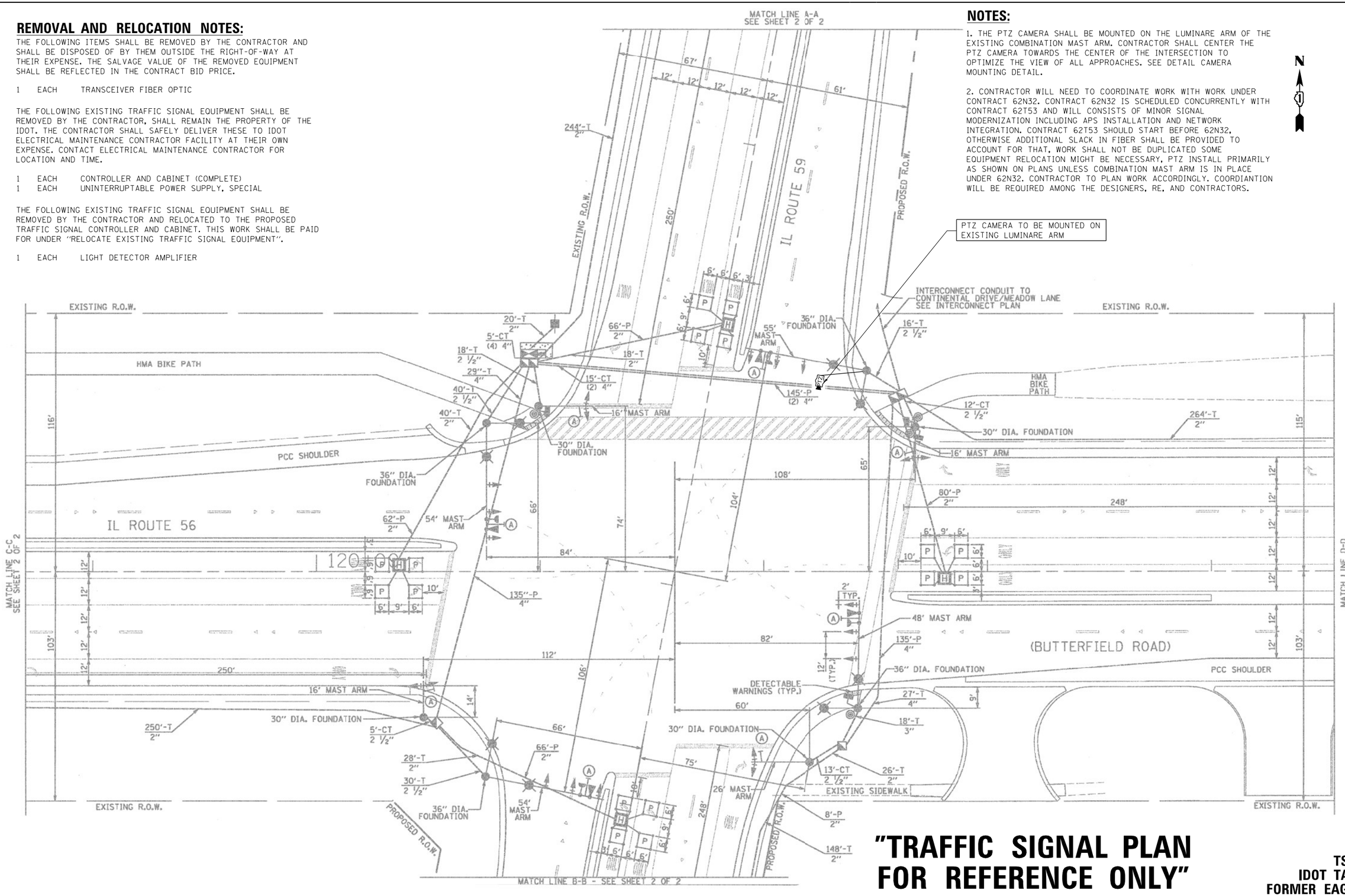
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1 EACH LIGHT DETECTOR AMPLIFIER

NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62N32. CONTRACT 62N32 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL CONSISTS OF MINOR SIGNAL MODERNIZATION INCLUDING APS INSTALLATION AND NETWORK INTEGRATION. CONTRACT 62T53 SHOULD START BEFORE 62N32, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY, PTZ INSTALL PRIMARILY AS SHOWN ON PLANS UNLESS COMBINATION MAST ARM IS IN PLACE UNDER 62N32. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6260
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centreca Phase 3\CADD\Sheets\116_IL Rte 59 at IL RTE 56 (BUTTERFIELD RD)_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 '/ in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

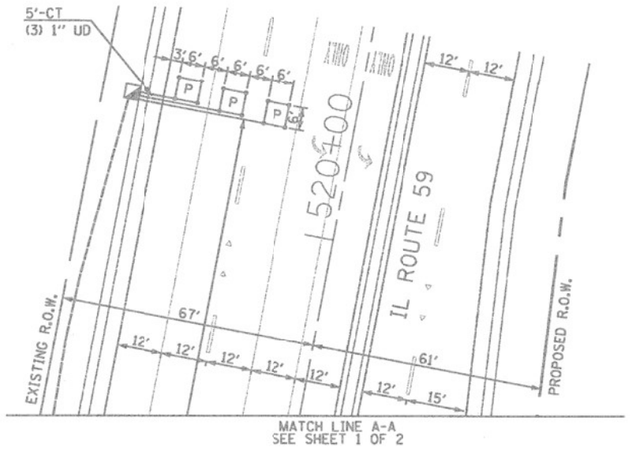
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

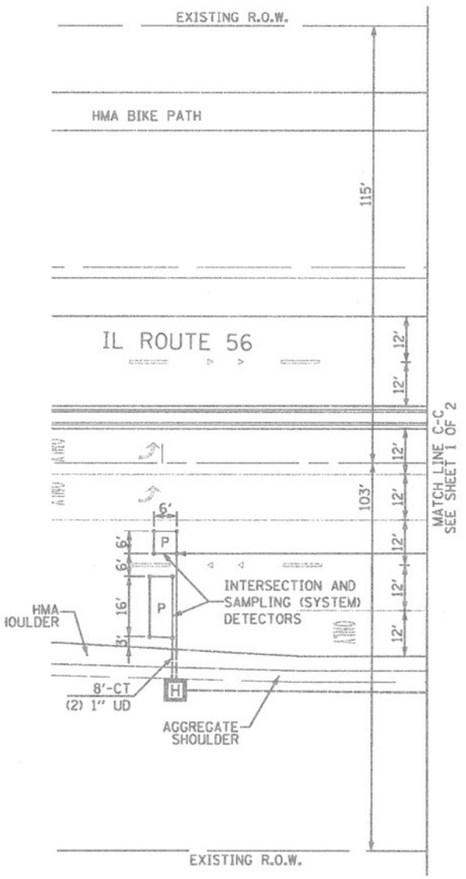
LOCATION #45
IL RTE 59 AT IL RTE 56 (BUTTERFIELD RD) INTERSECTION PLAN
SHEET 1

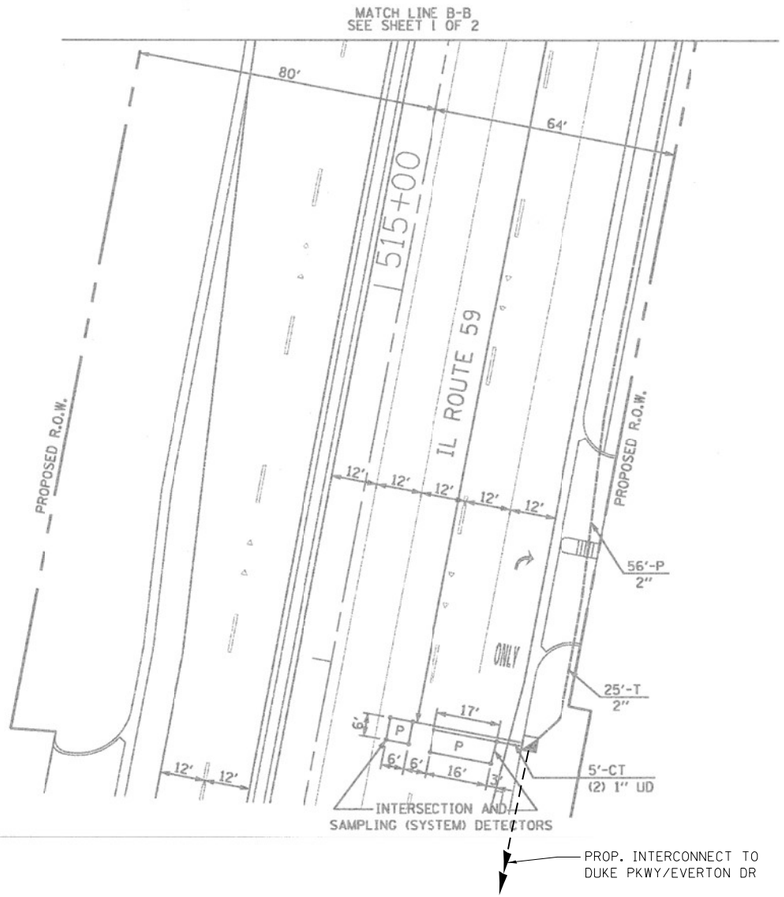
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

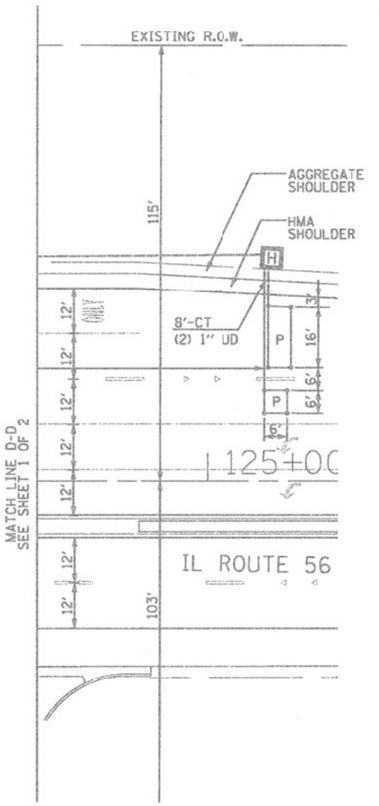
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	116
		CONTRACT NO. 62T53		

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









"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6260
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

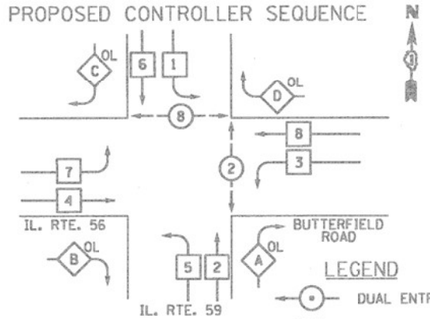
LOCATION #45
IL RTE 59 AT IL RTE 56 (BUTTERFIELD RD) INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	117
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\117_IL Rte 59 at IL RTE 56 (BUTTERFIELD RD)_INT_2.dgn

PROPOSED CONTROLLER SEQUENCE



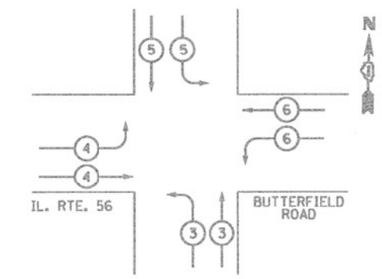
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	=	PERMISSIVE PHASE	+	PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

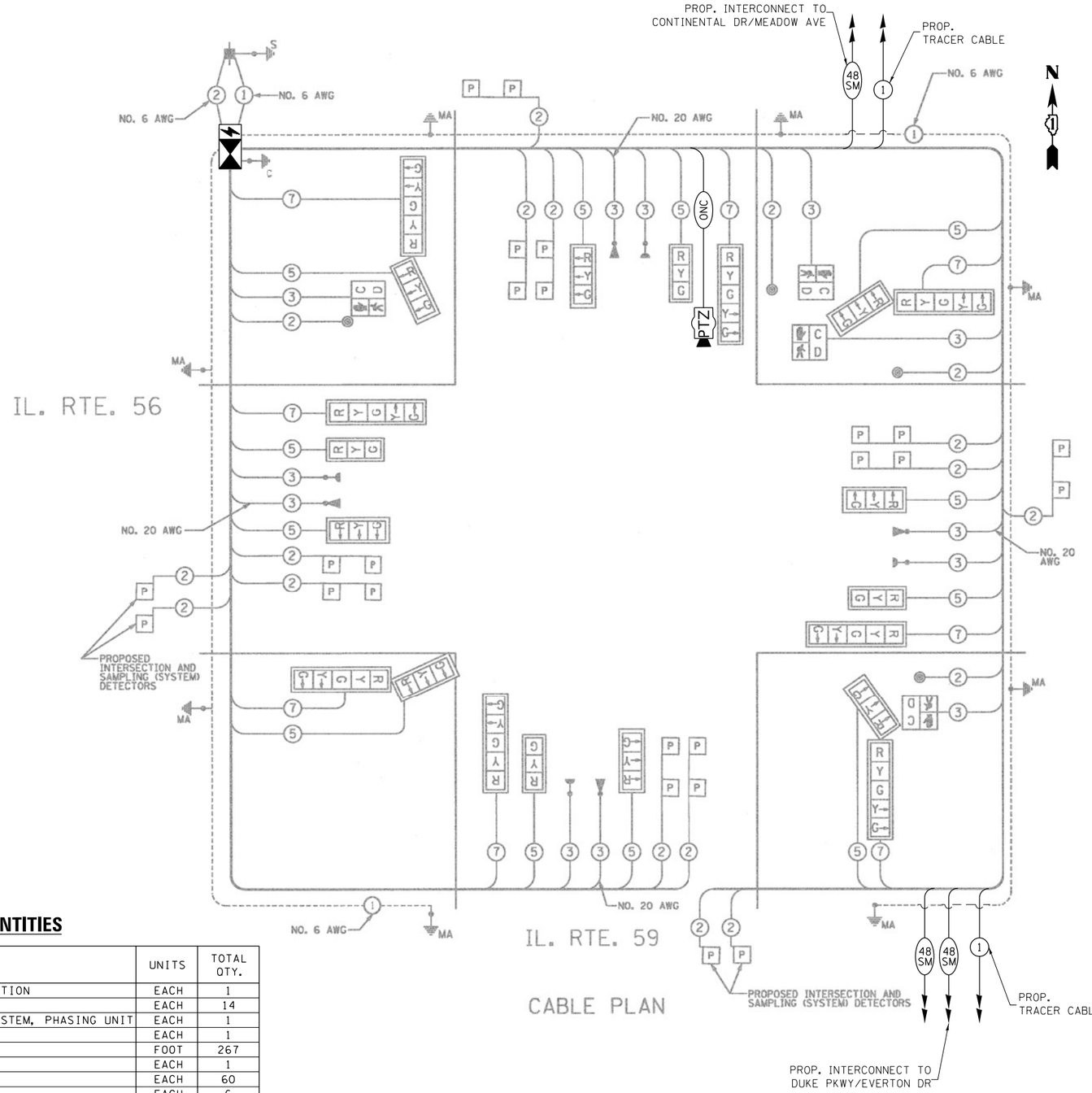


PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
		WATTAGE			
TYPE	NO. OF LAMPS	x INCAND.	LED	x % OPERATION	
SIGNAL (RED)	20	135	17	0.50	170
(YELLOW)	20	135	25	0.25	125
(GREEN)	20	135	15	0.25	75
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252		0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	589.2

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER COURT / SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MS. MIKKI WILLIAMS
PHONE: (630) 691-4721
COMPANY: COMED



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	14
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	267
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	60
Ssplice FIBER IN CABINET	EACH	6
LAYER III (NETWORK) SWITCH	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	2

TS 6260
IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #45
IL RTE 59 AT IL RTE 56 (BUTTERFIELD RD) CABLE PLAN

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

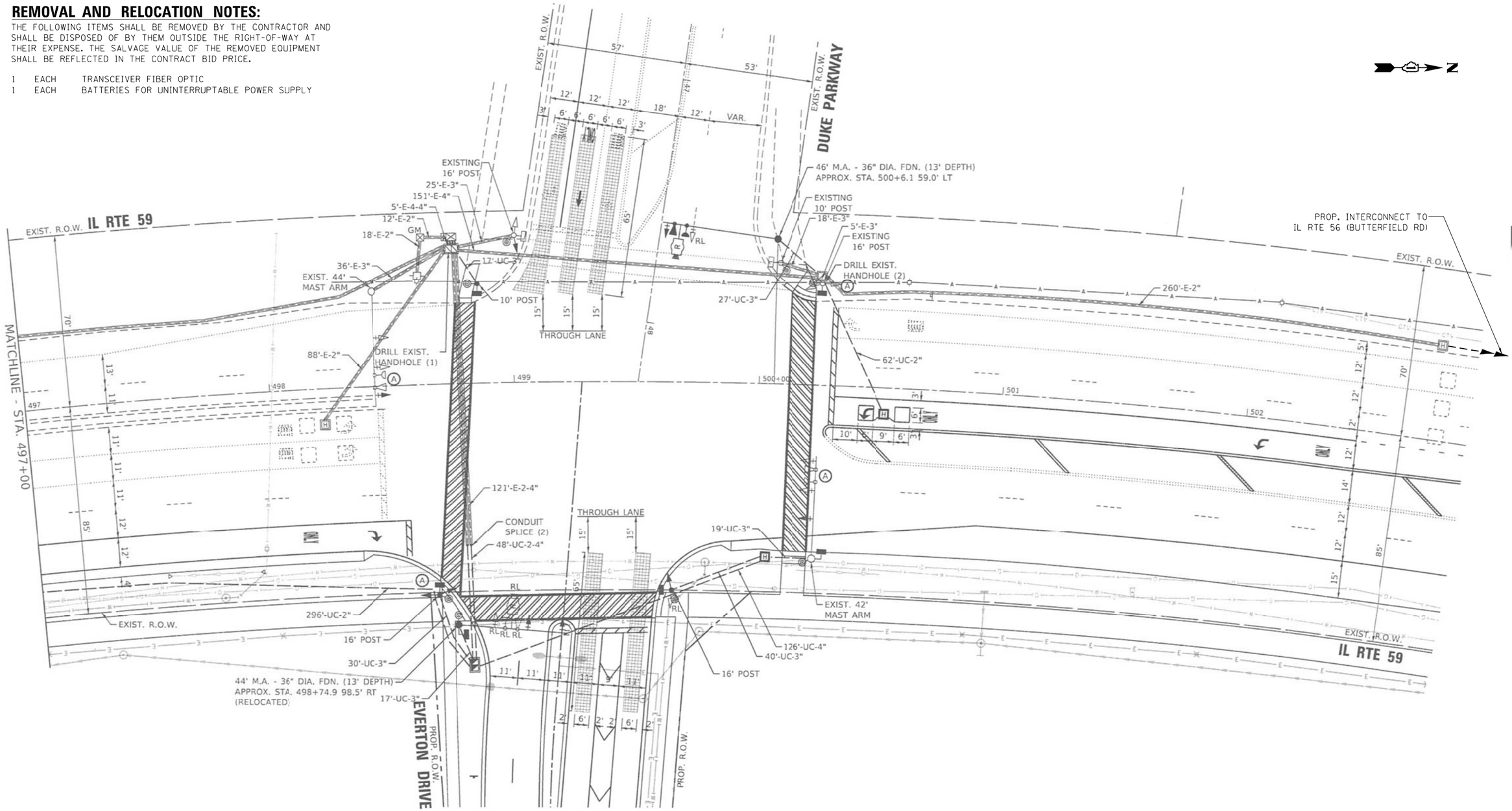
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	118
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\118_IL Rte 59 at IL RTE 56 (BUTTERFIELD RD)_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 11083
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

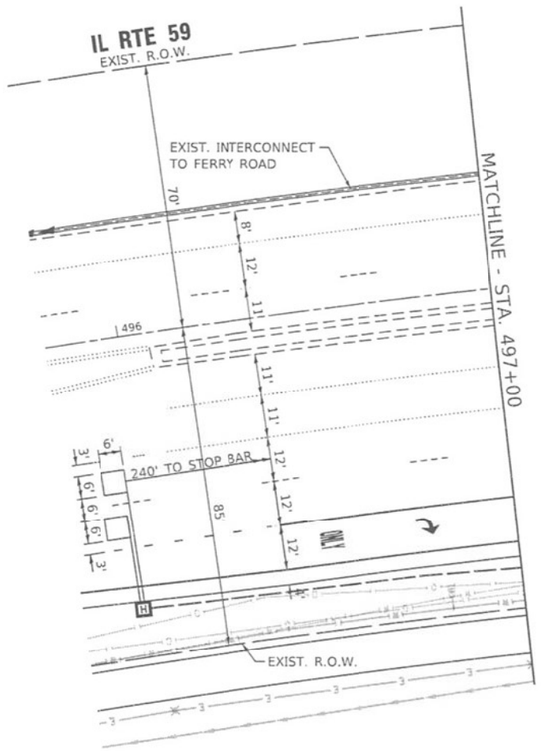
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #46
IL RTE 59 AT DUKE PKWY/EVERTON DR INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	119
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-5108-Centracs Phase 3\CADD_Sheets\119_IL Rte 59 at DUKE PKWY-EVERTON DR_INT.dgn



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 11083
IDOT CENTRACS
FORMER ECON 25

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\120_IL Rte 59 at DUKE PKWY-EVERTON DR_INT_2.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

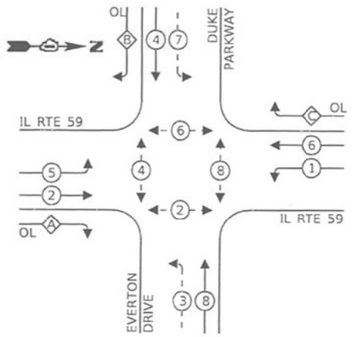
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #46
IL RTE 59 AT DUKE PKWY/EVERTON DR INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	120
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



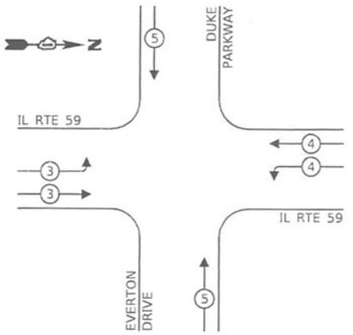
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



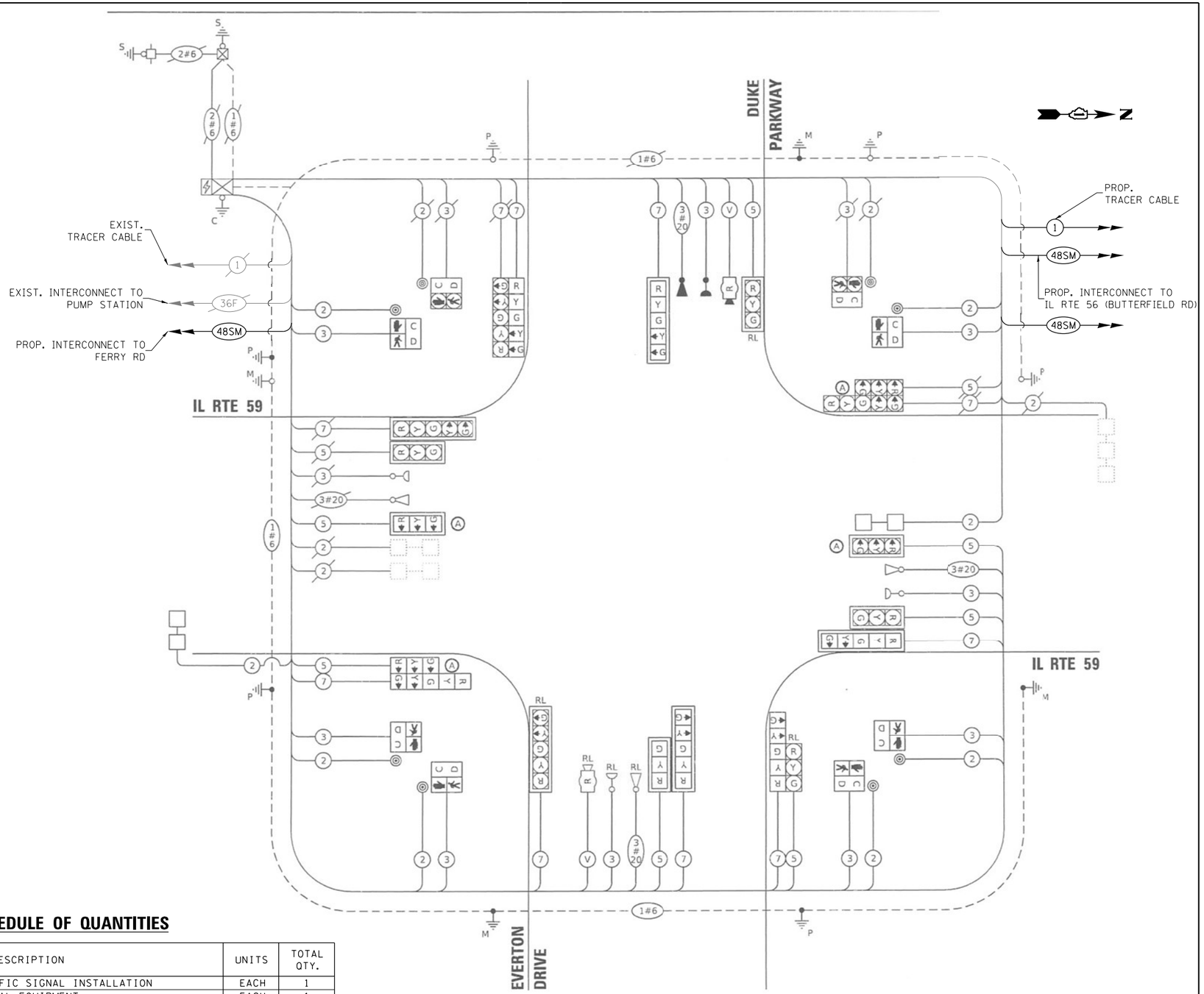
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	19	11	50	104.5
(YELLOW)	19	20	5	19
(GREEN)	19	12	45	102.6
PERMISSIVE ARROW	20	10	10	20
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
RADAR SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
			TOTAL =	681.1

ENERGY COSTS TO:

CITY OF AURORA
44 E. DOWNER PLACE
AURORA, IL 60504

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED LOMBARD
ACCOUNT NUMBER: -



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	2

TS 11083
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

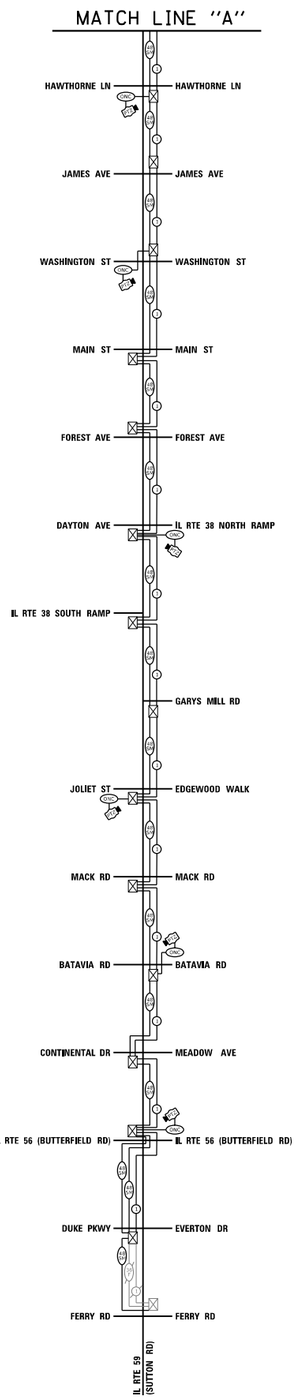
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

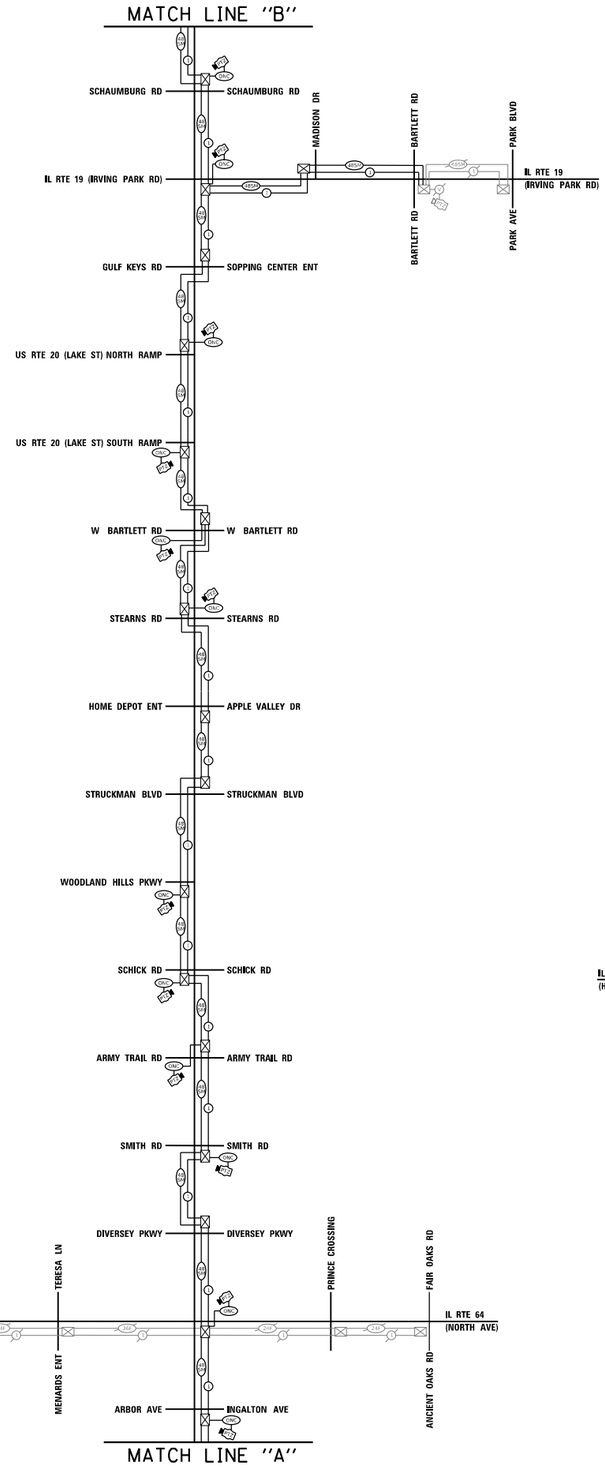
LOCATION #46
IL RTE 59 AT DUKE PKWY/EVERTON DR CABLE PLAN

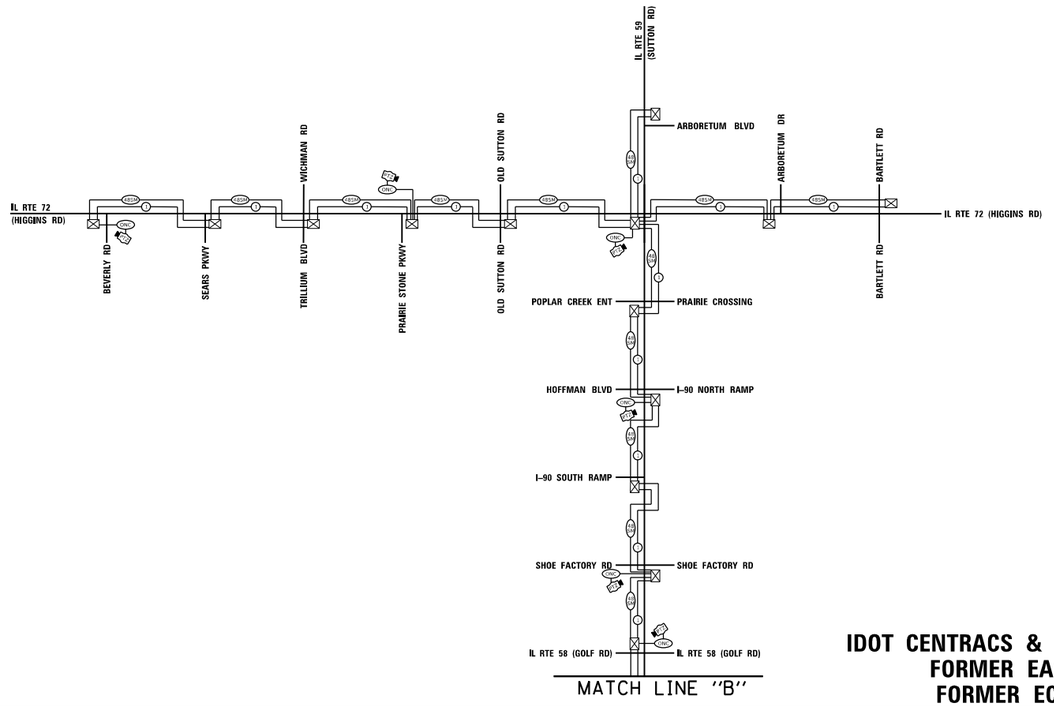
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	121
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\121_IL Rte 59 at DUKE PKWY-EVERTON DR_CD.dgn







NOTES:

1. CONTRACTOR SHALL PROVIDE APPROXIMATELY 100' OF SLACK AT DOUBLE HANDHOLE NEXT TO CABINET FOR ALL THE LCOATIONS WITH 48SM FIBER CABLE.

N

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	100
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,560
	HANDHOLE	EACH	34
	HEAVY-DUTY HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	129,379
	DRILL EXISTING HANDHOLE	EACH	12
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	207,820
*	ROD AND CLEAN EXISTING CONDUIT	FOOT	77,970
	UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	21,930
	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	129,379
**	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY ENGINEER
** SYSTEM OPTIMIZATION SHALL CONSIST OF IDOT FORMER EAGLE 5N.
SCAT CONSULTANT SHALL ALSO IDENTIFY ANY POSSIBLE OPTIMIZATION BETWEEN EACH FORMER SYSTEM.

IDOT CENTRACS & IDOT TACTICS
FORMER EAGLE 5A & 5N
FORMER ECON 90 & 116

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\122_Schem_Interconnect.ldgn

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

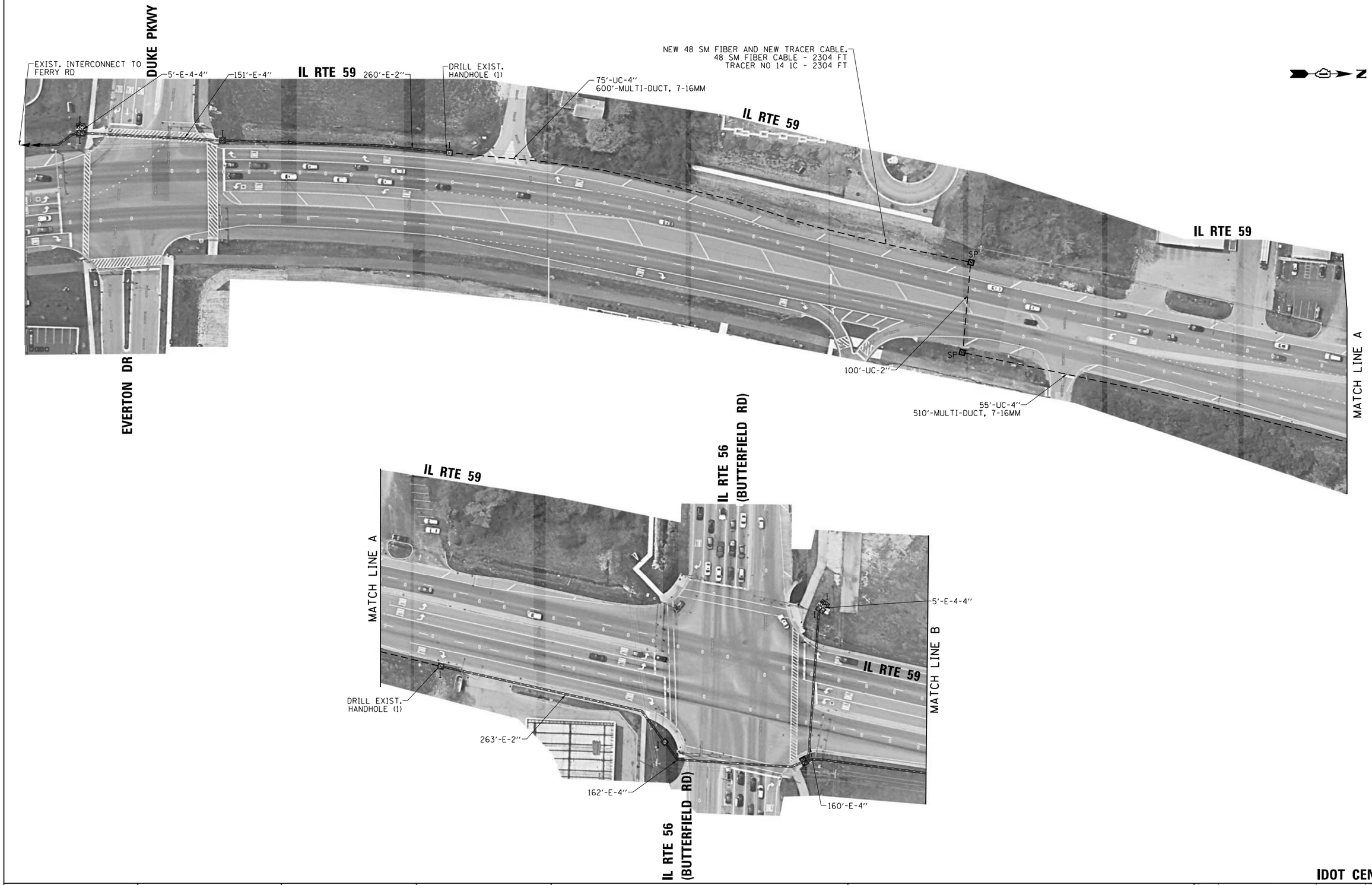
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERALL INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITES
IDOT ZONES 5A, 5F, 5N, 90, 106, 116, 158

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	122
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



IDOT CENTRACS

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\123_Interconnect Plan for IL-59 South to North.dgn

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

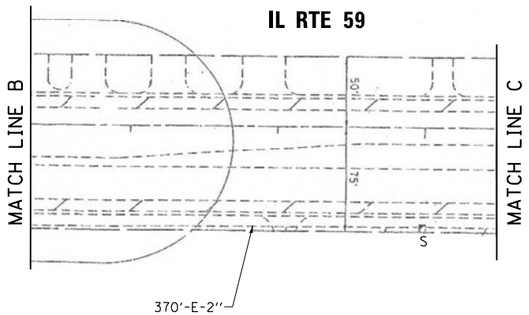
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

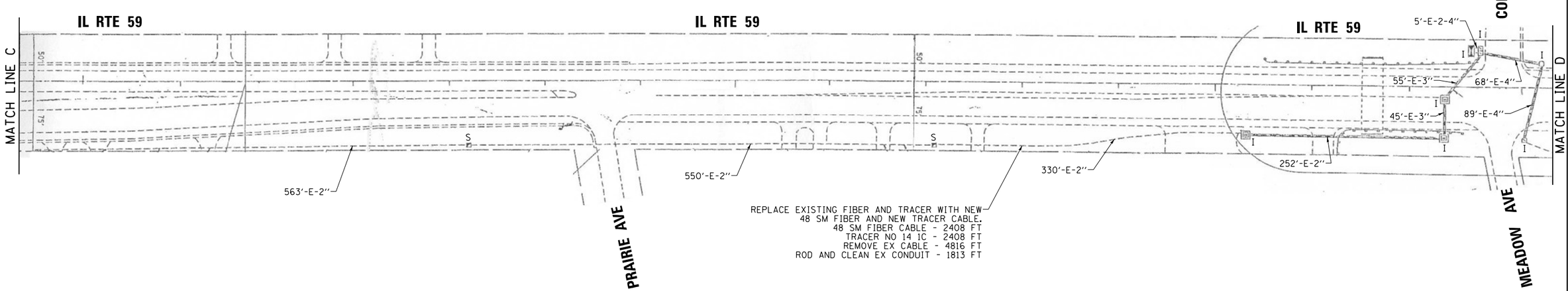
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL RTE 59 AT DUKE PKWY AND IL RTE 56 (BUTTERFIELD RD)

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	123
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centreco Phase 3\CADD\Sheets\124_Interconnect Plan for IL-59 South to North.2dgn

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

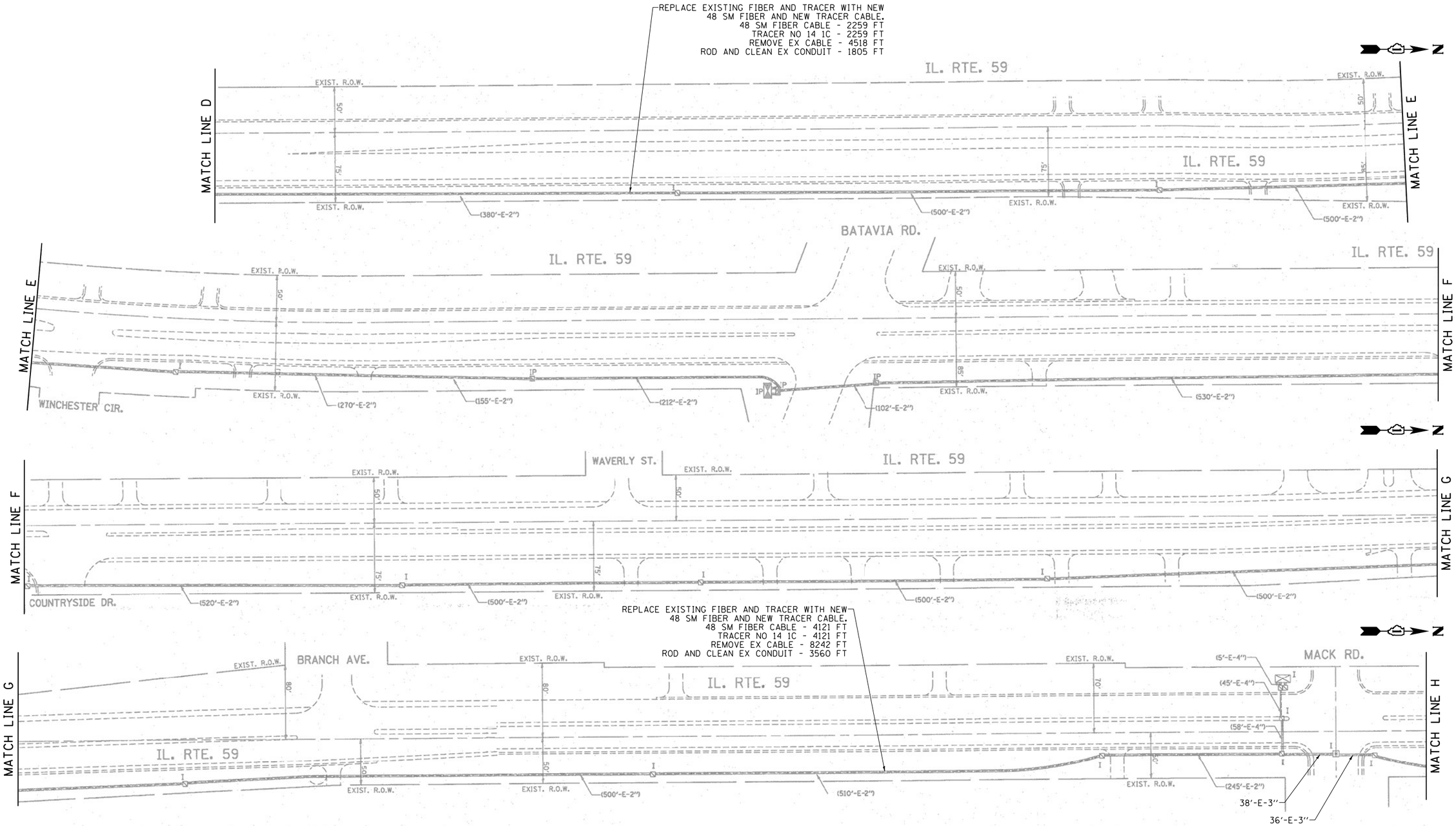
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT IL RTE 56 (BUTTERFIELD RD) AND MEADOW AVE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	124
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\125_Interconnect Plan for IL-59 South to North_3.dgn

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

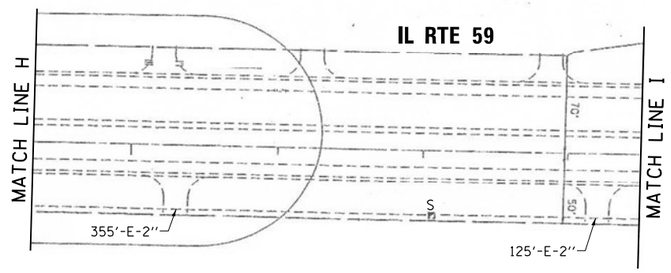
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

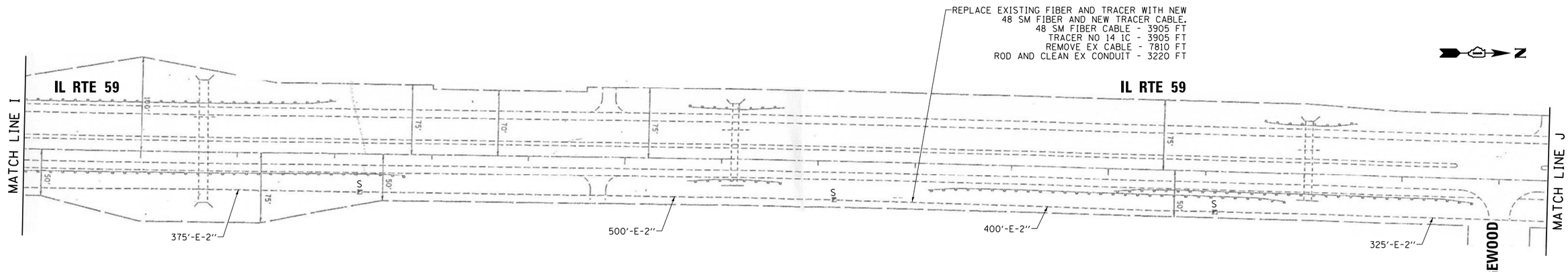
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

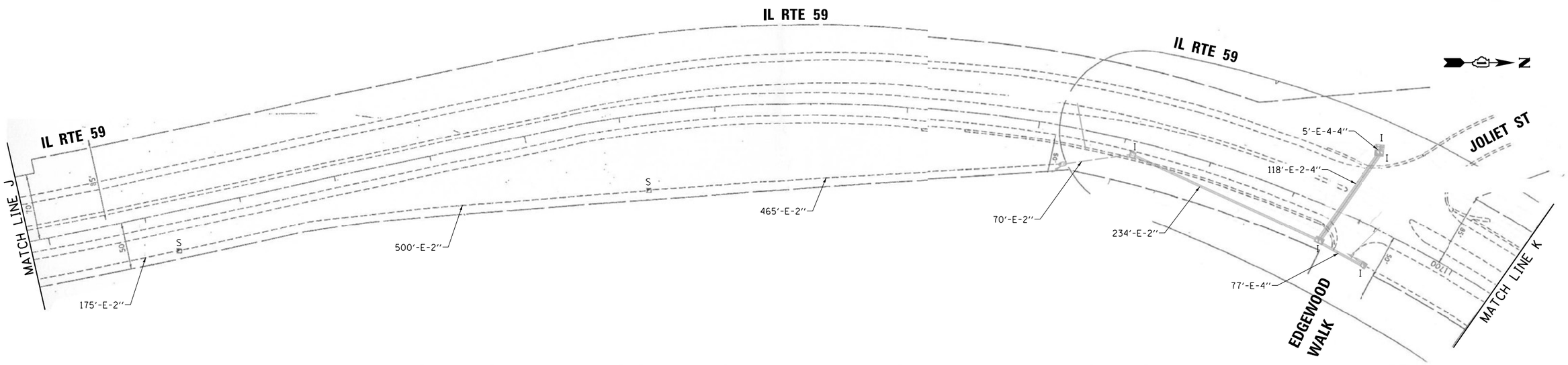
EXISTING INTERCONNECT PLAN
IL RTE 59 AT MEADOW AVE AND BATAVIA RD AND MACK RD

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	125
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		







"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\126_Interconnect Plan for IL-59 South to North.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

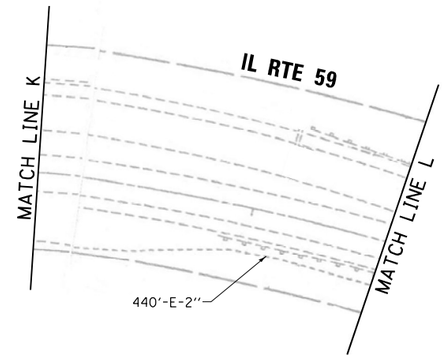
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

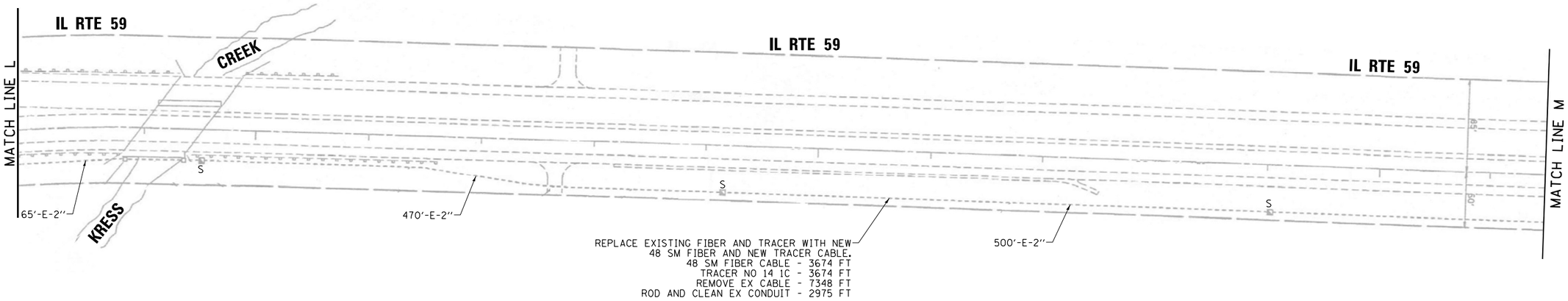
EXISTING INTERCONNECT PLAN
IL RTE 59 AT MACK RD AND JOLIET ST

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	126
		CONTRACT NO. 62T53		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-518-Contracts Phase 3\CADD_Sheets\127_Interconnect Plan for IL-59 South to North_5.dgn

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

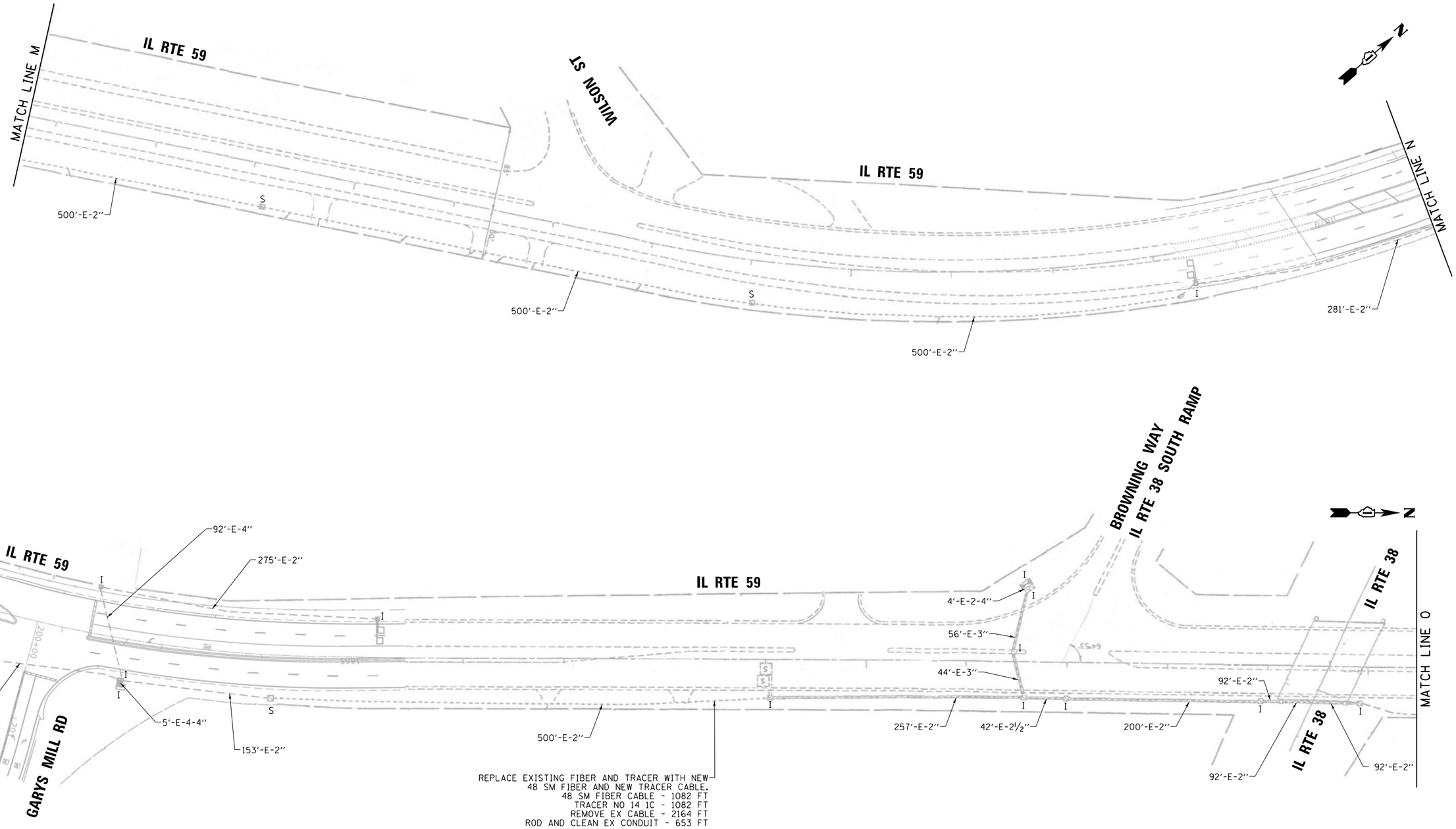
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT JOLIET ST/EDGEWOOD WALK

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	127
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\128_Interconnect Plan for IL-59 South to North.6dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
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PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

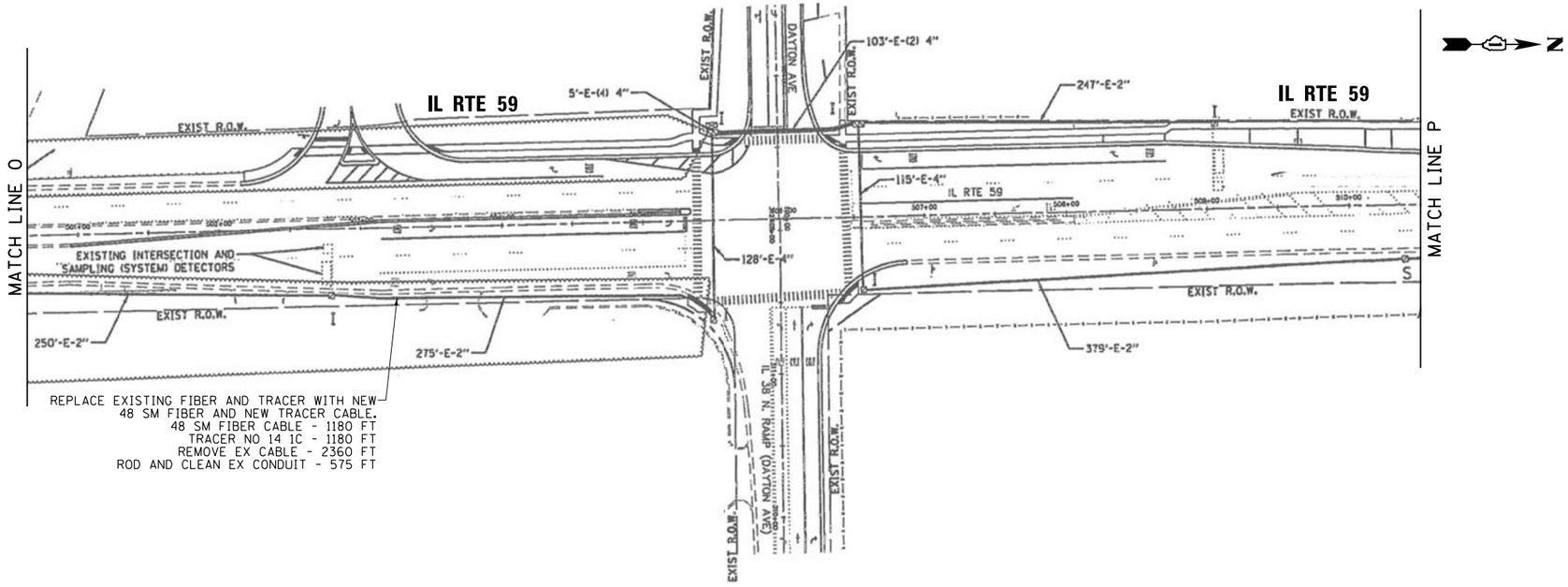
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT GARYS MILL RD AND BROWNING WAY

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	128
		CONTRACT NO. 62T53		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\129_Interconnect Plan for IL-59 South to North_7.dgn

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

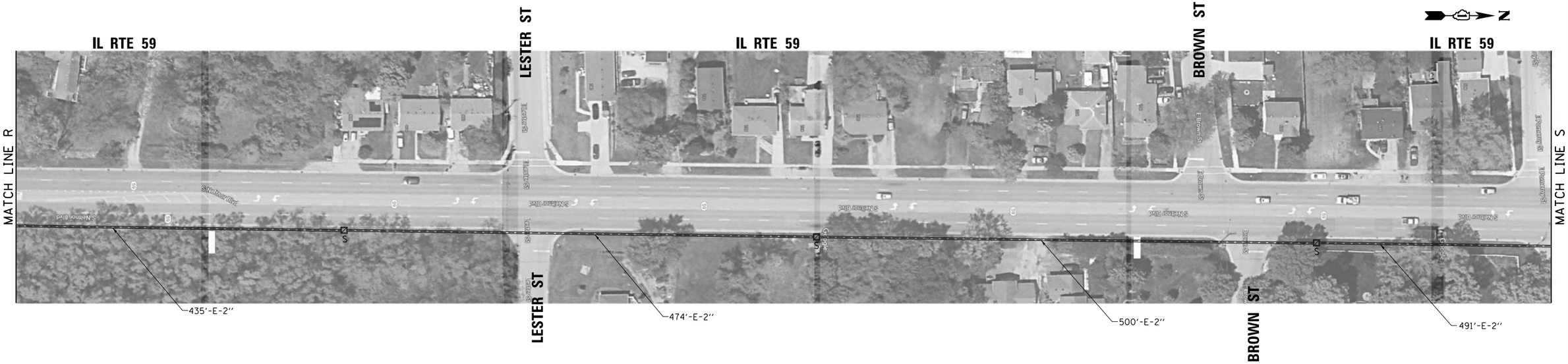
USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT BROWNING WAY AND DAYTON AVE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	129
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\130_Interconnect Plan for IL-59 South to North.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
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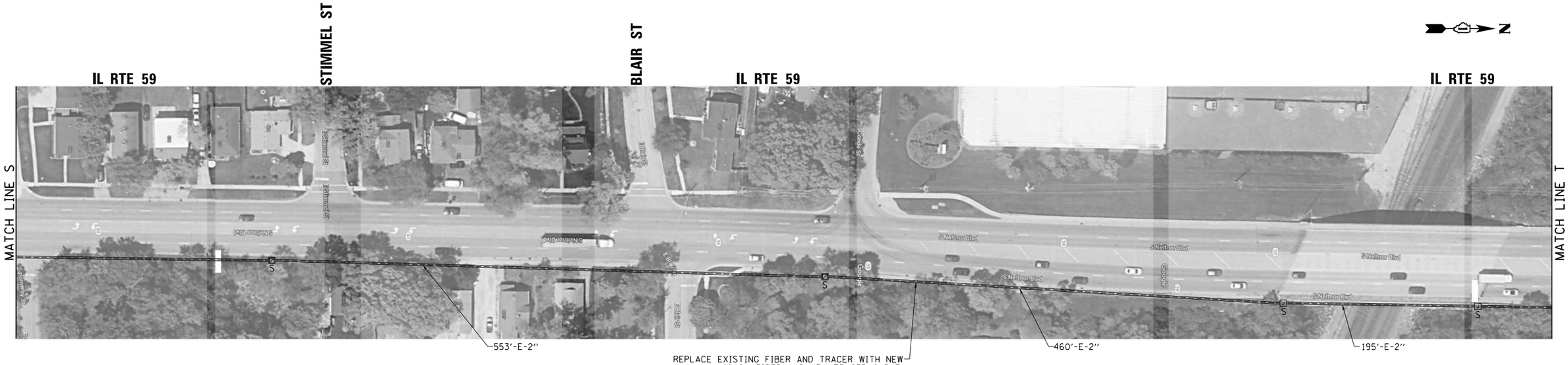
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT FOREST AVE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	130
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



REPLACE EXISTING FIBER AND TRACER WITH NEW
48 SM FIBER AND NEW TRACER CABLE.
48 SM FIBER CABLE - 4178 FT
TRACER NO 14 1C - 4178 FT
REMOVE EX CABLE - 8356 FT
ROD AND CLEAN EX CONDUIT - 3636 FT

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\131_Interconnect Plan for IL-59 South to North.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
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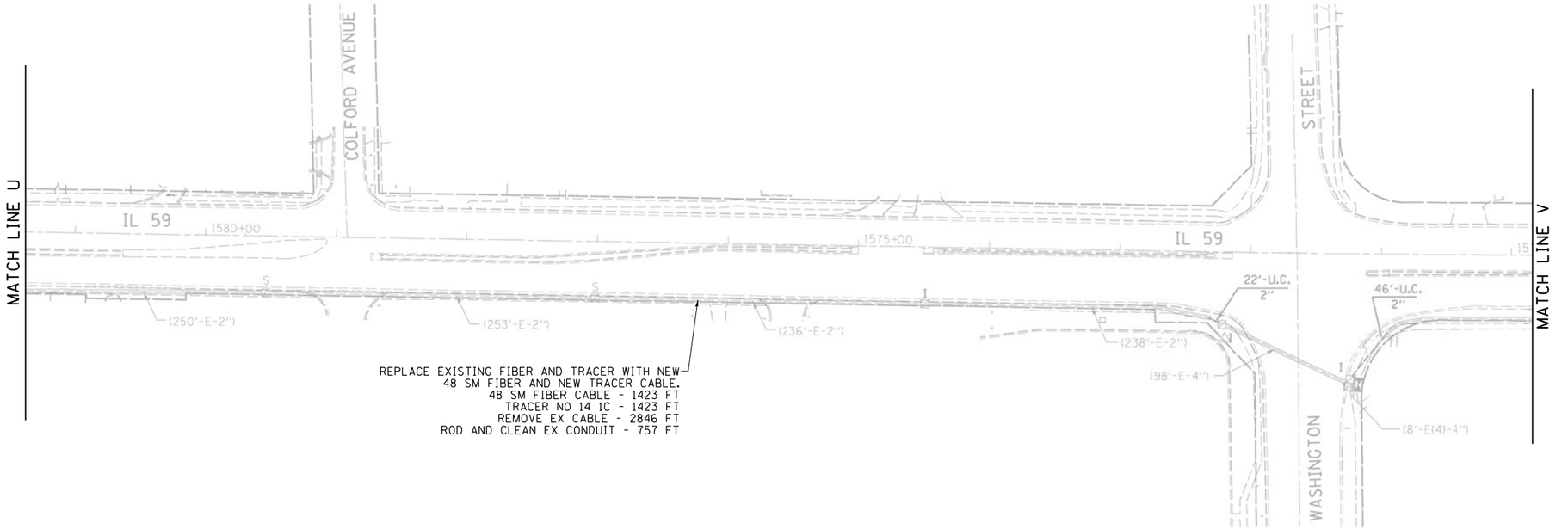
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT MAIN ST

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	131
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD_Sheets\132_Interconnect Plan for IL-59 South to North.10.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT MAIN ST AND WASHINGTON ST

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	132
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REPLACE EXISTING FIBER AND TRACER WITH NEW
48 SM FIBER AND NEW TRACER CABLE.
48 SM FIBER CABLE - 3815 FT
TRACER NO 14 1C - 3815 FT
REMOVE EX CABLE - 7630 FT
ROD AND CLEAN EX CONDUIT - 3371 FT

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

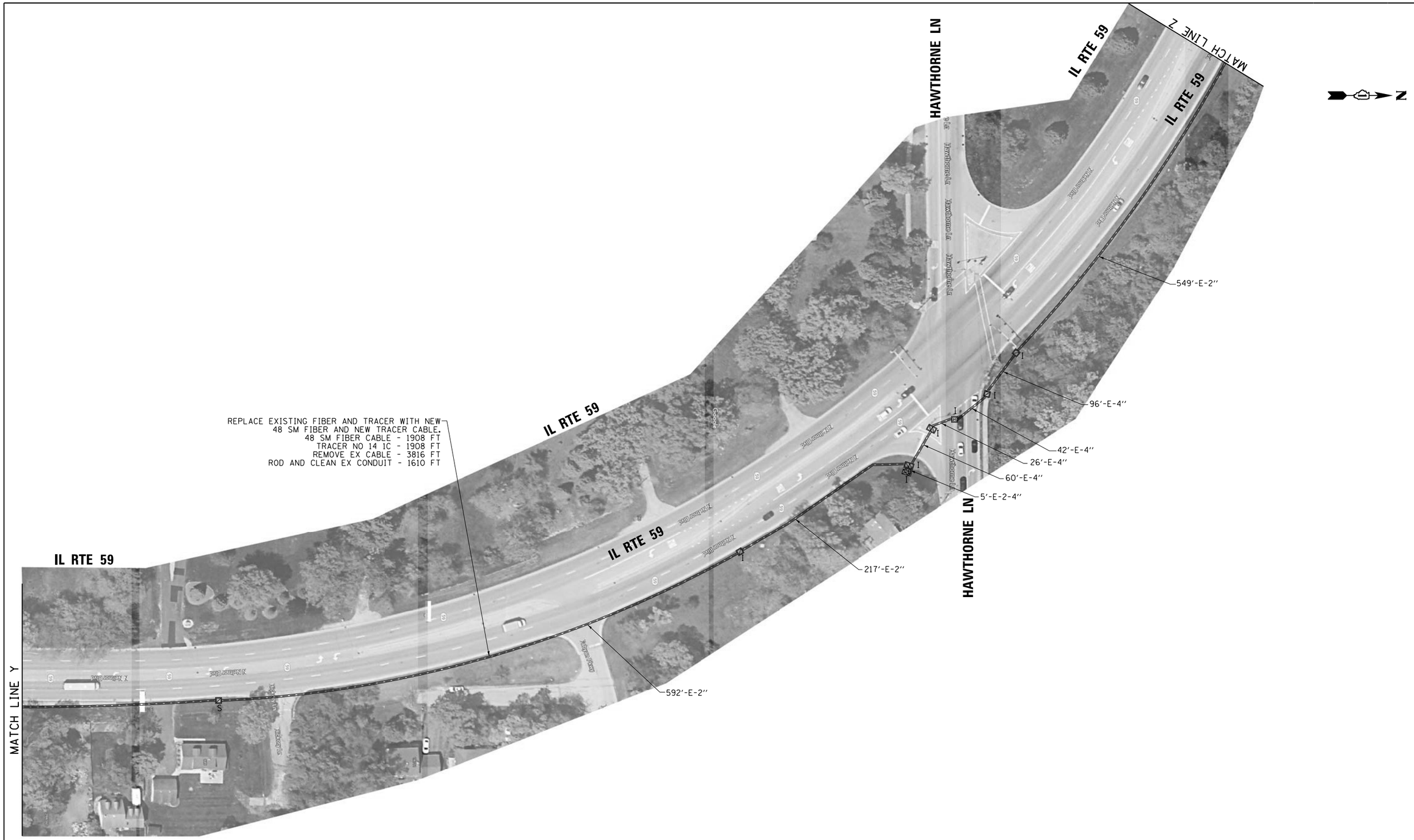
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT JAMES AVE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	133
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\133_Interconnect Plan for IL-59 South to North.ildgn



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD_Sheets\134_Interconnect Plan for IL-59 South to North_12.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

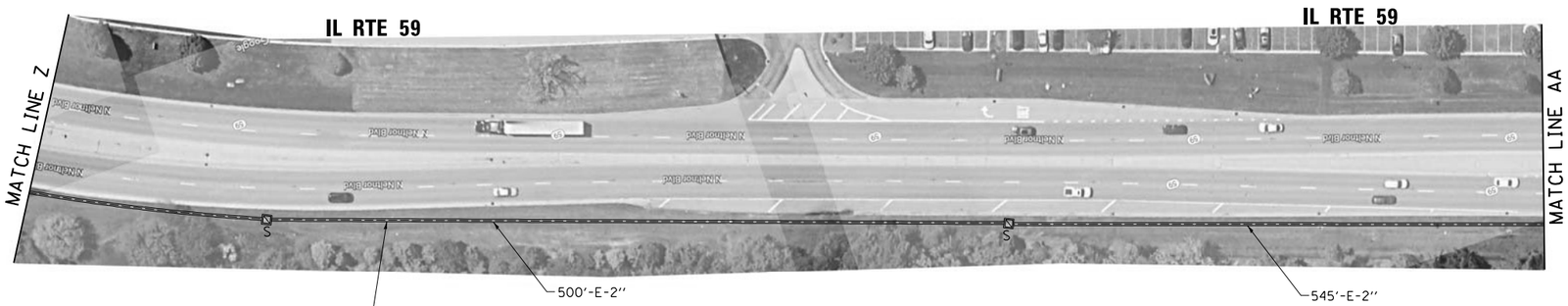
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT HAWTHORNE LN

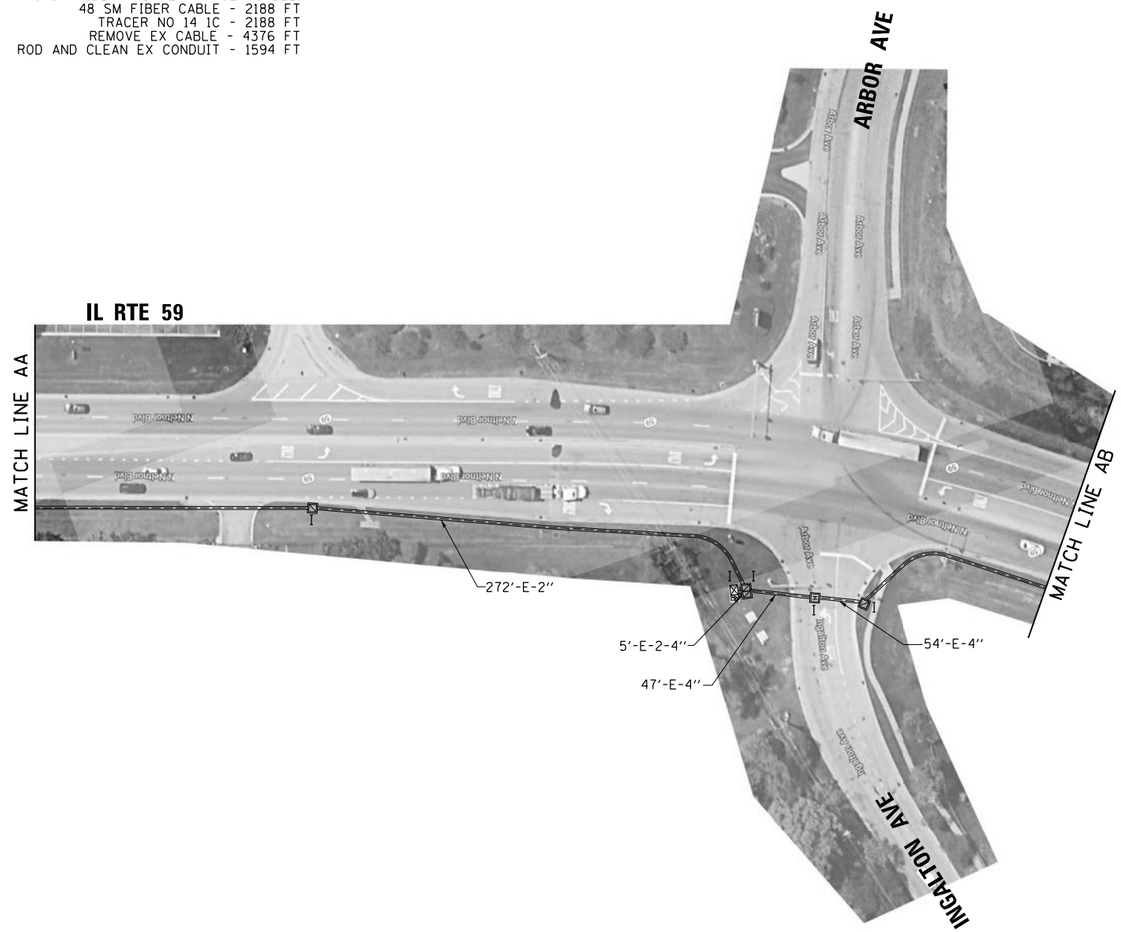
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	134
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



REPLACE EXISTING FIBER AND TRACER WITH NEW.
48 SM FIBER AND NEW TRACER CABLE.
48 SM FIBER CABLE - 2188 FT
TRACER NO 14 1C - 2188 FT
REMOVE EX CABLE - 4376 FT
ROD AND CLEAN EX CONDUIT - 1594 FT



IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\135_Interconnect Plan for IL-59 South to North.l3.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

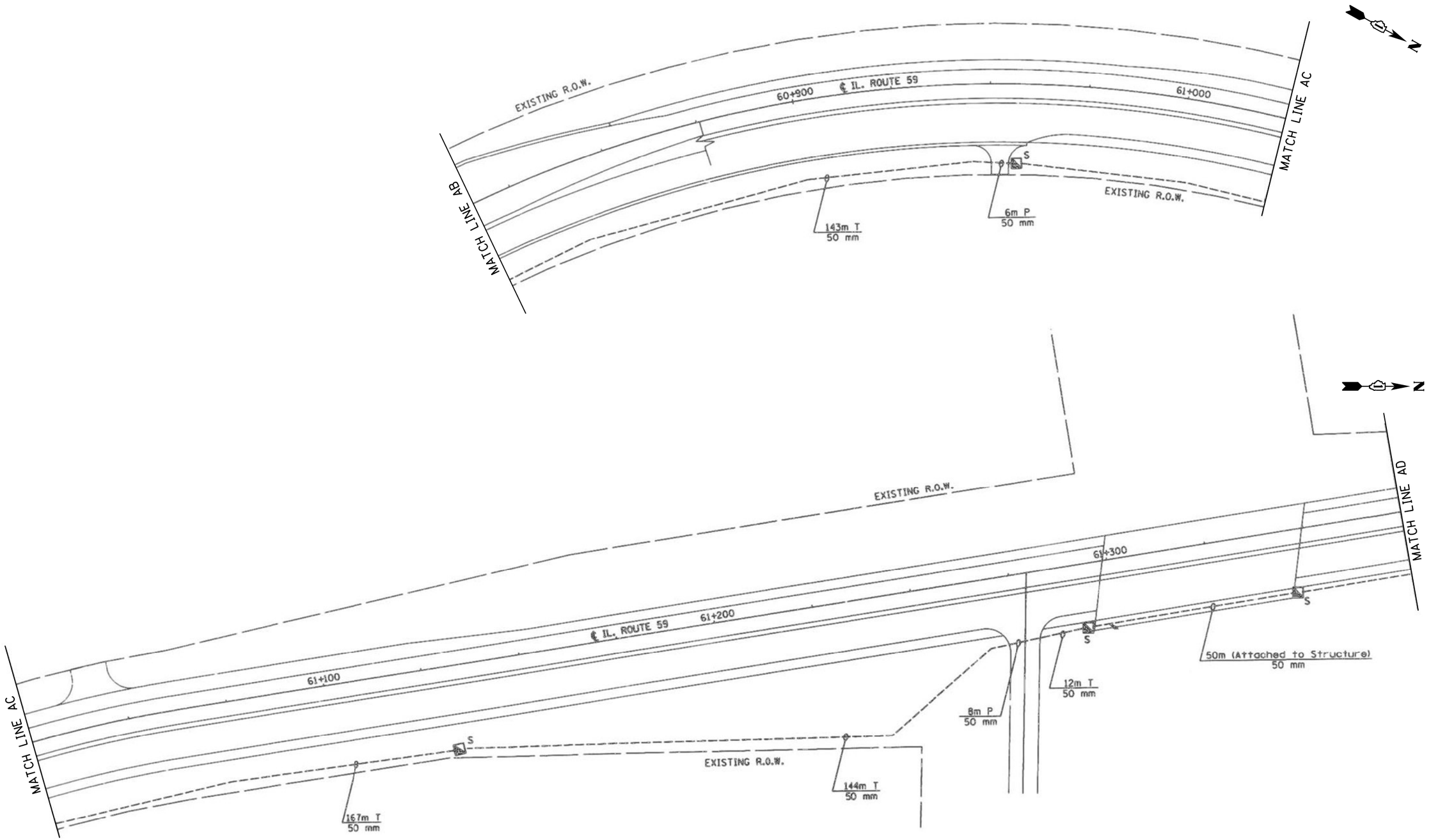
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT ARBOR AVE/INGALTON AVE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	135
		CONTRACT NO. 62T53		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\136_Interconnect Plan for IL-59 South to North.14.dgn

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

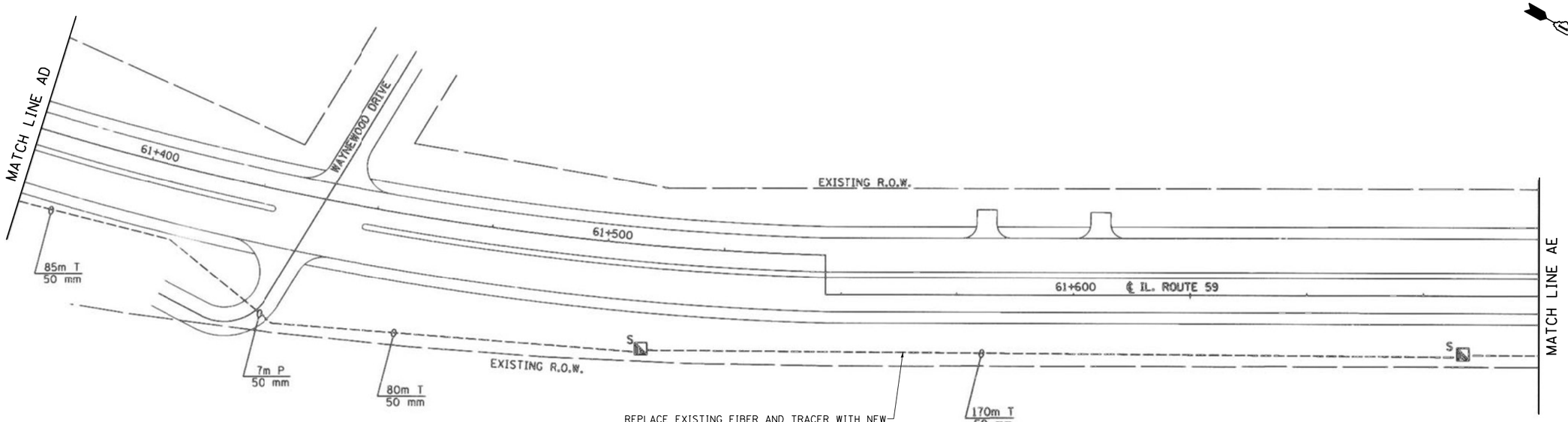
USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

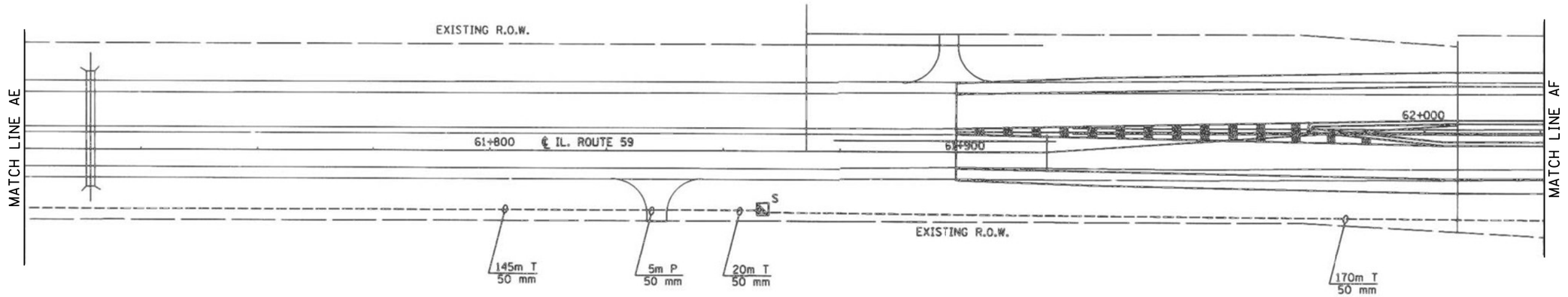
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT ARBOR AVE/NGALTON AVE

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	136
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\137-Interconnect Plan for IL-59 South to North.15.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

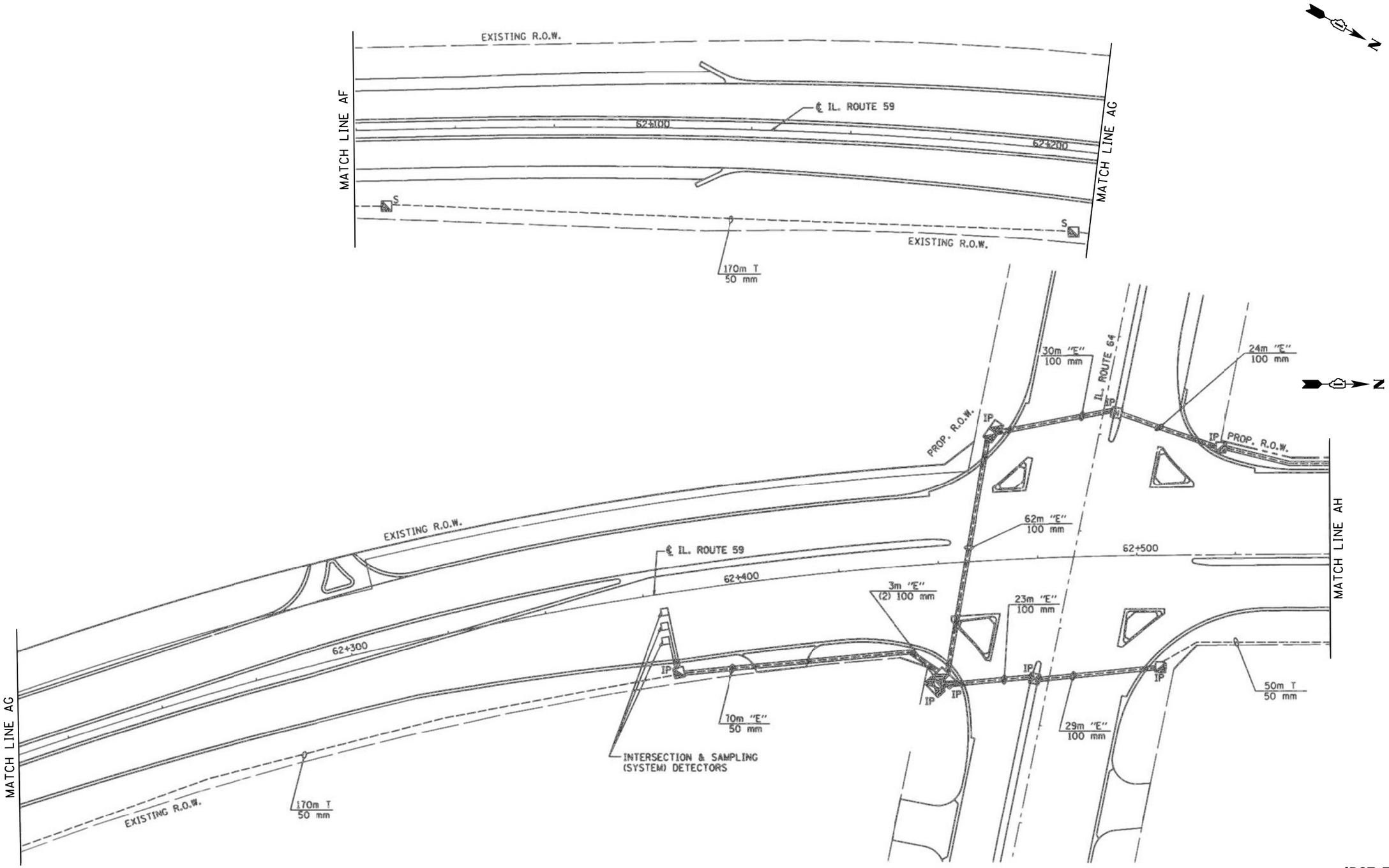
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT WAYNEWOOD DR

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	137
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\138_Interconnect Plan for IL-59 South to North-16.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

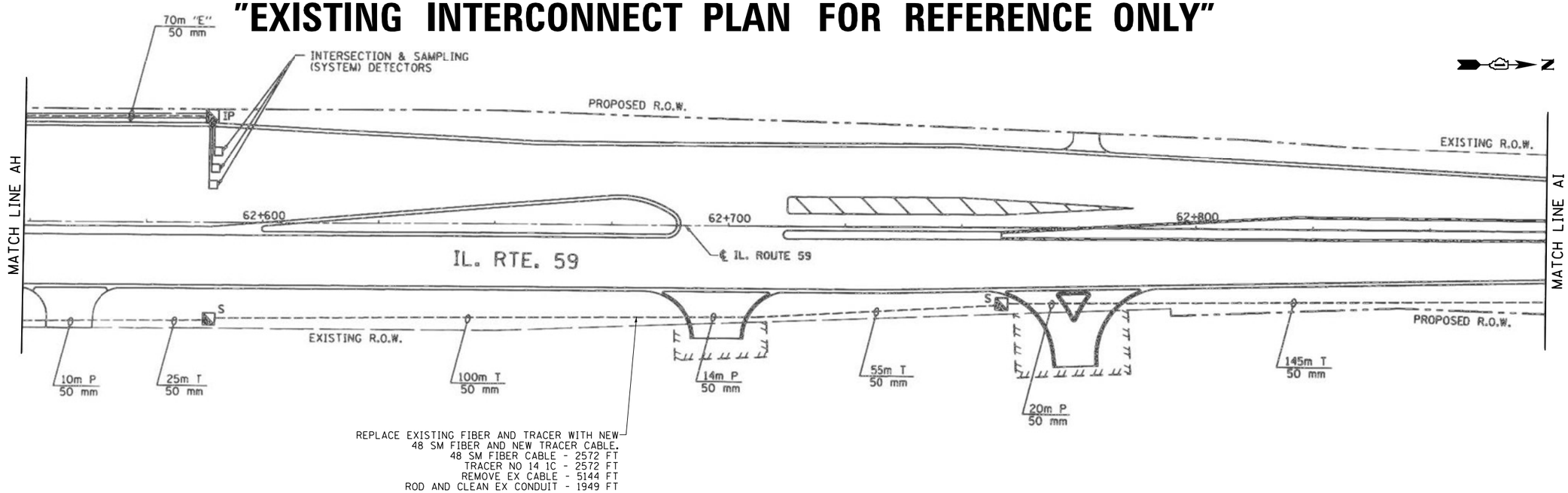
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

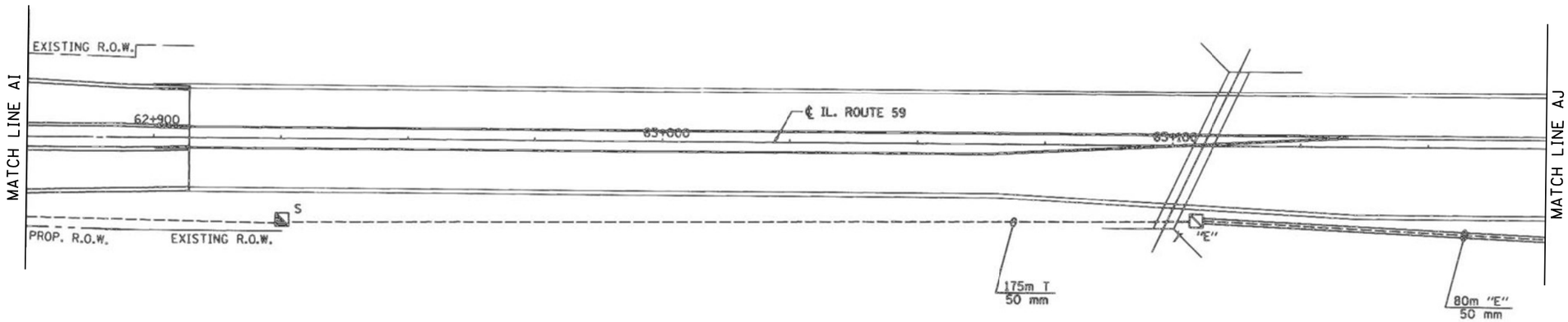
EXISTING INTERCONNECT PLAN
IL RTE 59 AT IL RTE 64 (NORTH AVE)

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	138
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



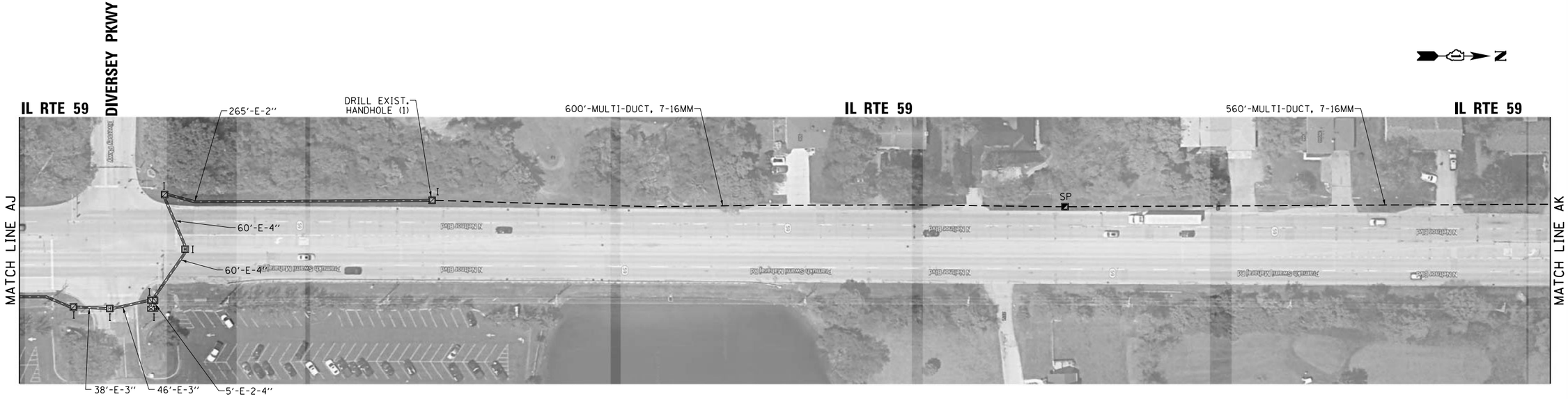


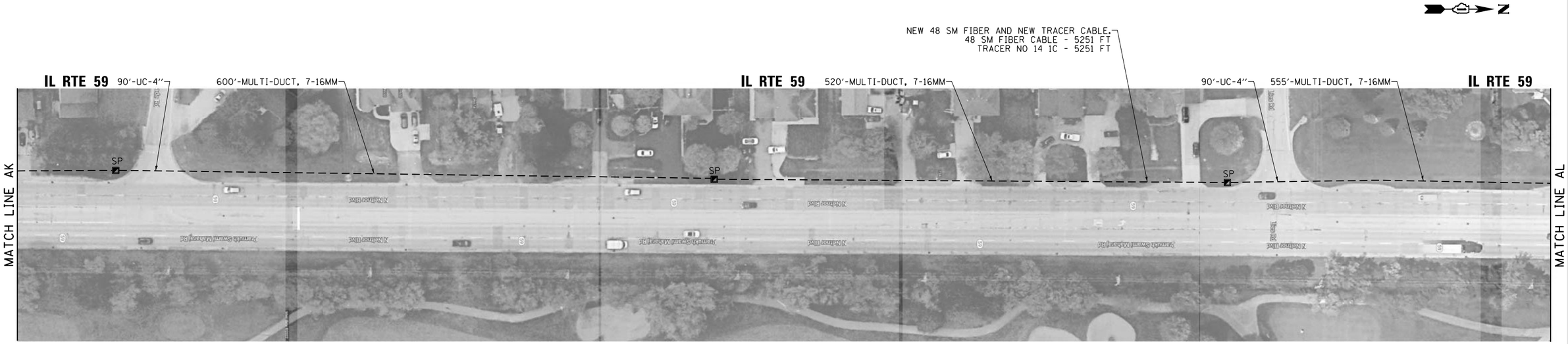
IDOT TACTICS
FORMER EAGLE 5A

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-518-Contracs Phase 3\CADD_Sheets\139_Interconnect Plan for IL-59 South to North.i7.dgn

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**EXISTING INTERCONNECT PLAN IL RTE 59 AT DIVERSEY PKWY**
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -		
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	139
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





IDOT CENTRACS

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\140_Interconnect Plan for IL-59 South to North.18.dgn

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

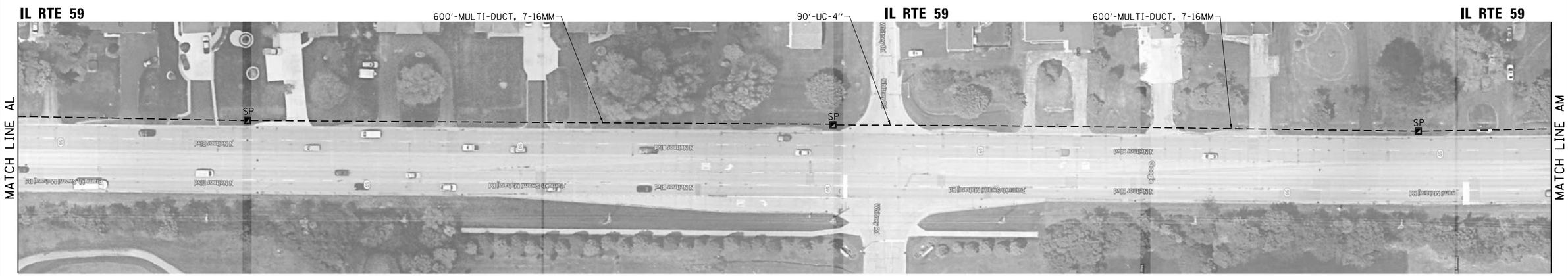
USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

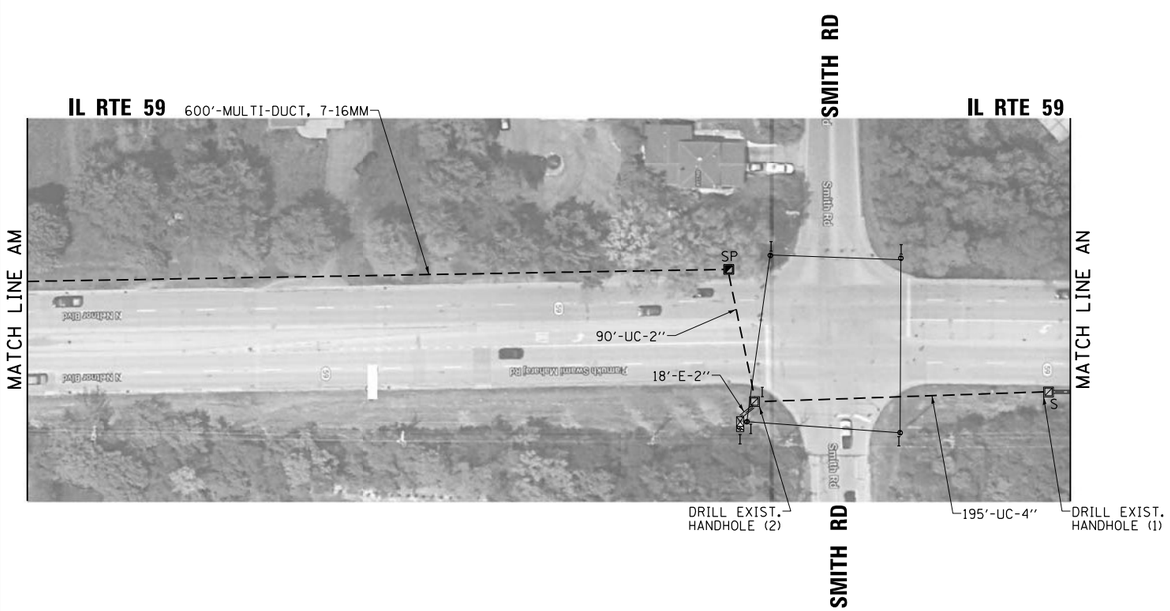
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL RTE 59 AT DIVERSEY PKWY

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	140
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





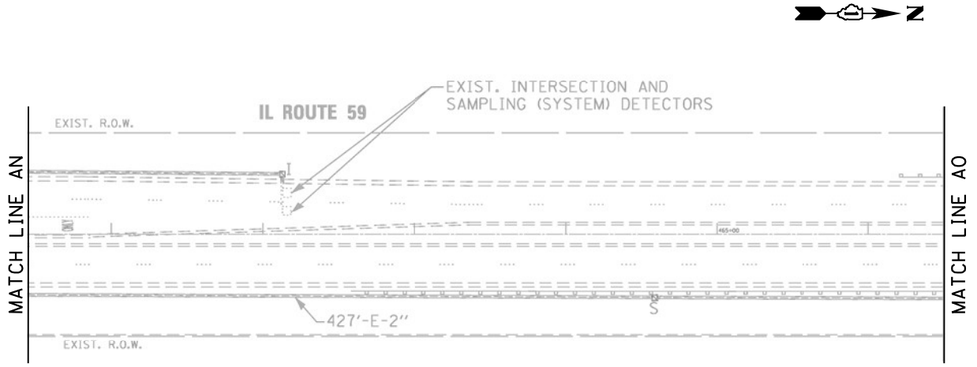
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\141_Interconnect Plan for IL-59 South to North.19.dgn

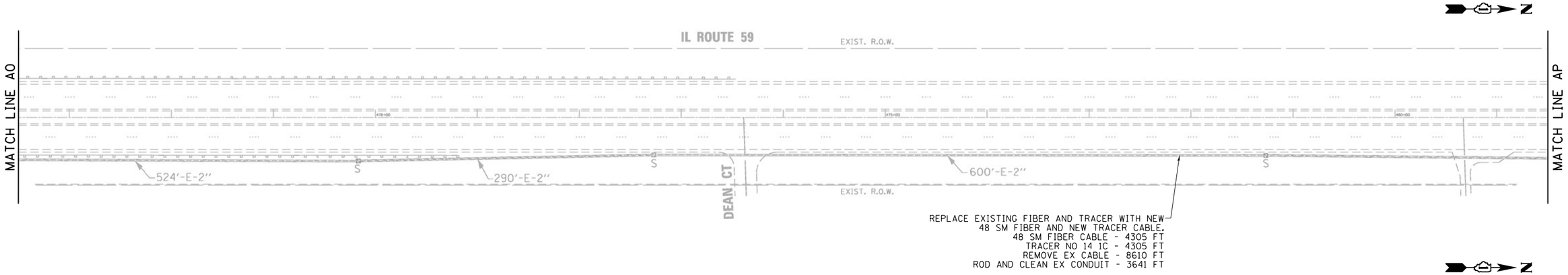
IDOT CENTRACS

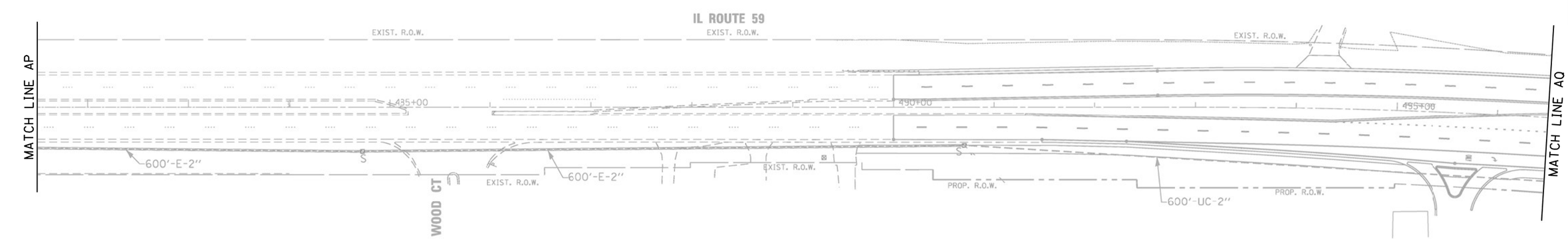
GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN IL RTE 59 AT SMITH RD
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -		
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	141
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"







IDOT CENTRACS
FORMER ECON 116

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\142-Interconnect Plan for IL-59 South to North-20.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

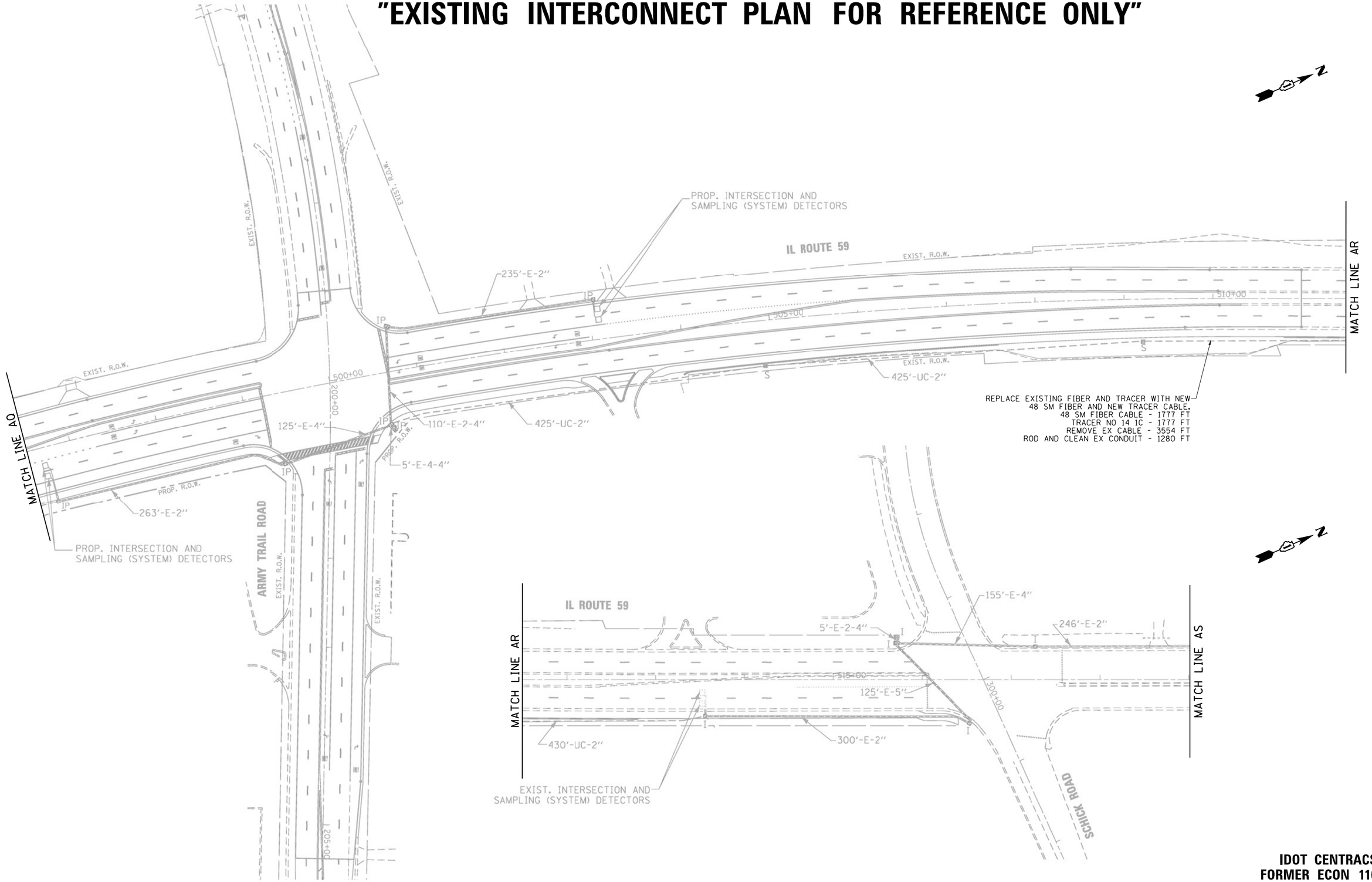
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT SMITH RD

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	142
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



IDOT CENTRACS
FORMER ECON 116

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\143_Interconnect Plan for IL-59 South to North_21.dgn

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:/773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
		DRAWN - EA, AV	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

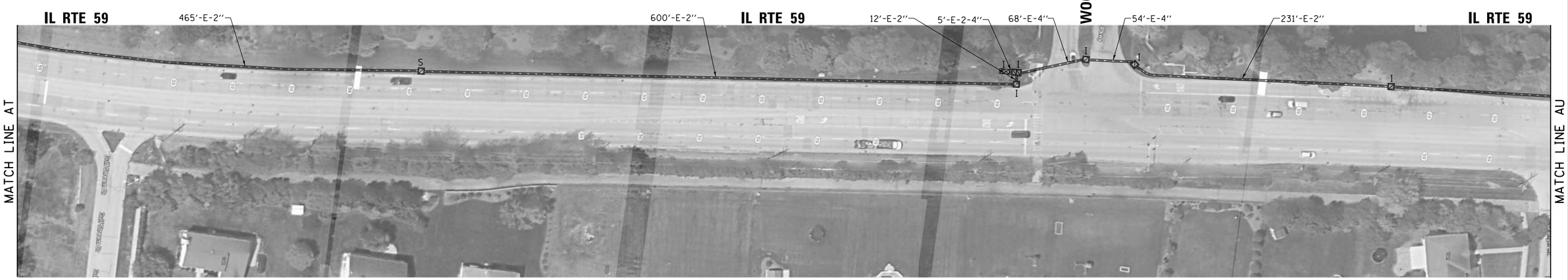
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT ARMY TRAIL RD AND SCHICK RD

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	143
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REPLACE EXISTING FIBER AND TRACER WITH NEW
48 SM FIBER AND NEW TRACER CABLE.
48 SM FIBER CABLE - 2331 FT
TRACER NO 14 1C - 2331 FT
REMOVE EX CABLE - 4662 FT
ROD AND CLEAN EX CONDUIT - 1833 FT



IDOT CENTRACS
FORMER ECON 116

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\144_Interconnect Plan for IL-59 South to North_22.dgn

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

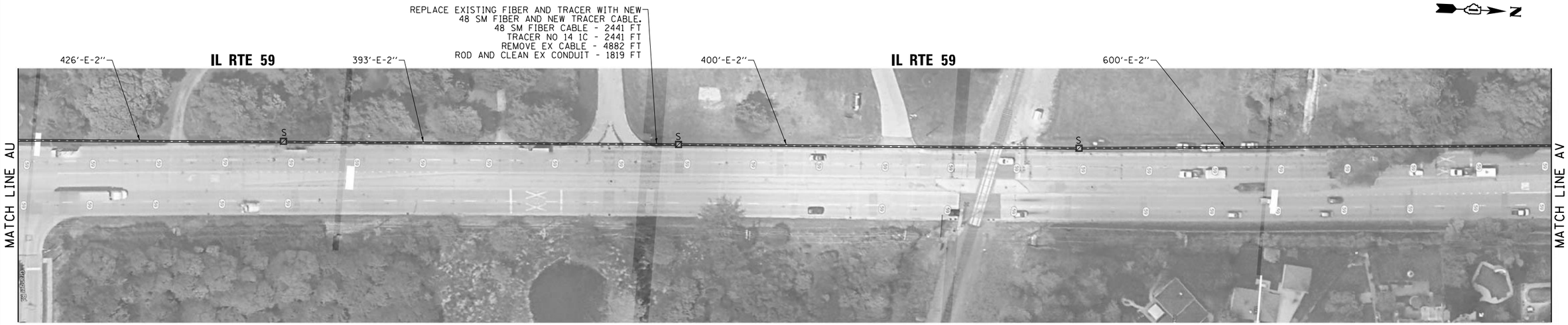
USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

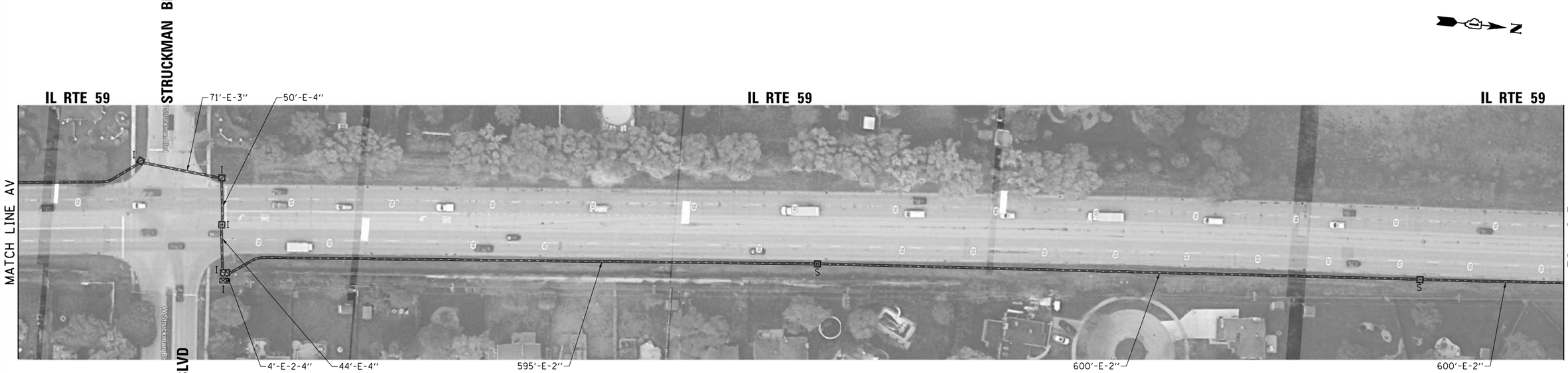
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT SCHICK RD AND WOODLAND HILLS PKWY

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	144
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





IDOT CENTRACS
FORMER ECON 116

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\145_Interconnect Plan for IL-59 South to North-23.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT STRUCKMAN BLVD

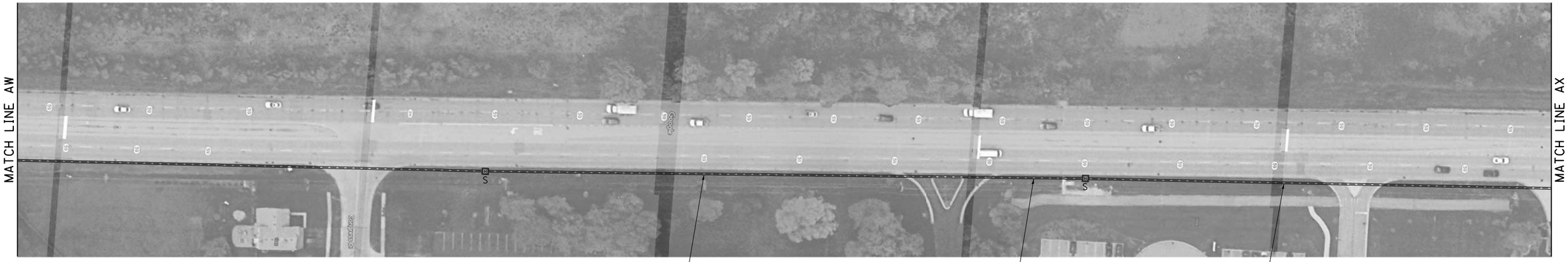
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	145
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

N

IL RTE 59

MATCH LINE AW



MATCH LINE AX

IL RTE 59

600'-E-2''

480'-E-2''

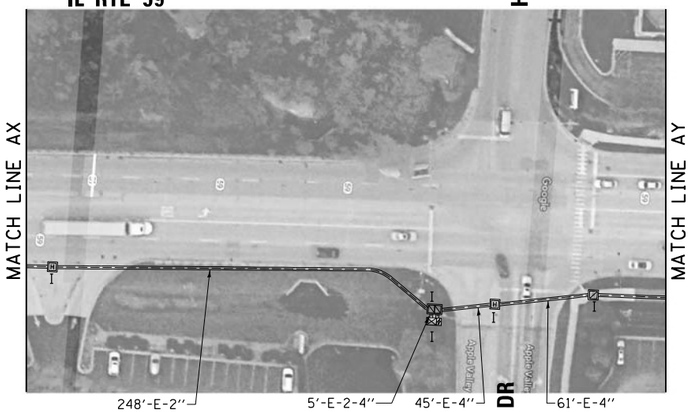
REPLACE EXISTING FIBER AND TRACER WITH NEW
48 SM FIBER AND NEW TRACER CABLE.
48 SM FIBER CABLE - 3201 FT
TRACER NO 14 1C - 3201 FT
REMOVE EX CABLE - 6402 FT
ROD AND CLEAN EX CONDUIT - 2875 FT

HOME DEPOT ENT

N

IL RTE 59

MATCH LINE AX



MATCH LINE AY

248'-E-2''

5'-E-2-4''

45'-E-4''

61'-E-4''

APPLE VALLEY DR

IDOT CENTRACS
FORMER ECON 116

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\146_Interconnect Plan for IL-59 South to North_24.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

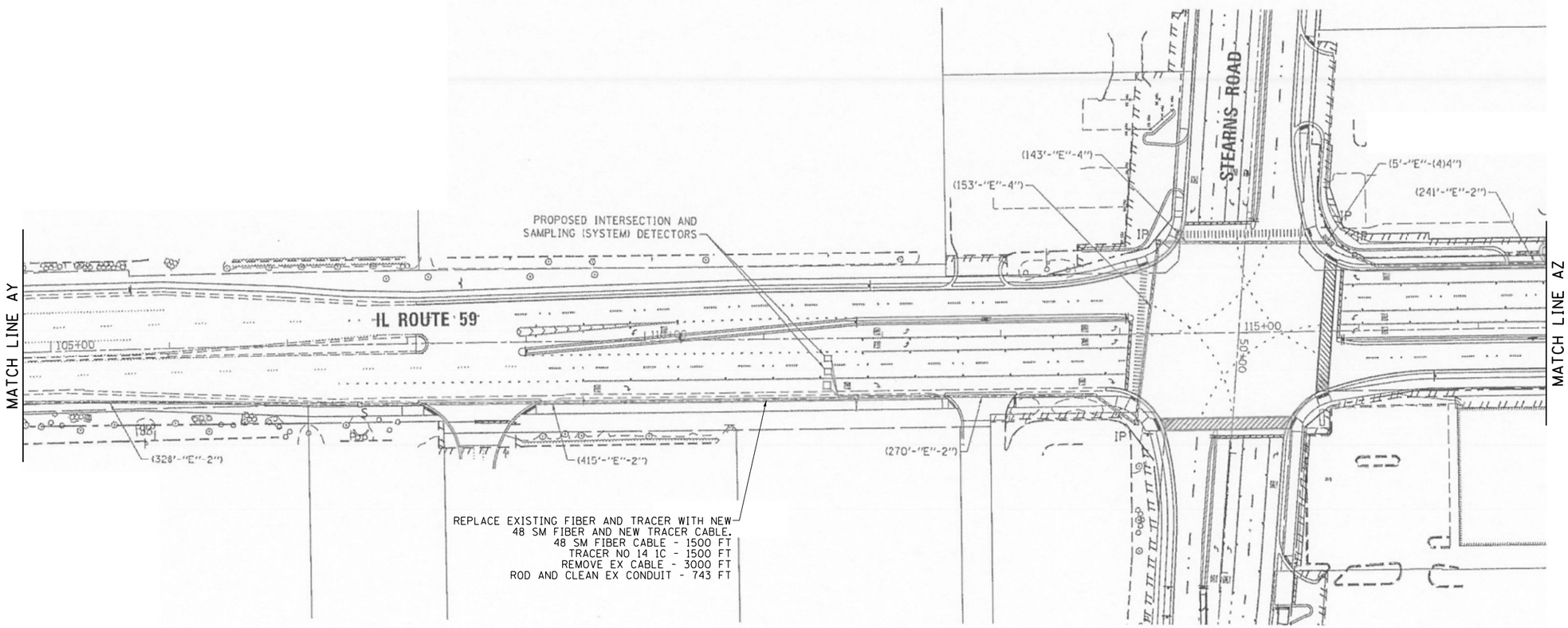
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT APPLE VALLEY DR

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	146
		CONTRACT NO. 62T53		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 116

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\147_Interconnect Plan For IL-59 South to North_25.dgn

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

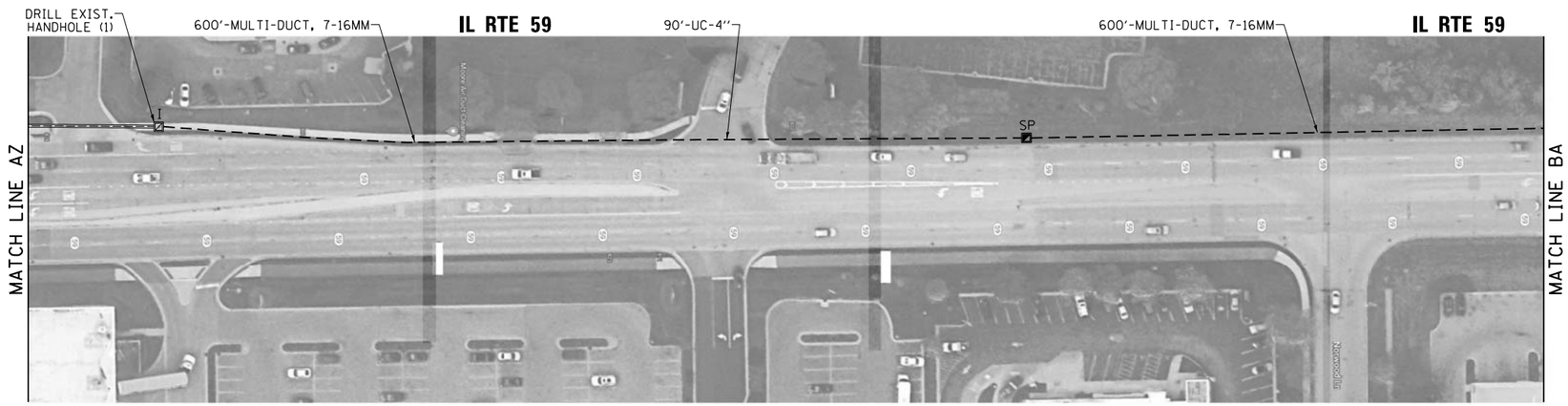
USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

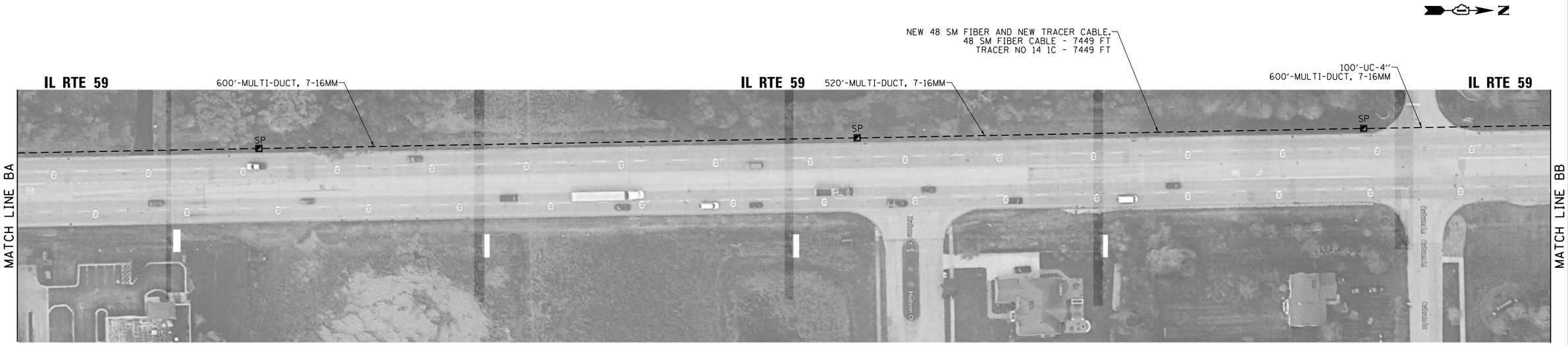
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT APPLE VALLEY DR AND STEARNS RD

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	147
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





IDOT CENTRACS

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\148_Interconnect Plan for IL-59 South to North Stearns Rd to W Bartlett Rd.dgn

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

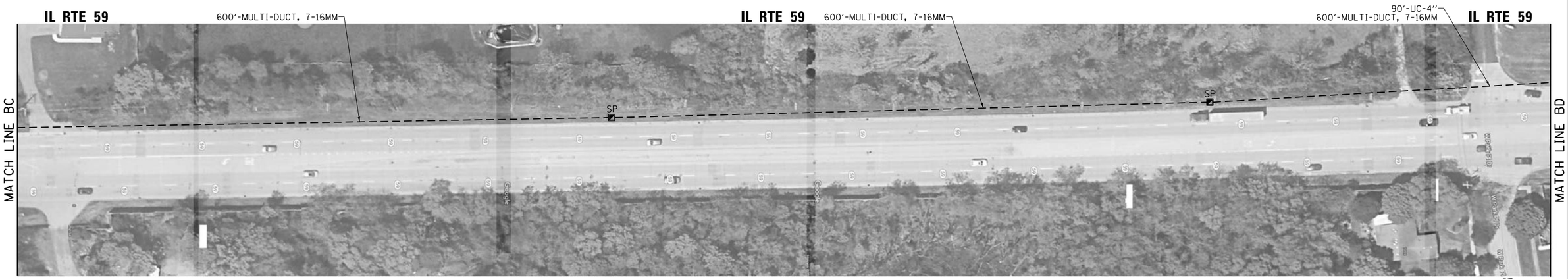
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL RTE 59 AT STEARNS RD

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	148
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

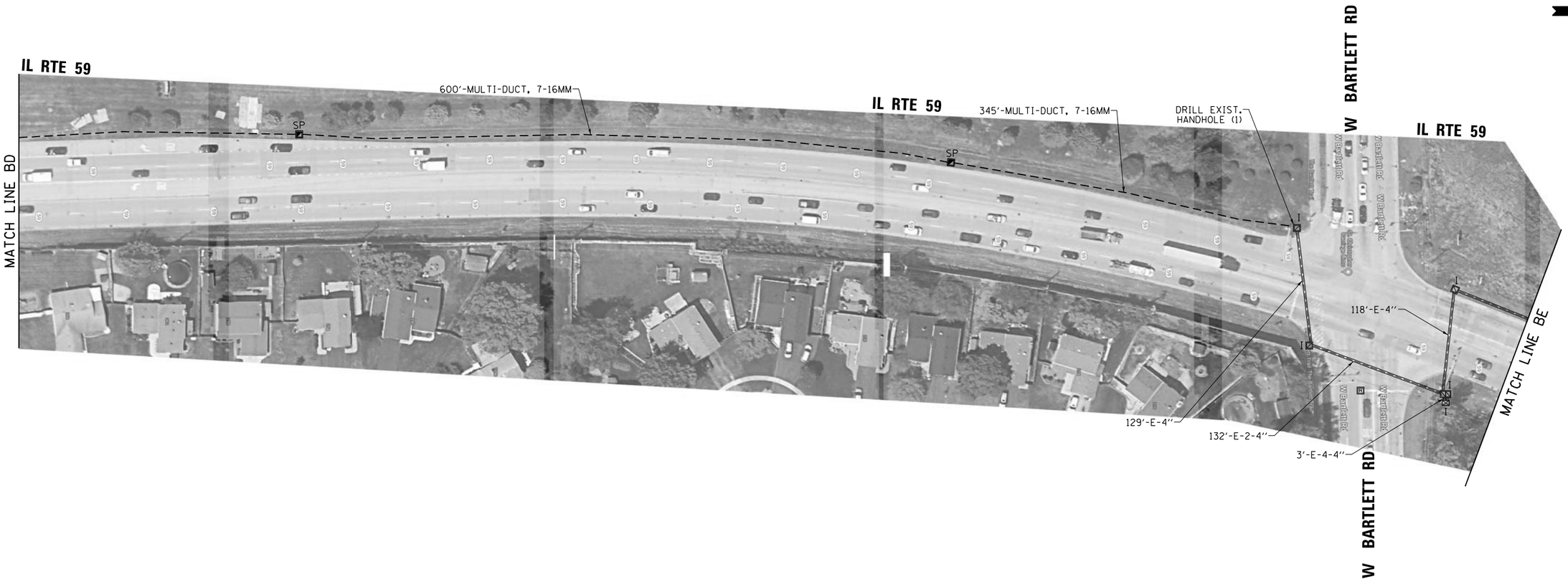


IDOT CENTRACS

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD Sheets\149_Interconnect Plan for IL-59 South to North-Stearns Rd to W Bartlett Rd.2.dgn

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:/773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN IL RTE 59 AT SANTA FE ST AND PARK PL DR
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -		
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	149
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



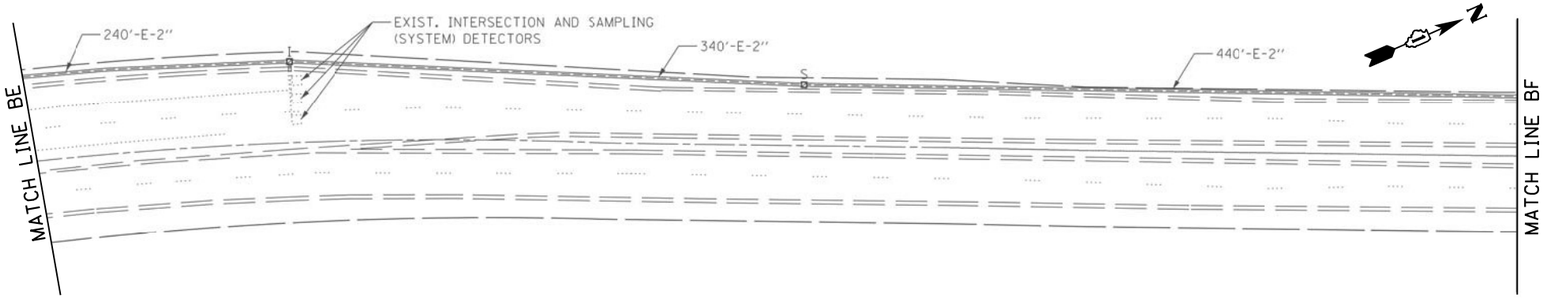
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\150_Interconnect Plan for IL-59 South to North-Stearns Rd to W Bartlett Rd.3.dgn

IDOT CENTRACS

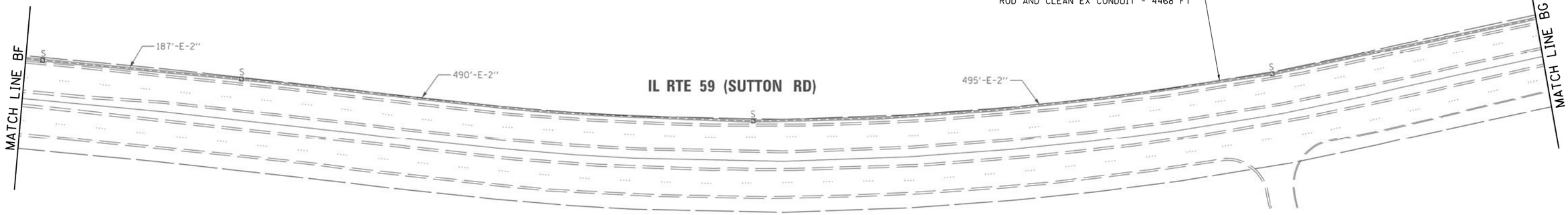
GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:(773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN IL RTE 59 AT W BARTLETT RD
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -		
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

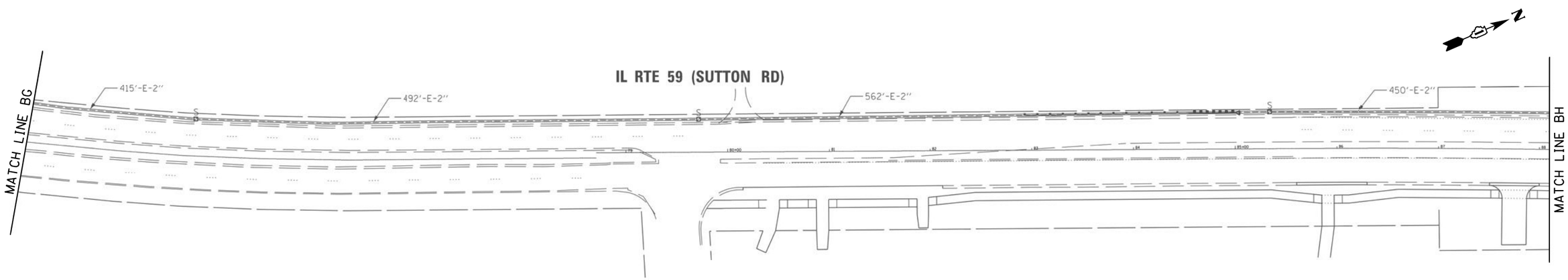
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	150
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



REPLACE EXISTING FIBER AND TRACER WITH NEW
48 SM FIBER AND NEW TRACER CABLE.
48 SM FIBER CABLE - 4943 FT
TRACER NO 14 1C - 4943 FT
REMOVE EX CABLE - 9886 FT
ROD AND CLEAN EX CONDUIT - 4468 FT





IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\P-rojects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\151_Interconnect Plan For IL-59 South to North_W Bartlett Rd to IL Rte 58.4.dgn

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

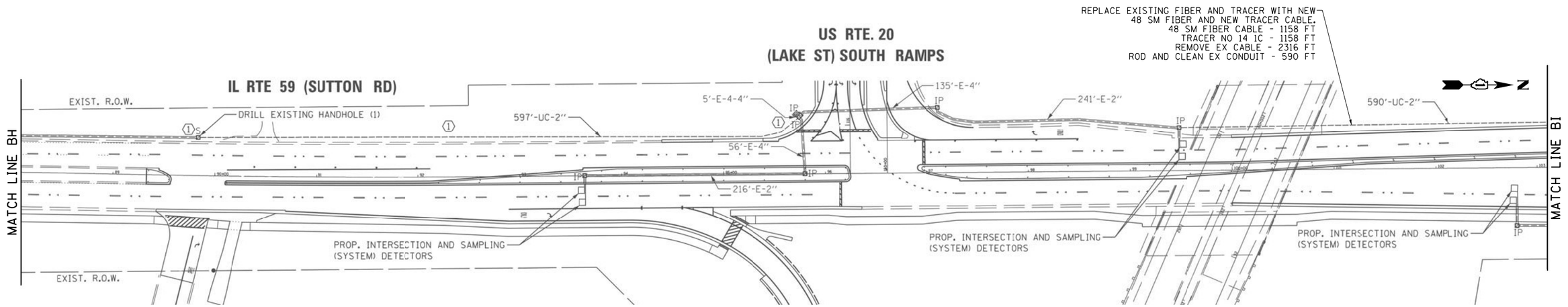
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

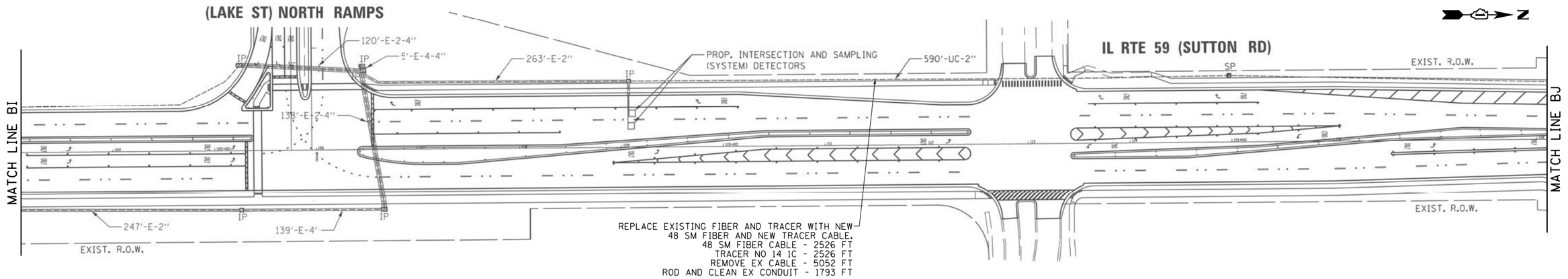
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

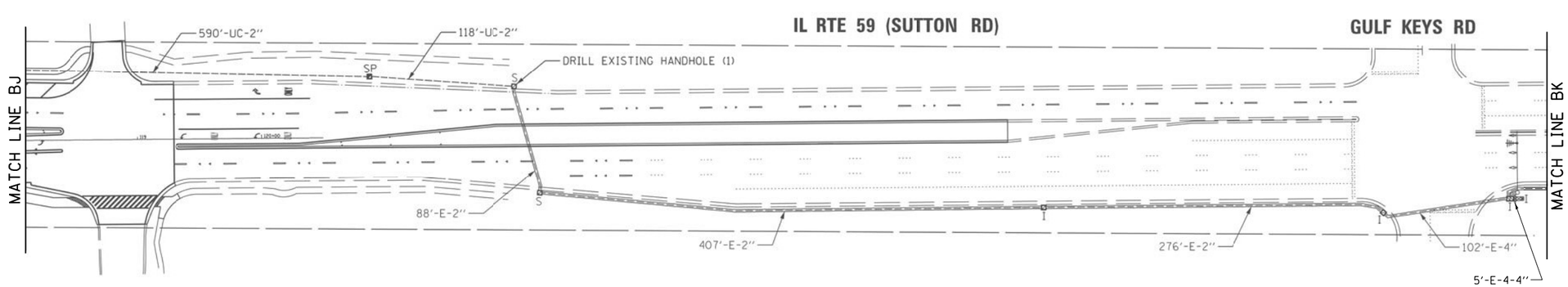
EXISTING INTERCONNECT PLAN
IL RTE 59 AT WEST BARTLETT RD

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	151
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		







"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD_Sheets\152_Interconnect Plan for IL-59 South to North_W Bartlett Rd to IL Rte 58_5.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

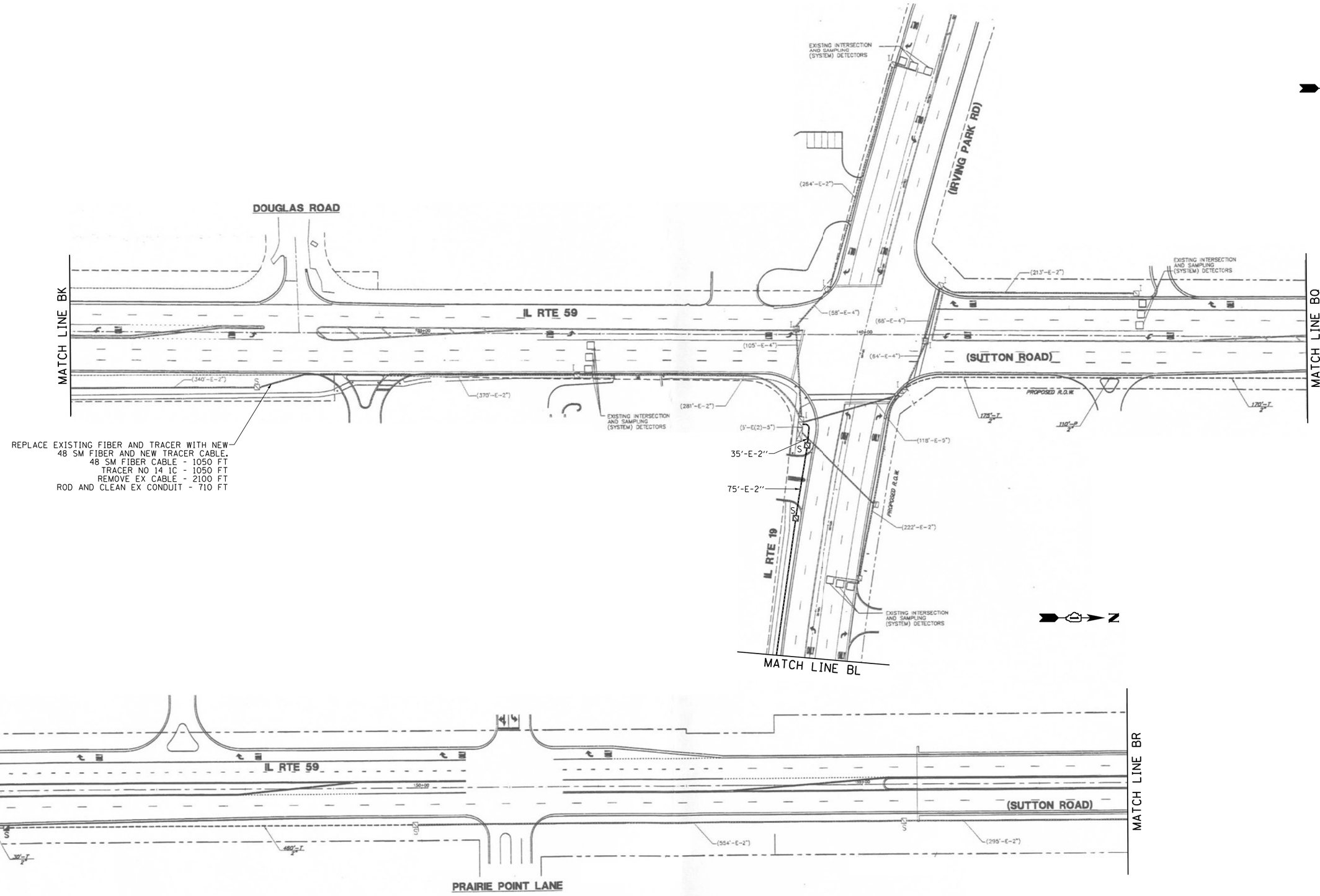
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT US RTE 20 SOUTH RAMPS AND
US RTE 20 NORTH RAMPS AND GULF KEYS RD

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	152
		CONTRACT NO. 62T53		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5N

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
		DRAWN - EA, AV	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

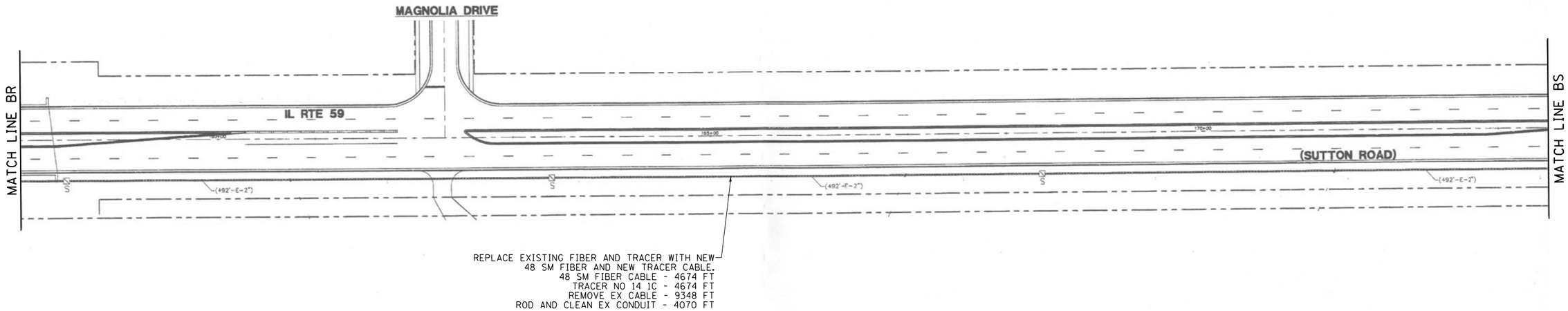
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

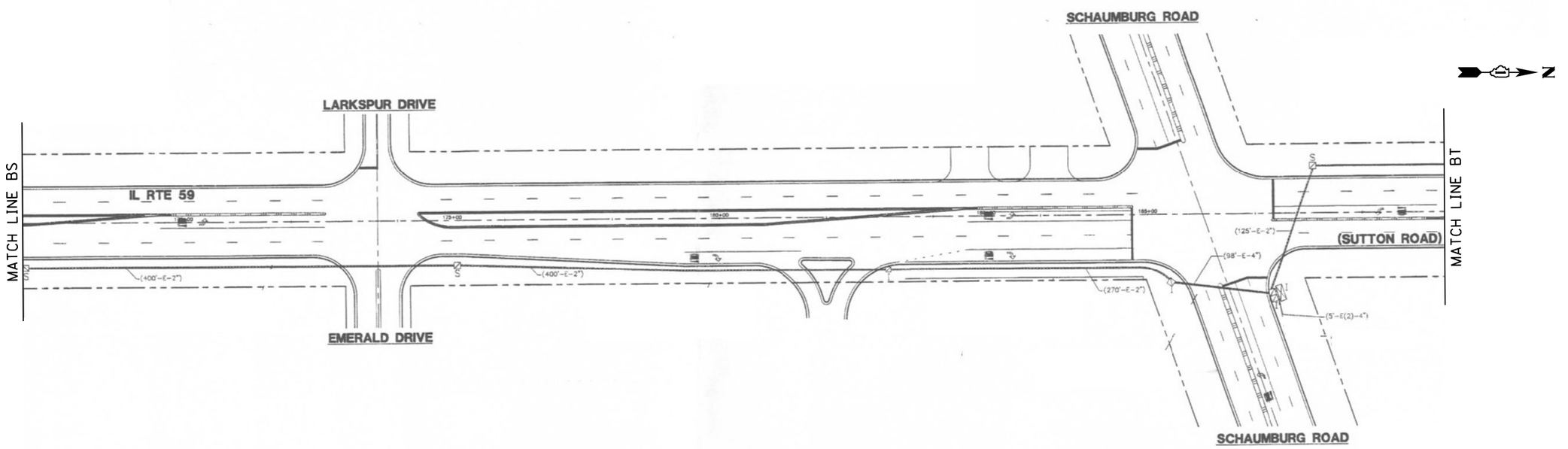
EXISTING INTERCONNECT PLAN
IL RTE 59 AT IL RTE 19 (IRVING PARK RD)

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	153
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\153_Interconnect Plan for IL-59 South to North_W Bartlett Rd to IL Rte 58_6.dgn





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5N

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

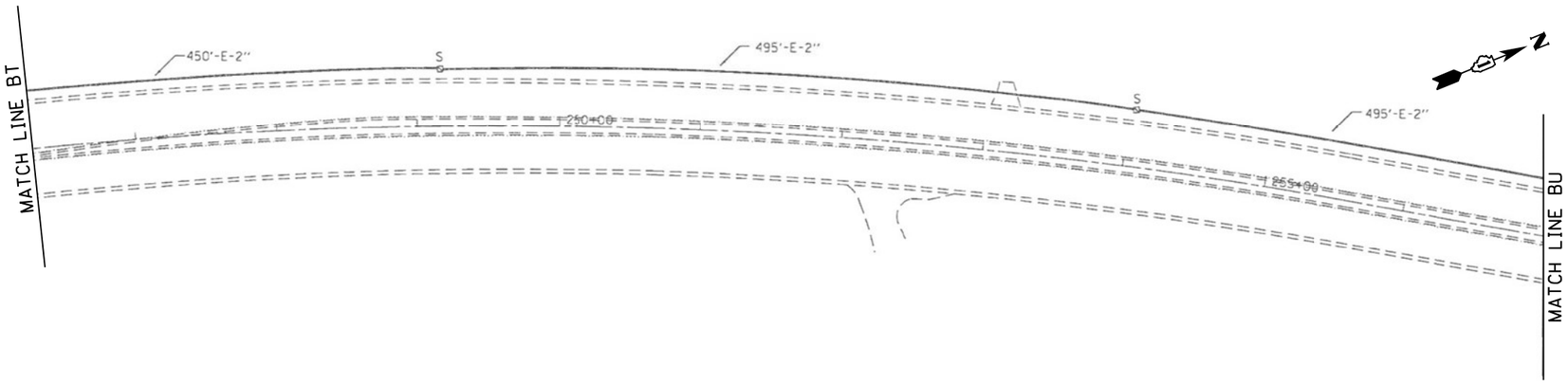
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

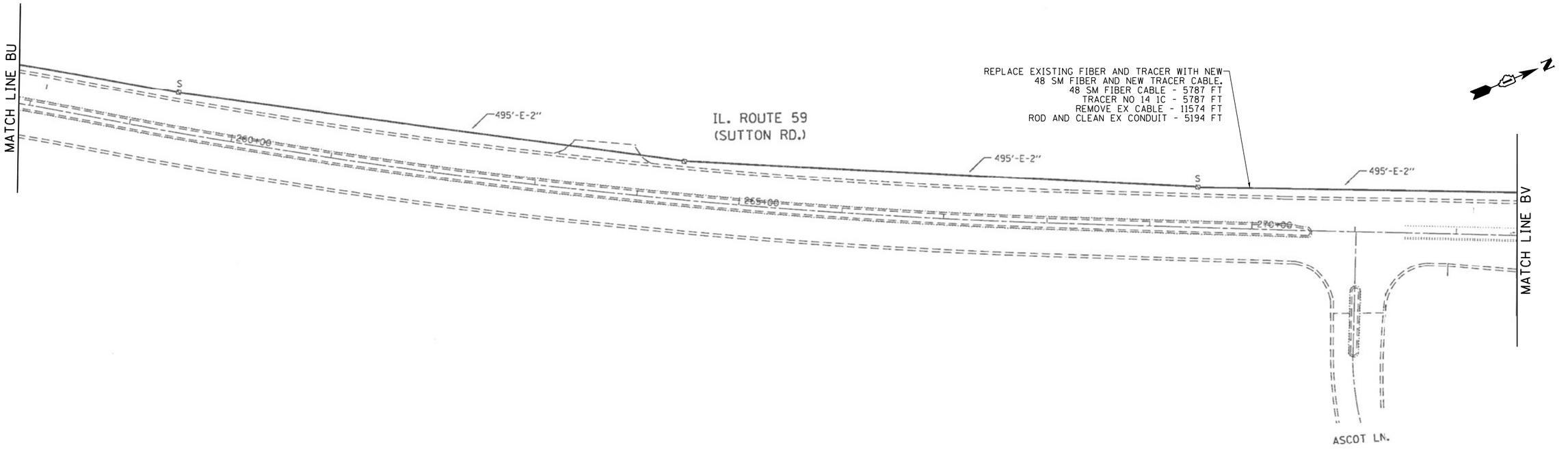
EXISTING INTERCONNECT PLAN
IL RTE 59 AT SCHAUMBURG RD

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	154
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\154_Interconnect Plan for IL-59 South to North_W Bartlett Rd to IL Rte 58.7.dgn





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\155_Interconnect Plan for IL-59 South to North_W Bartlett Rd to IL Rte 58_8.dgn

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

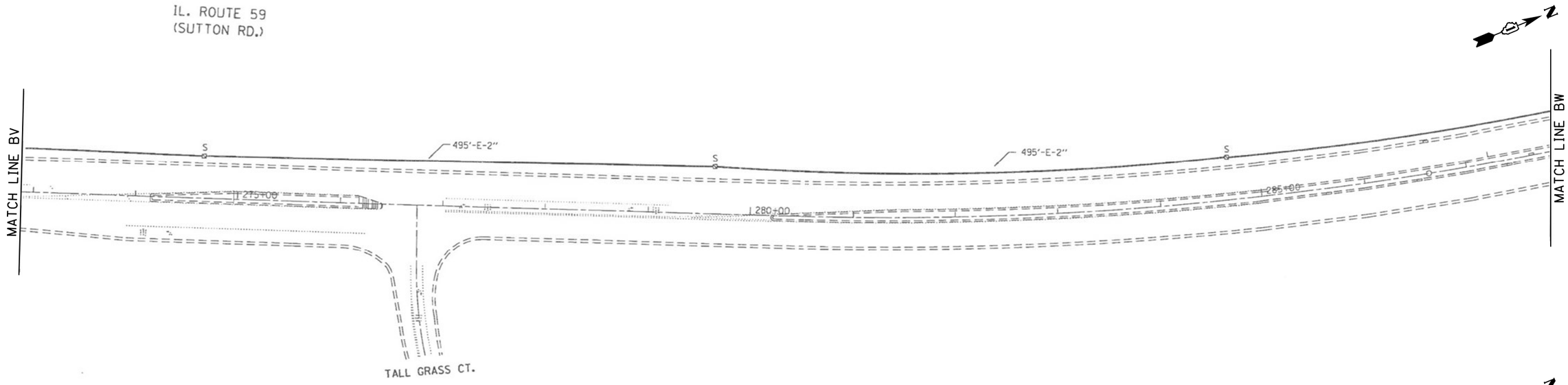
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

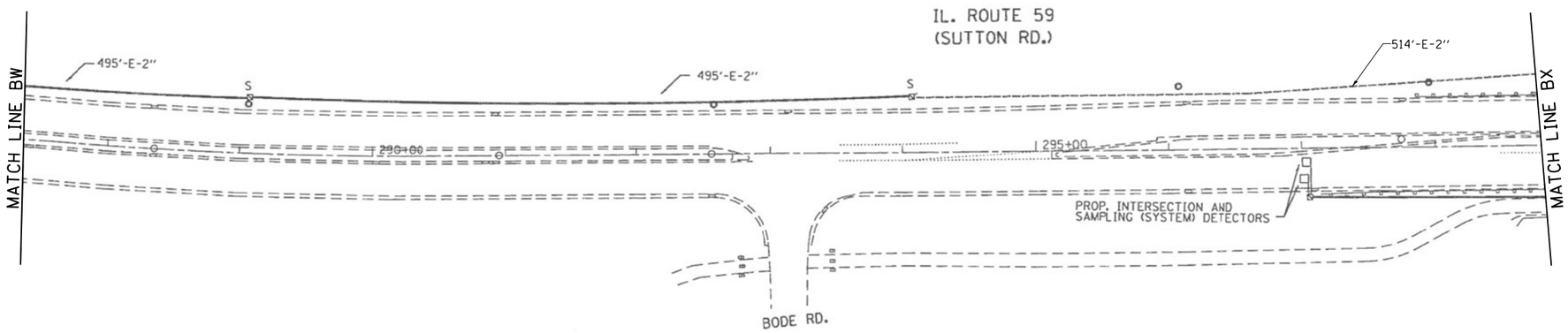
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT SCHAUMBURG RD

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	155
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\156_Interconnect Plan for IL-59 South to North_W Bartlett Rd to IL Rte 58_9.dgn

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

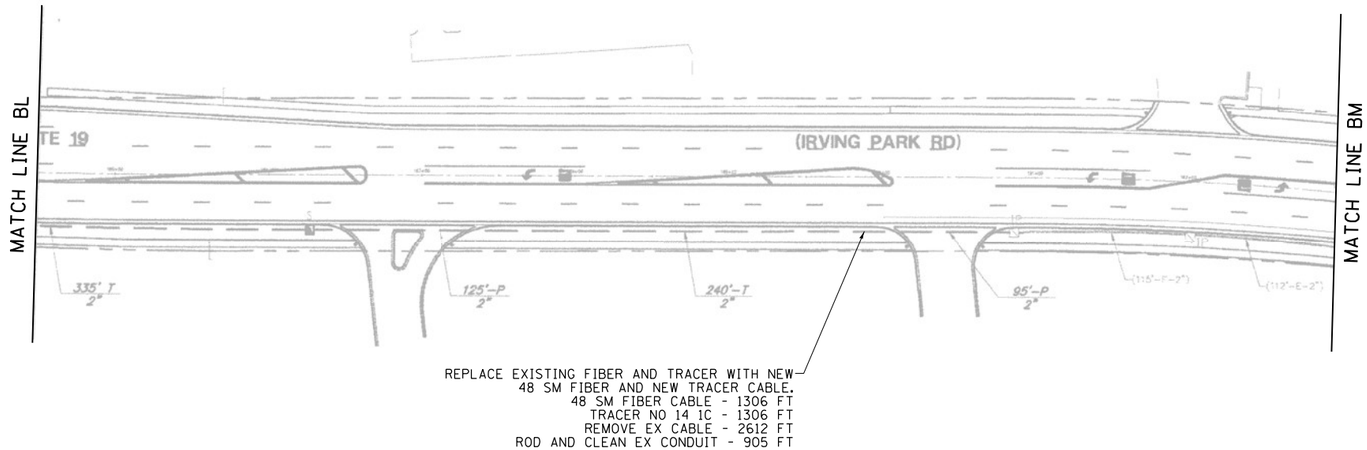
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT IL RTE 58 (GOLF RD)

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	156
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



REPLACE EXISTING FIBER AND TRACER WITH NEW
48 SM FIBER AND NEW TRACER CABLE.
48 SM FIBER CABLE - 1306 FT
TRACER NO 14 1C - 1306 FT
REMOVE EX CABLE - 2612 FT
ROD AND CLEAN EX CONDUIT - 905 FT

N

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT TACTICS
FORMER EAGLE 5N

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\157_Interconnect Plan for IL-59 South to North_W Bartlett Rd to IL Rte 58_10.dgn

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL:/773)774-5180

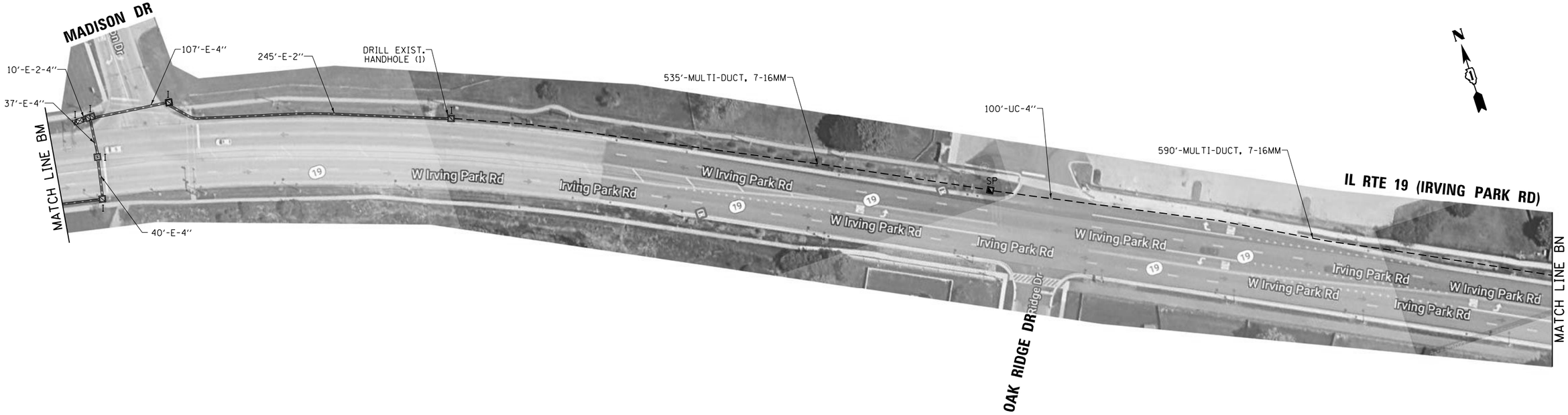
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

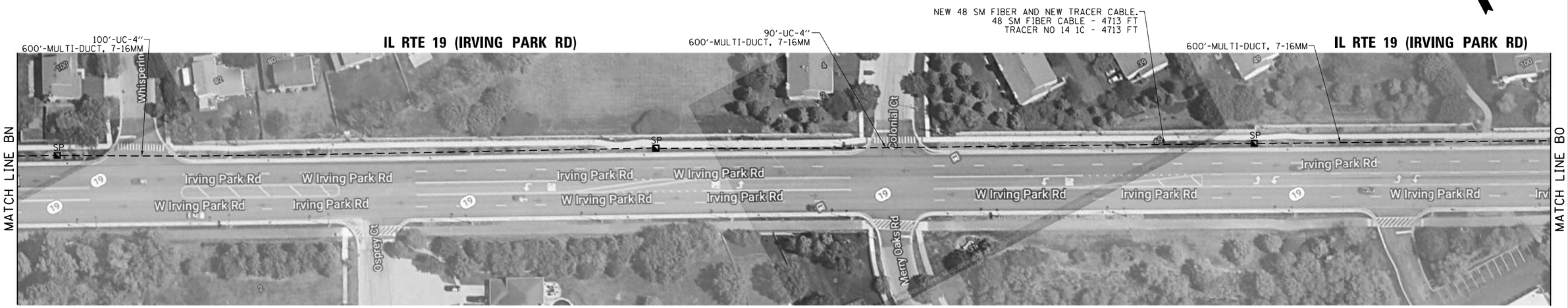
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 19 (IRVING PARK RD) AT MADISON DR

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	157
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



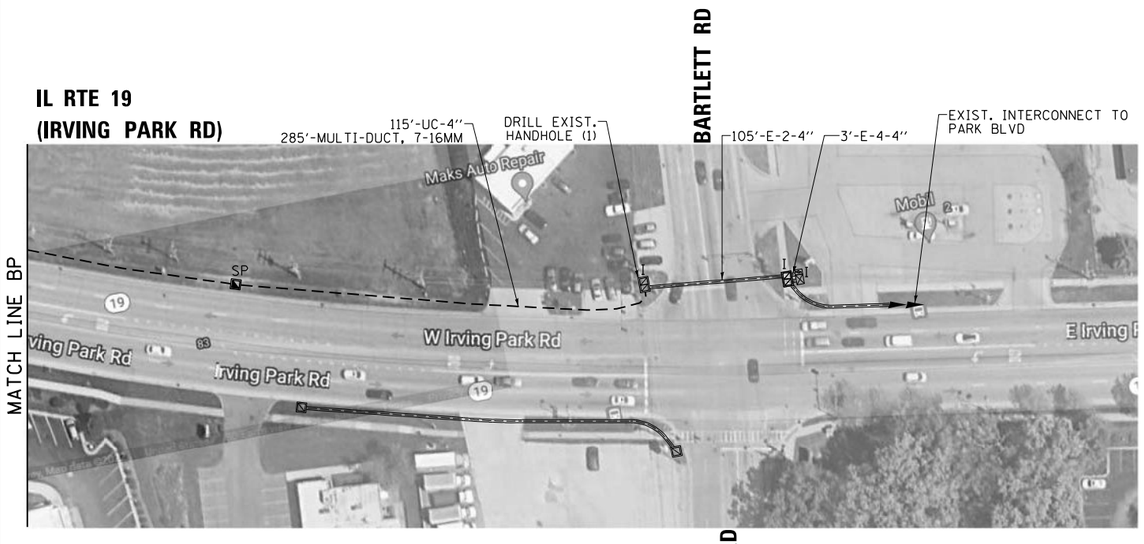


IDOT TACTICS

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN IL RTE 19 (IRVING PARK RD) AT MADISON DR
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -		
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	158
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\158_Interconnect Plan for IL-19 West to East_Madison Dr to Bartlett Rd.11.dgn

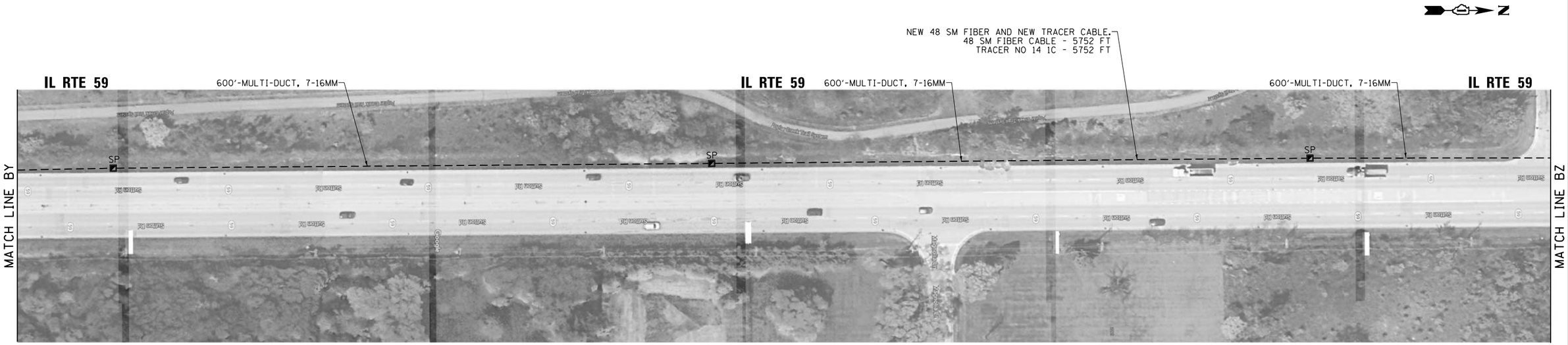


IDOT TACTICS

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN IL RTE 19 (IRVING PARK RD) AT BARTLETT RD
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -		
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	159
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\159_Interconnect Plan for IL-19 West to East_Madison Dr to Bartlett Rd.i2.dgn



IDOT CENTRACS

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD Sheets\160_Interconnect Plan for IL-59 South to North Golf Rd to Shoe Factory Rd.13.dgn

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

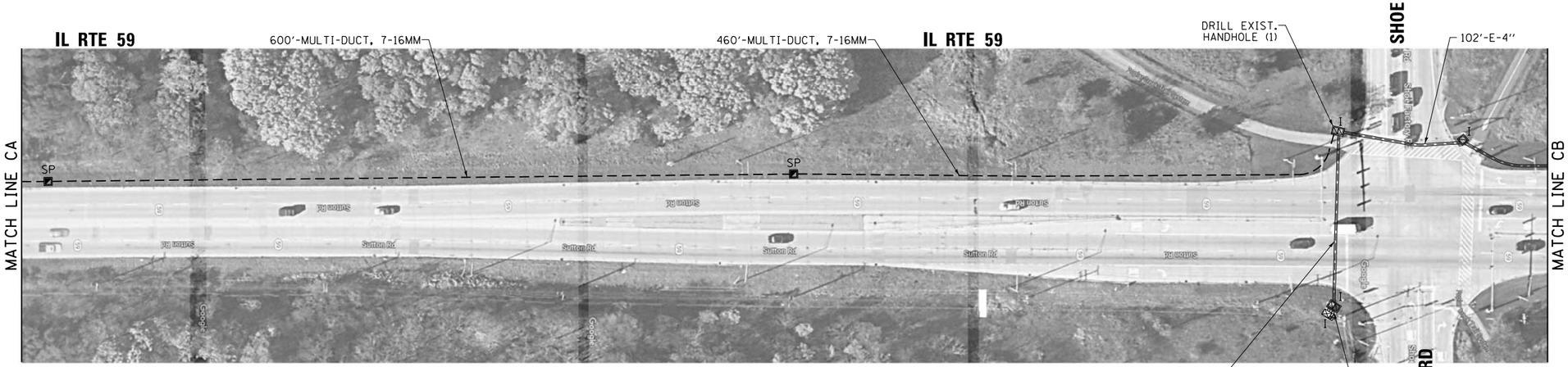
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL RTE 59 AT IL RTE 58 (GOLF RD)

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	160
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



IDOT CENTRACS

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\161_Interconnect Plan for IL-59 South to North-Golf Rd to Shoe Factory Rd.i4.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

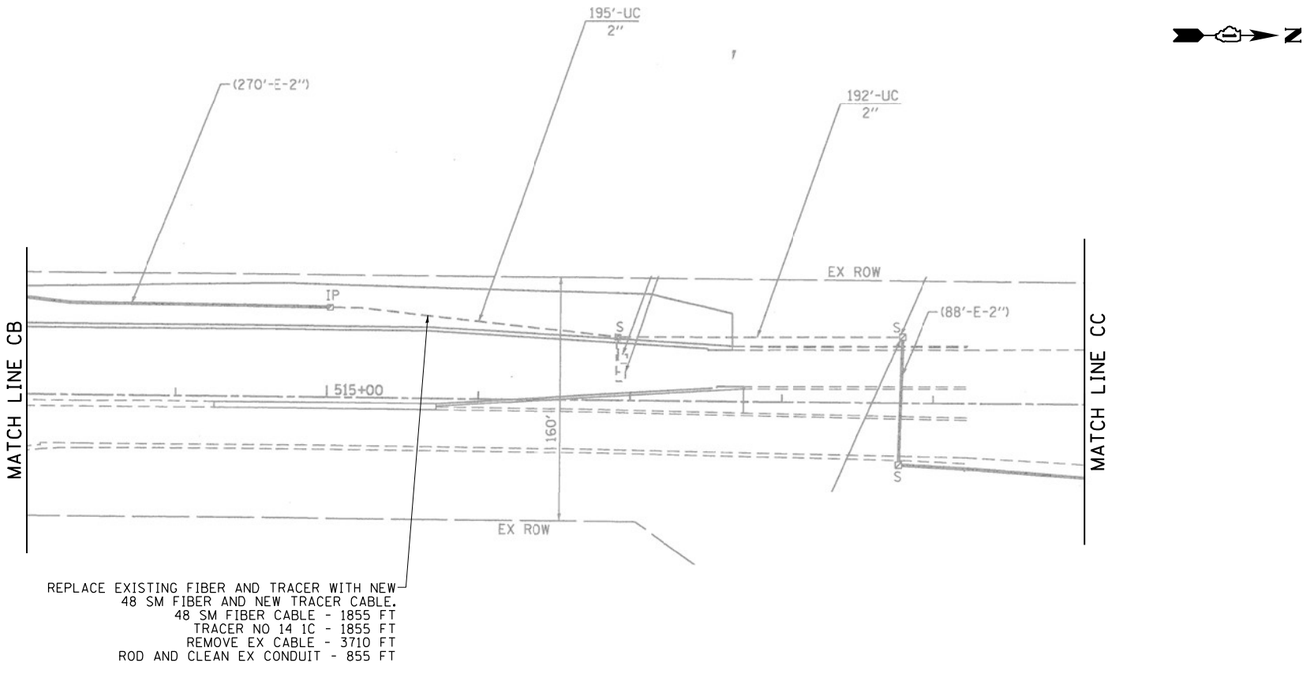
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

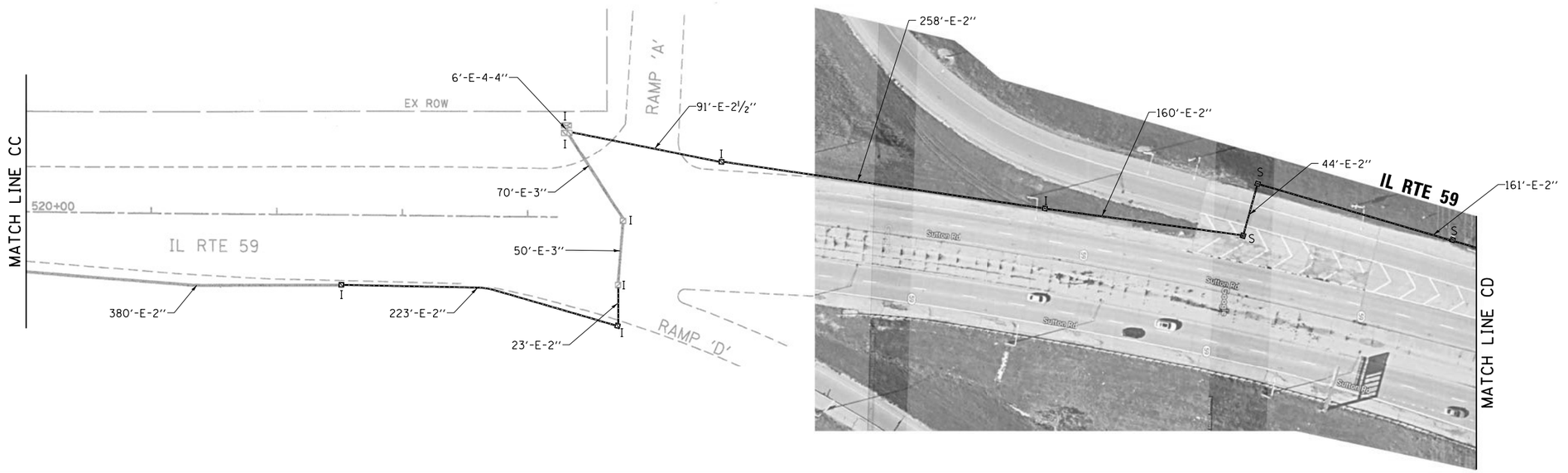
PROPOSED INTERCONNECT PLAN
IL RTE 59 AT SHOE FACTORY RD

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	161
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"





IDOT CENTRACS
FORMER ECON 90

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
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	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT SHOE FACTORY RD AND I-90 TOLL SOUTH RAMP A

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	162
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\162_Interconnect Plan for IL-59 South to North_Shoe Factory Rd to IL Rte 72.15.dgn

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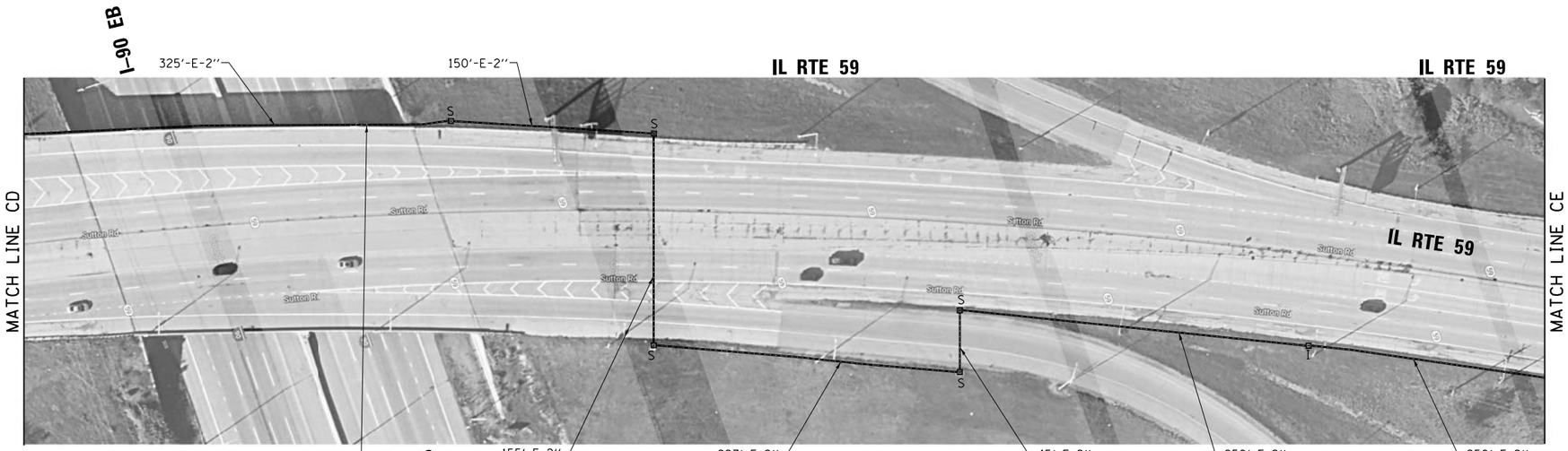


REPLACE EXISTING FIBER AND TRACER WITH NEW
48 SM FIBER AND NEW TRACER CABLE.
48 SM FIBER CABLE - 2235 FT
TRACER NO 14 IC - 2235 FT
REMOVE EX CABLE - 4470 FT
ROD AND CLEAN EX CONDUIT - 1267 FT

IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD Sheets\163_Interconnect Plan for IL-59 South to North-Shoe Factory Rd to IL Rte 72.16.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

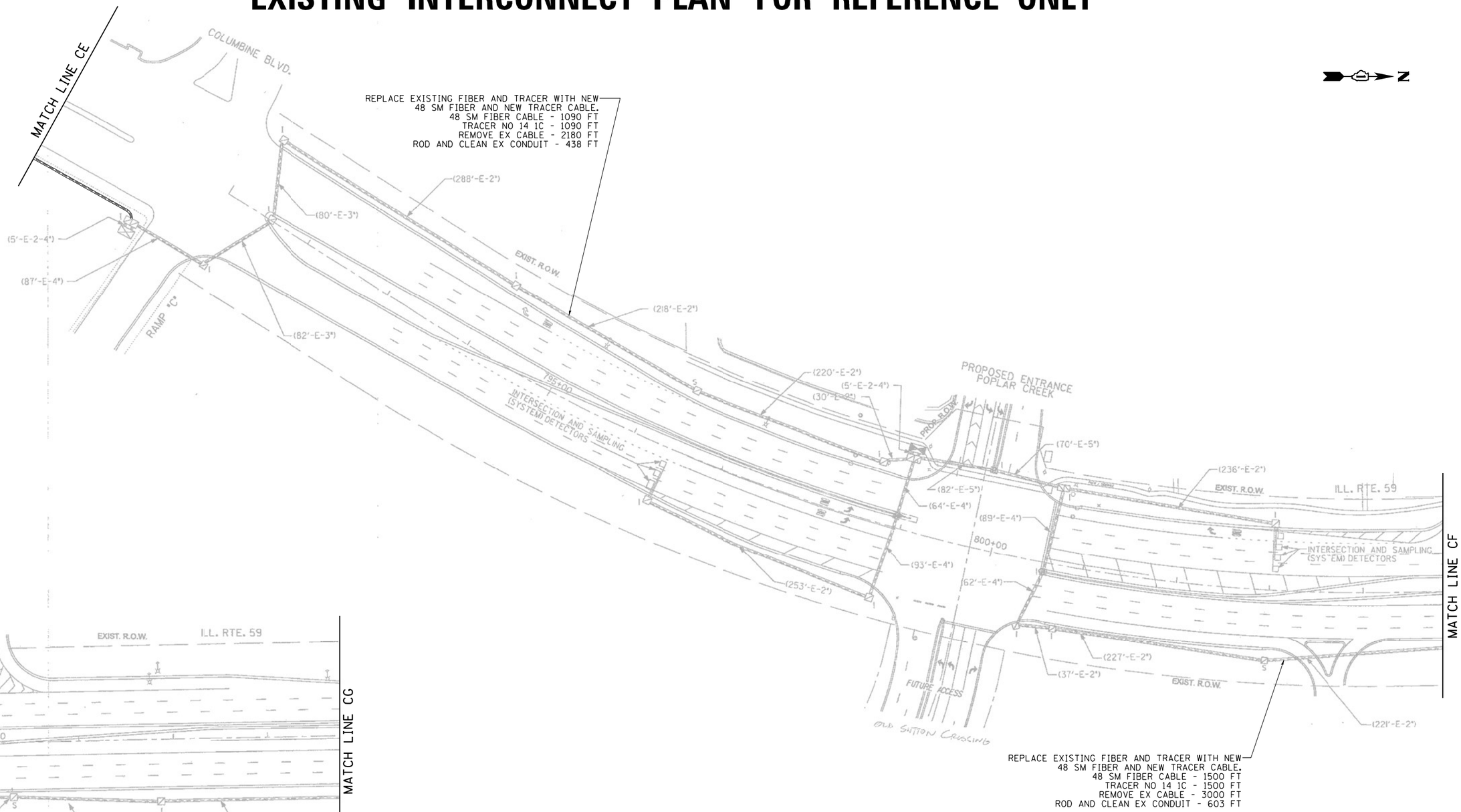
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT I-90 TOLL SOUTH RAMP A

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	163
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



IDOT CENTRACS
FORMER ECON 90

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
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	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

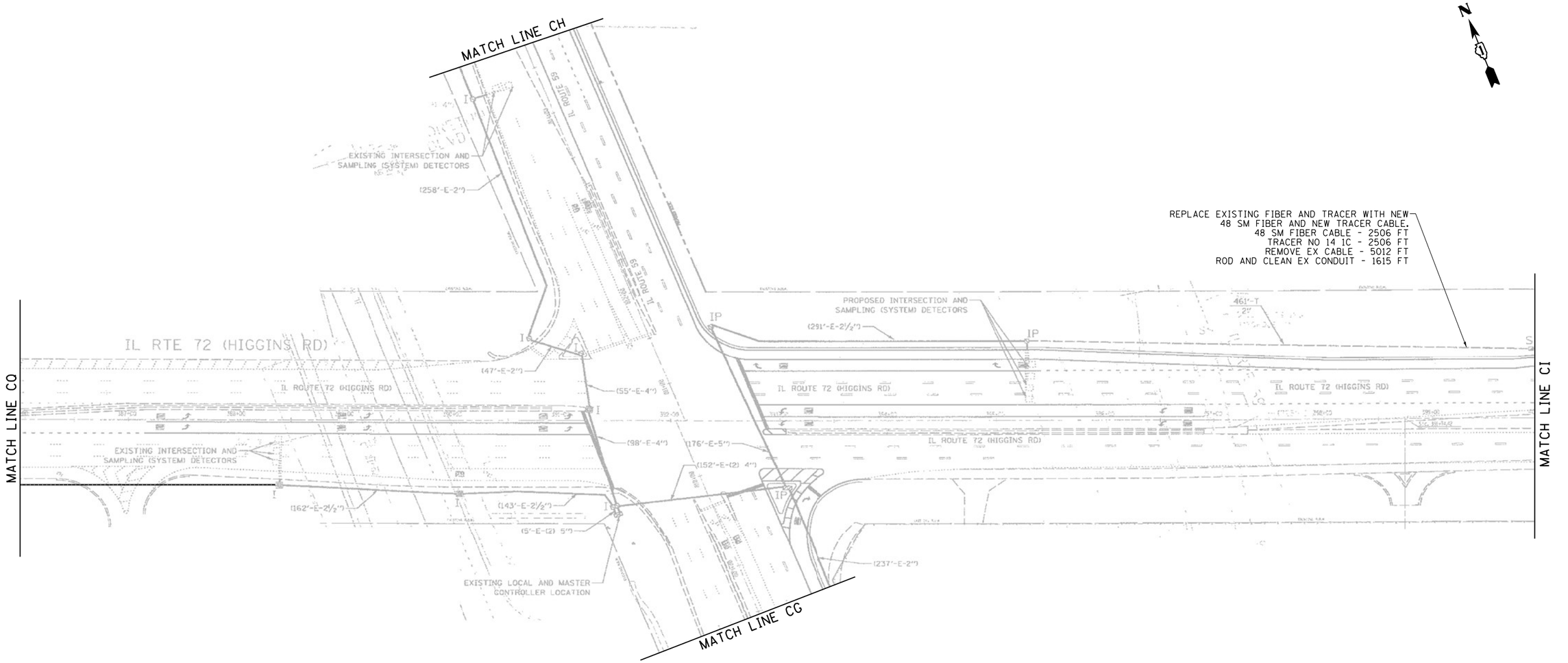
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT I-90 TOLL NORTH RAMP C AND PRAIRIE CROSSING AND IL RTE 72 (HIGGINS RD)

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	164
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\164_Interconnect Plan for IL-59 South to North-Shoe Factory Rd to IL Rte 72_17.dgn



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\165_Interconnect Plan for IL-59 South to North-Shoe Factory Rd to IL Rte 72.18.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

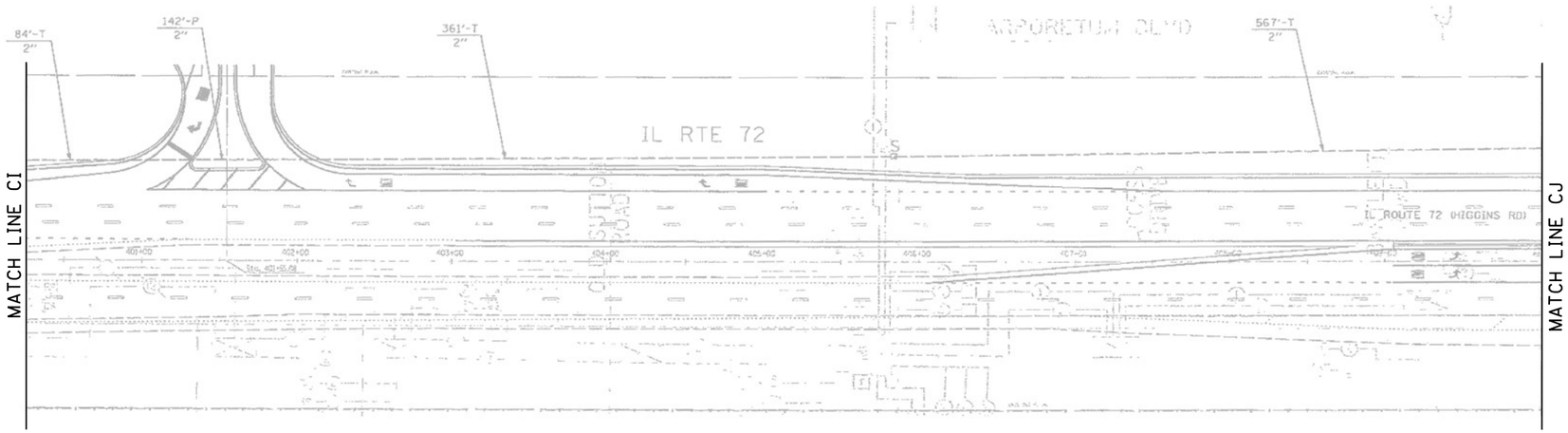
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT IL RTE 72 (HIGGINS RD)

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

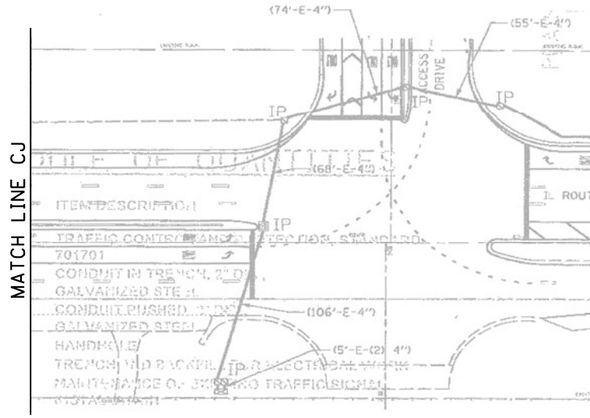
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	165
		CONTRACT NO. 62T53		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

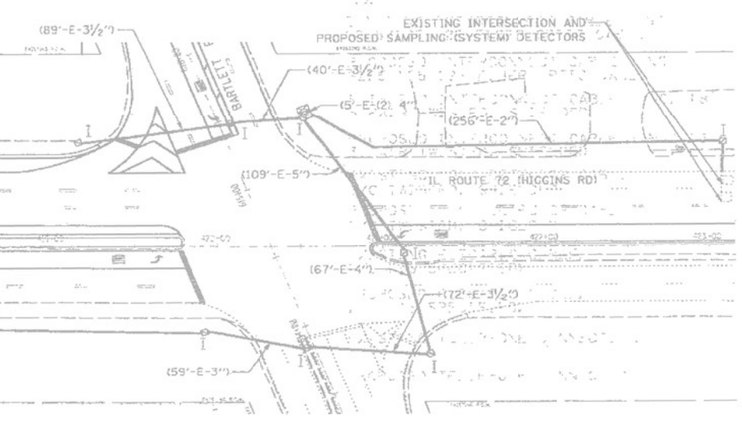


REPLACE EXISTING FIBER AND TRACER WITH NEW
48 SM FIBER AND NEW TRACER CABLE.
48 SM FIBER CABLE - 1152 FT
TRACER NO 14 1C - 1152 FT
REMOVE EX CABLE - 2304 FT
ROD AND CLEAN EX CONDUIT - 357 FT

ARBORETUM DR



BARTLETT RD



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 90

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
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	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

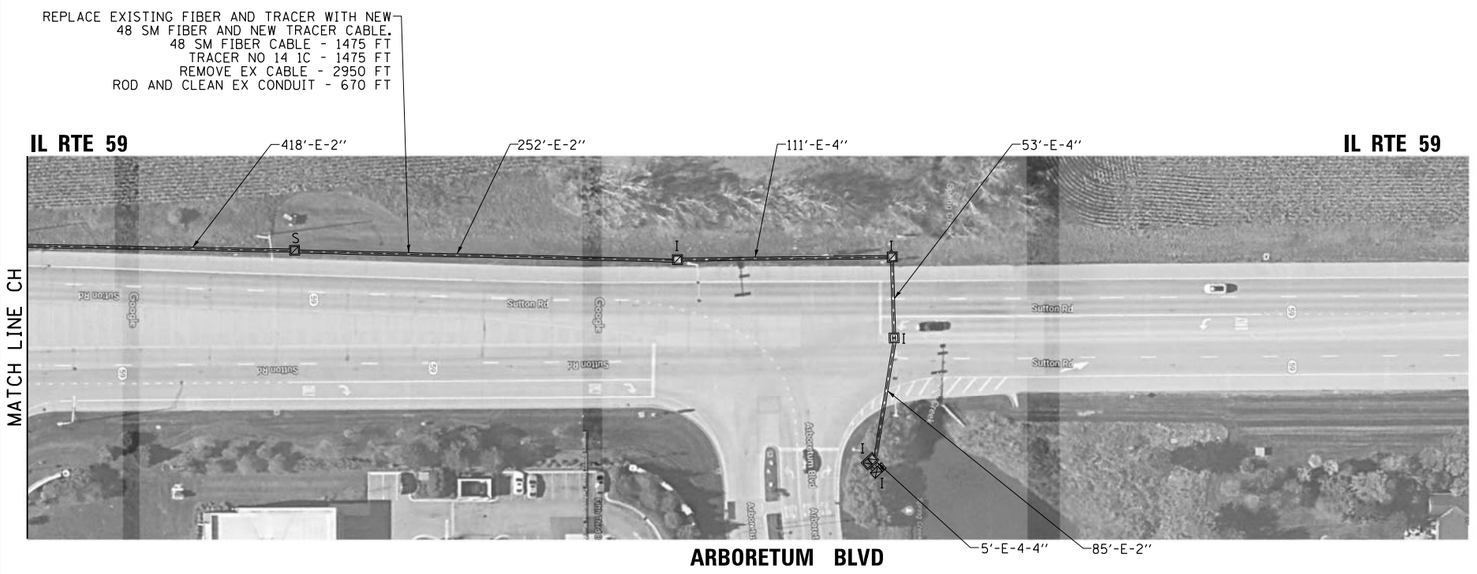
EXISTING INTERCONNECT PLAN
IL RTE 72 (HIGGINS RD) AT ARBORETUM DR AND BARTLETT RD

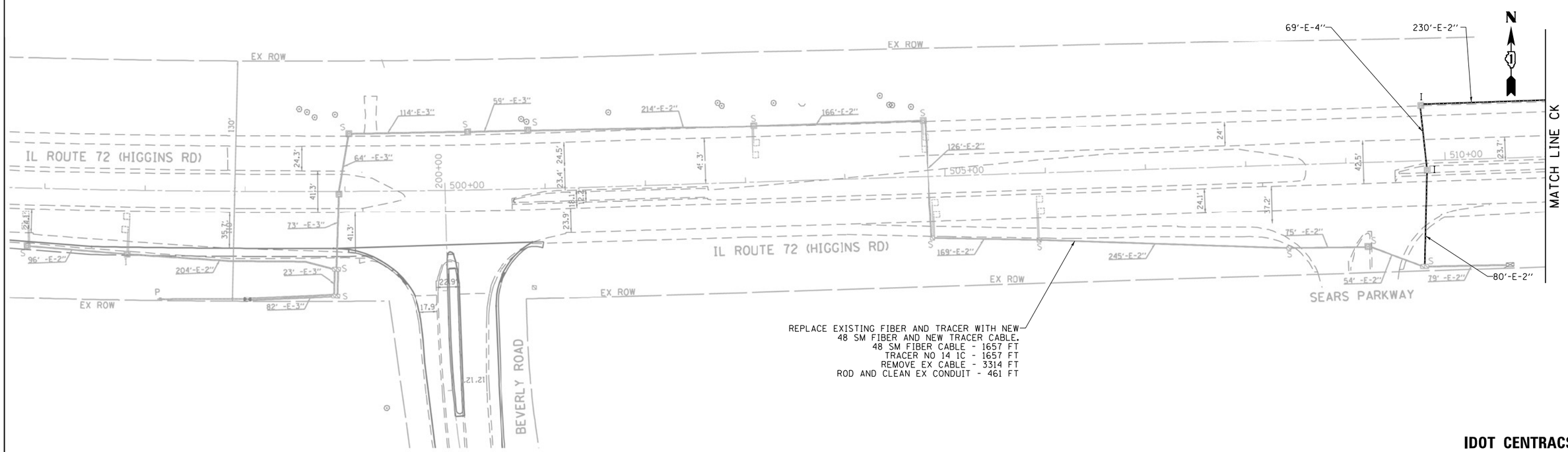
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	166
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\166_Interconnect Plan for IL-59 South to North_Shoe Factory Rd to IL Rte 72.19.dgn

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"





IDOT CENTRACS
FORMER ECON 90

FILE NAME = K:\PROJECTS\P-ojects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\167_Interconnect Plan for IL-59 South to North-Golf Rd to Shoe Factory Rd.20.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
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PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT ARBORETUM BLVD
IL RTE 72 (HIGGINS RD) AT BEVERLY RD AND SEARS PKWY

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	167
		CONTRACT NO. 62T53		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

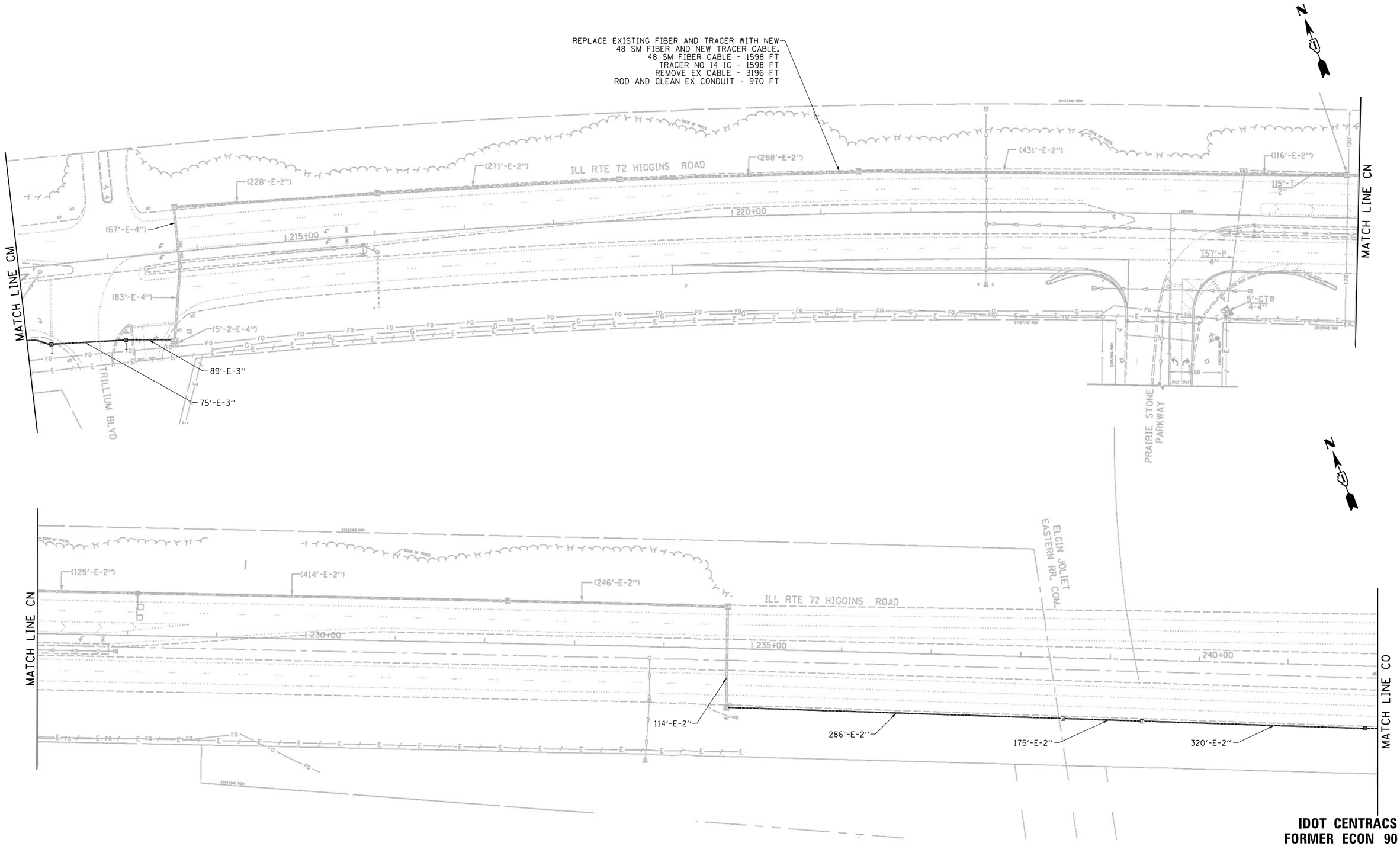
"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 90

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:/773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING INTERCONNECT PLAN IL RTE 72 (HIGGINS RD) AT SEARS PKWY	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - EA, AV	REVISED -			VAR.	2023 TRAFFIC 03	VARIOUS	300	168
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -					CONTRACT NO. 62T53		
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\168_Interconnect Plan for IL-59 South to North Golf Rd to Shoe Factory Rd_21.dgn

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



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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 = $USER$	DESIGNED - EA	REVISED -
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PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

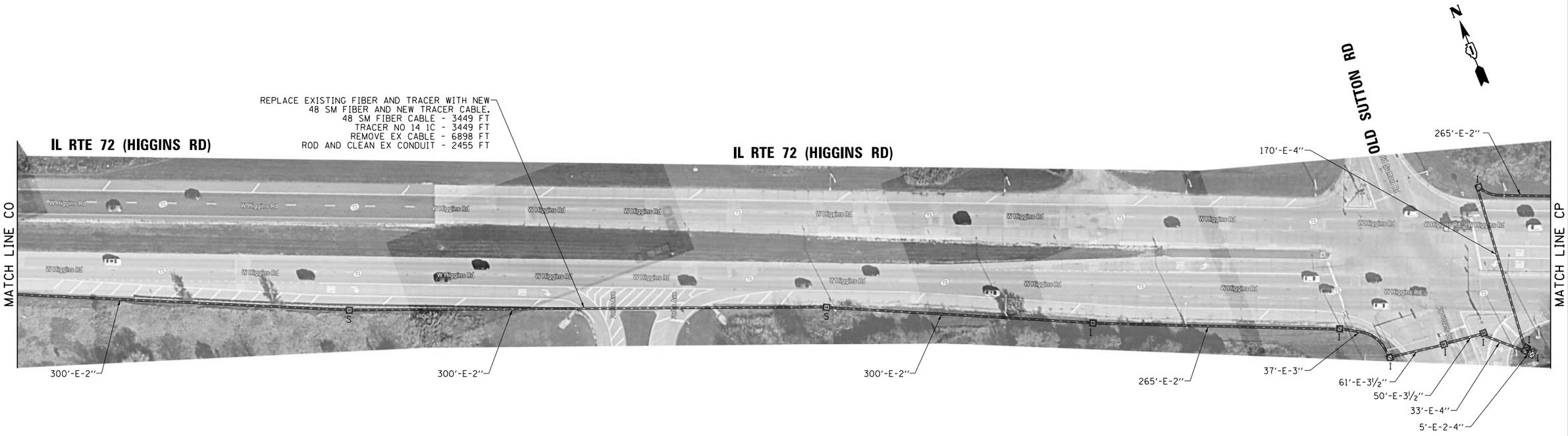
EXISTING INTERCONNECT PLAN
IL RTE 72 (HIGGINS RD) AT TRILLIUM BLVD AND PRAIRIE STONE PKWY

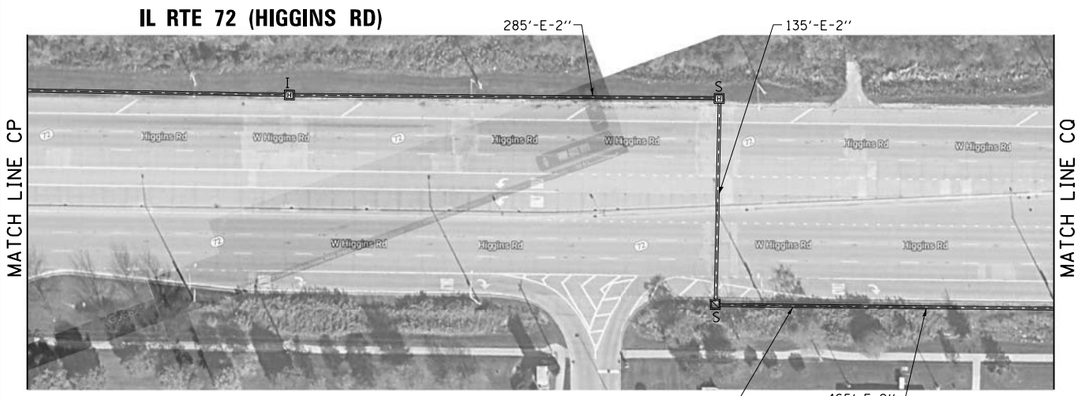
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	169
		CONTRACT NO. 62T53		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



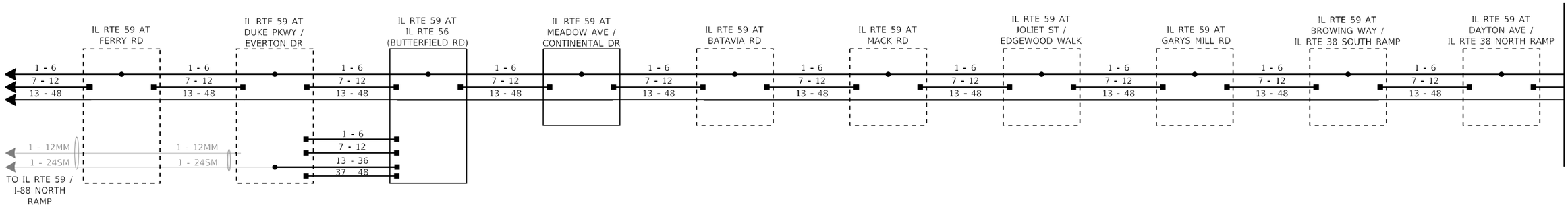


IDOT CENTRACS
FORMER ECON 90

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING INTERCONNECT PLAN IL RTE 72 (HIGGINS RD) AT OLD SUTTON RD
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -		
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	170
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\170_Interconnect Plan for IL-59 South to North_Golf Rd to Shoe Factory Rd_23.dgn



EXISTING CONNECTOR / EXISTING FIBER

NEW CONNECTOR / EXISTING FIBER

EXISTING FUSION SPLICE / EXISTING FIBER

NEW FUSION SPLICE / EXISTING FIBER

NEW CONNECTOR / NEW FIBER

NEW FUSION SPLICE / NEW FIBER

EXISTING HYBRID MULTI MODE / SINGLE MODE FIBER

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SRF Consulting Group, Inc.
565 W. Randolph Street, Suite 250
Chicago, IL 60661-2218 | 773.908.7091

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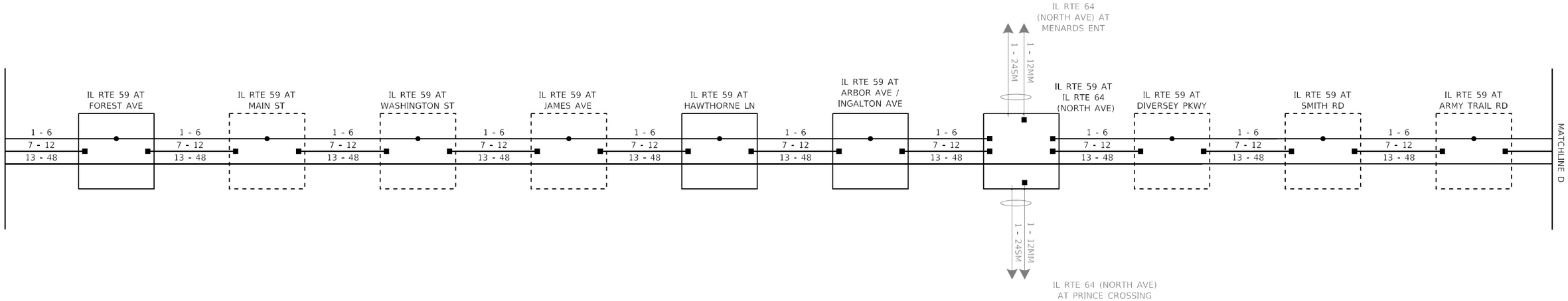
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAM SHEET (1 OF 4)
IL RTE 59

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	171
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EXISTING CONNECTOR / EXISTING FIBER

NEW CONNECTOR / EXISTING FIBER

EXISTING FUSION SPLICE / EXISTING FIBER

NEW FUSION SPLICE / EXISTING FIBER

NEW CONNECTOR / NEW FIBER

NEW FUSION SPLICE / NEW FIBER

EXISTING HYBRID MULTI MODE / SINGLE MODE FIBER

MODEL: Default
FILE NAME: H:\Projects\15000\15218-06\CAD Sheets\ITMS011.dgn

SRF Consulting Group, Inc.
564 W. Randolph Street, Suite 200
Chicago, IL 60661-2218 | 773.358.7091

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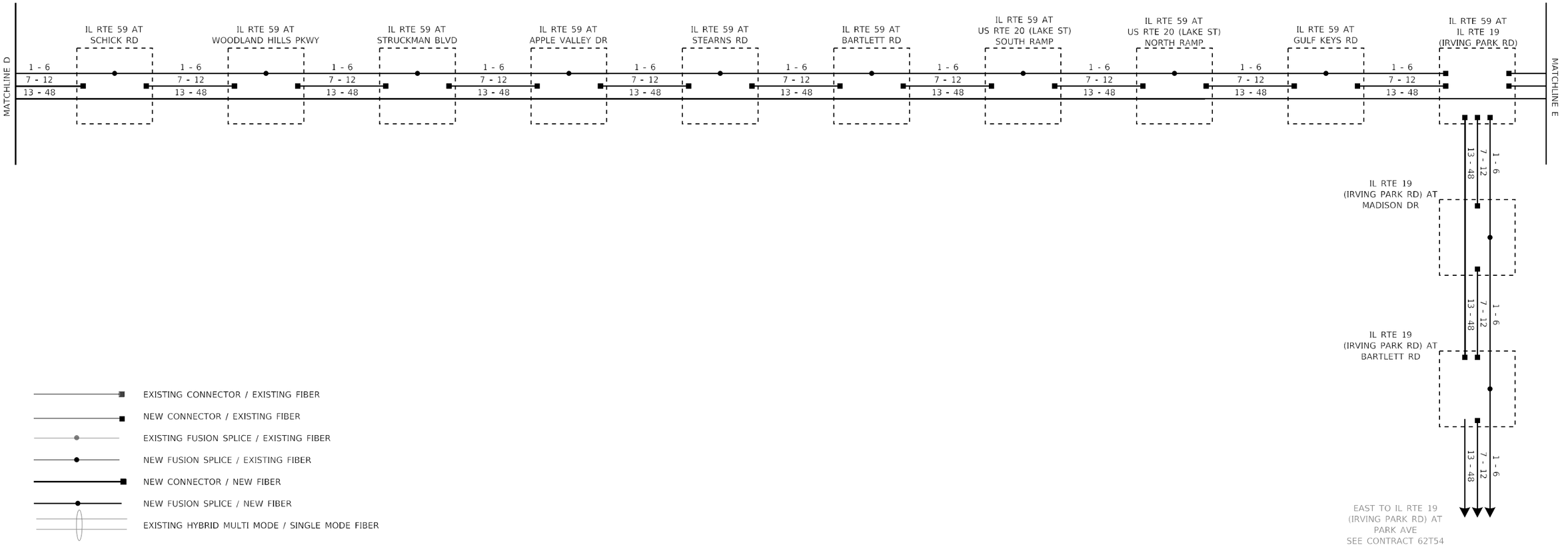
PLOT DATE = 3/20/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAM SHEET (2 OF 4)
IL RTE 59 AT IL RTE 64 (NORTH AVE)

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	172
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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564 W. Randolph Street, Suite 200
Chicago, IL 60661-2218 | 773.908.7091

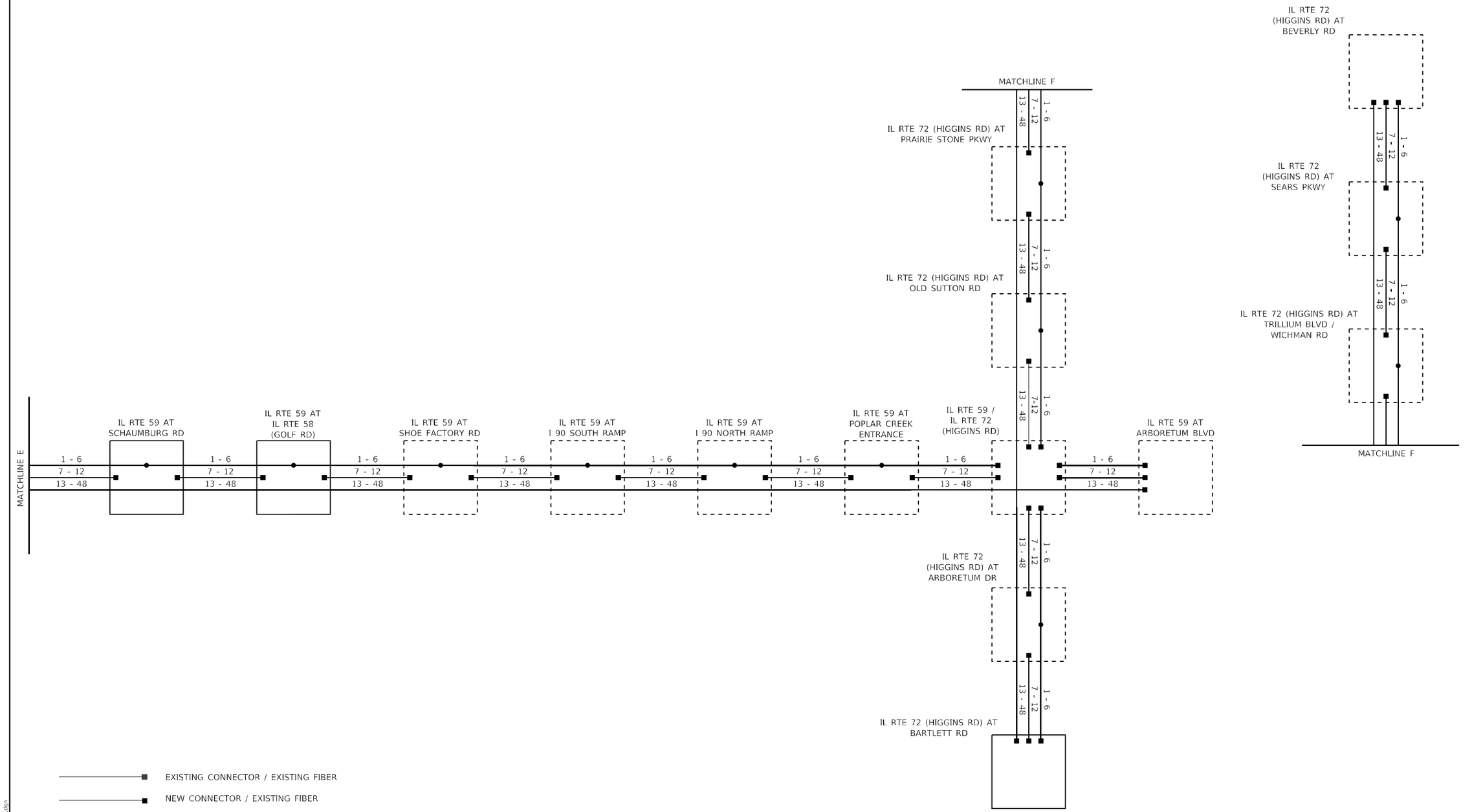
USER NAME = KHvizdos	DESIGNED - QA	REVISED -
	DRAWN - KH	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -
PLOT DATE = 3/20/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAM SHEET (3 OF 4)
IL RTE 59 AT IL RTE 19 (IRVING PARK RD)

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	173
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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SRF Consulting Group, Inc.
55 W. Wacker Street, Suite 705
Chicago, IL 60601-2218 | 773.808.7091

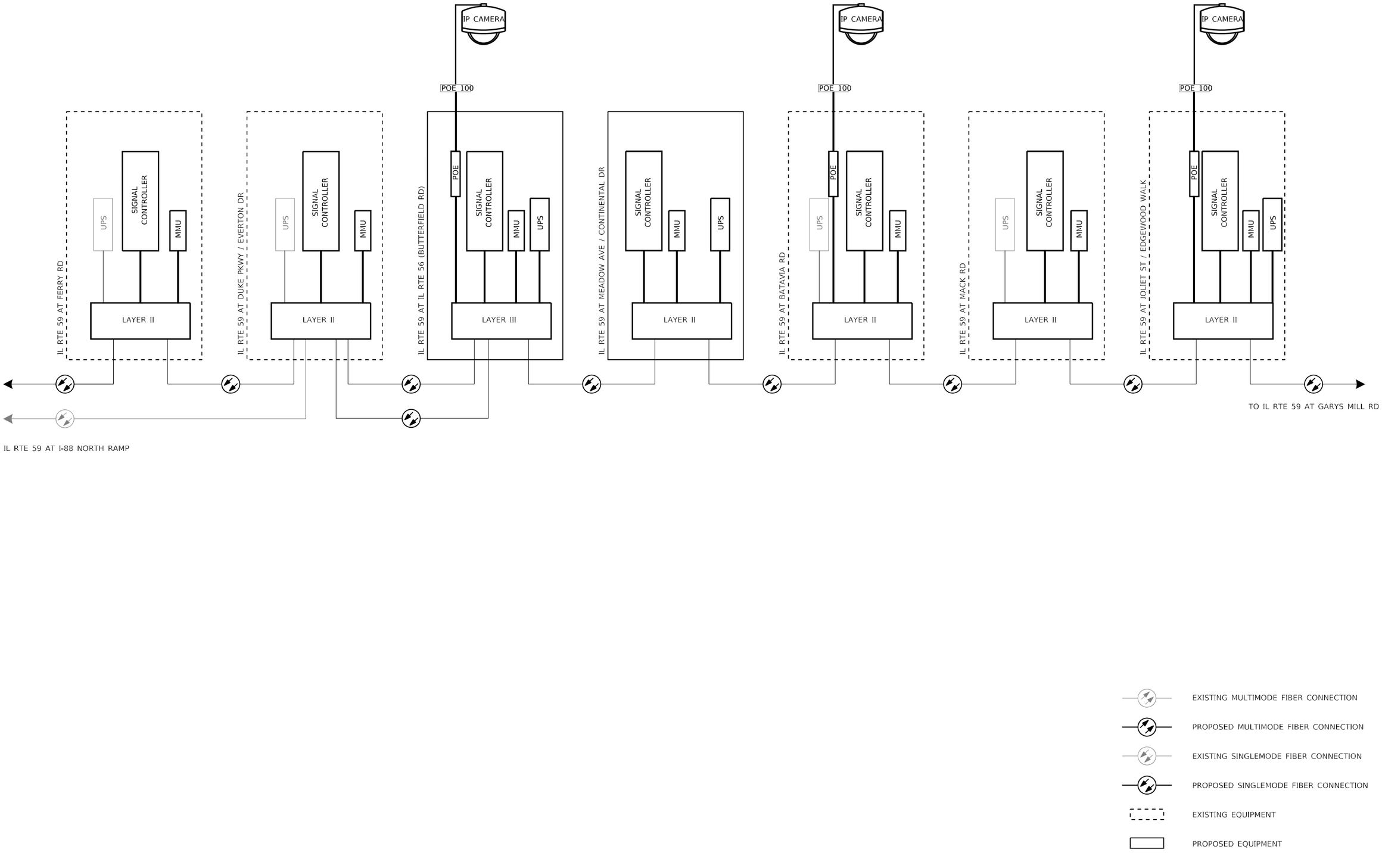
USER NAME = KHvizdos	DESIGNED - QA	REVISED -
	DRAWN - KH	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -
PLOT DATE = 3/20/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAM SHEET (4 OF 4)
IL RTE 59 AT IL RTE 72 (HIGGINS RD)

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	174
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EXISTING MULTIMODE FIBER CONNECTION

PROPOSED MULTIMODE FIBER CONNECTION

EXISTING SINGLEMODE FIBER CONNECTION

PROPOSED SINGLEMODE FIBER CONNECTION

EXISTING EQUIPMENT

PROPOSED EQUIPMENT

MODEL: Default
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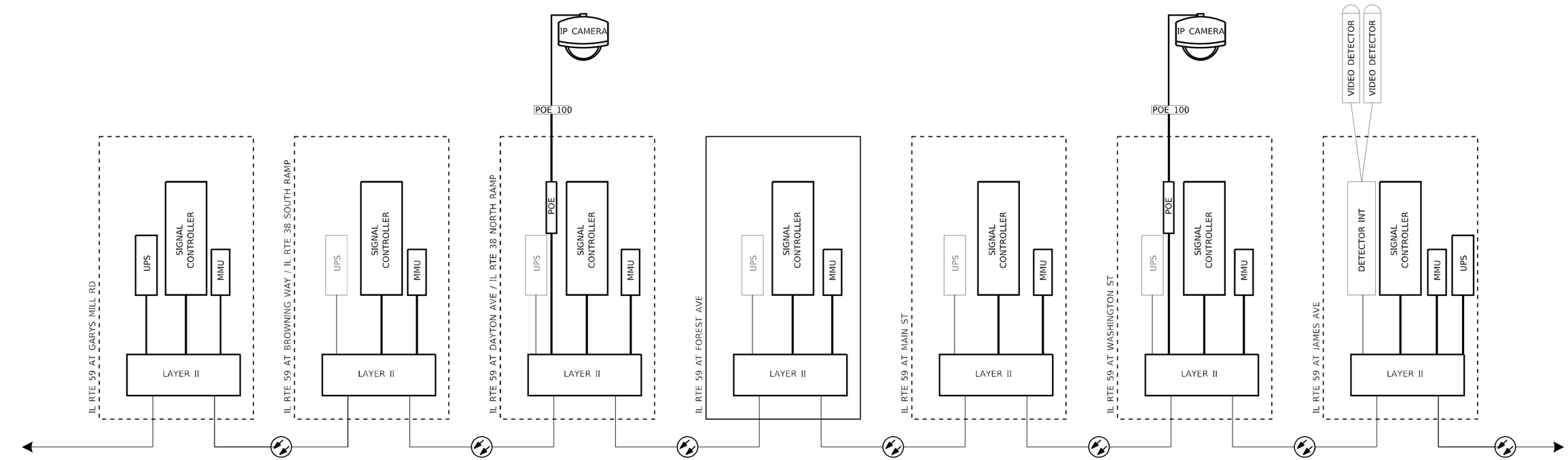
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET (1 OF 6)
IL RTE 59

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	175
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EXISTING MULTIMODE FIBER CONNECTION

PROPOSED MULTIMODE FIBER CONNECTION

EXISTING SINGLEMODE FIBER CONNECTION

PROPOSED SINGLEMODE FIBER CONNECTION

EXISTING EQUIPMENT

PROPOSED EQUIPMENT

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	DRAWN - KH	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -

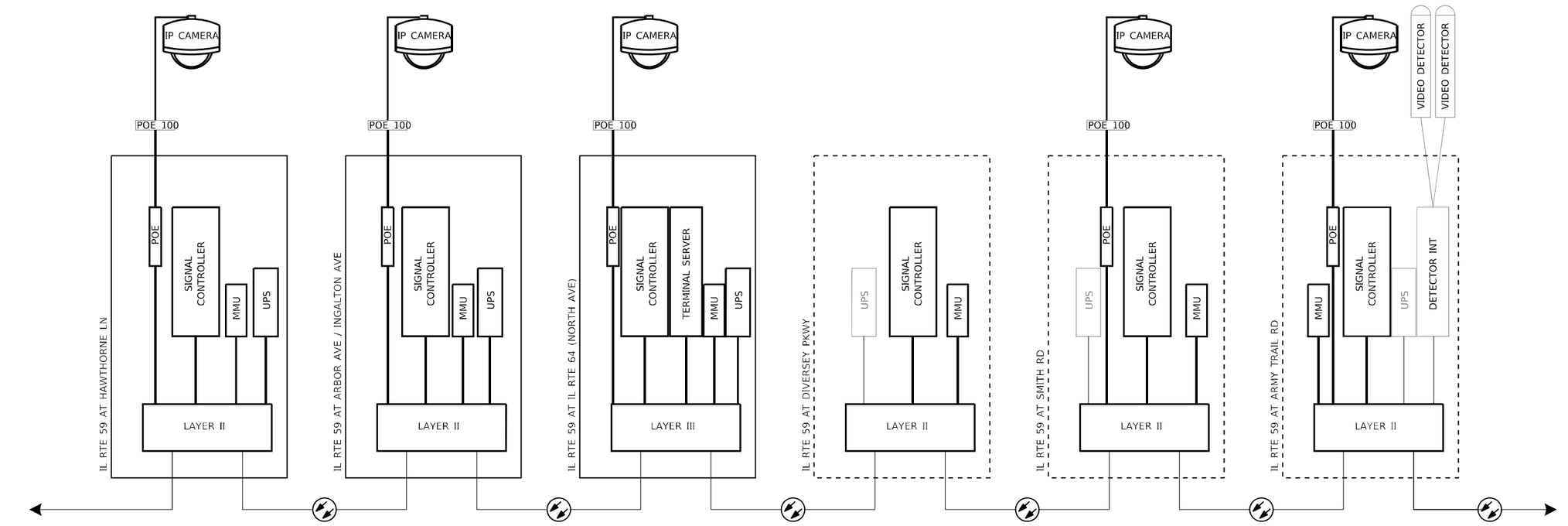
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET (2 OF 6)
IL RTE 59

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	176
		CONTRACT NO. 62T53		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



EXISTING MULTIMODE FIBER CONNECTION

PROPOSED MULTIMODE FIBER CONNECTION

EXISTING SINGLEMODE FIBER CONNECTION

PROPOSED SINGLEMODE FIBER CONNECTION

EXISTING EQUIPMENT

PROPOSED EQUIPMENT

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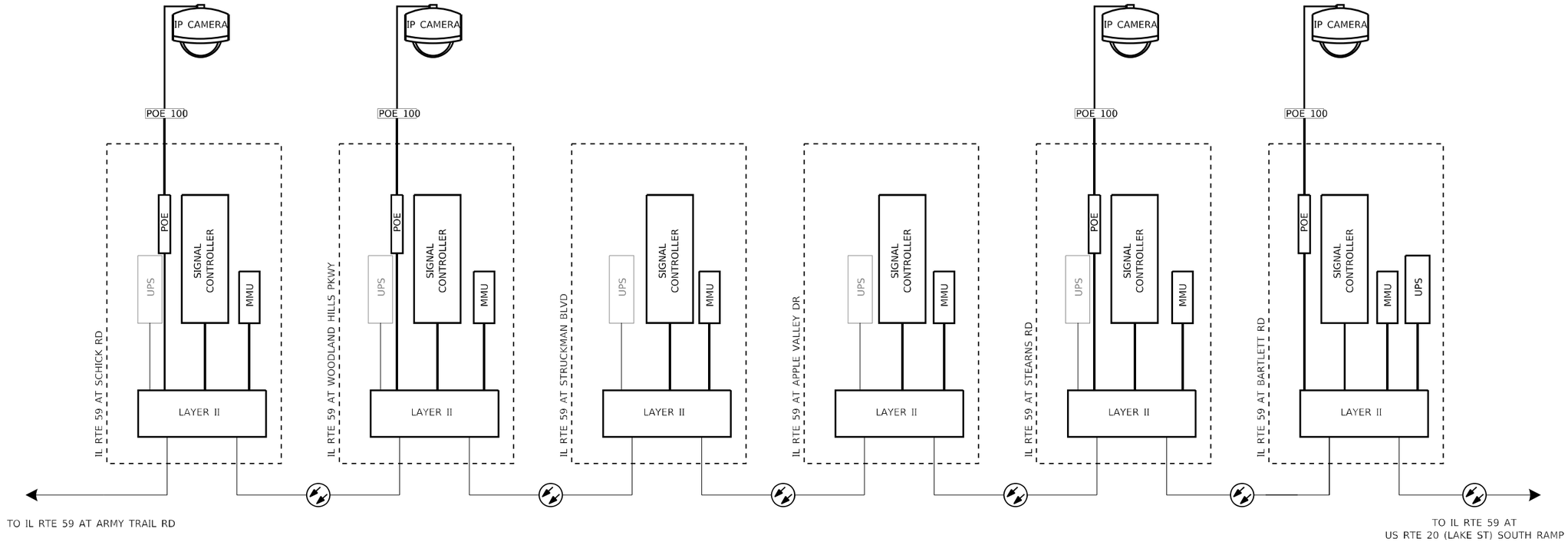
	DRAWN - KH	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -	
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET (3 OF 6)
IL RTE 59 AT IL RTE 64 (NORTH AVE)

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	177
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EXISTING MULTIMODE FIBER CONNECTION

PROPOSED MULTIMODE FIBER CONNECTION

EXISTING SINGLEMODE FIBER CONNECTION

PROPOSED SINGLEMODE FIBER CONNECTION

EXISTING EQUIPMENT

PROPOSED EQUIPMENT

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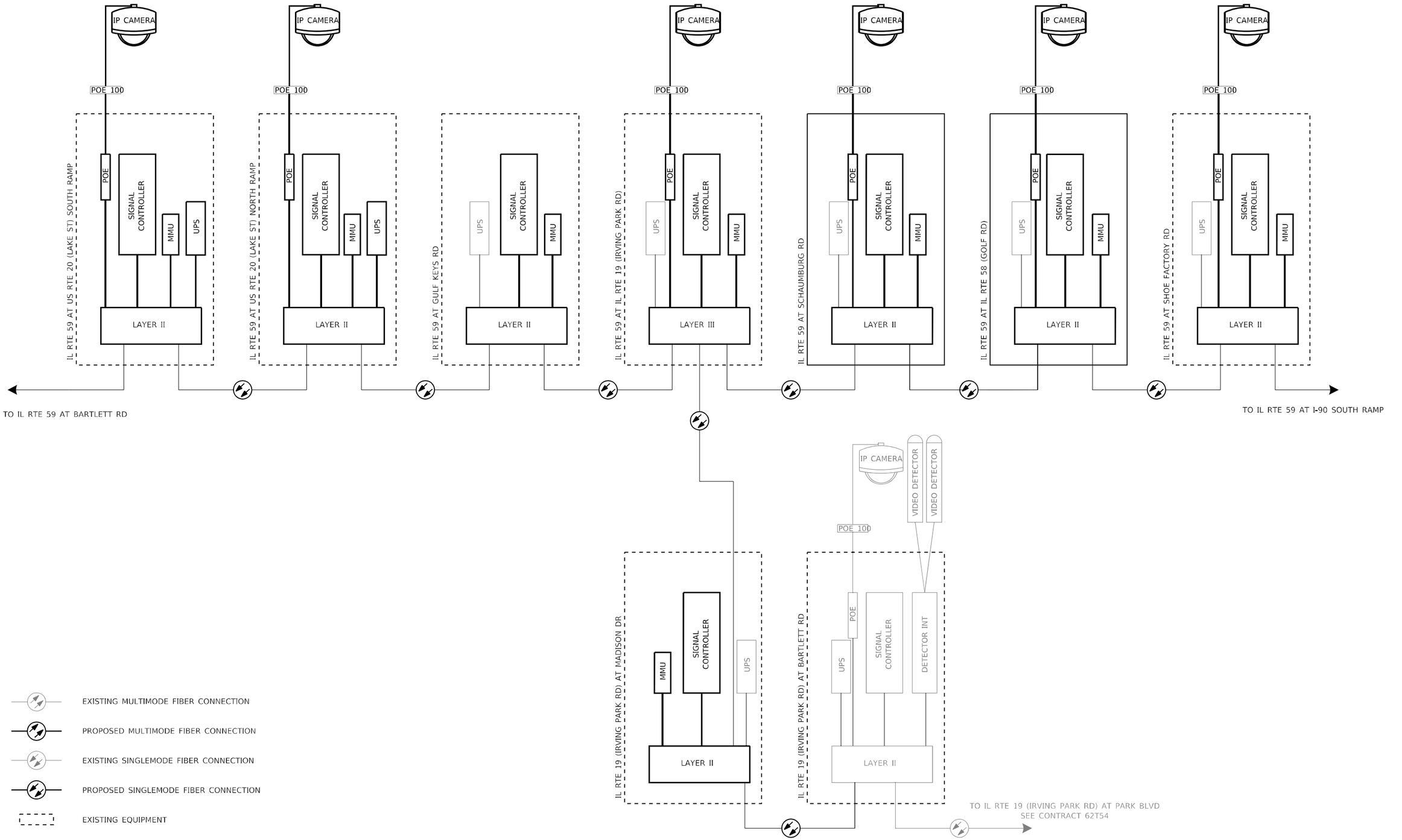
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET (4 OF 6)
IL RTE 59

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	178
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -	
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET (5 OF 6)
IL RTE 59 AT IL RTE 19 (IRVING PARK RD)

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	179
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

IP CAMERA
POE 100
POE
SIGNAL CONTROLLER
MMU
UPS
LAYER II
IL RTE 72 (HIGGINS RD) AT BEVERLY RD
IL RTE 72 (HIGGINS RD) AT SEARS PKWY
IL RTE 72 (HIGGINS RD) AT TRILLIUM BLVD / WICHMAN RD
IL RTE 72 (HIGGINS RD) AT PRAIRIE STONE PKWY
IL RTE 72 (HIGGINS RD) AT OLD SUTTON RD
IL RTE 59 AT ARBORETUM BLVD
IL RTE 59 AT I-90 SOUTH RAMP
IL RTE 59 AT I-90 NORTH RAMP
IL RTE 59 AT POPLAR CREEK ENT
IL RTE 59 AT IL RTE 72 (HIGGINS RD)
LAYER III
IL RTE 72 (HIGGINS RD) AT ARBORETUM DR
IL RTE 72 (HIGGINS RD) AT BARTLETT RD
TO IL RTE 59 AT SHOE FACTORY RD

EXISTING MULTIMODE FIBER CONNECTION
PROPOSED MULTIMODE FIBER CONNECTION
EXISTING SINGLEMODE FIBER CONNECTION
PROPOSED SINGLEMODE FIBER CONNECTION
EXISTING EQUIPMENT
PROPOSED EQUIPMENT

MODEL: Default
FILE NAME: H:\Projects\150001\5218-08\CAD_Sheets\TM5025.dgn

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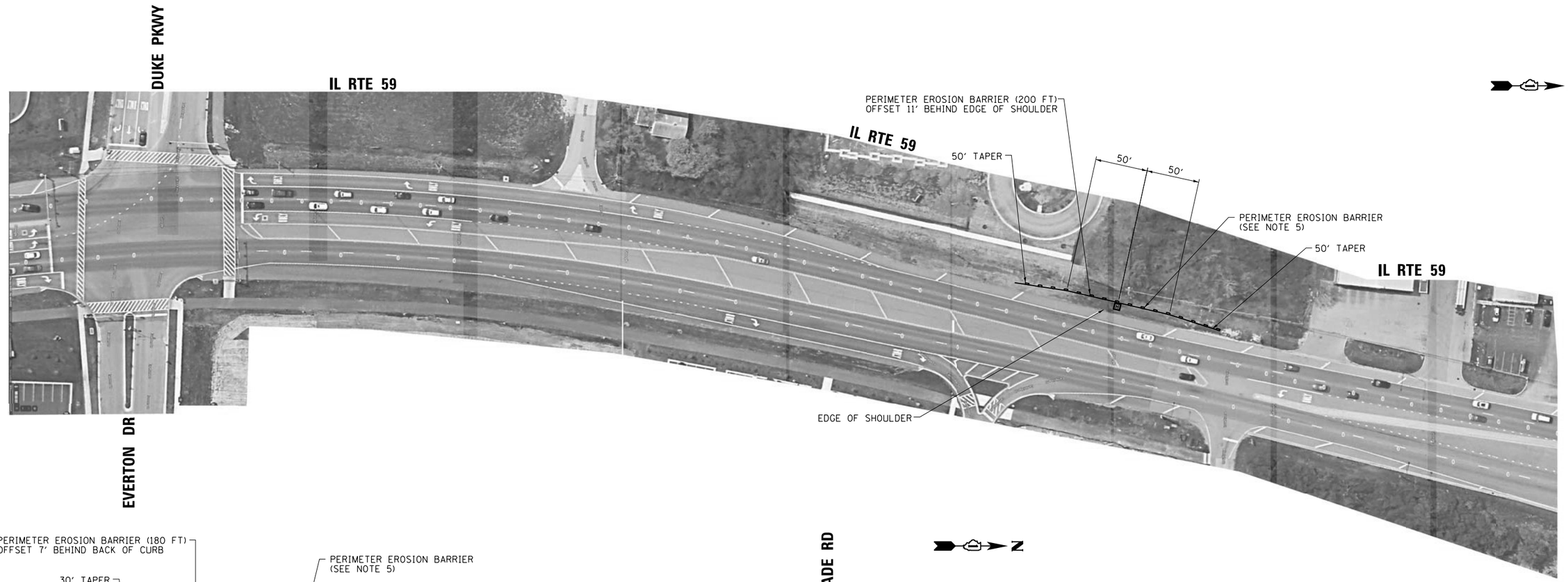
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

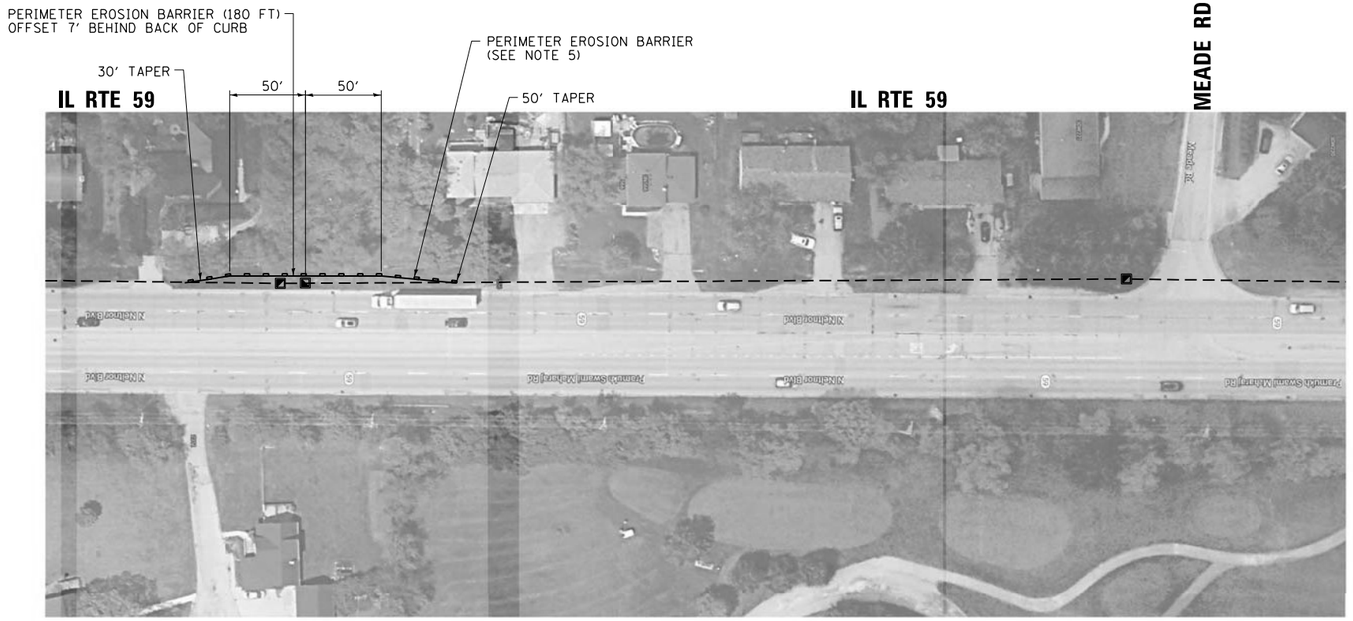
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET (6 OF 6)
IL RTE 59 AT IL RTE 72 (HIGGINS RD)

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	180
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





EROSION CONTROL NOTES:

1. THE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.

2. ALL EROSION CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/EROSION-AND-SEDIMENT-CONTROL).

3. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.

4. THE CONTRACTOR SHALL CHECK ALL EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, DURING THE WINTER MONTHS ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.

5. CONTRACTOR SHALL INSTALL PERIMETER EROSION BARRIER AT THE PROPOSED HANDHOLE LOCATION TO PROTECT ADJACENT WETLANDS. THE BARRIER SHALL BE INSTALL PRIOR TO ANY GROUND DISTURBING ACTIVITY AND SHALL BE REMOVED AFTER CONSTRUCTION AND ANY REQUIRED RESTORATION WORK IS COMPLETED.

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 SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
IL RTE 59 AT DUKE PKWY (A-3)
IL RTE 59 AT MEADE RD (B-1)

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	181
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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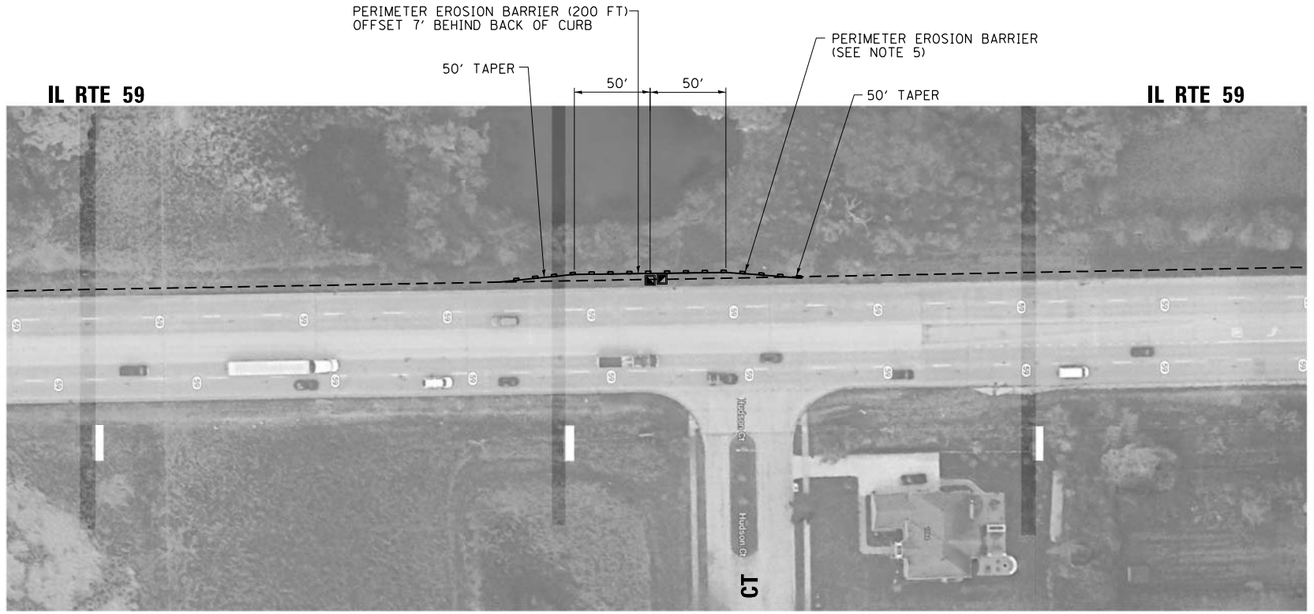

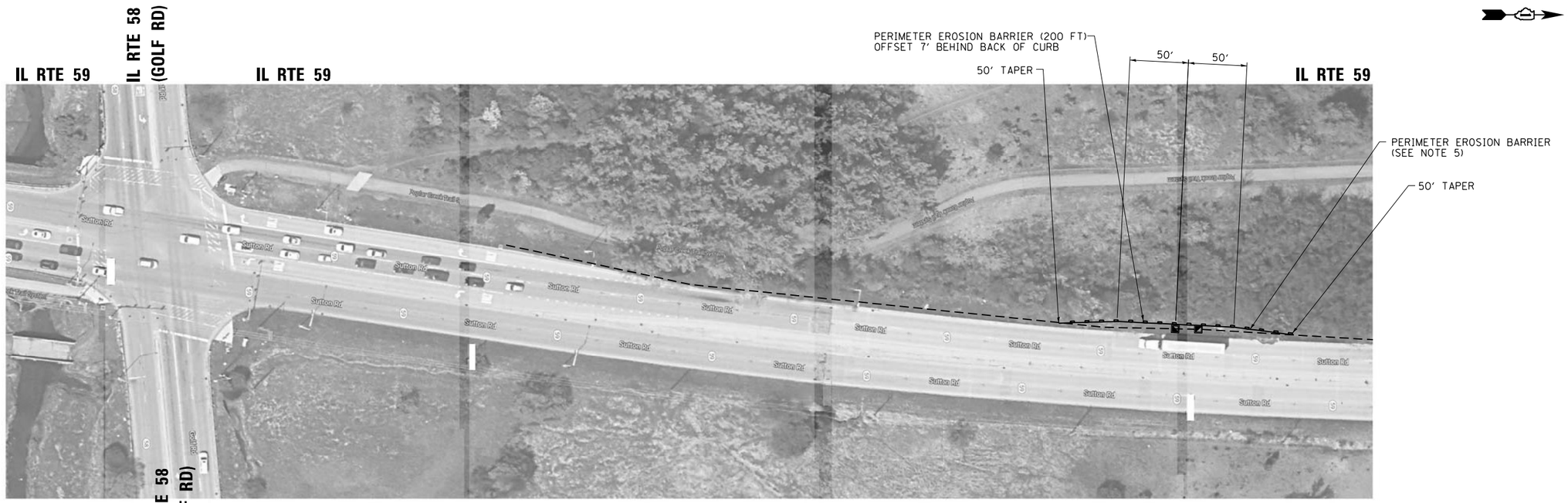

EROSION CONTROL NOTES:

1. THE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.

2. ALL EROSION CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/EROSION-AND-SEDIMENT-CONTROL).

3. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.

4. THE CONTRACTOR SHALL CHECK ALL EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, DURING THE WINTER MONTHS ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.

5. CONTRACTOR SHALL INSTALL PERIMETER EROSION BARRIER AT THE PROPOSED HANDHOLE LOCATION TO PROTECT ADJACENT WETLANDS. THE BARRIER SHALL BE INSTALL PRIOR TO ANY GROUND DISTURBING ACTIVITY AND SHALL BE REMOVED AFTER CONSTRUCTION AND ANY REQUIRED RESTORATION WORK IS COMPLETED.

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 = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
IL RTE 59 AT HUDSON CT (C-3)
IL RTE 59 AT IL RTE 58 (GOLF RD) (E-1)

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	182
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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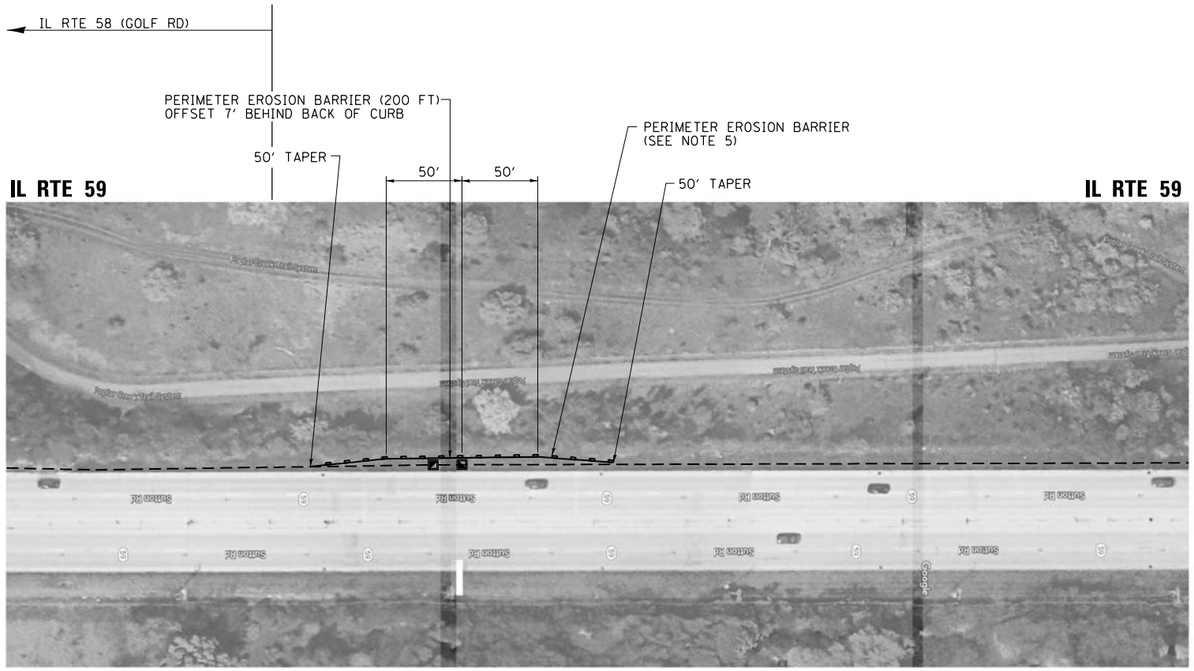


EROSION CONTROL NOTES:

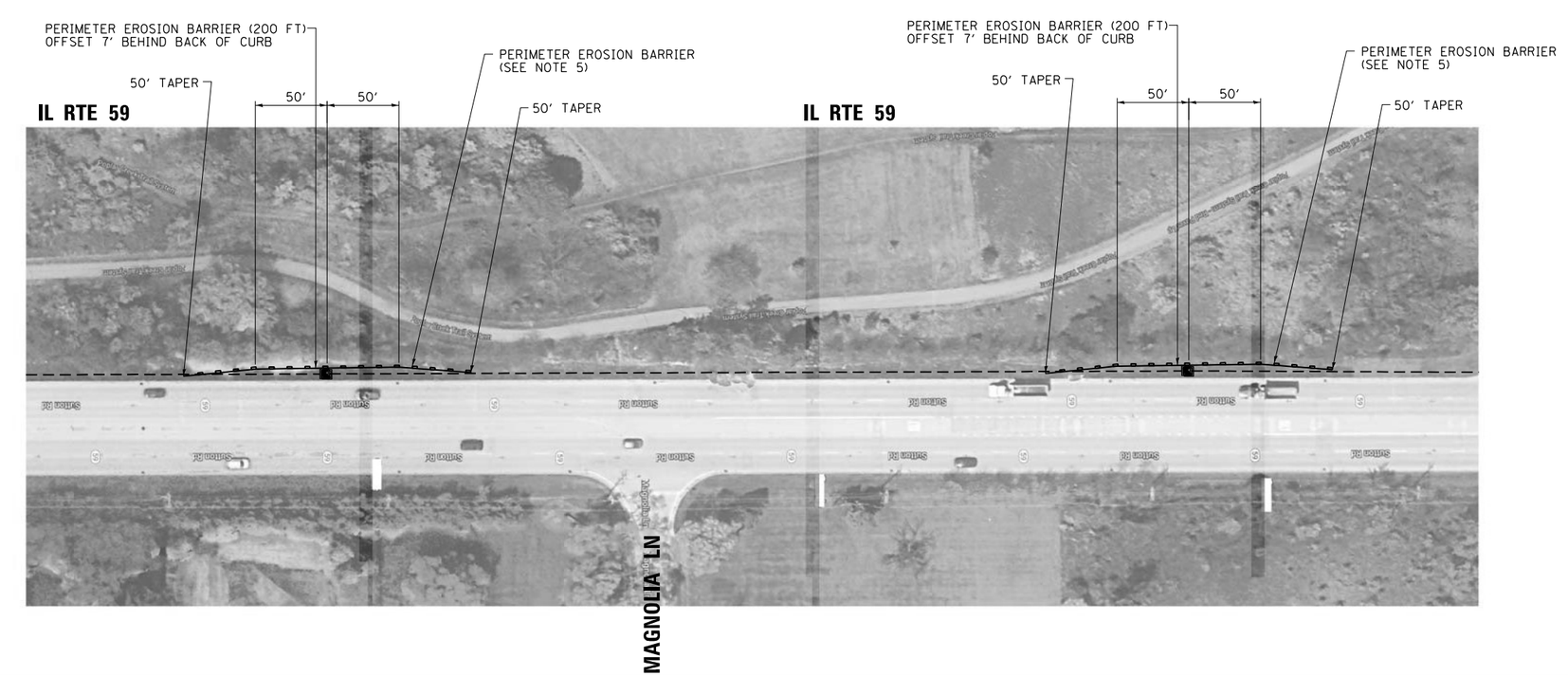
1. THE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.

2. ALL EROSION CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/EROSION-AND-SEDIMENT-CONTROL).

3. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.

4. THE CONTRACTOR SHALL CHECK ALL EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, DURING THE WINTER MONTHS ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.

5. CONTRACTOR SHALL INSTALL PERIMETER EROSION BARRIER AT THE PROPOSED HANDHOLE LOCATION TO PROTECT ADJACENT WETLANDS. THE BARRIER SHALL BE INSTALL PRIOR TO ANY GROUND DISTURBING ACTIVITY AND SHALL BE REMOVED AFTER CONSTRUCTION AND ANY REQUIRED RESTORATION WORK IS COMPLETED.



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6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL./773/774-5900

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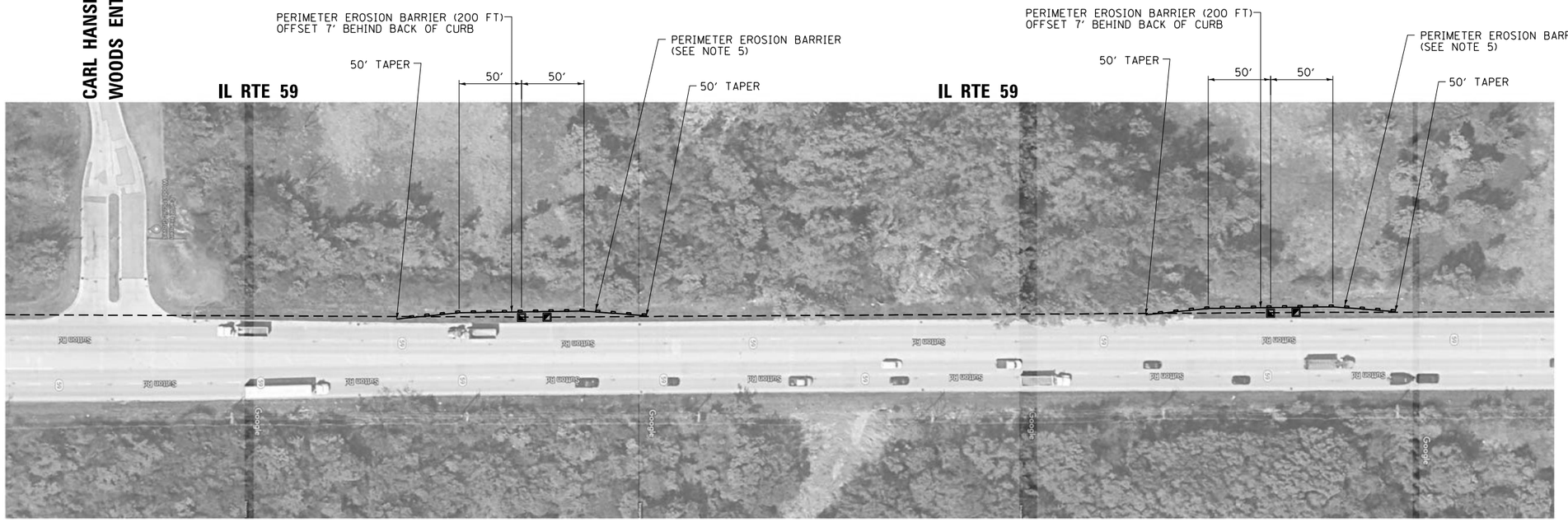
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
IL RTE 59 AT MAGNOLIA LN (E-2, E-3, & E-4)

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	183
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EROSION CONTROL NOTES:

1. THE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.

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3. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.

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ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL./773/774-5900

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PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
IL RTE 59 AT CARL HANSEN WOODS ENTRANCE (E-5 & E-6)

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

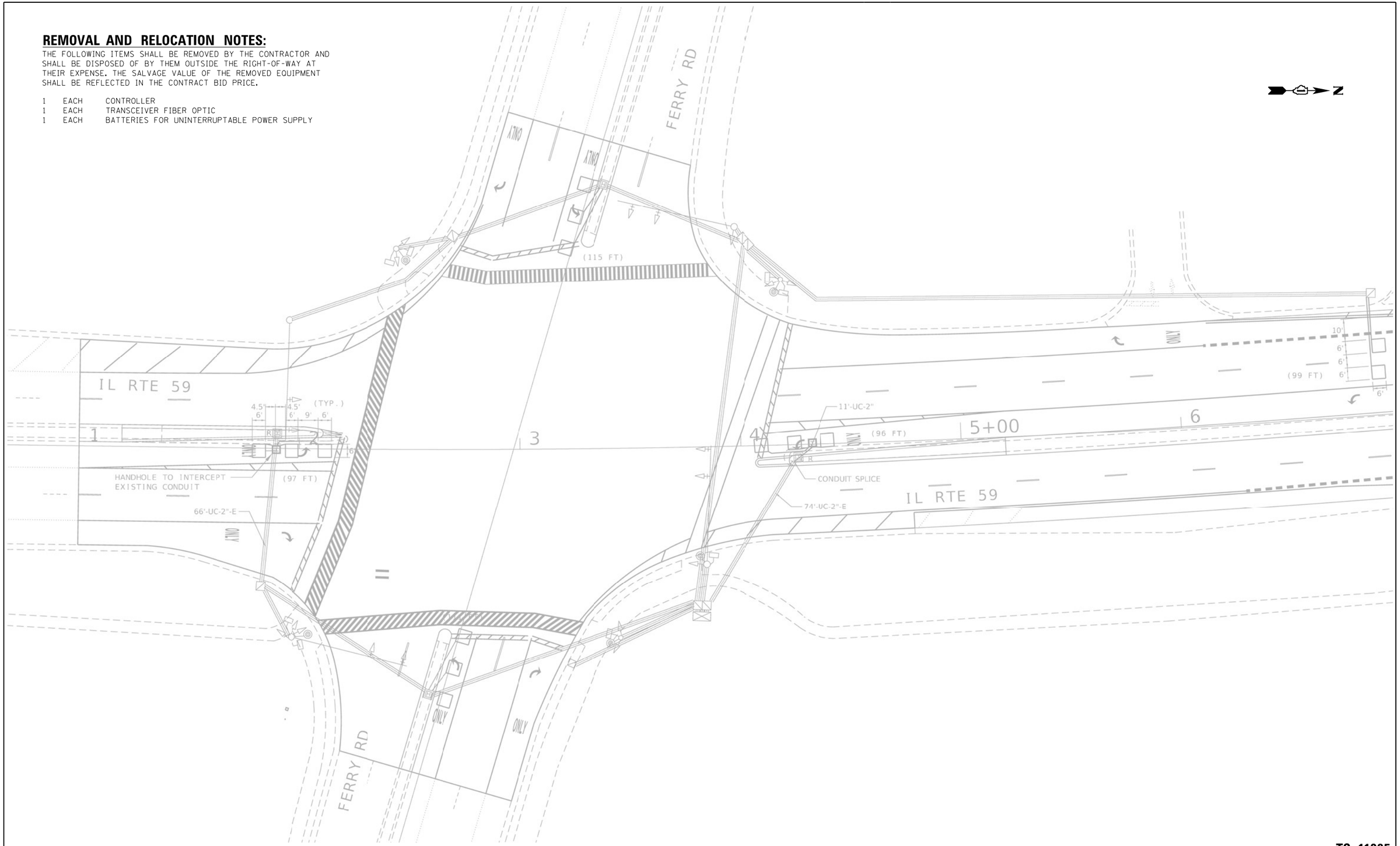
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	184
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\184-Erosion Control_4.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 11085
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

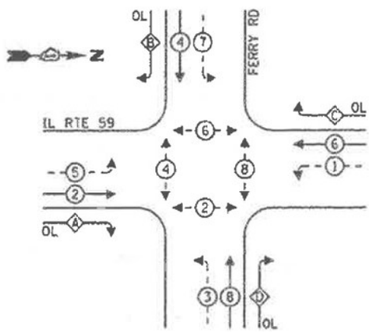
LOCATION #47
IL RTE 59 AT FERRY RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	185
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\185_IL Rte 59 at FERRY RD_INT.dgn

EXISTING CONTROLLER SEQUENCE



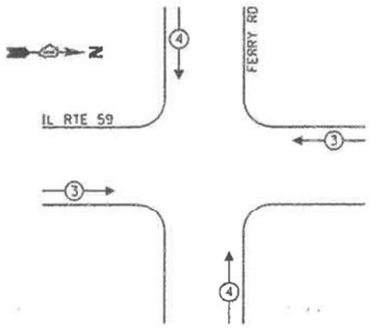
LEGEND:

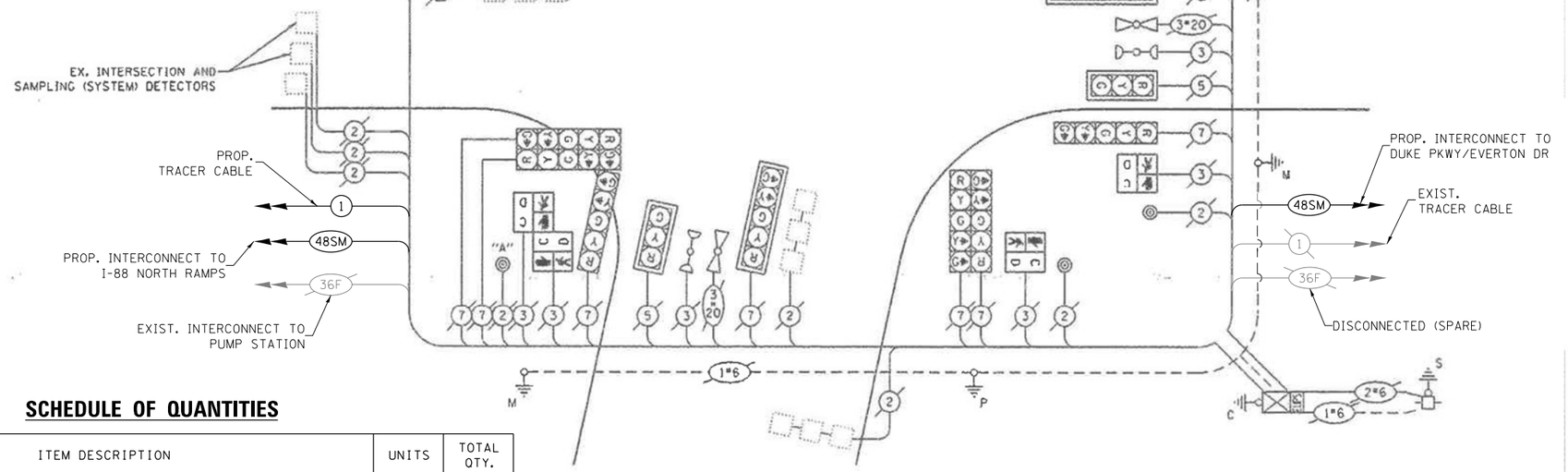
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	32	10	10	32.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	200.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	655.0

ENERGY COSTS TO:

CITY OF NAPERVILLE
400 S EAGLE ST
NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

NOTE:

PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8

TS 11085
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #47
IL RTE 59 AT FERRY RD CABLE PLAN

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

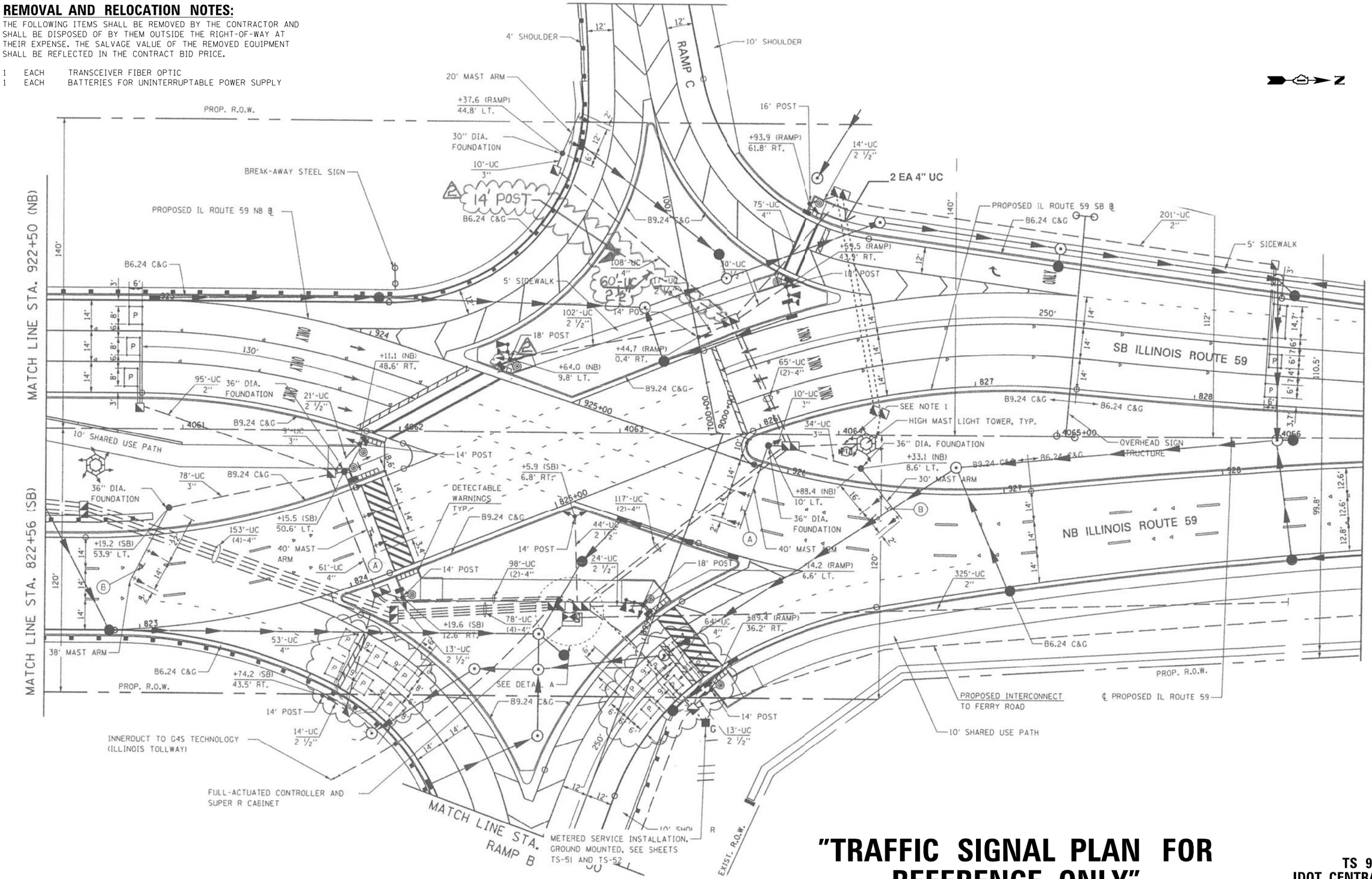
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	186
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\186_IL Rte 59 at FERRY RD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 9472
IDOT CENTRACS
FORMER ECON 25

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\187_IL Rte 59 at I-88_INT.ildgn

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

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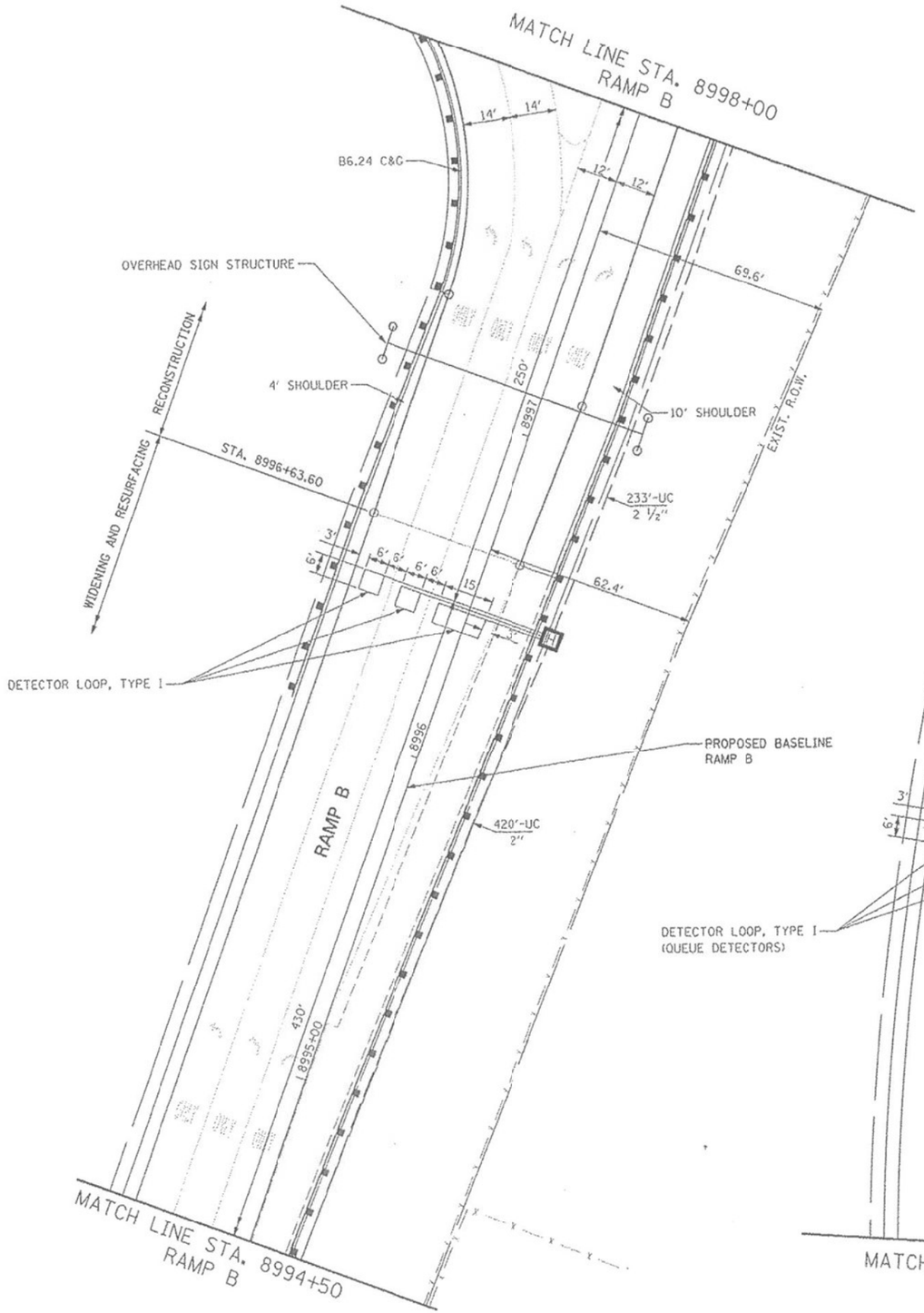
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

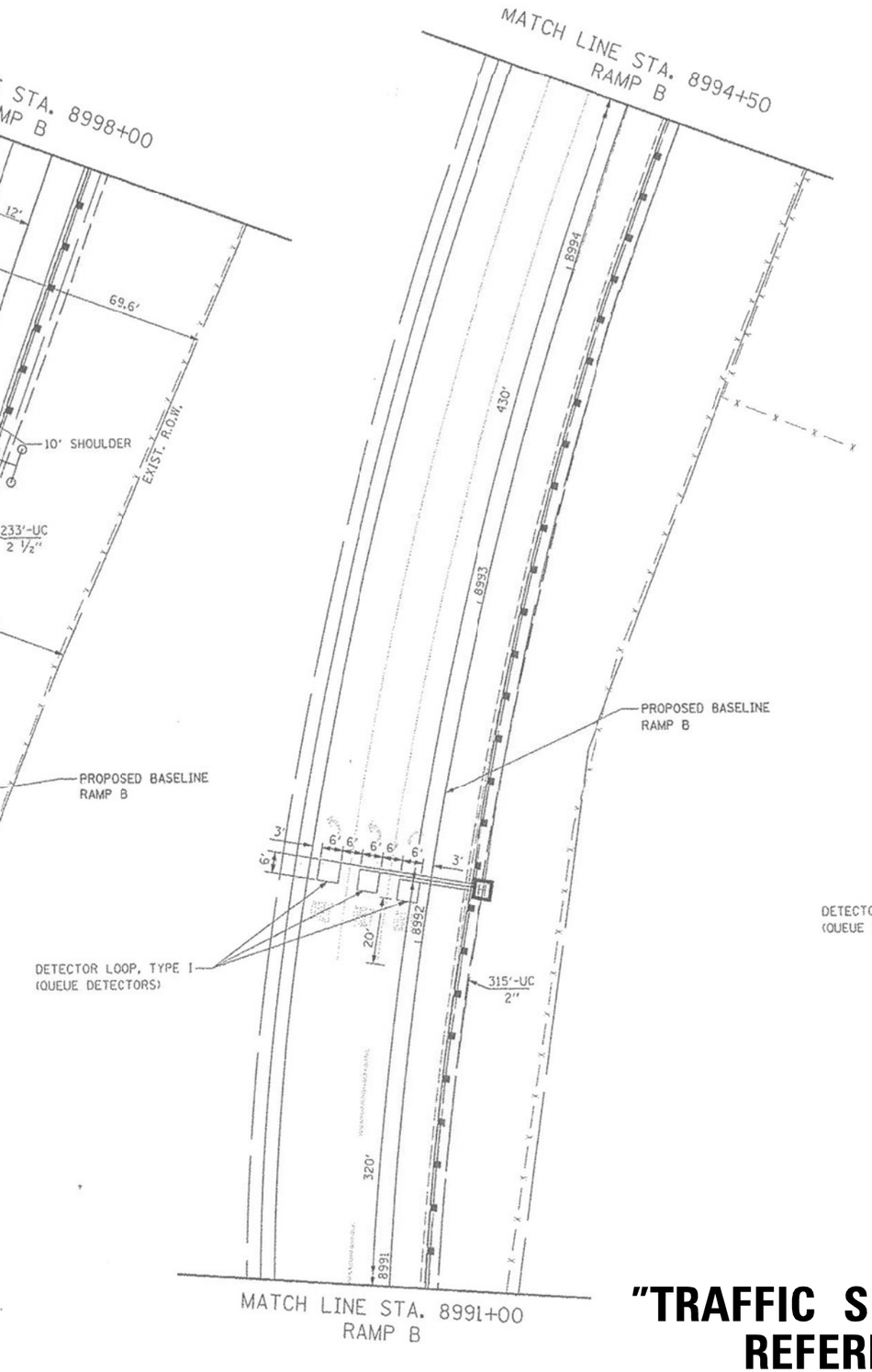
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

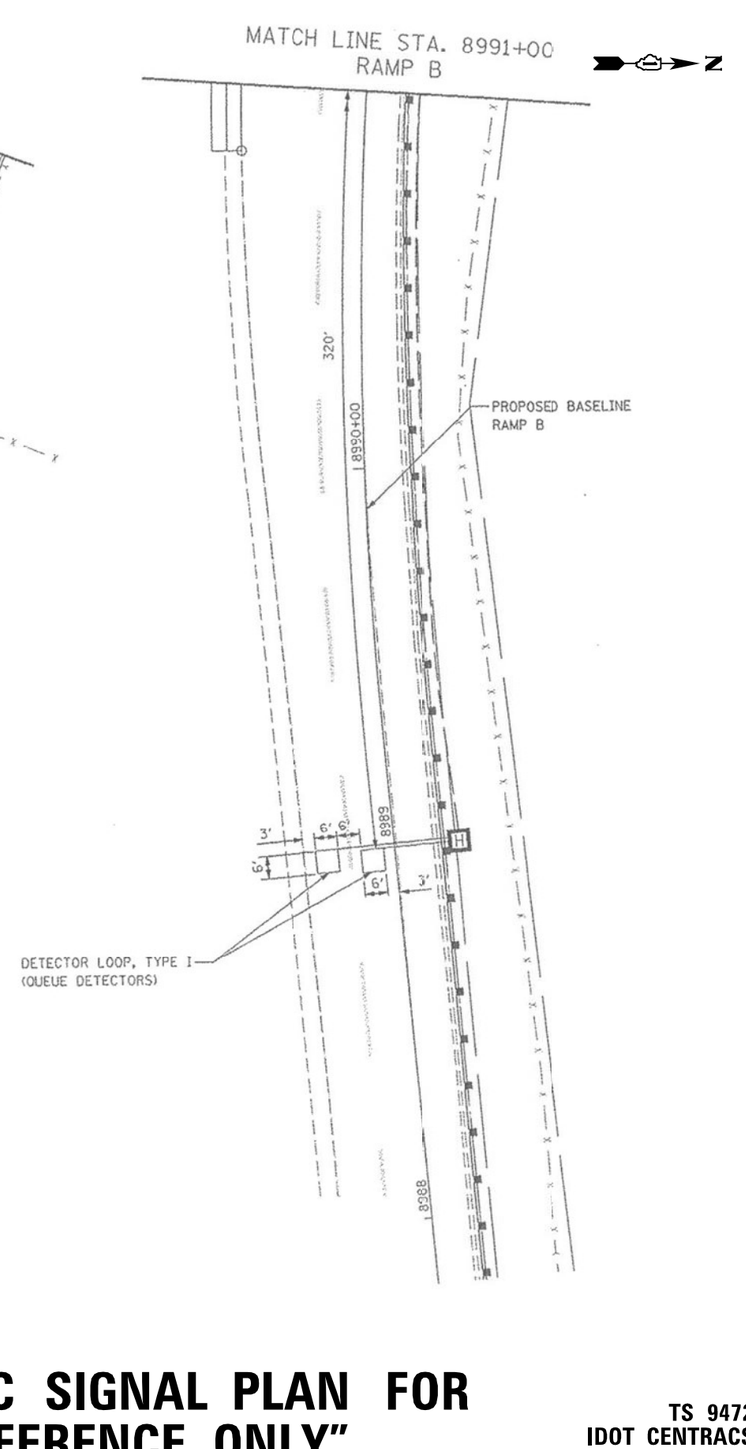
LOCATION #48
IL RTE 59 AT I-88 INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	187
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		







"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 9472
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #48
IL RTE 59 AT I-88 INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	188
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

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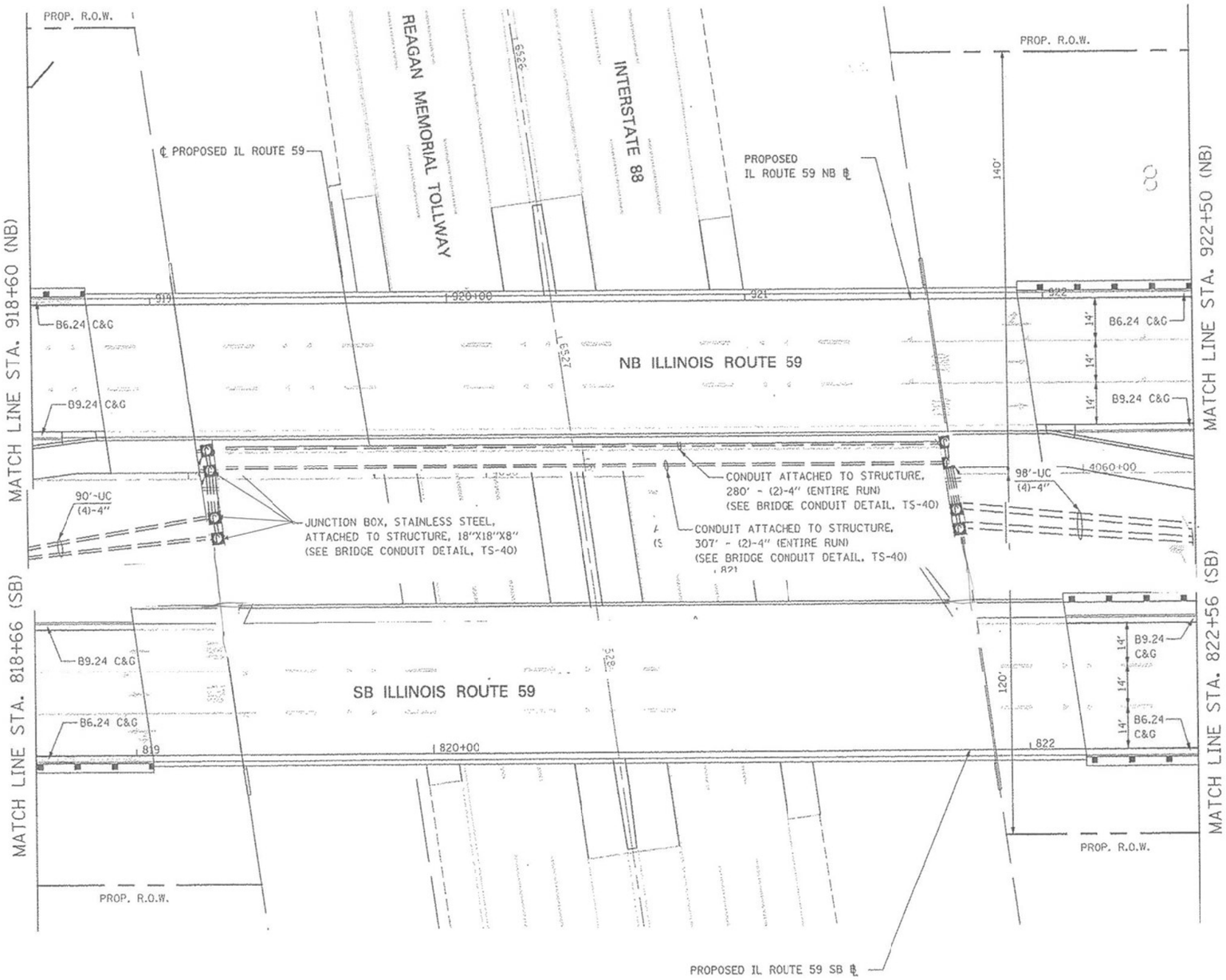

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 9472
IDOT CENTRACS
FORMER ECON 25

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 SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #48
IL RTE 59 AT I-88 INTERSECTION PLAN
SHEET 3

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	189
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

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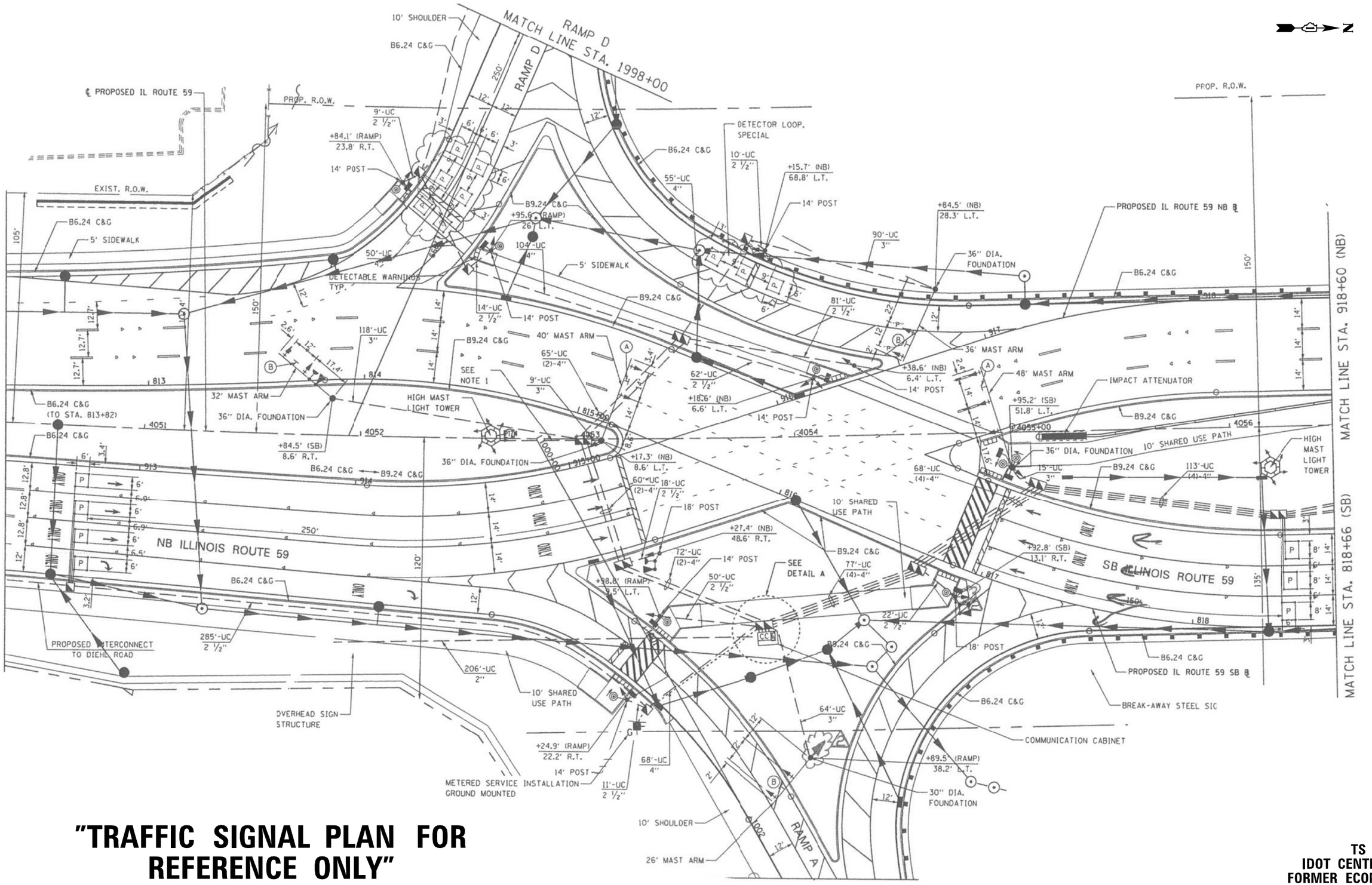

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 9472
IDOT CENTRACS
FORMER ECON 25

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

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	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

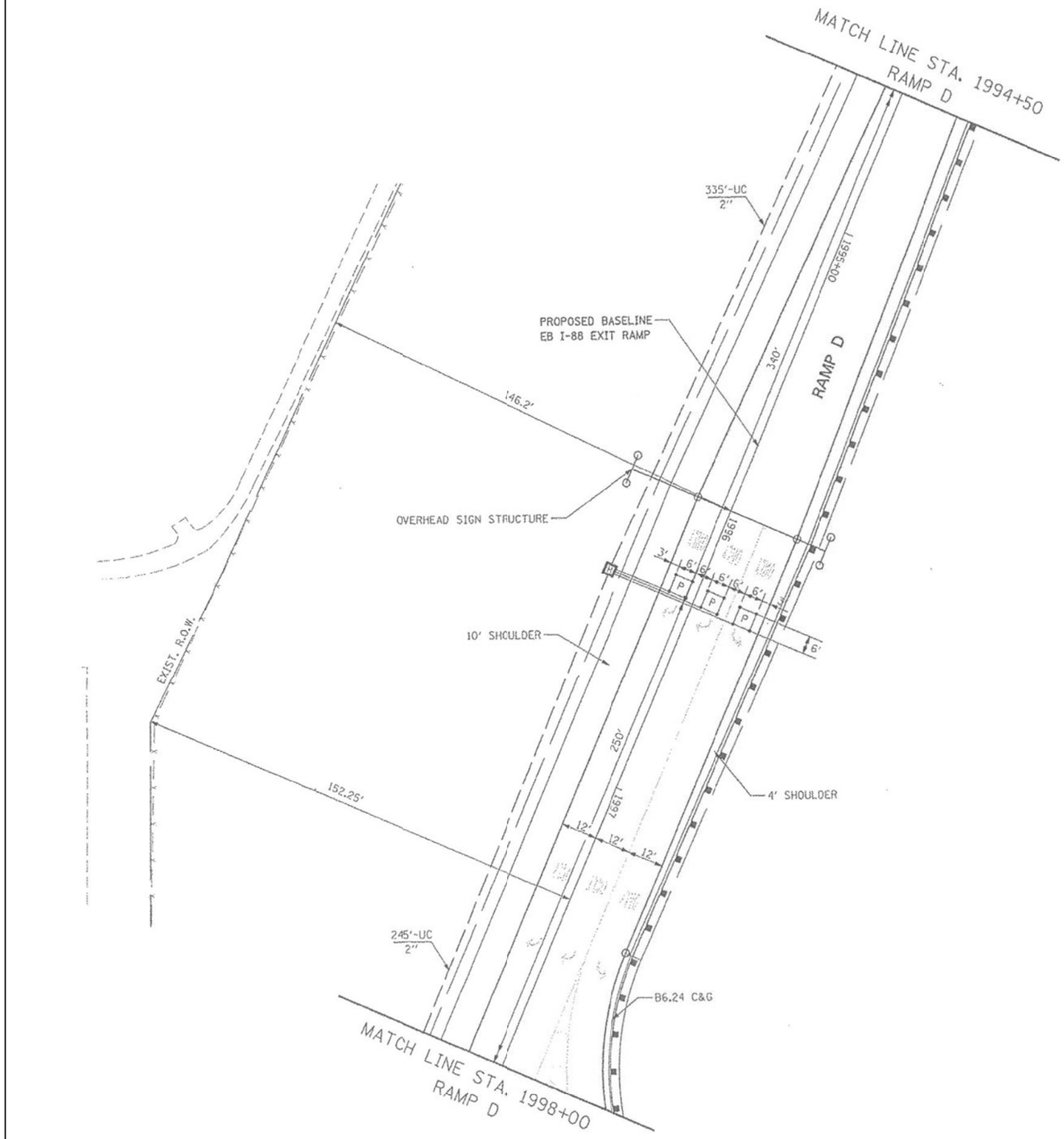
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

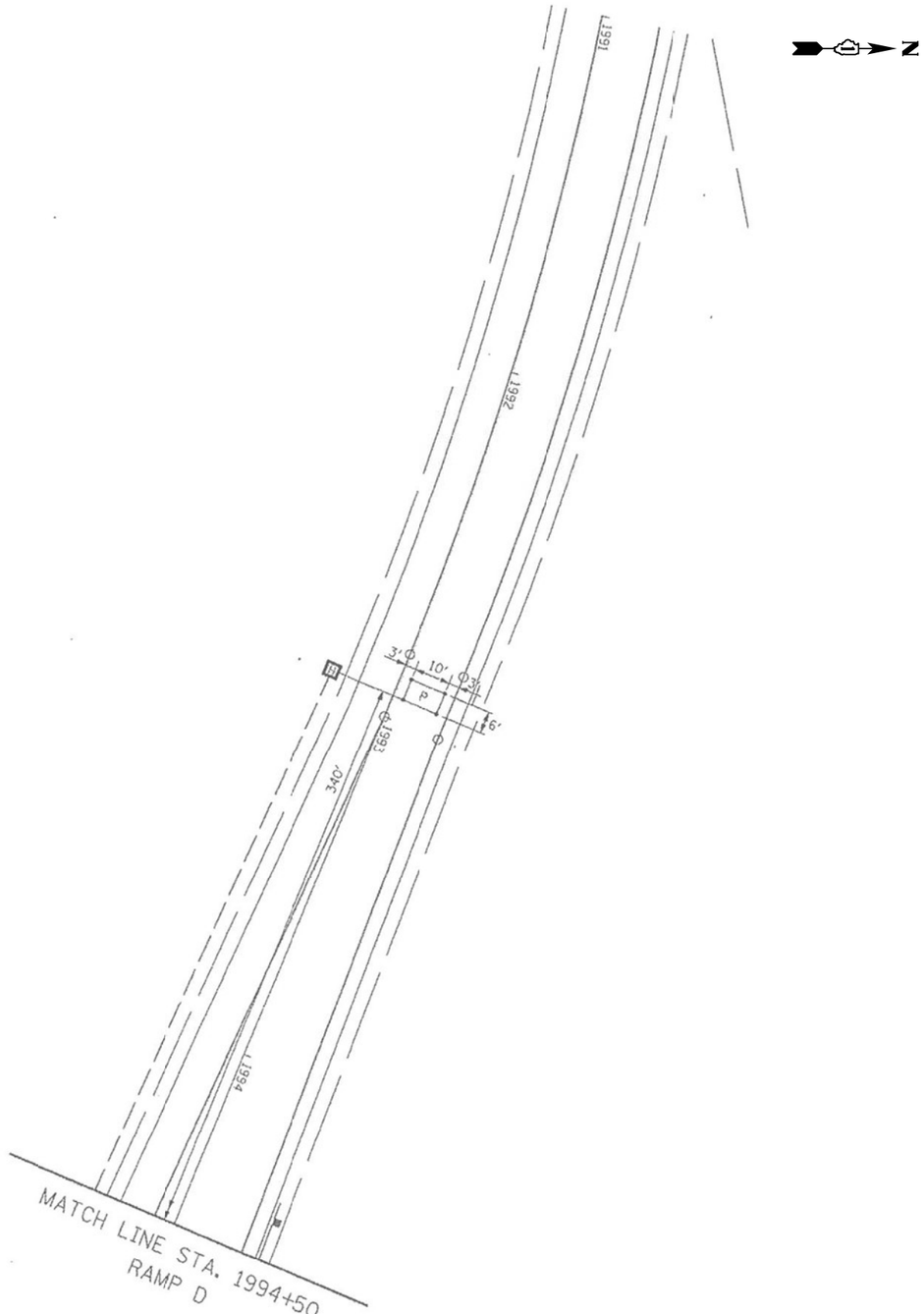
LOCATION #48
IL RTE 59 AT I-88 INTERSECTION PLAN
SHEET 4

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	190
		CONTRACT NO. 62T53		

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





"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 9472
IDOT CENTRACS
FORMER ECON 25

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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	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

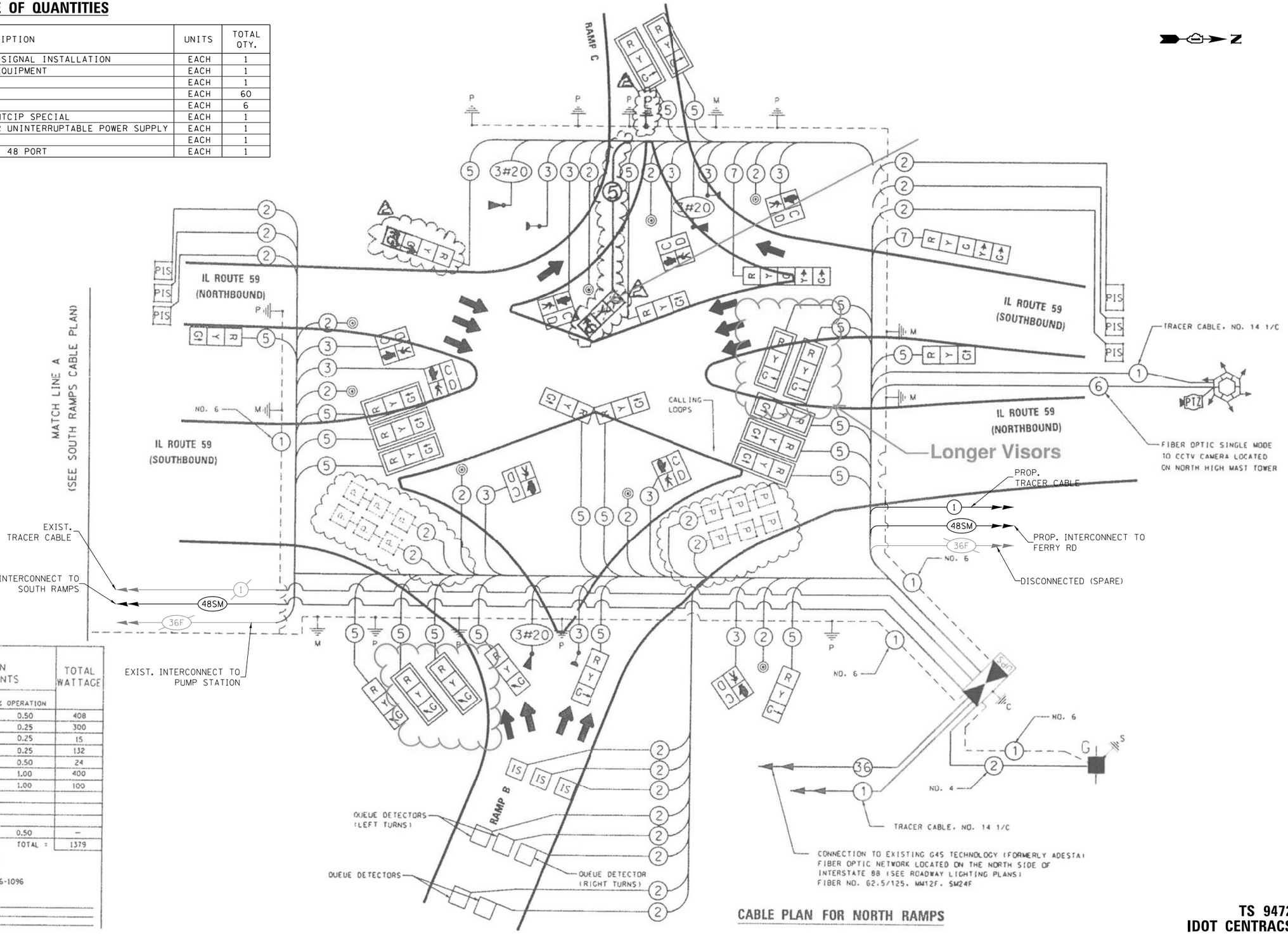
LOCATION #48
IL RTE 59 AT I-88 INTERSECTION PLAN
SHEET 5

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	191
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	60
SPLICE FIBER IN CABINET	EACH	6
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1



CABLE PLAN FOR NORTH RAMPS

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS ×	WATTAGE INCAND.	LED ×	% OPERATION	
SIGNAL (RED)	48		17	0.50	408
(YELLOW)	48		25	0.25	300
(GREEN)	4		15	0.25	15
ARROW (3-HEAD)	44		12	0.25	132
ARROW (5-HEAD)	4		12	0.50	24
PED. SIGNAL	16		25	1.00	400
CONTROLLER	1		100	1.00	100
FLASHER				0.50	—
ENERGY COSTS TO:				TOTAL =	1379

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: BRIAN CHAMBERLAIN
PHONE: 630-420-6653
COMPANY: NAPERVILLE ELECTRIC

TS 9472
IDOT CENTRACS
FORMER ECON 25

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\192_IL Rte 59 at I-88_CD_1.dgn

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 SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

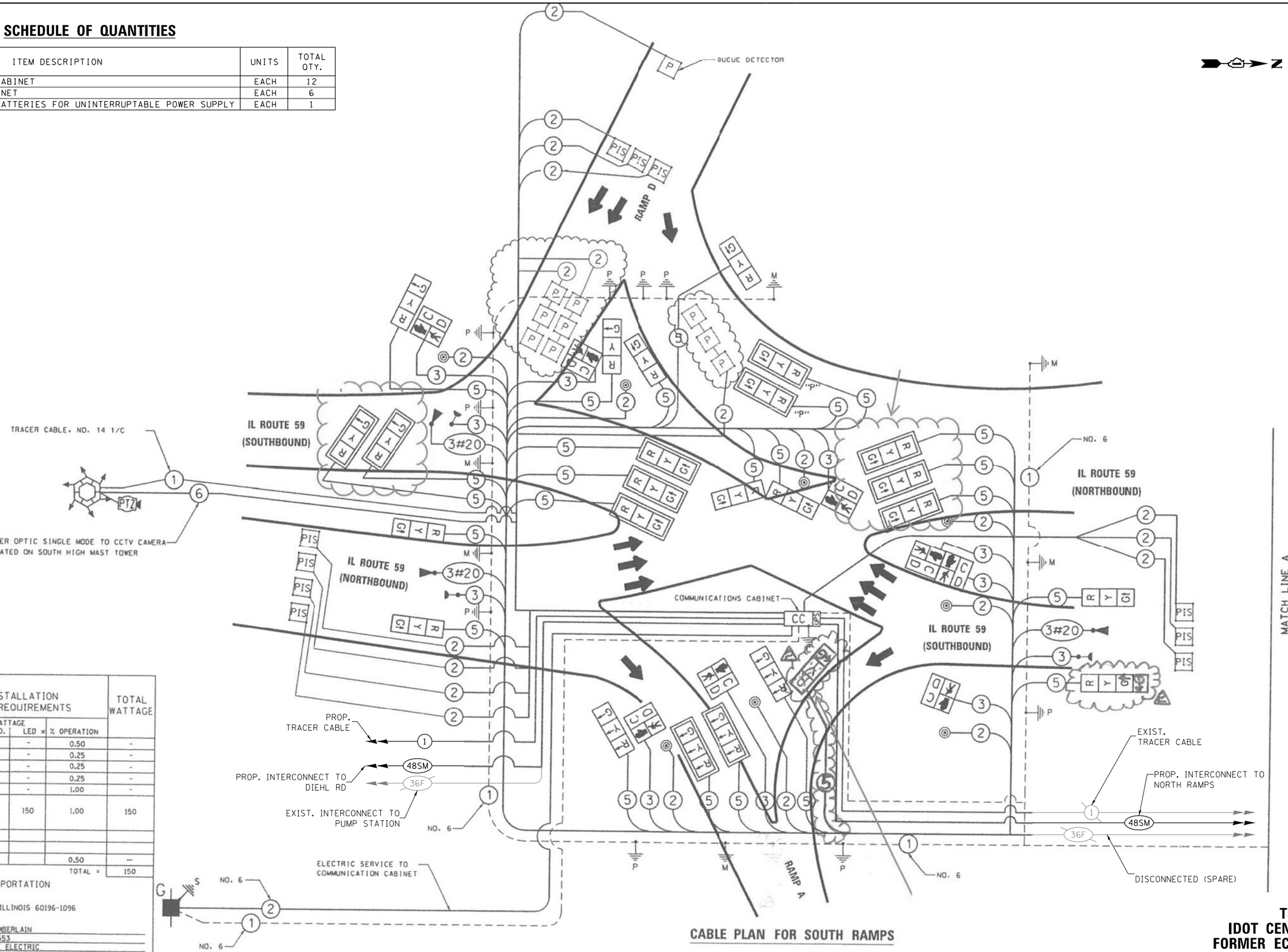
LOCATION #48
IL RTE 59 AT I-88 CABLE PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	192
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1



CABLE PLAN FOR SOUTH RAMPS

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE INCAND.	WATTAGE LED x	% OPERATION	
SIGNAL (RED)	-		-	0.50	-
(YELLOW)	-		-	0.25	-
(GREEN)	-		-	0.25	-
ARROW (GREEN)	-		-	0.25	-
PED. SIGNAL	-		-	1.00	-
COMMUNICATION CABINET EQUIPMENT	1		150	1.00	150
FLASHER				0.50	–
ENERGY COSTS TO:				TOTAL =	150

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: BRIAN CHAMBERLAIN
PHONE: 630-420-6653
COMPANY: NAPERVILLE ELECTRIC

TS 9472
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #48
IL RTE 59 AT I-88 CABLE PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	193
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

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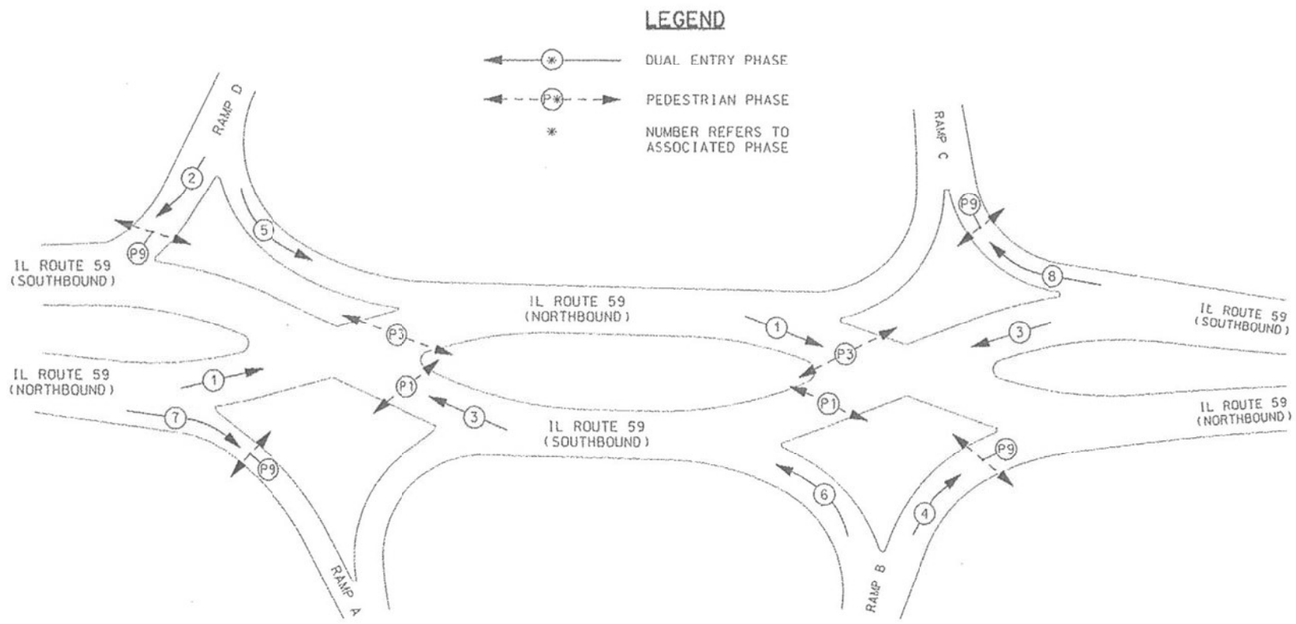
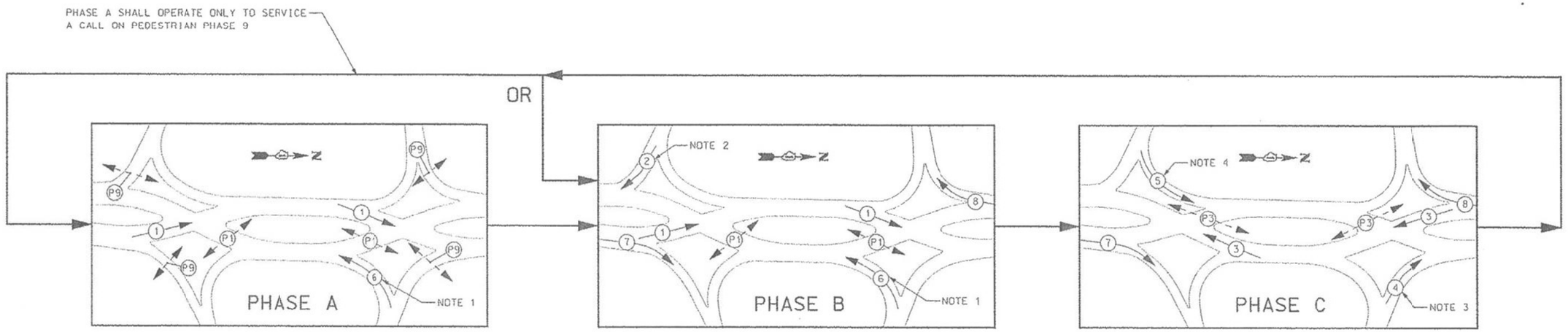


PHASE DESIGNATION DIAGRAM

(SEE CORRESPONDING PHASE SEQUENCE BELOW)



CORRESPONDING PHASE SEQUENCE OF OPERATION

NOTES

1. WHEN GOING FROM PHASE C TO A OR PHASE C TO B, THIS PHASE SHALL USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 8 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.
2. WHEN GOING FROM PHASE C TO B, THIS PHASE SHALL USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 9 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.
3. THIS PHASE SHALL ALWAYS USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 8 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.
4. THIS PHASE SHALL ALWAYS USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 7 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.

TS 9472
IDOT CENTRACS
FORMER ECON 25

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\194_IL Rte 59 at I-88_CD_3.dgn

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

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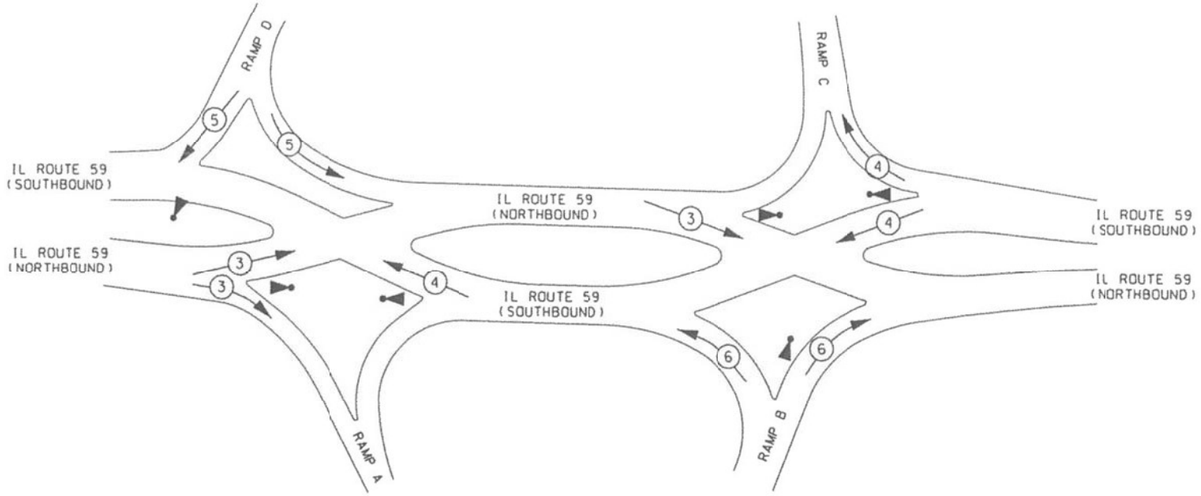
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #48
IL RTE 59 AT I-88 CABLE PLAN
SHEET 3

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	194
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



PROPOSED EMERGENCY VEHICLE PREEMPTORS								
EMERGENCY VEHICLE PREEMPTORS	3		4		5		6	
INTERSECTION	SOUTH	NORTH	SOUTH	NORTH	SOUTH	NORTH	SOUTH	NORTH
MOVEMENT								

EMERGENCY VEHICLE PREEMPTION SEQUENCE

TS 9472
IDOT CENTRACS
FORMER ECON 25

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SUITE 306
CHICAGO, ILLINOIS 60631 TEL./773/774-5900

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #48
IL RTE 59 AT I-88 CABLE PLAN
SHEET 4

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	195
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\195_IL Rte 59 at I-88_CD_4.dgn

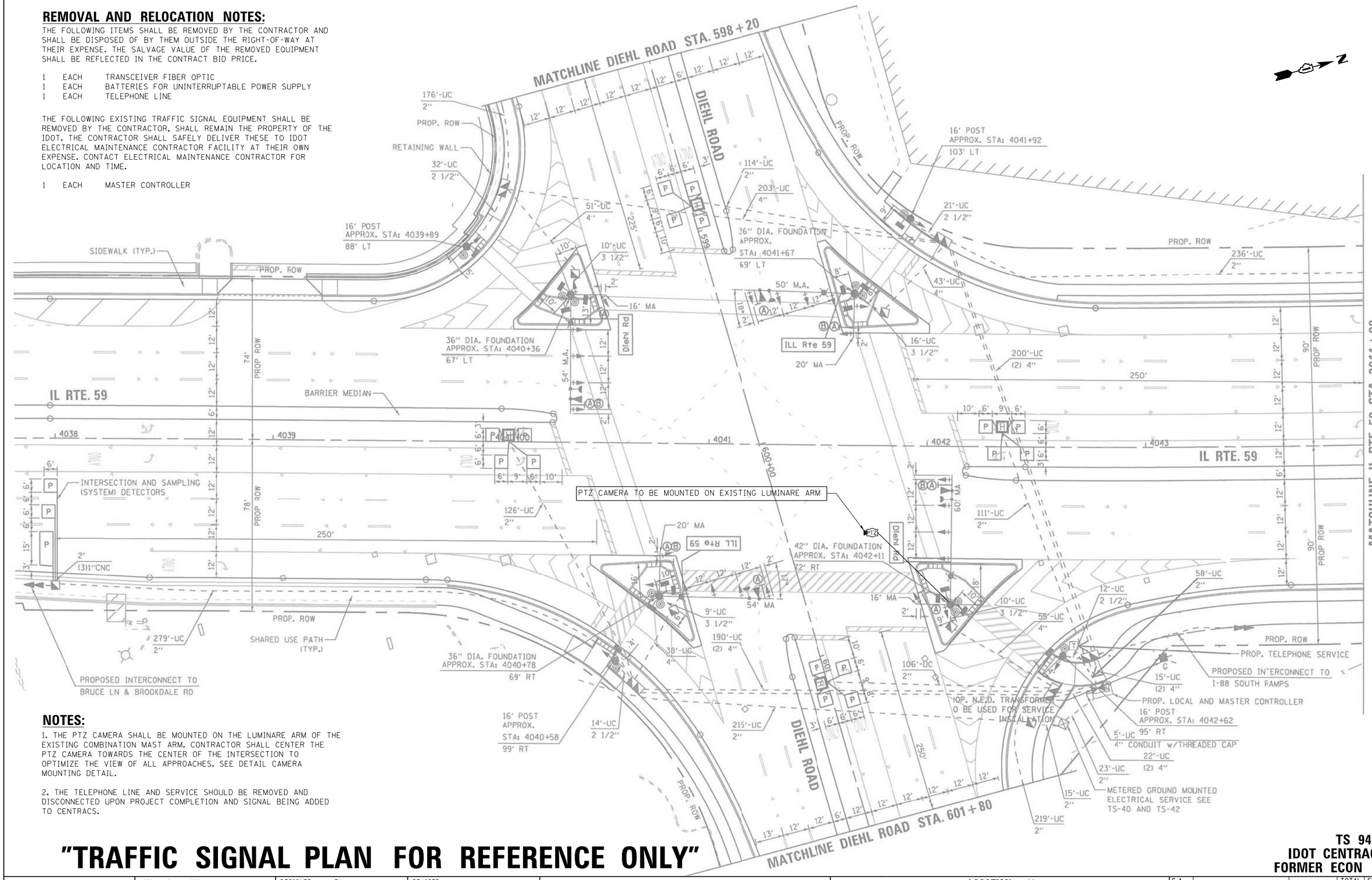
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1 EACH TELEPHONE LINE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH MASTER CONTROLLER



NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. THE TELEPHONE LINE AND SERVICE SHOULD BE REMOVED AND DISCONNECTED UPON PROJECT COMPLETION AND SIGNAL BEING ADDED TO CENTRACS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 9450
IDOT CENTRACS
FORMER ECON 25

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\196_IL Rte 59 at DIEHL RD_INT_1.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

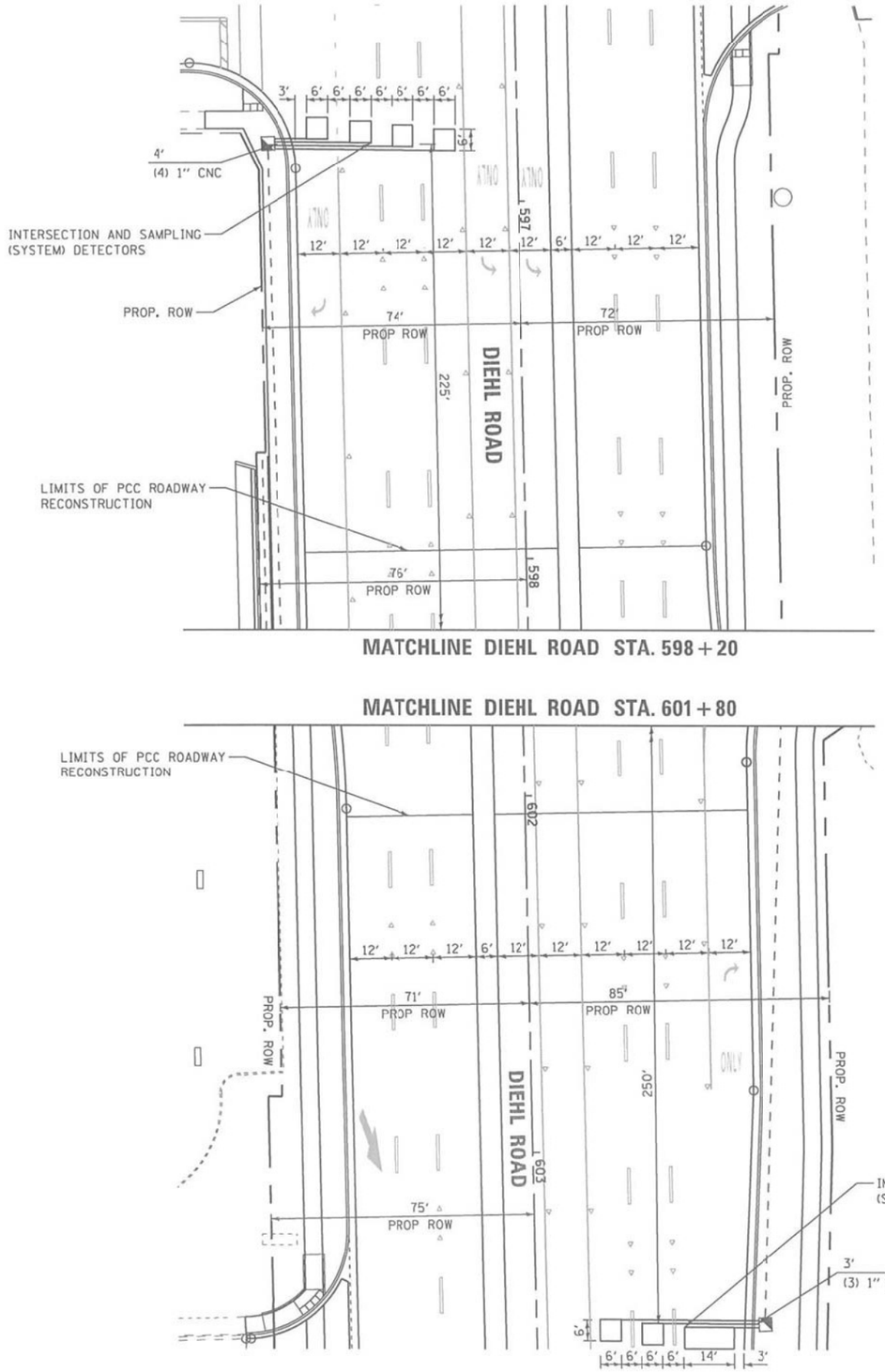
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

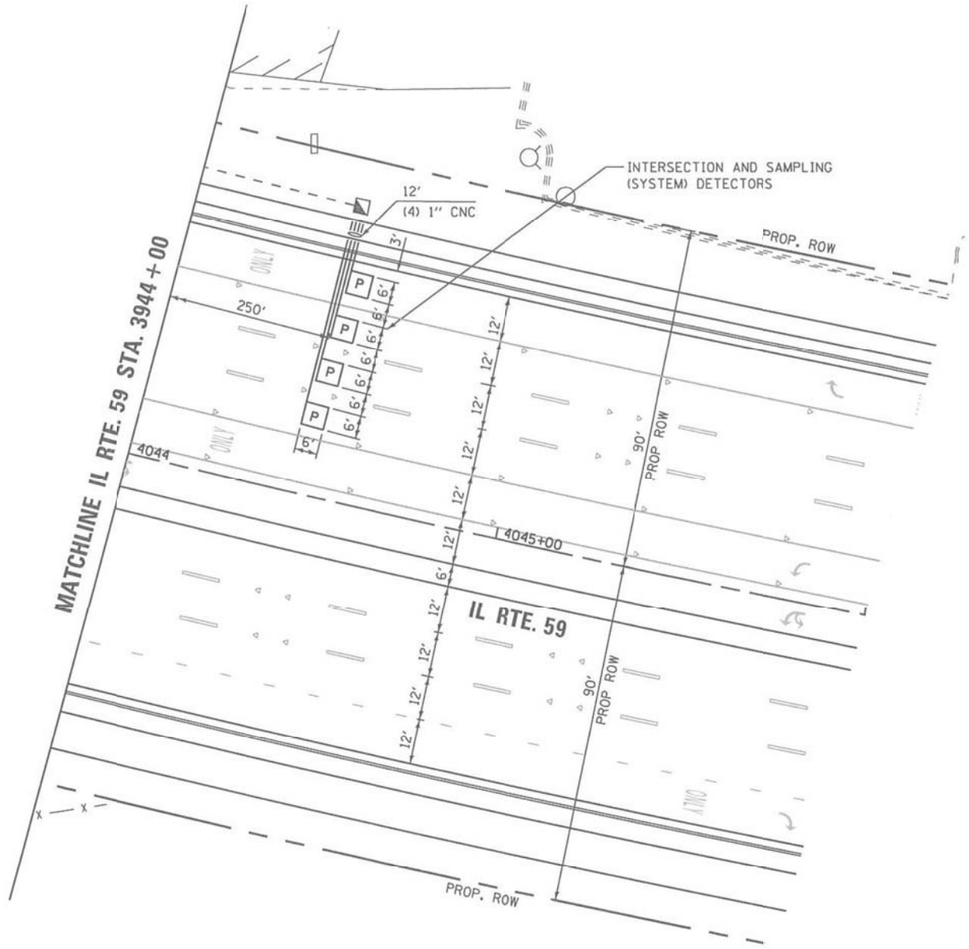
LOCATION #49
IL RTE 59 AT DIEHL RD INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	196
		CONTRACT NO. 62T53		

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





"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 9450
IDOT CENTRACS
FORMER ECON 25

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.(773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
		DRAWN - EA, AV	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

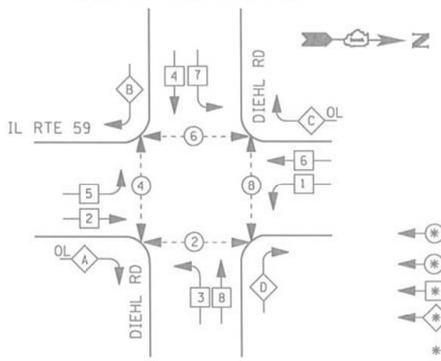
LOCATION #49
IL RTE 59 AT DIEHL RD INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	197
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\197_IL Rte 59 at DIEHL RD_INT_2.dgn

CONTROLLER SEQUENCE



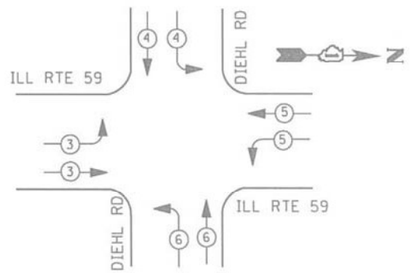
PHASE DESIGNATION DIAGRAM

LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1



EMERGENCY VEHICLE PREEMPTION SEQUENCE

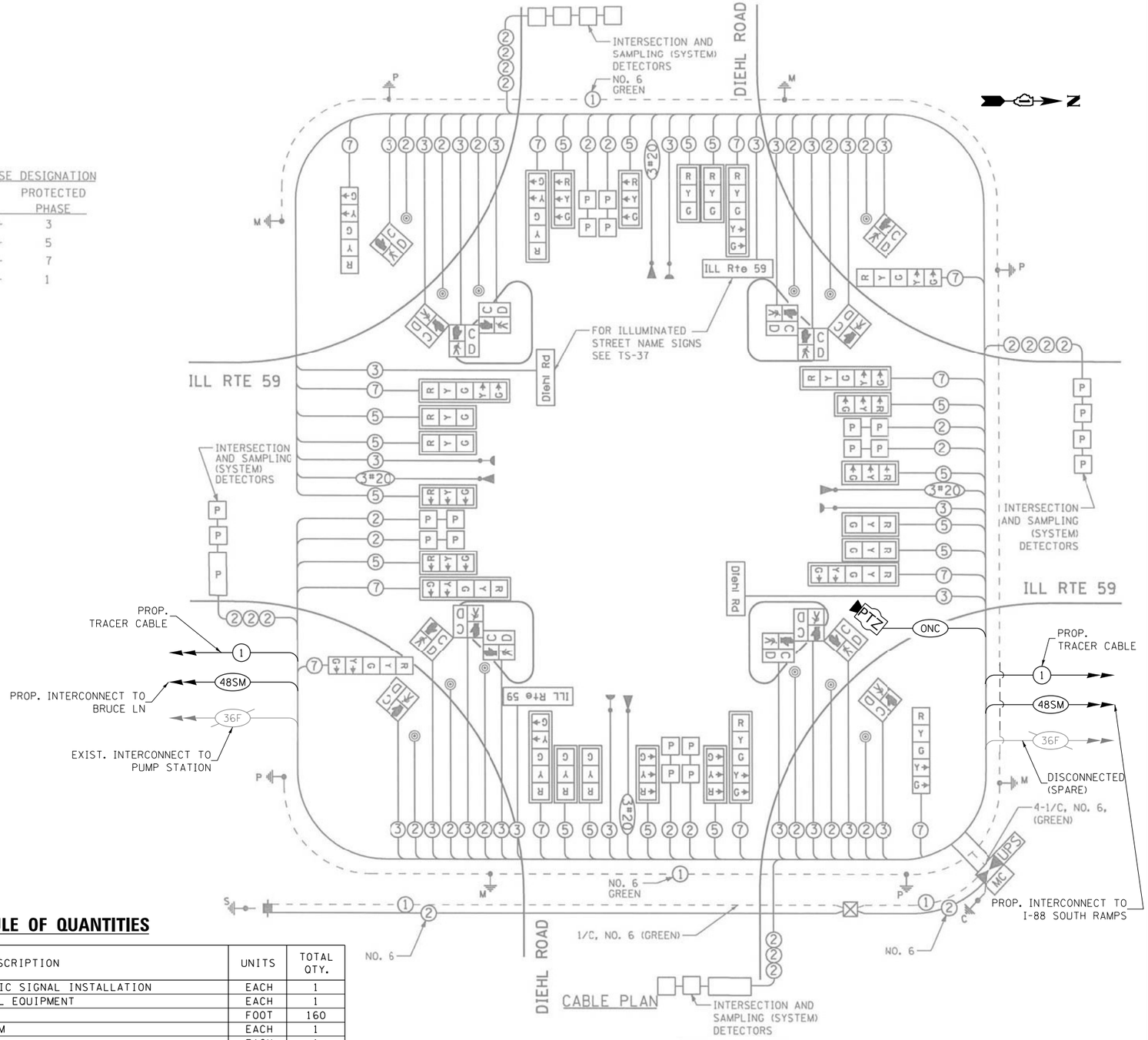
EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	28	135	17	0.50	238
(YELLOW)	28	135	25	0.25	175
(GREEN)	28	135	15	0.25	105
ARROW	24	135	12	0.10	28
PED. SIGNAL	16	90	25	1.00	400
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4	--	90	0.50	180
			TOTAL =		1226

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60195-1096

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
PHONE NAPERVILLE ELECTRIC DEPT.
630-420-6653



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	160
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 9450
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #49
IL RTE 59 AT DIEHL RD CABLE PLAN

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

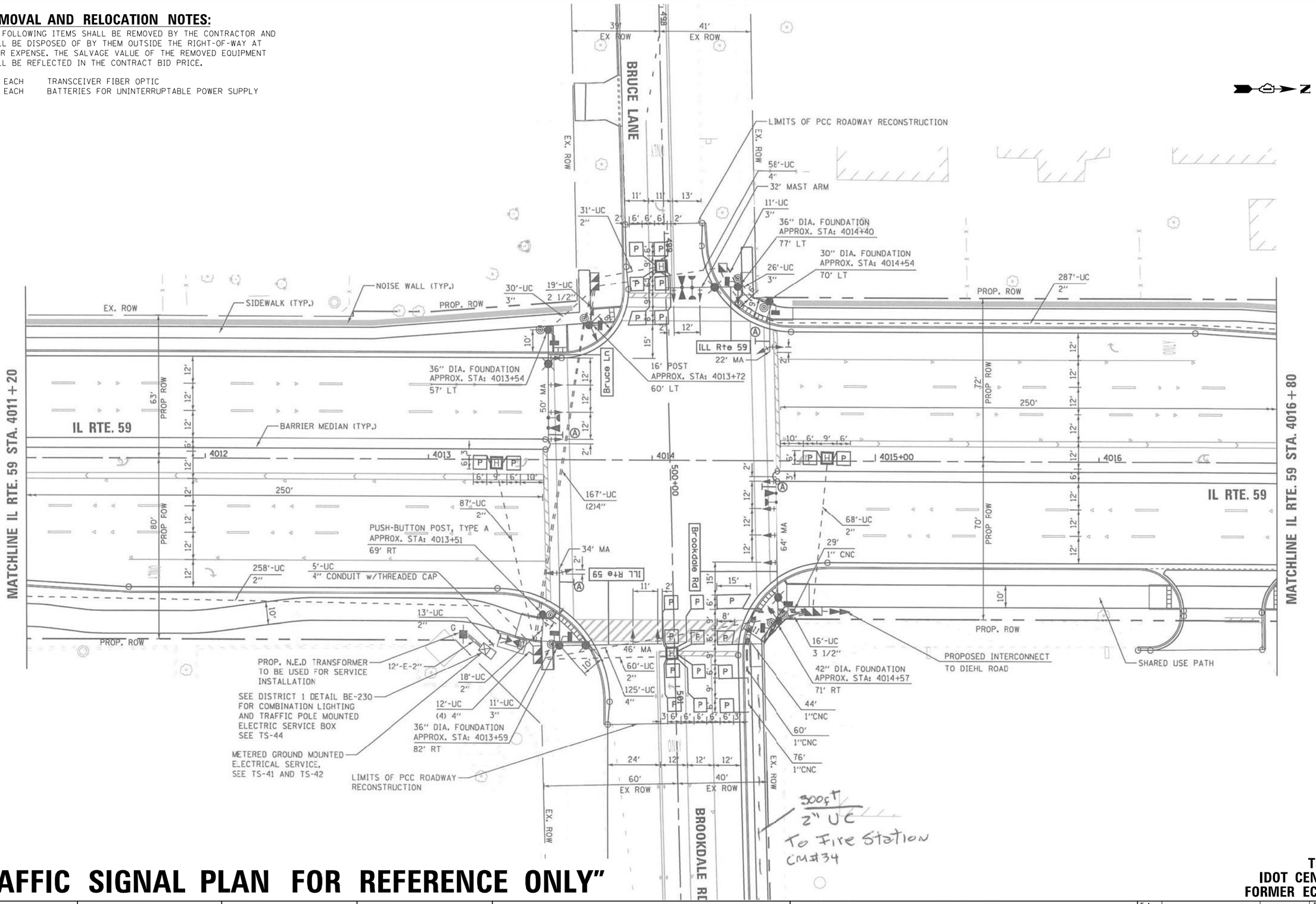
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	198
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\198_IL Rte 59 at DIEHL RD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 9455
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

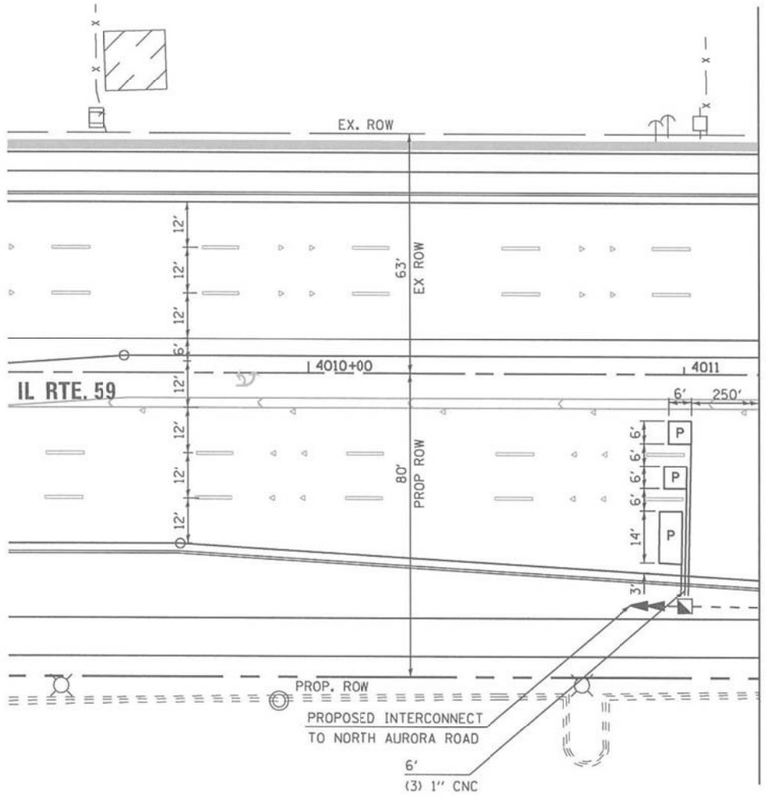
LOCATION #50
IL RTE 59 AT BRUCE LN/BROOKDALE DR INTERSECTION PLAN
SHEET 1

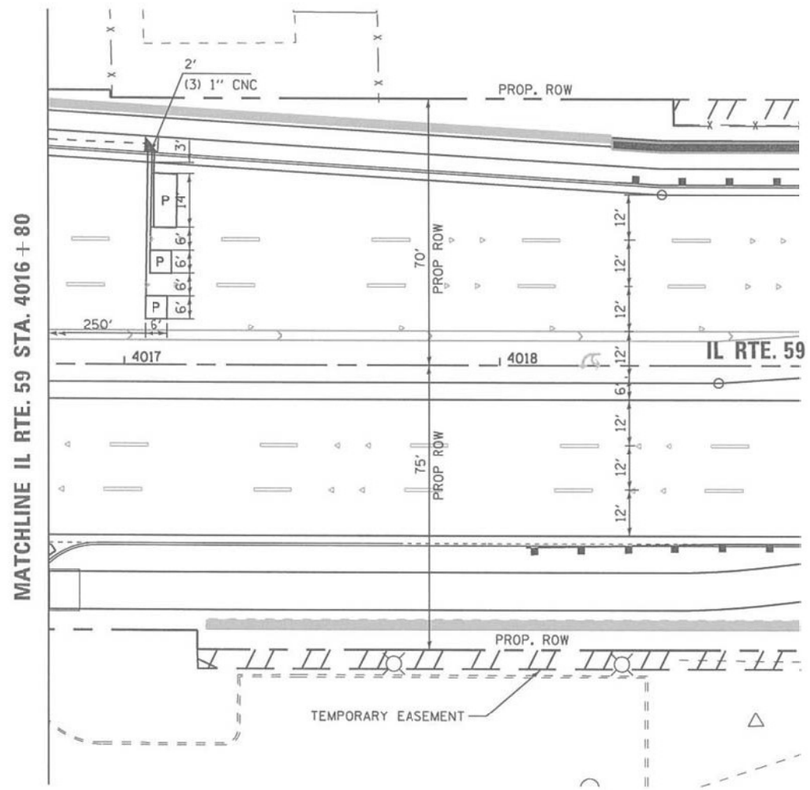
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	199
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\199_IL Rte 59 at BRUCE LN_INT_1.dgn





"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 9455
IDOT CENTRACS
FORMER ECON 25

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD.Sheets\200.IL Rte 59 at BRUCE LN.INT.2.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

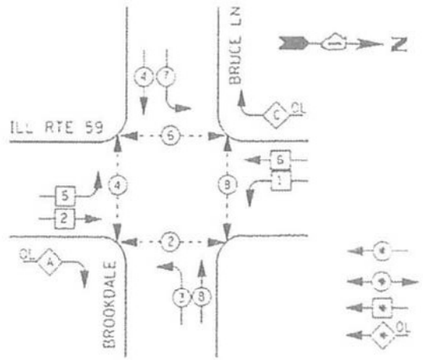
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #50
IL RTE 59 AT BRUCE LN/BROOKDALE DR INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	200
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE



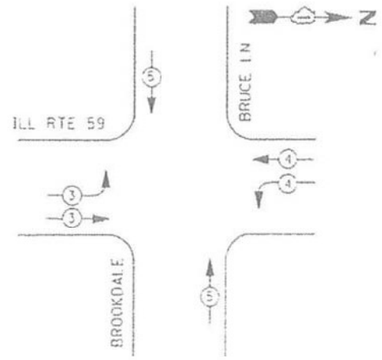
PHASE DESIGNATION DIAGRAM

LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
4	=	2	+	3
C	=	6	+	7



EMERGENCY VEHICLE PREEMPTION SEQUENCE

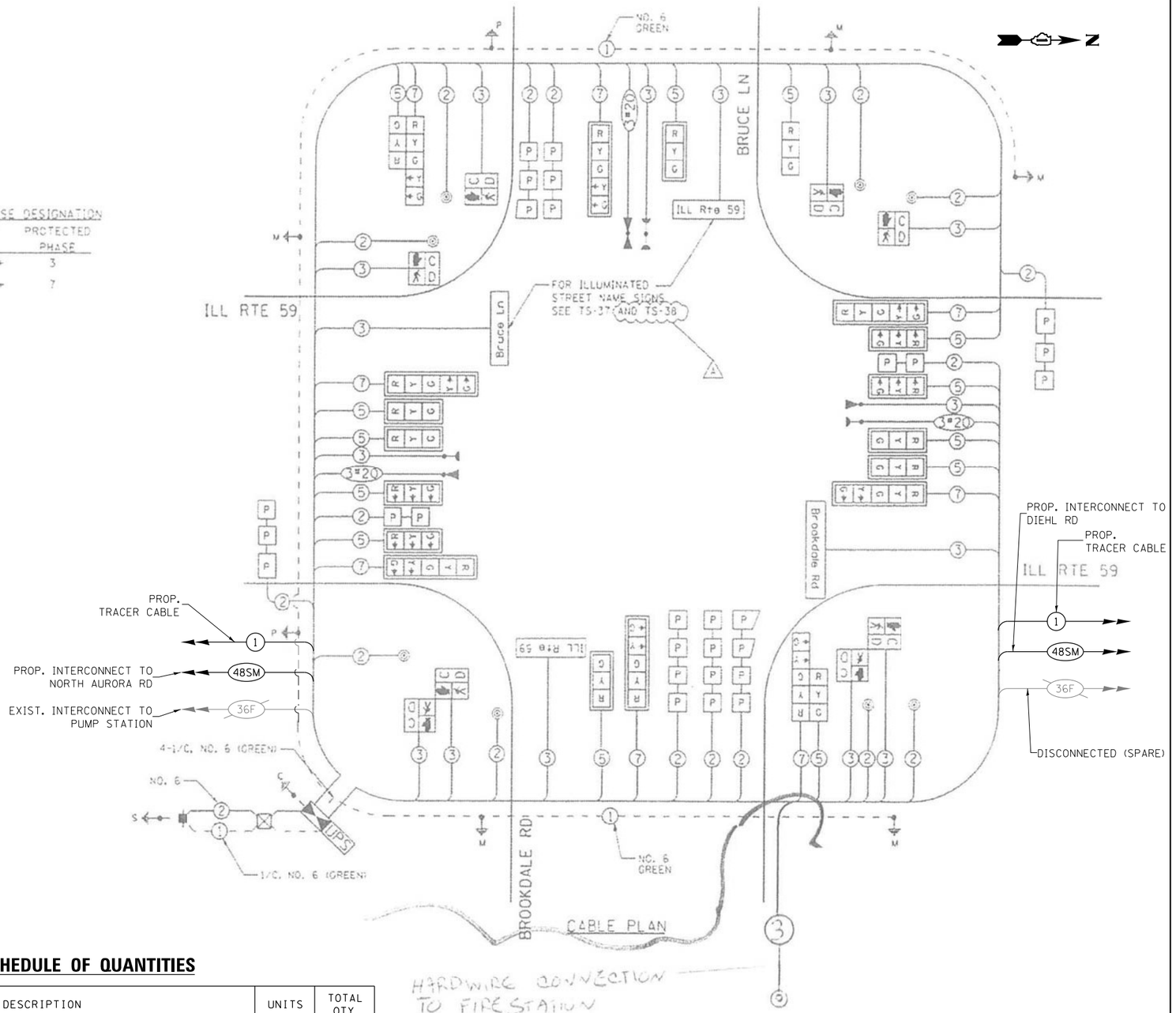
EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	21	135	17	0.50	179
(YELLOW)	21	135	25	0.25	131
(GREEN)	21	135	15	0.25	79
ARROW	16	135	12	0.10	19
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4	--	90	0.50	180
				TOTAL =	888

ENERGY COSTS- BILLED TO: CITY OF NAPERVILLE
400 S. EAGLE STREET
NAPERVILLE, IL 60540

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
PHONE NAPERVILLE ELECTRIC DEPT.
630-420-6651



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 9455
IDOT CENTRACS
FORMER ECON 25

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\201_IL Rte 59 at BRUCE LN_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #50
IL RTE 59 AT BRUCE LN/BROOKDALE RD CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	201
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

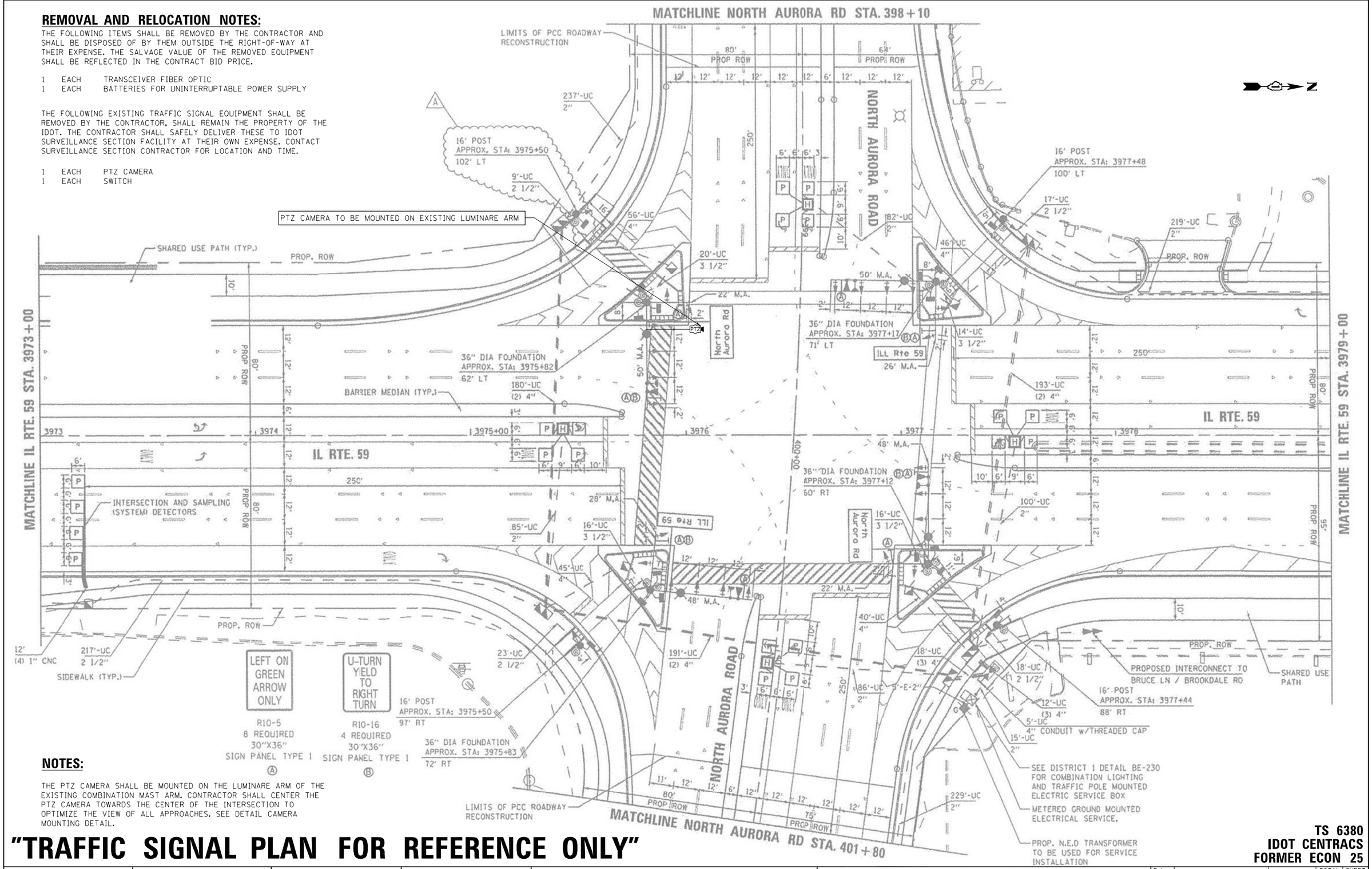
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT SURVEILLANCE SECTION FACILITY AT THEIR OWN EXPENSE. CONTACT SURVEILLANCE SECTION CONTRACTOR FOR LOCATION AND TIME.

1 EACH PTZ CAMERA
1 EACH SWITCH



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6380
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #51
IL RTE 59 AT NORTH AURORA RD INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	202
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

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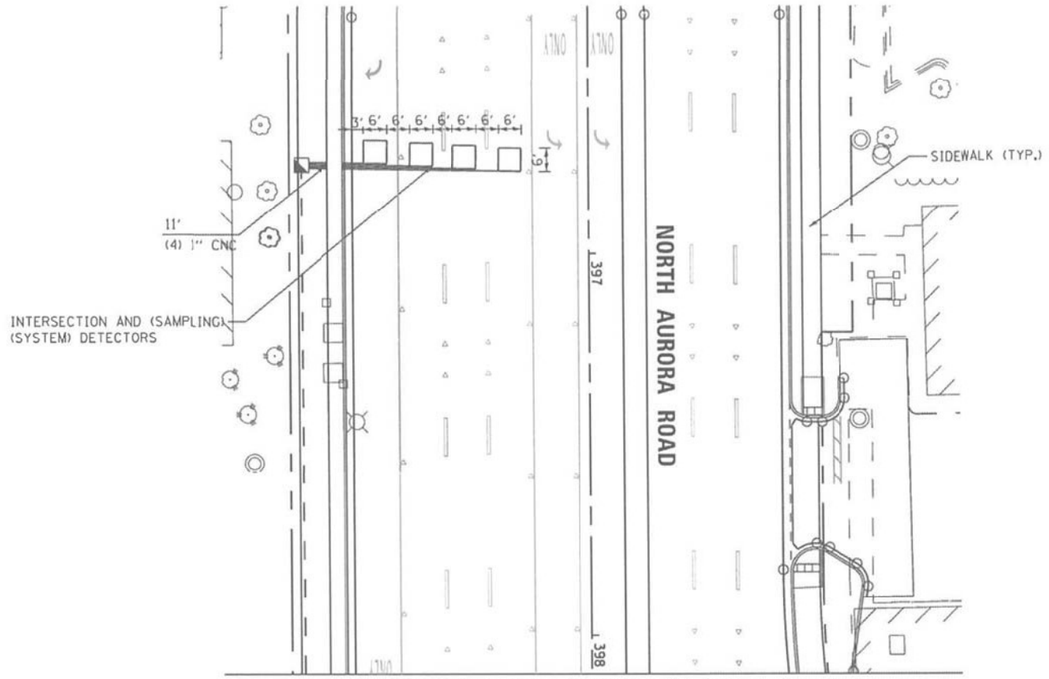
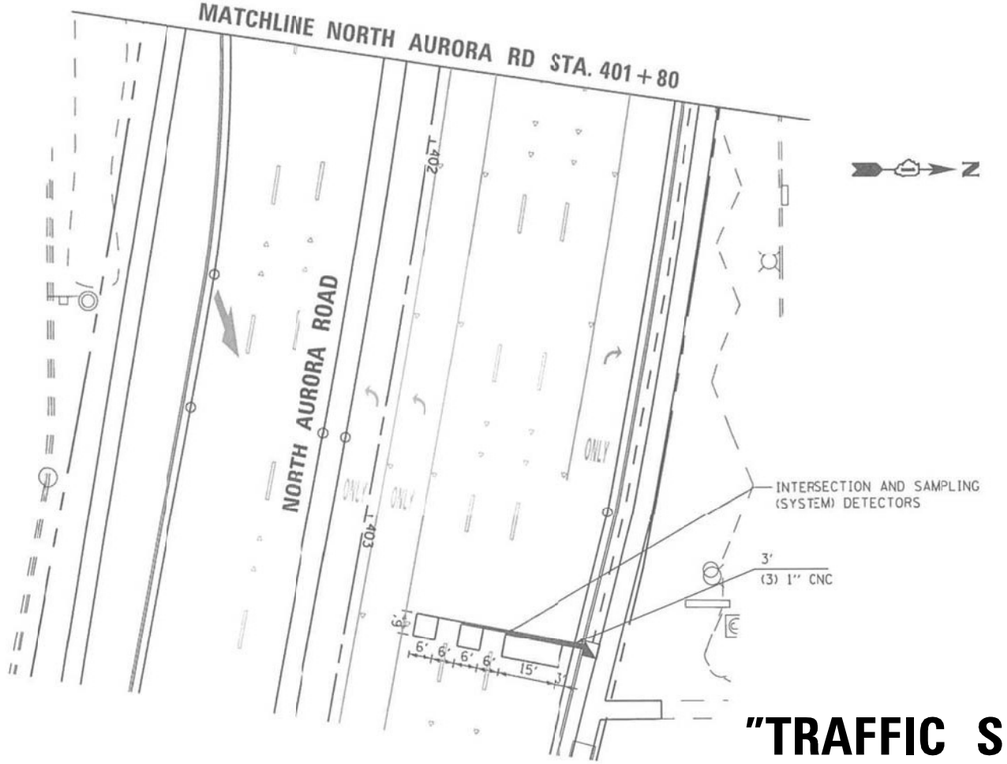
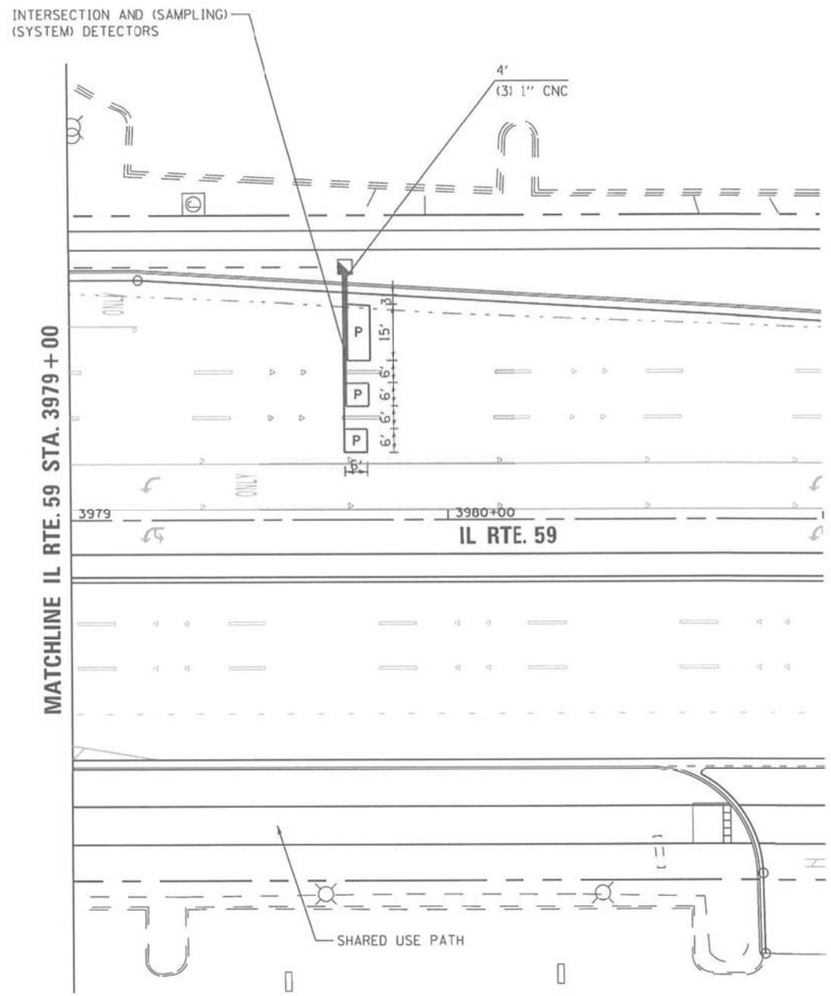


MATCHLINE NORTH AURORA RD STA. 398+10

MATCHLINE NORTH AURORA RD STA. 401+80





"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6380
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

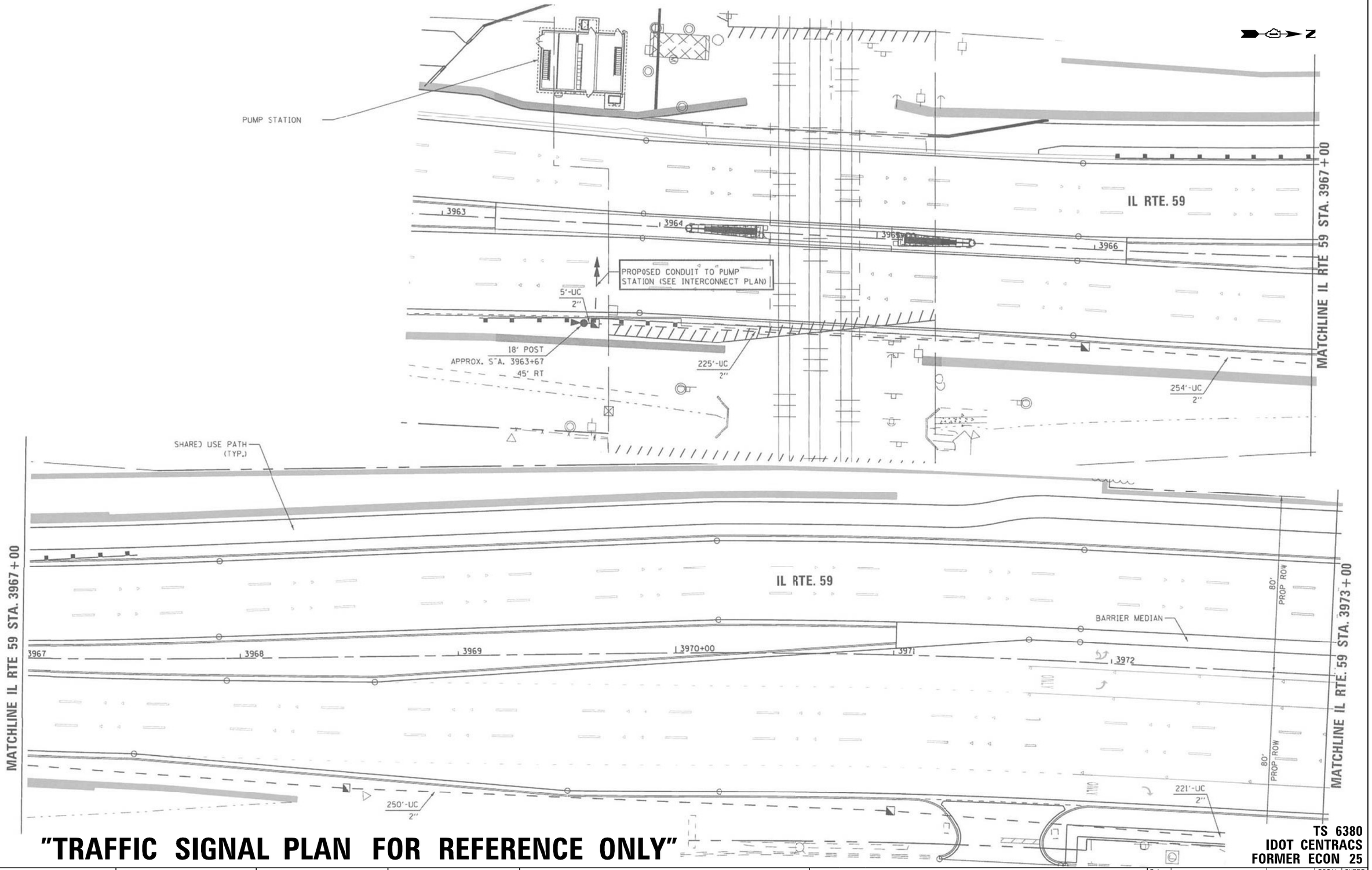
LOCATION #51
IL RTE 59 AT NORTH AURORA RD INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	203
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\283_IL Rte 59 at NORTH AURORA RD_INT_2.dgn



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6380
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

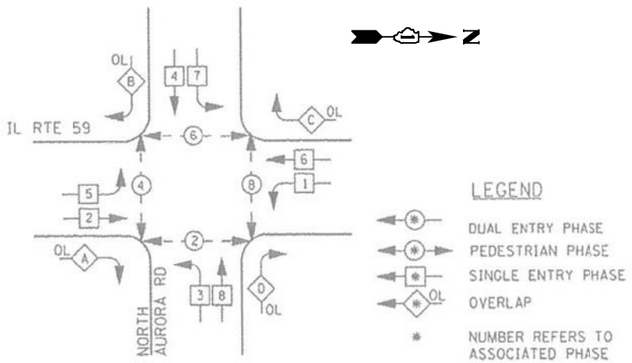
LOCATION #51
IL RTE 59 AT NORTH AURORA RD INTERSECTION PLAN
SHEET 3

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	204
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

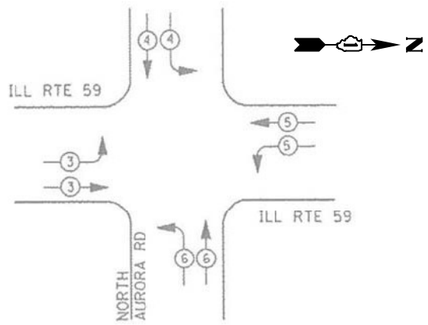
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\204_IL Rte 59 at NORTH AURORA RD_INT_3.dgn

CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1



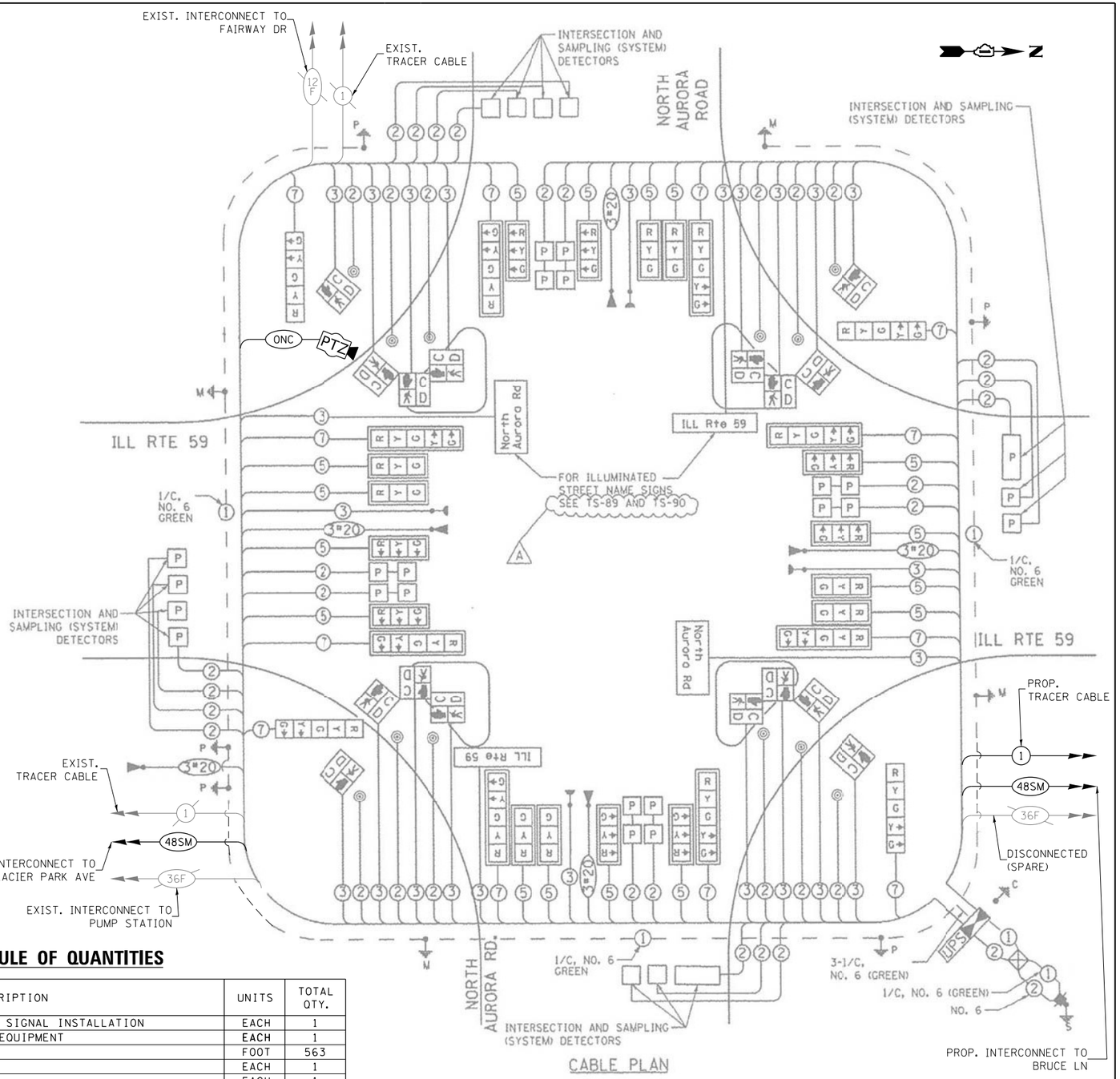
EMERGENCY VEHICLE PREEMPTION SEQUENCE

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	28	135	17	0.50	238
(YELLOW)	28	135	25	0.25	175
(GREEN)	28	135	15	0.25	105
ARROW	24	135	12	0.10	29
PED. SIGNAL	16	90	25	1.00	400
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4	--	90	0.50	180
VIDEO SYSTEM	1	150	--	1.00	150
				TOTAL =	1377

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
PHONE NAPERVILLE ELECTRIC DEPT.
630-420-6653



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	563
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	30
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
TERMINAL SERVER	EACH	1

TS 6380
IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 '/ in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #51
IL RTE 59 AT NORTH AURORA RD CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	205
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\205_IL Rte 59 at NORTH AURORA RD_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CABINET
1 EACH TRANSCEIVER FIBER OPTIC
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECAIL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

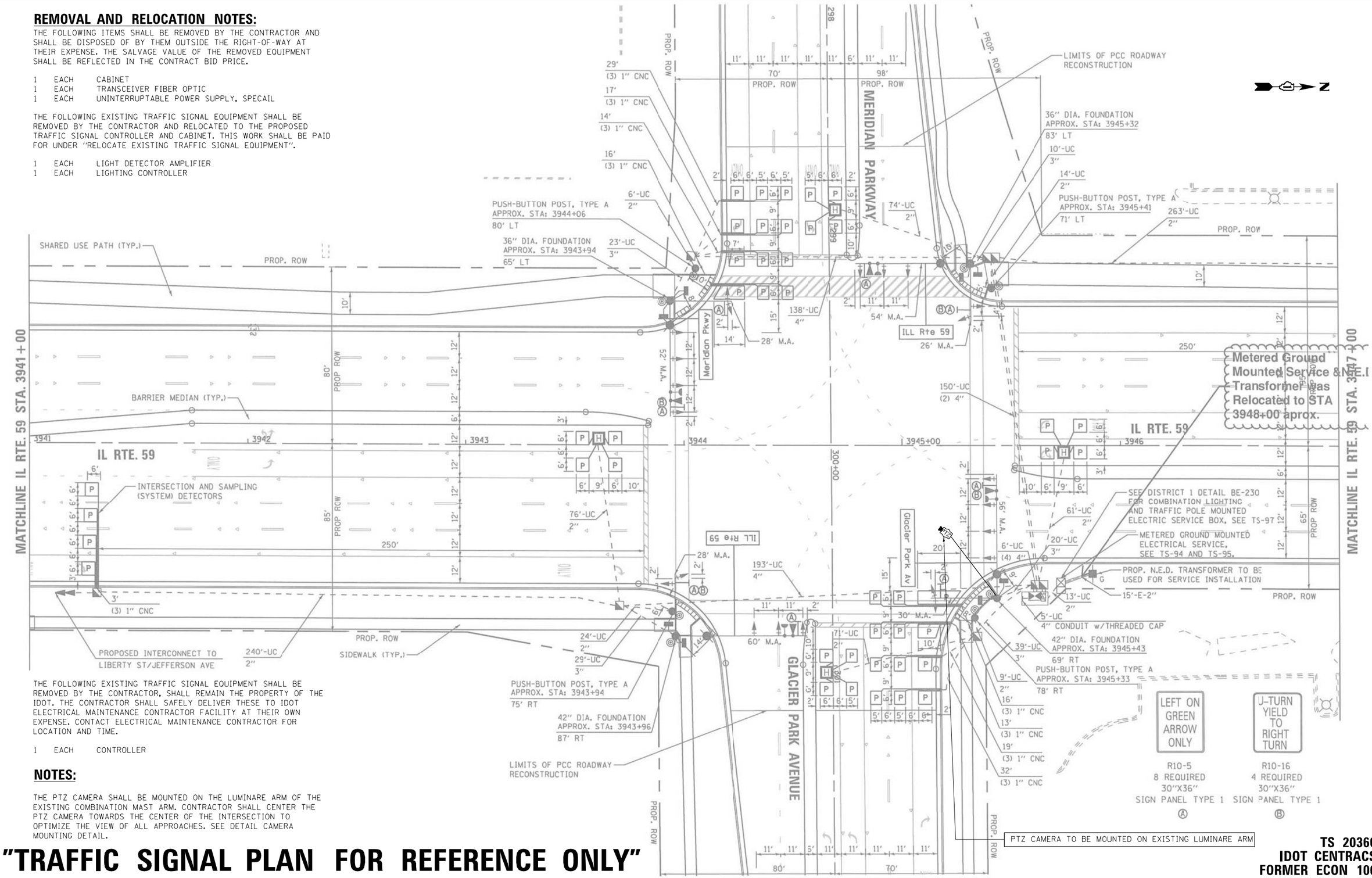
1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH LIGHTING CONTROLLER

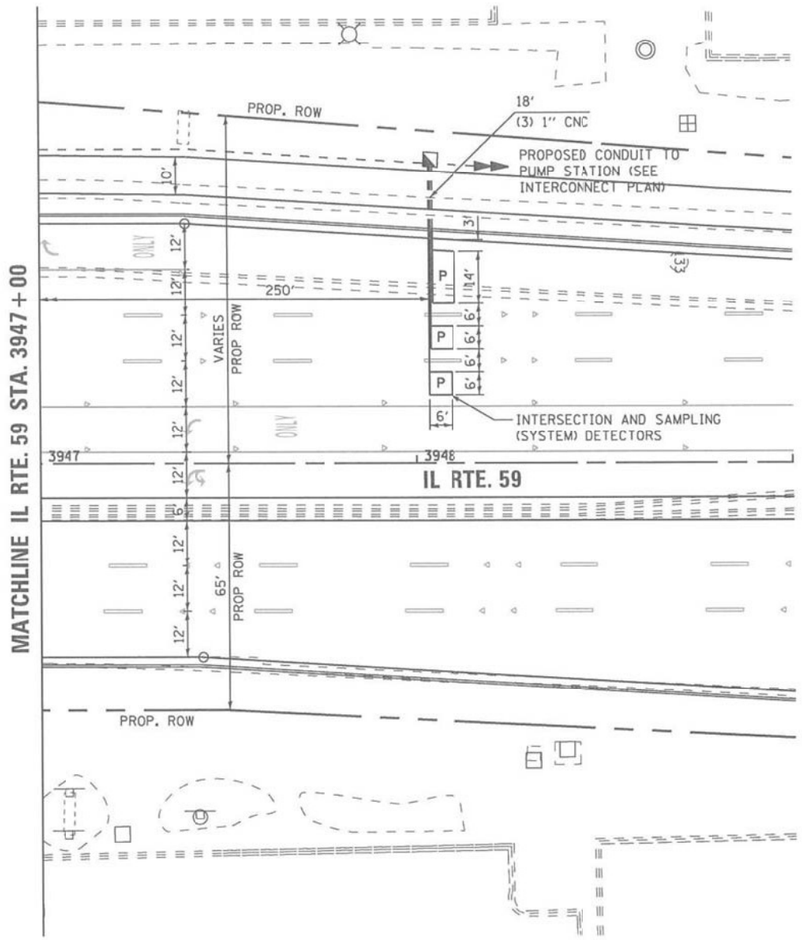
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.


MATCHLINE IL RTE. 59 STA. 3941+00
MATCHLINE IL RTE. 59 STA. 3947+00
IL RTE. 59
MERIDIAN PARKWAY
GLACIER PARK AVENUE
Meridian Pkwy
Glacier Park Av
ILL Rte 59
PROP. ROW
SHARED USE PATH (TYP.)
BARRIER MEDIAN (TYP.)
INTERSECTION AND SAMPLING (SYSTEM) DETECTORS
PROPOSED INTERCONNECT TO LIBERTY ST/JEFFERSON AVE
SIDEWALK (TYP.)
LIMITS OF PCC ROADWAY RECONSTRUCTION
PUSH-BUTTON POST, TYPE A APPROX. STA: 3944+06 80' LT
PUSH-BUTTON POST, TYPE A APPROX. STA: 3945+41 71' LT
PUSH-BUTTON POST, TYPE A APPROX. STA: 3943+94 75' RT
PUSH-BUTTON POST, TYPE A APPROX. STA: 3945+33 78' RT
36" DIA. FOUNDATION APPROX. STA: 3943+94 65' LT
36" DIA. FOUNDATION APPROX. STA: 3945+32 83' LT
42" DIA. FOUNDATION APPROX. STA: 3943+96 87' RT
42" DIA. FOUNDATION APPROX. STA: 3945+43 69' RT
Metered Ground Mounted Service & N.E.I Transformer was Relocated to STA 3948+00 aprox.
SEE DISTRICT 1 DETAIL BE-230 FOR COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRIC SERVICE BOX, SEE TS-97
METERED GROUND MOUNTED ELECTRICAL SERVICE, SEE TS-94 AND TS-95.
PROP. N.E.D. TRANSFORMER TO BE USED FOR SERVICE INSTALLATION
4" CONDUIT w/THREADED CAP
PTZ CAMERA TO BE MOUNTED ON EXISTING LUMINARE ARM
LEFT ON GREEN ARROW ONLY
R10-5
8 REQUIRED
30"X36"
SIGN PANEL TYPE 1
A
U-TURN YIELD TO RIGHT TURN
R10-16
4 REQUIRED
30"X36"
SIGN PANEL TYPE 1
B
3941
3942
3943
3944
3945+00
3946
300+00
250'
70'
98'
80'
85'
65'
54' M.A.
52' M.A.
28' M.A.
26' M.A.
30' M.A.
60' M.A.
55' M.A.
(3) 1" CNC
(4) 4"
(2) 4"
(3) 1" CNC
(3) 1" CNC
(3) 1" CNC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 20360
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

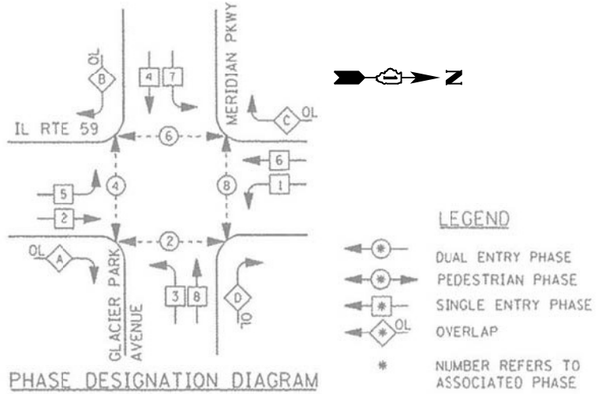
LOCATION #52
IL RTE 59 AT MERIDIAN PKWY/GLACIER PARK AVE INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	207
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\207_IL Rte 59 at MERIDIAN PKWY_INT_2.dgn



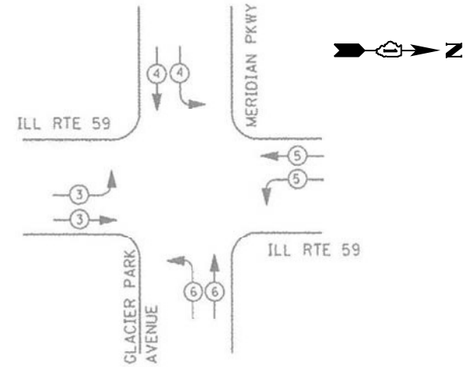
LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OL OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1



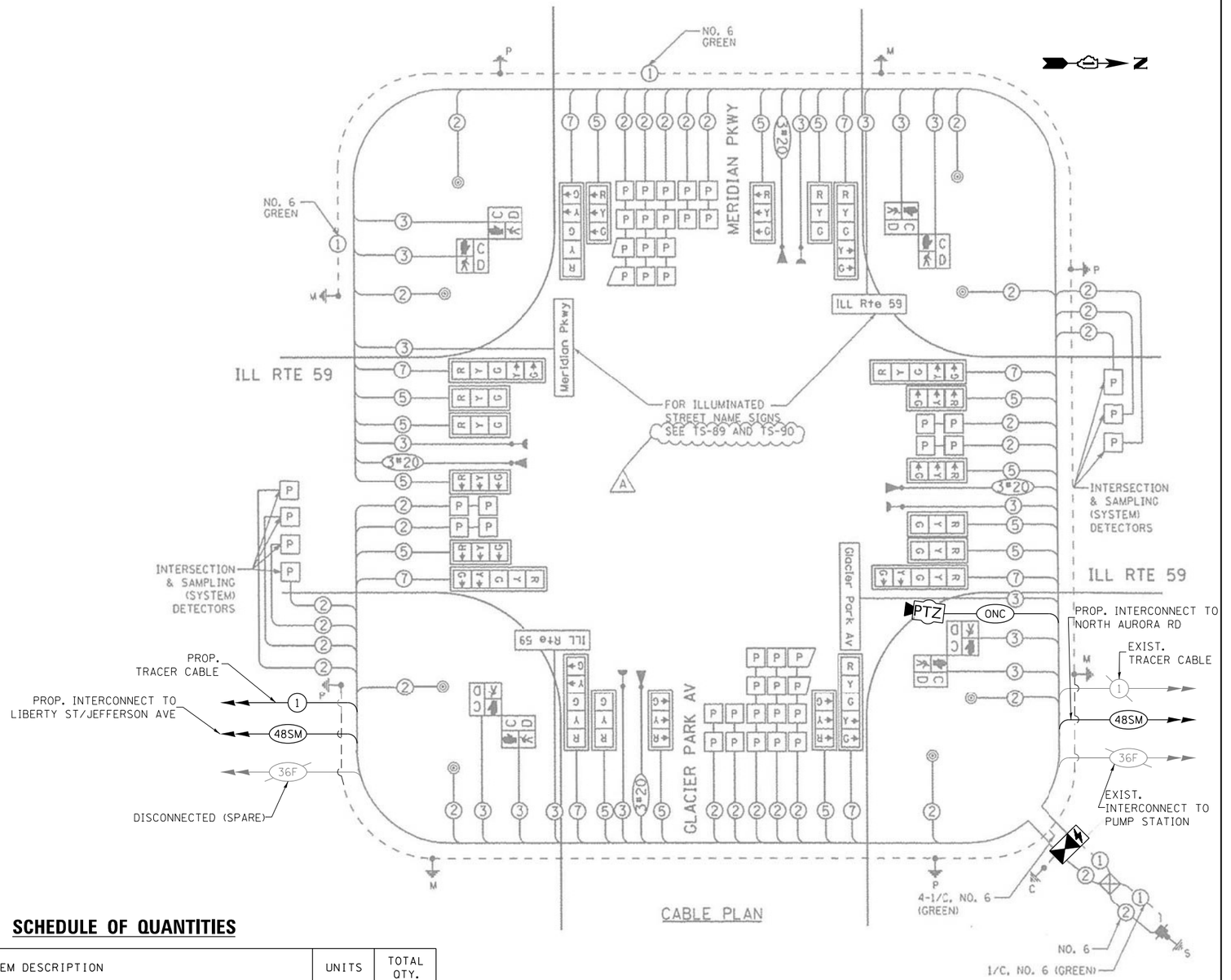
EMERGENCY VEHICLE PREEMPTION SEQUENCE

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	22	135	17	0.50	187
(YELLOW)	22	135	25	0.25	138
(GREEN)	22	135	15	0.25	83
ARROW	16	135	12	0.10	20
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4	--	120	0.50	240
				TOTAL =	968

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
PHONE NAPERVILLE ELECTRIC DEPT.
630-420-6653



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	21
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	100
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 20360
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 '/ in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #52
IL RTE 59 AT MERIDIAN PKWY/GLACIER PARK AVE CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	208
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\208_IL Rte 59 at MERIDIAN PKWY_CD.dgn

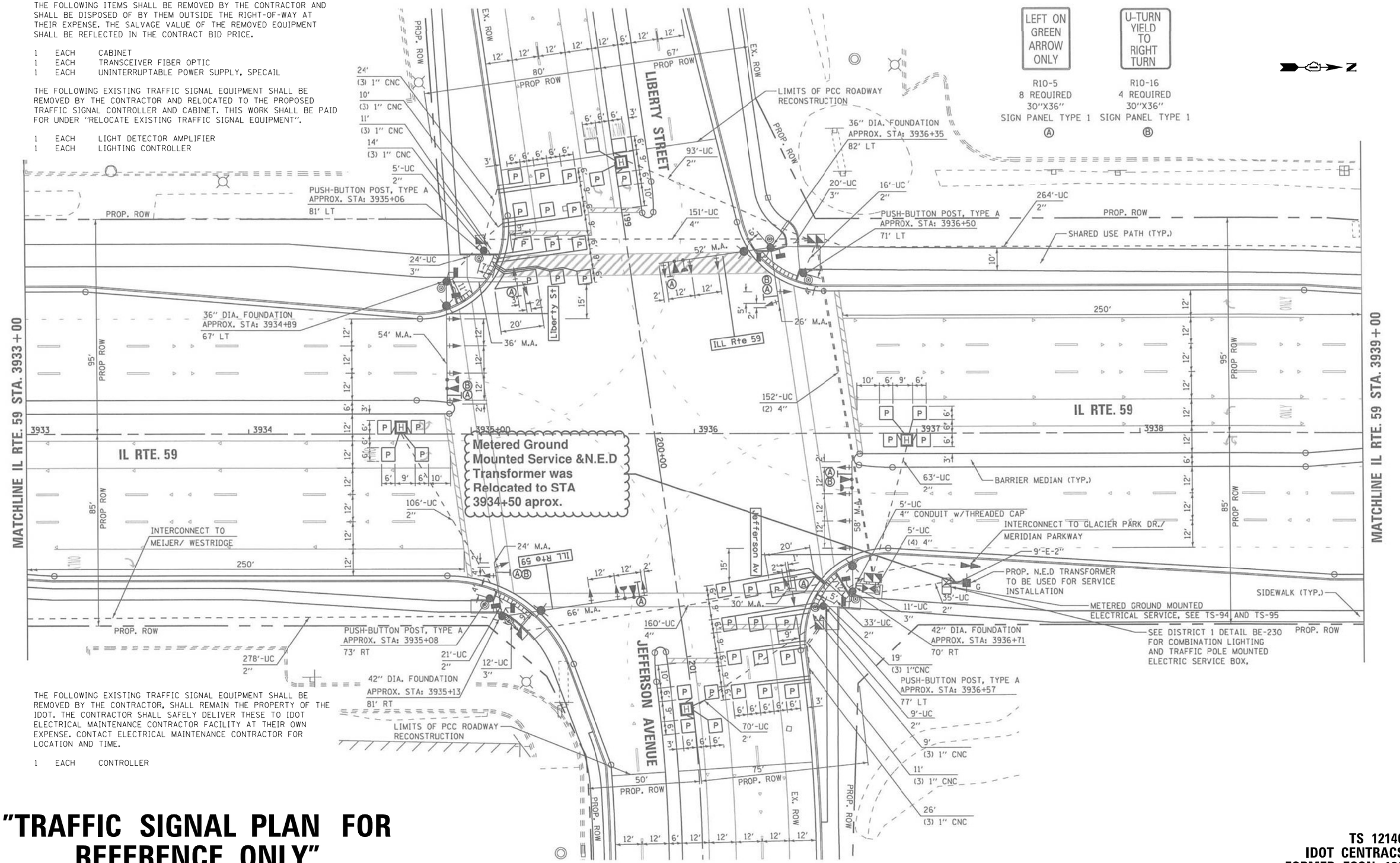
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CABINET
1 EACH TRANSCEIVER FIBER OPTIC
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECAIL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH LIGHTING CONTROLLER



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 12140
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #53
IL RTE 59 AT LIBERTY ST/JEFFERSON AVE INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	209
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

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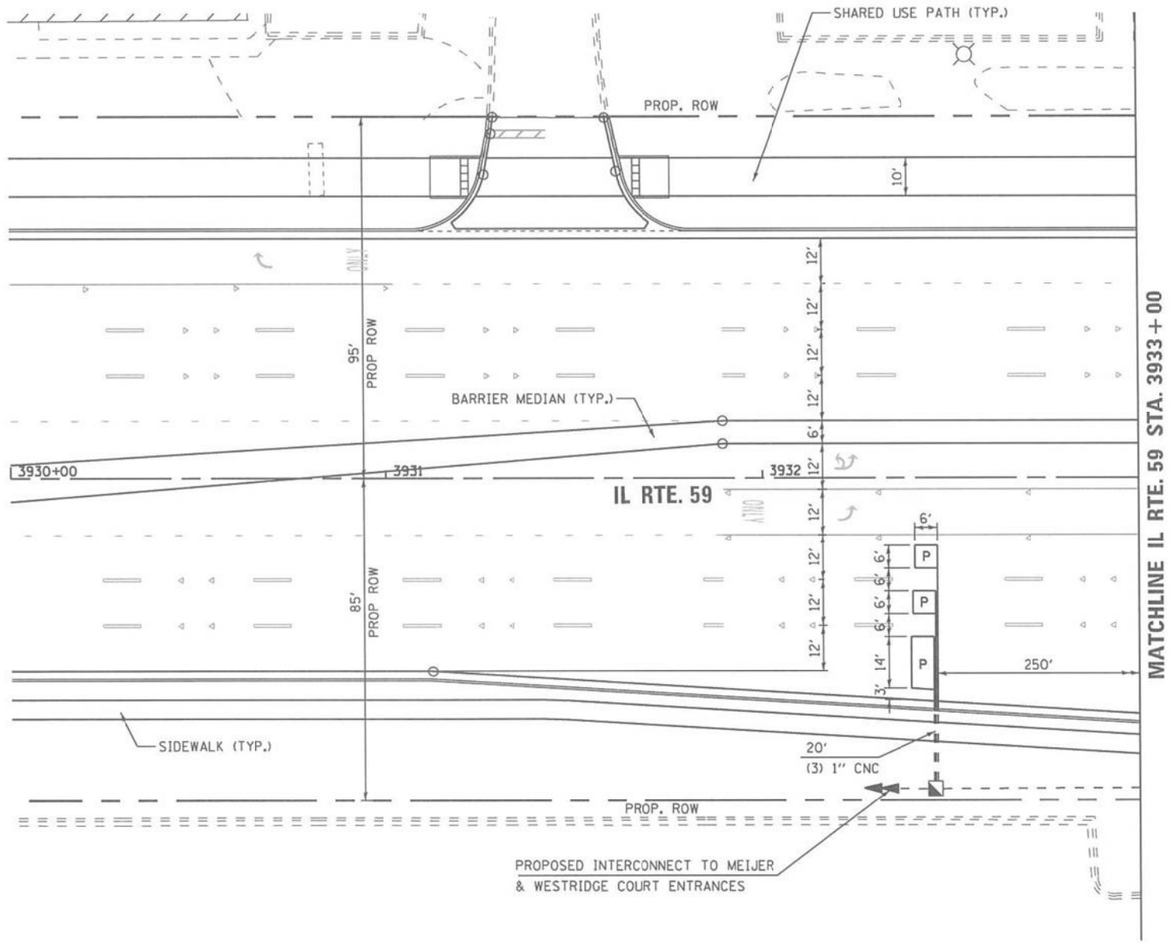
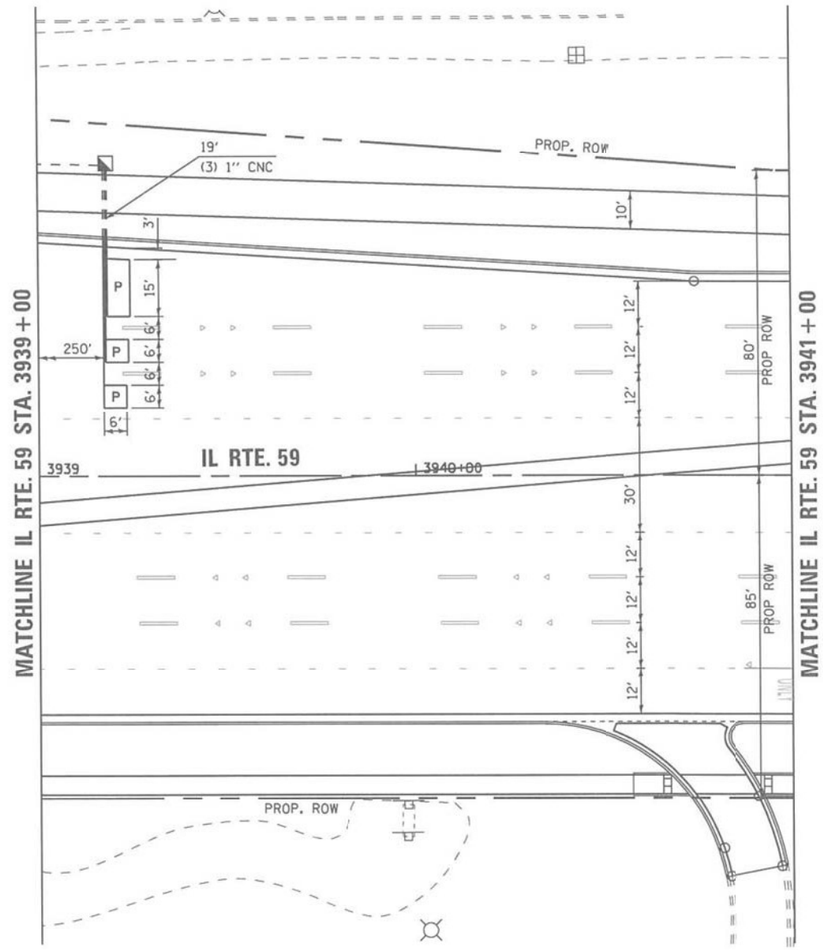




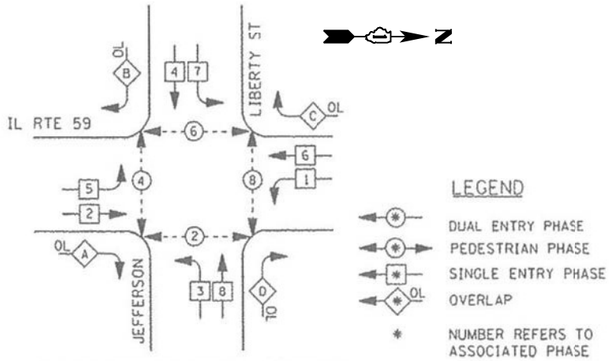
"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 12140
IDOT CENTRACS
FORMER ECON 106

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #53 IL RTE 59 AT LIBERTY ST/JEFFERSON AVE INTERSECTION PLAN SHEET 2	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - EA, AV	REVISED -			VAR	2023 TRAFFIC 03	VARIOUS	300	210
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -						CONTRACT NO. 62T53	
	PLOT DATE = $DATE$	DATE - 3/23/2023	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 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\210_IL Rte 59 at LIBERTY ST_INT_2.dgn

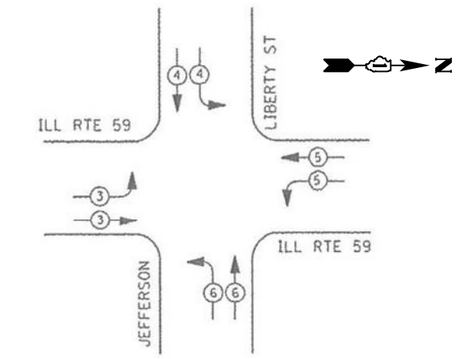
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1



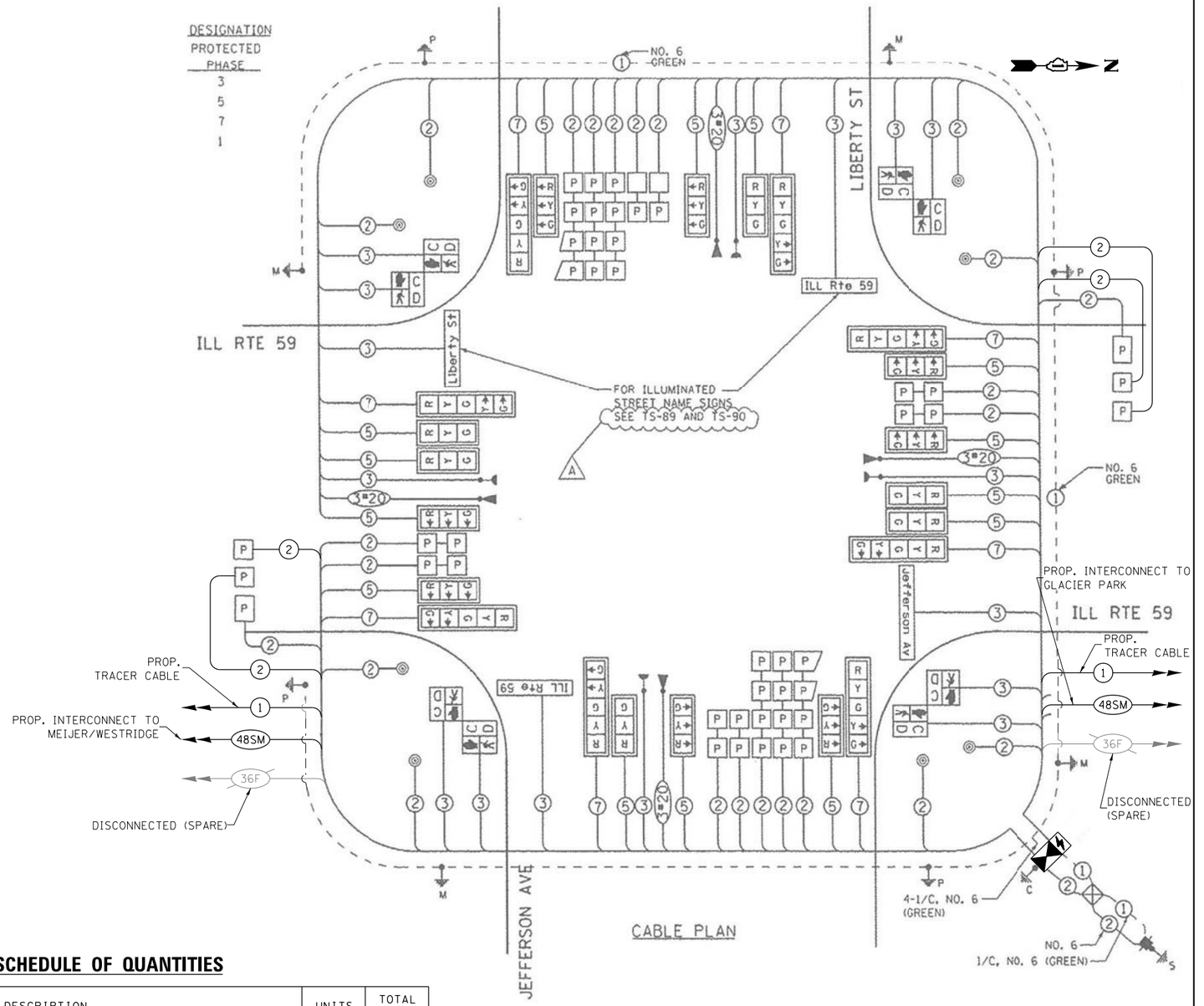
EMERGENCY VEHICLE PREEMPTION SEQUENCE

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	22	135	17	0.50	187
(YELLOW)	22	135	25	0.25	138
(GREEN)	22	135	15	0.25	83
ARROW	16	135	12	0.10	20
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4		90	0.50	180
				TOTAL =	908

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
PHONE NAPERVILLE ELECTRIC DEPT.
630-420-6653



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1866
INDUCTIVE LOOP DETECTOR	EACH	20
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 12140
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #53
IL RTE 59 AT LIBERTY ST/JEFFERSON AVE CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	211
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\211.IL Rte 59 at LIBERTY ST.CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

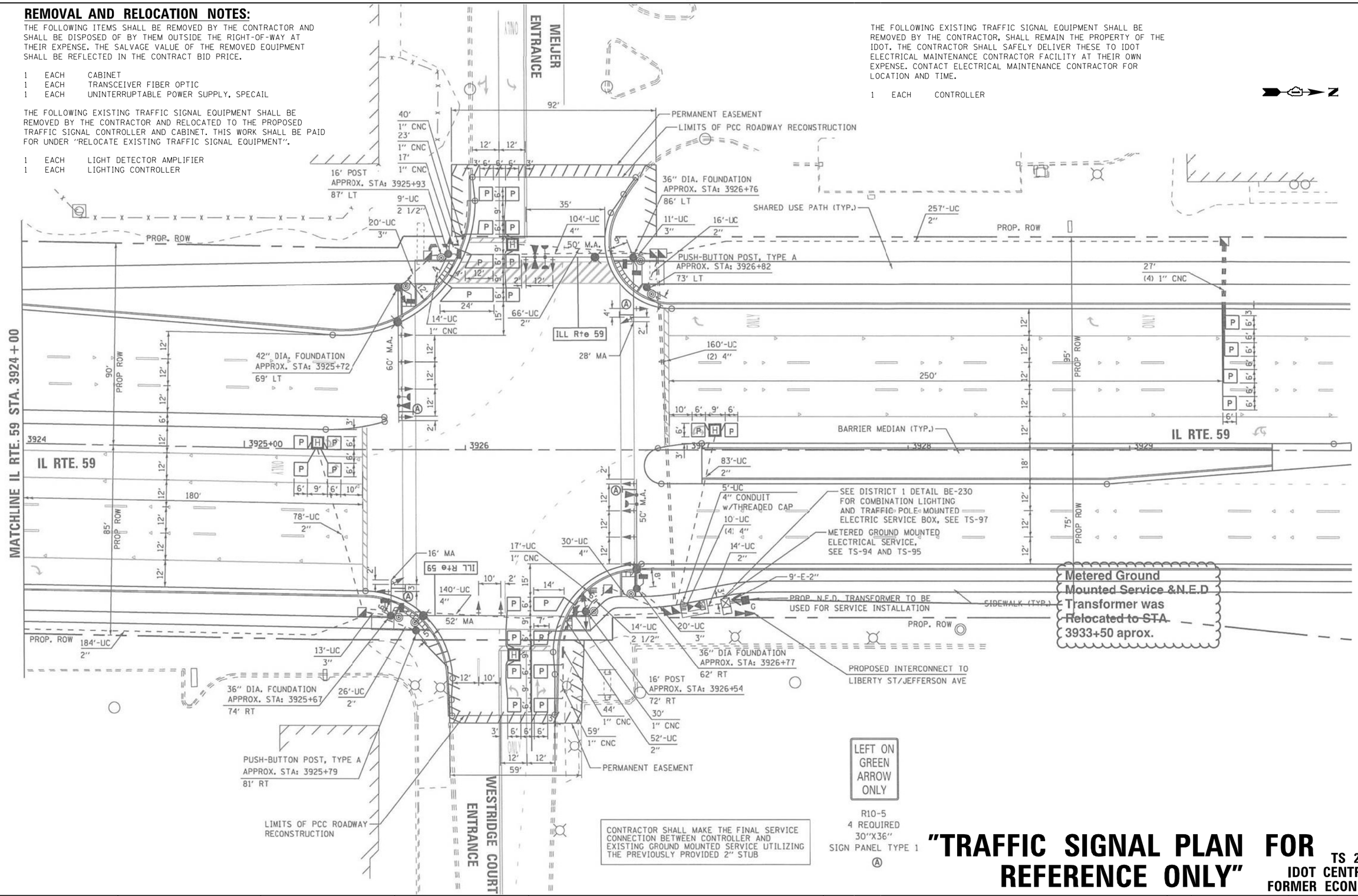
1 EACH CABINET
1 EACH TRANSCEIVER FIBER OPTIC
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECAIL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH LIGHTING CONTROLLER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER



CONTRACTOR SHALL MAKE THE FINAL SERVICE CONNECTION BETWEEN CONTROLLER AND EXISTING GROUND MOUNTED SERVICE UTILIZING THE PREVIOUSLY PROVIDED 2" STUB

LEFT ON GREEN ARROW ONLY

R10-5
4 REQUIRED
30"X36"
SIGN PANEL TYPE 1
Ⓐ

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21139
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #54
IL RTE 59 AT VANTAGE SHOP INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	212
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

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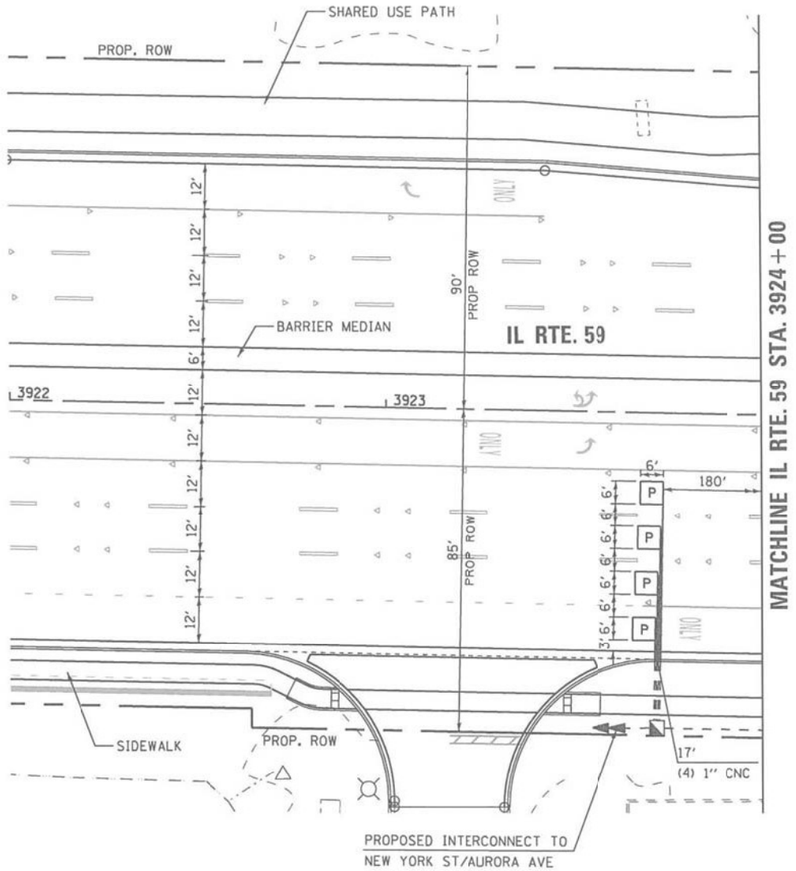


"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21139
IDOT CENTRACS
FORMER ECON 106

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\213.IL Rte 59 at VANTAGE SHOP_INT_2.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

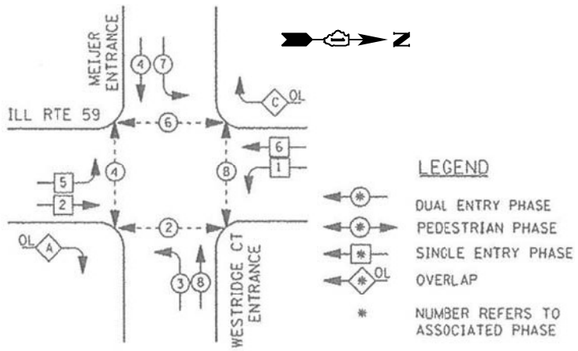
LOCATION #54
IL RTE 59 AT VANTAGE SHOP INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	213
		CONTRACT NO. 62T53		

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

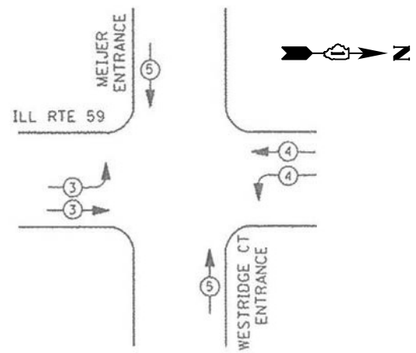
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
C	=	6	+	7

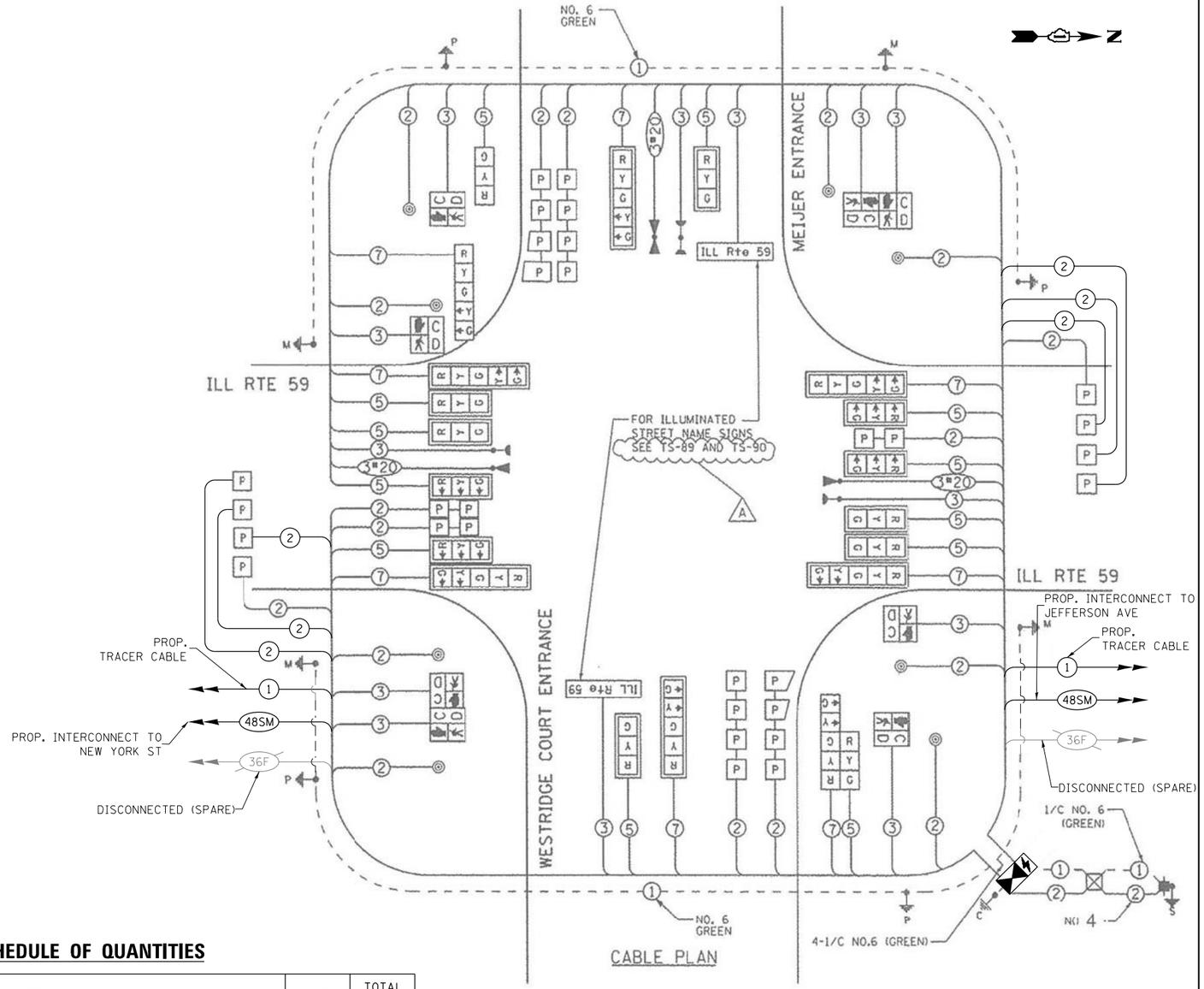


EMERGENCY VEHICLE PREEMPTION SEQUENCE

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	20	135	17	0.50	170
(YELLOW)	20	135	25	0.25	125
(GREEN)	20	135	15	0.25	75
ARROW	16	135	12	0.10	19
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	2		90	0.50	90
				TOTAL =	779

ENERGY COSTS- BILLED TO: CITY OF NAPERVILLE
400 S. EAGLE STREET
NAPERVILLE, IL 60540

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
PHONE NAPERVILLE ELECTRIC DEPT.
630-420-6653



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2490
INDUCTIVE LOOP DETECTOR	EACH	15
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 21139
IDOT CENTRACS
FORMER ECON 106

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\214_IL Rte 59 at VANTAGE SHOP_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #54
IL RTE 59 AT VANTAGE SHOP CABLE PLAN

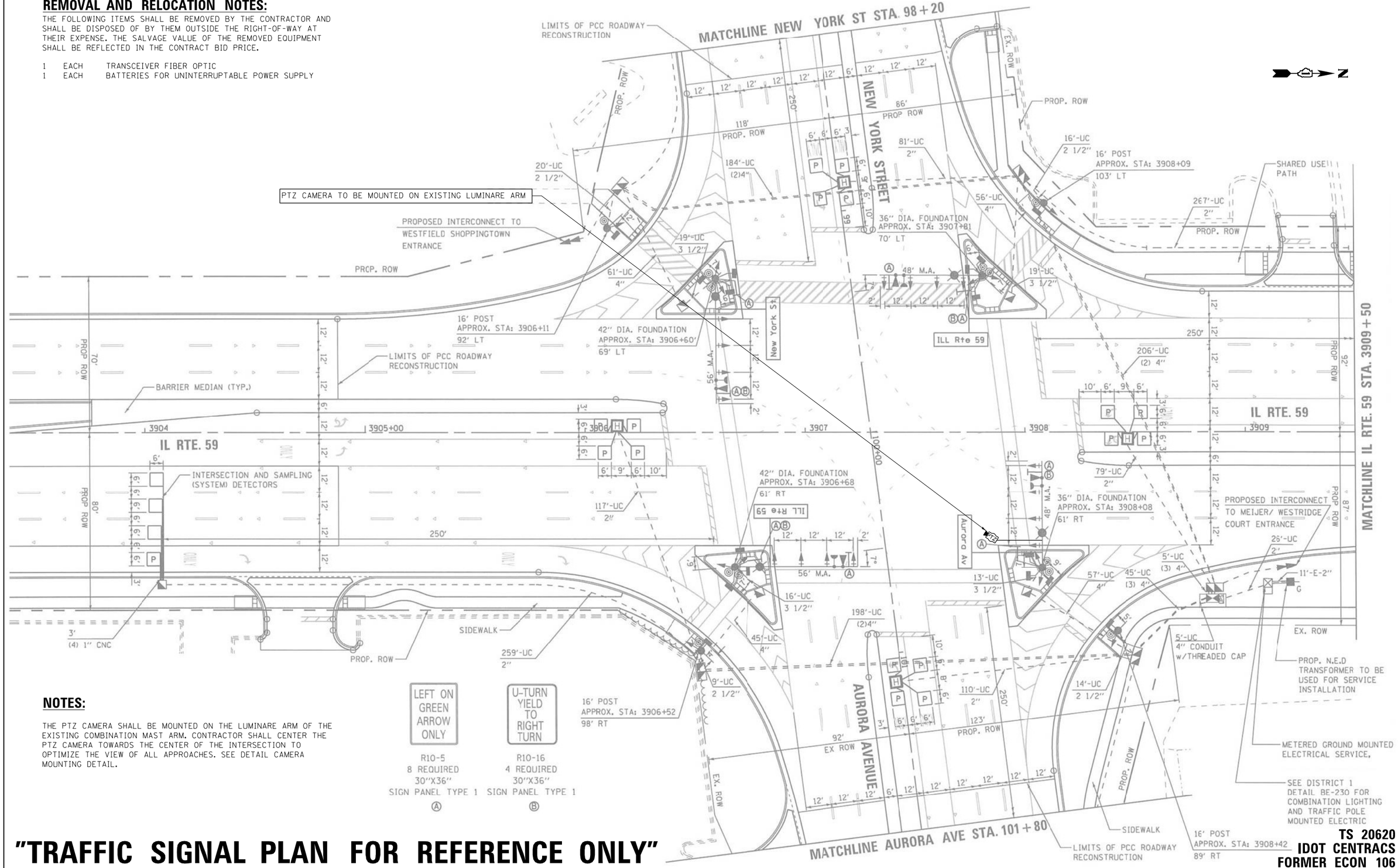
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	214
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 20620
IDOT CENTRACS
FORMER ECON 106

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\215_IL Rte 59 at NEW YORK ST_INT_1.dgn

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

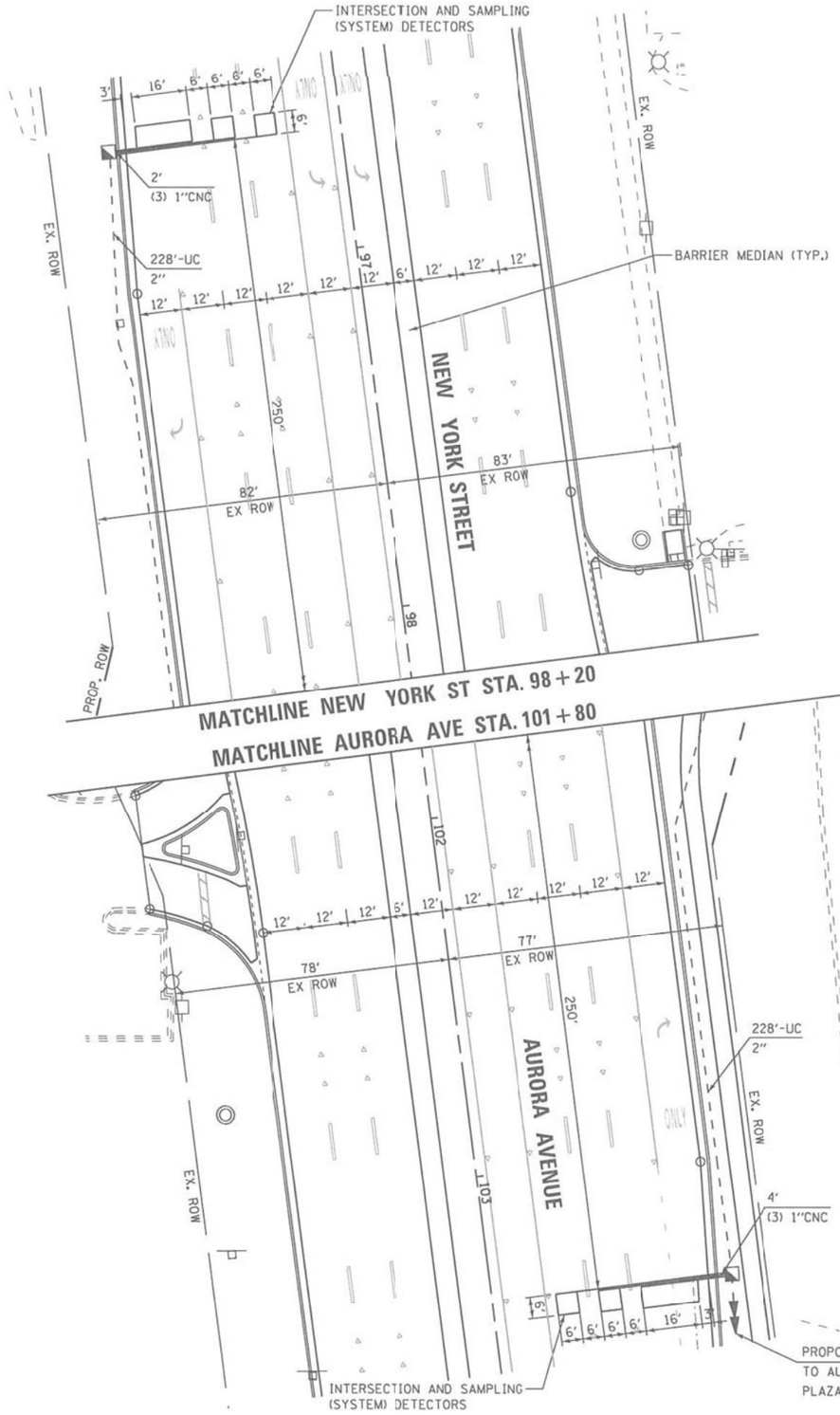
USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

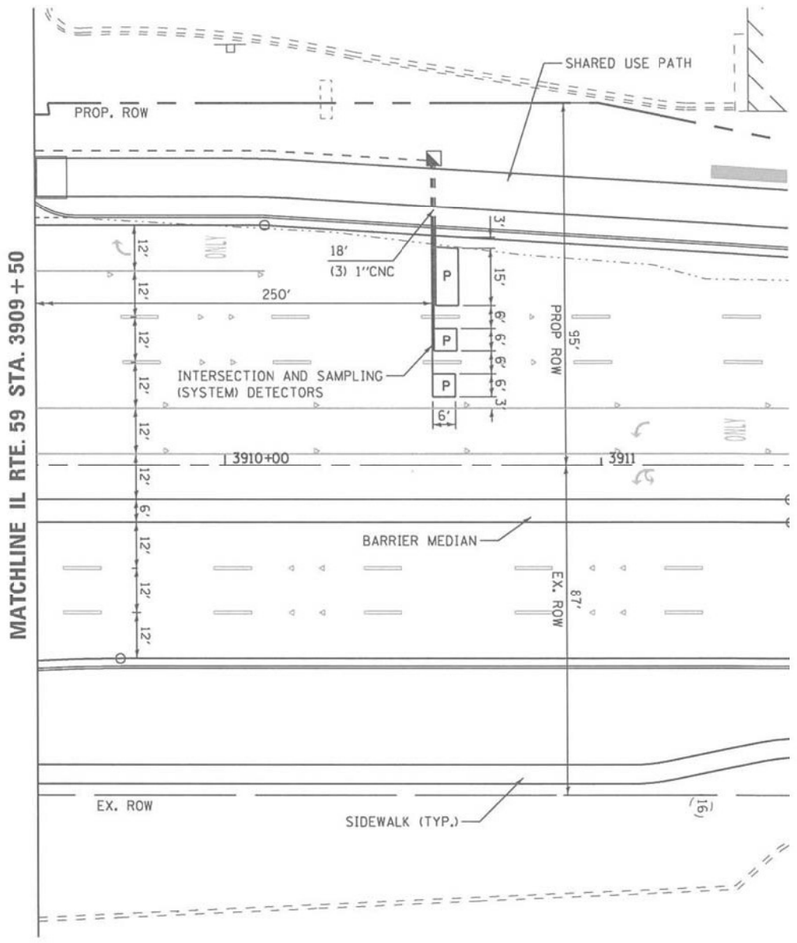
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #55
IL RTE 59 AT NEW YORK ST/AURORA AVE INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	215
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		





"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 20620
IDOT CENTRACS
FORMER ECON 106

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
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	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

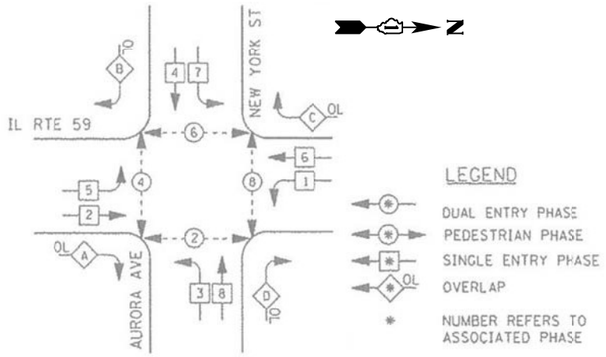
LOCATION #55
IL RTE 59 AT NEW YORK ST/AURORA AVE INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	216
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\216_IL Rte 59 at NEW YORK ST_INT_2.dgn

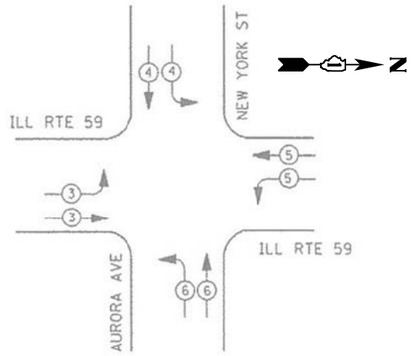
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1



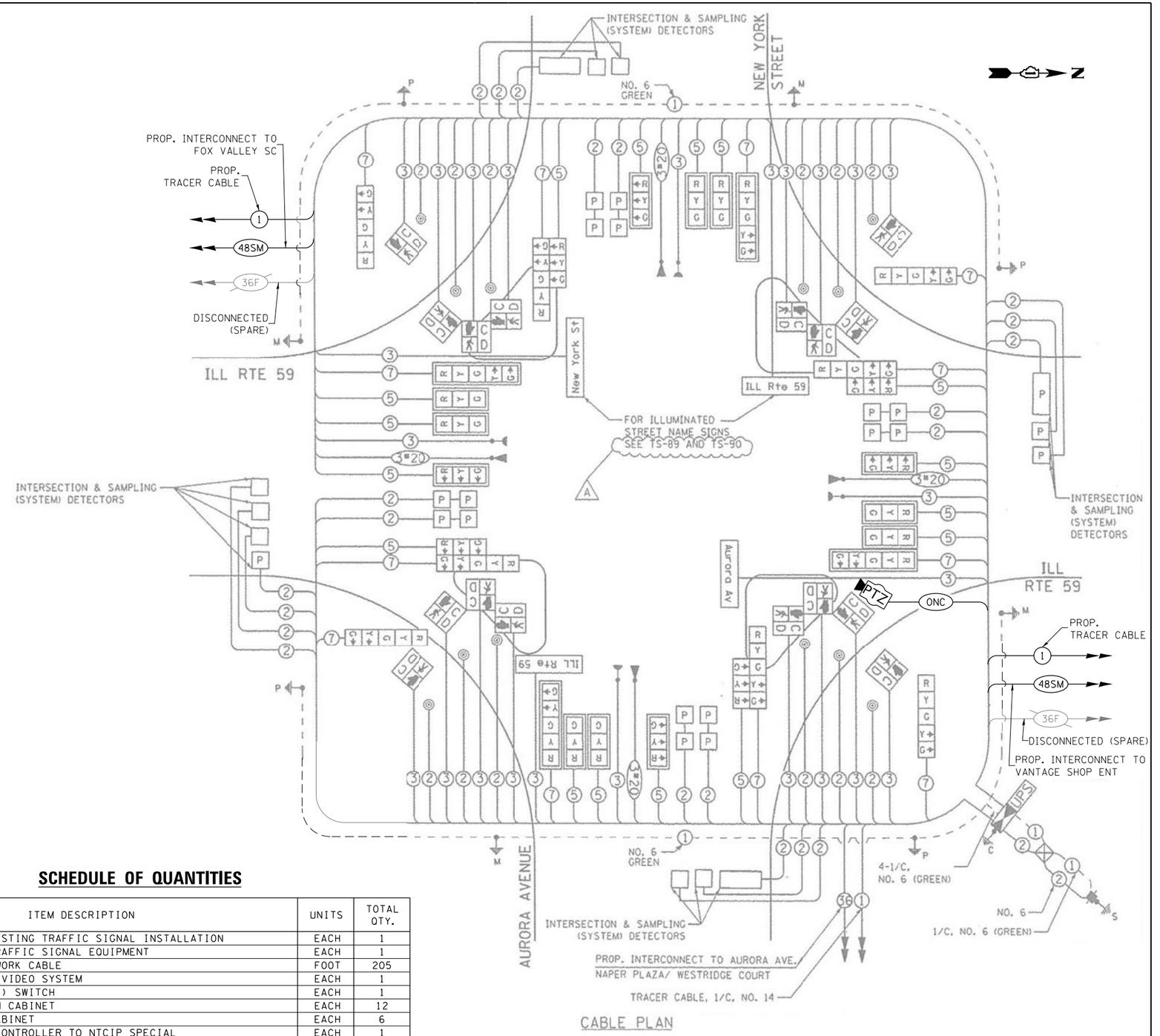
EMERGENCY VEHICLE PREEMPTION SEQUENCE

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	28	135	17	0.50	238
(YELLOW)	28	135	25	0.25	175
(GREEN)	28	135	15	0.25	105
ARROW	24	135	12	0.10	29
PED. SIGNAL	16	90	25	1.00	400
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4	--	90	0.50	180
				TOTAL =	1227

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN
PHONE NAPERVILLE ELECTRIC DEPT.
630-420-6653



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	205
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
TERMINAL SERVER	EACH	1

TS 20620
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #55
IL RTE 59 AT NEW YORK ST/AURORA AVE CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	217
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\217-IL Rte 59 at NEW YORK ST_CD.dgn

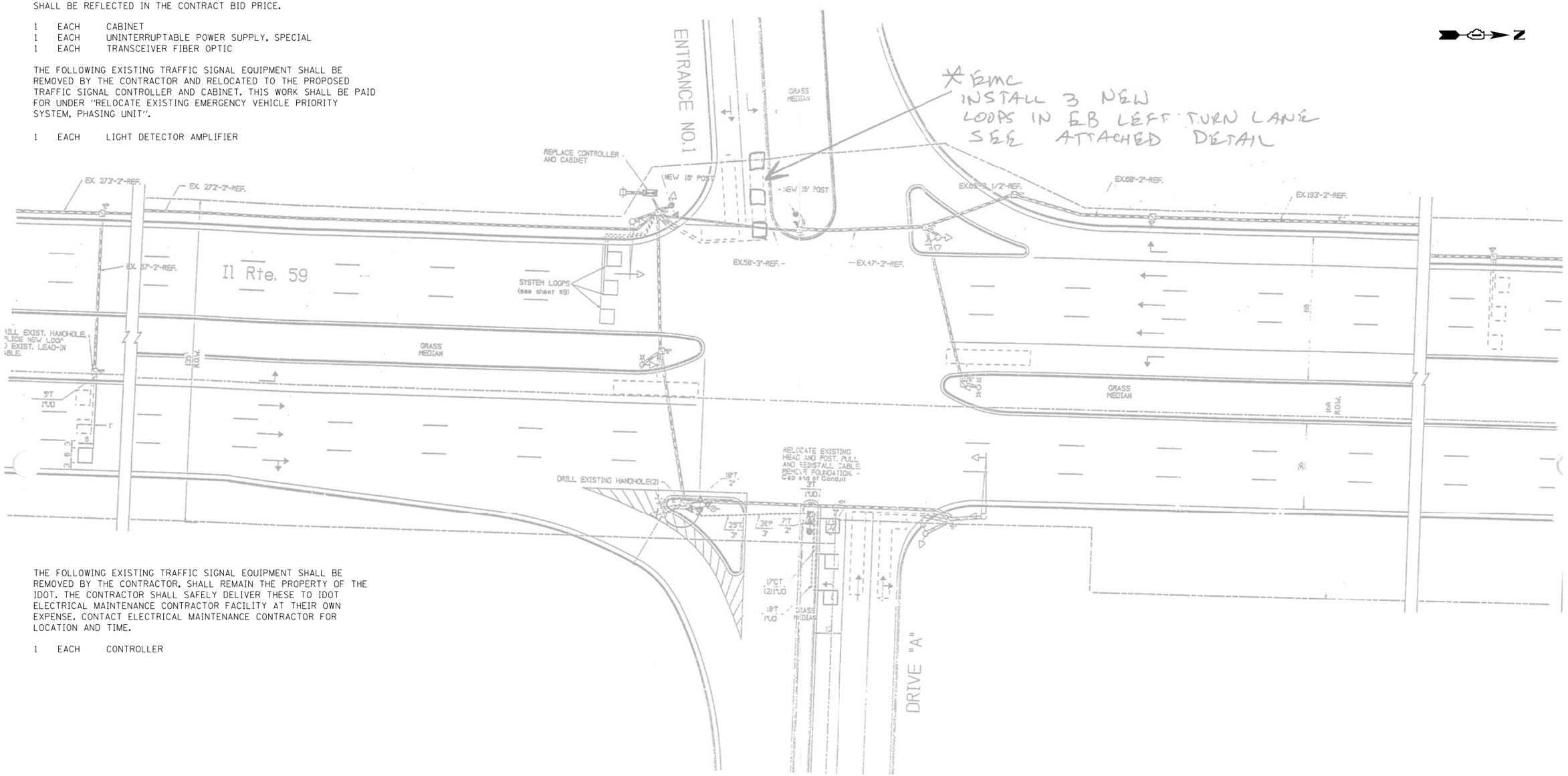
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CABINET
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 20635
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

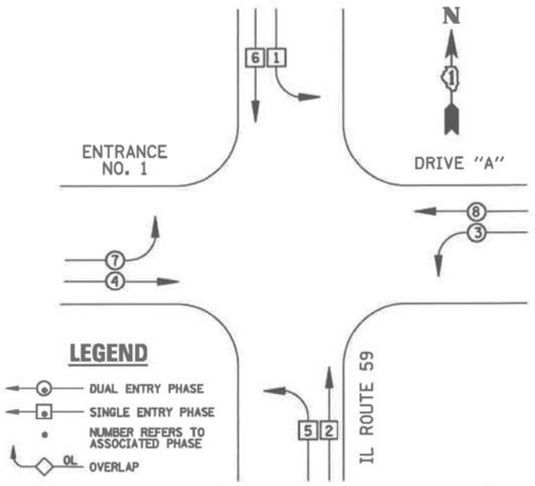
LOCATION #56
IL RTE 59 AT FOX VALLEY SC INTERSECTION PLAN

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

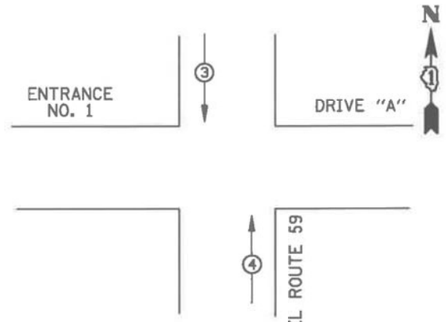
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	218
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\218_IL Rte 59 at FOX VALLEY SC_INT.dgn

EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM



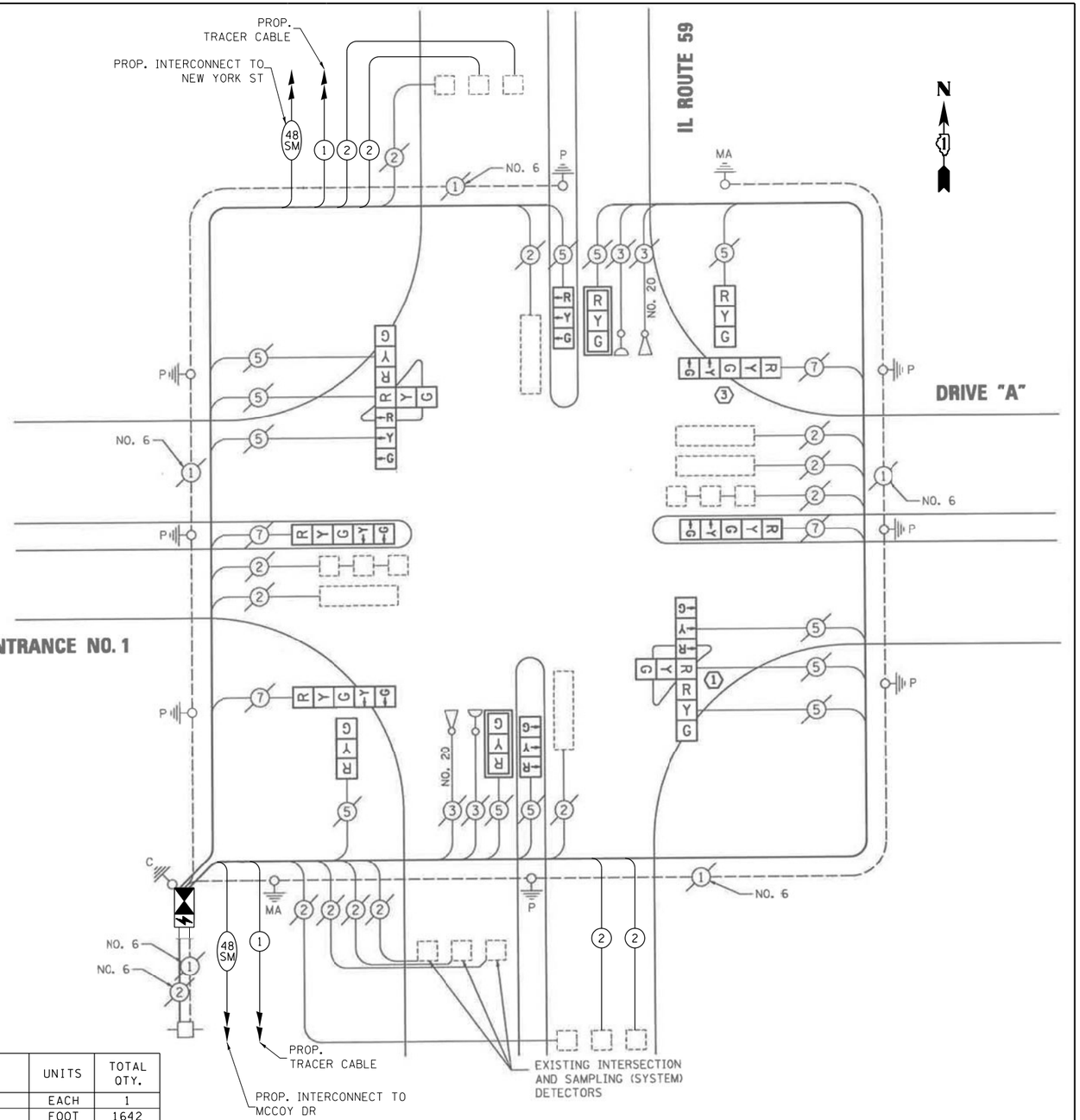
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓	↑

EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	XOPERATION	
SIGNAL (RED)	16	135	17	0.50	136
(YELLOW)	16	135	25	0.25	100
(GREEN)	16	135	15	0.25	60
ARROW	8	135	12	0.10	9.6
PED. SIGNAL		90	25	1.00	100
CONTROLLER	1	100	100	1.00	
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	
ENERGY COSTS TO:				TOTAL =	405.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY CONTACT: X
PHONE: X
COMPANY: X



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1642
INDUCTIVE LOOP DETECTOR	EACH	16
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 20635
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #56
IL RTE 59 AT FOX VALLEY SC CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	219
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\219_IL Rte 59 at FOX VALLEY SC.CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

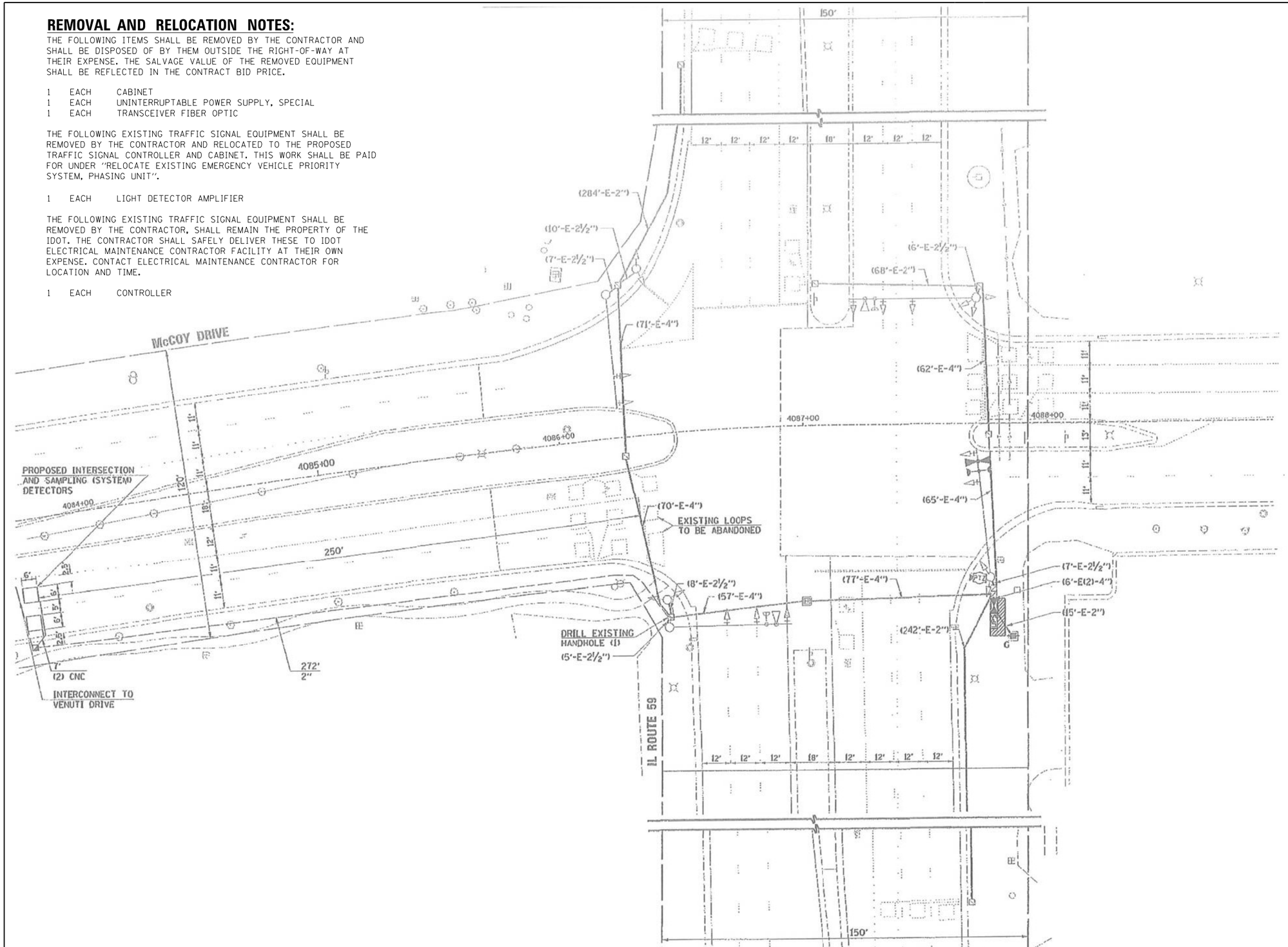
1 EACH CABINET
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6089
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

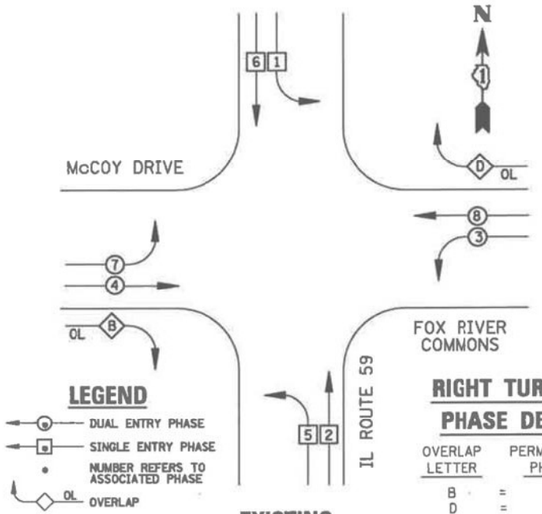
LOCATION #57
IL RTE 59 AT MCCOY DR INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	220
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-5101-Centracs Phase 3\CADD_Sheets\220_IL Rte 59 at MCCOY DR_INT.dgn

EXISTING CONTROLLER SEQUENCE



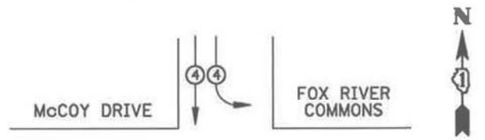
LEGEND

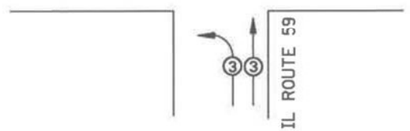
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
D	=	8	+	1

EXISTING PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

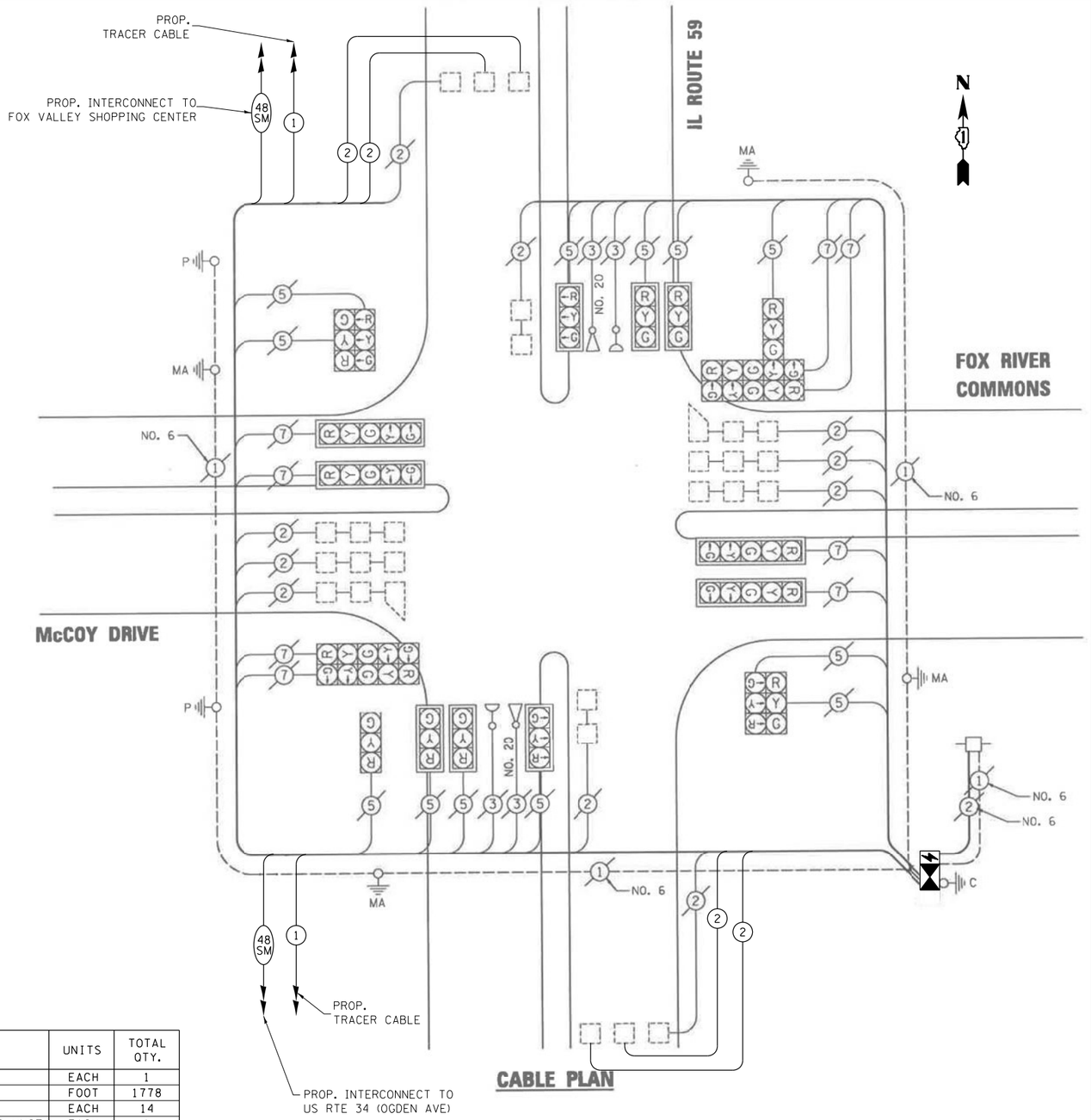
EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	135	17	0.50	170
(YELLOW)	20	135	25	0.25	125
(GREEN)	20	135	15	0.25	75
ARROW	16	135	12	0.10	19.2
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	
				TOTAL =	489.2

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY CONTACT: X
PHONE: X
COMPANY: X



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1778
INDUCTIVE LOOP DETECTORS	EACH	14
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6089
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #57
IL RTE 59 AT MCCOY DR CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	221
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\221.IL Rte 59 at MCCOY DR.CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

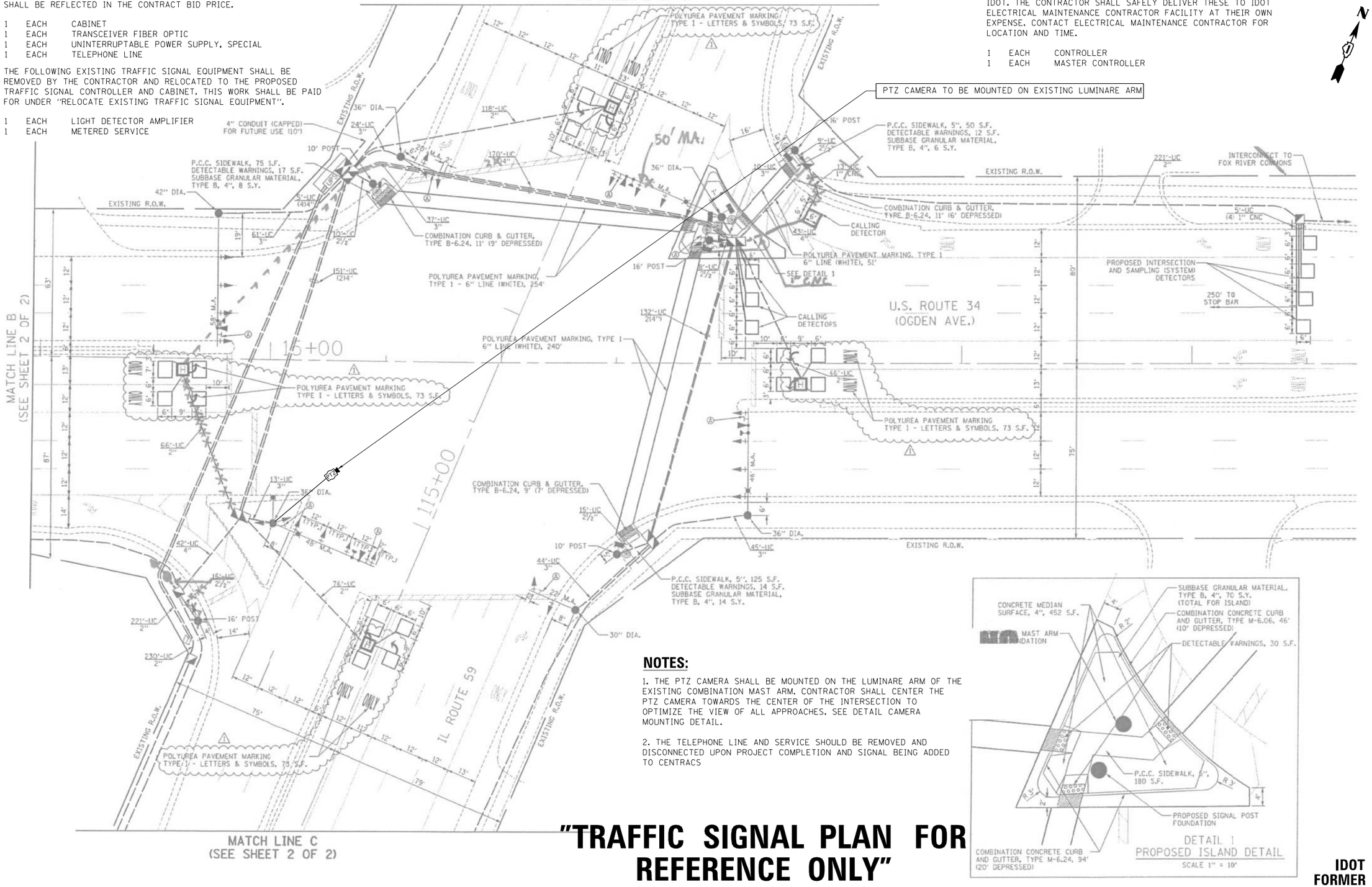
1 EACH CABINET
1 EACH TRANSCEIVER FIBER OPTIC
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1 EACH TELEPHONE LINE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH METERED SERVICE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER
1 EACH MASTER CONTROLLER



NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. THE TELEPHONE LINE AND SERVICE SHOULD BE REMOVED AND DISCONNECTED UPON PROJECT COMPLETION AND SIGNAL BEING ADDED TO CENTRACS

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6090
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

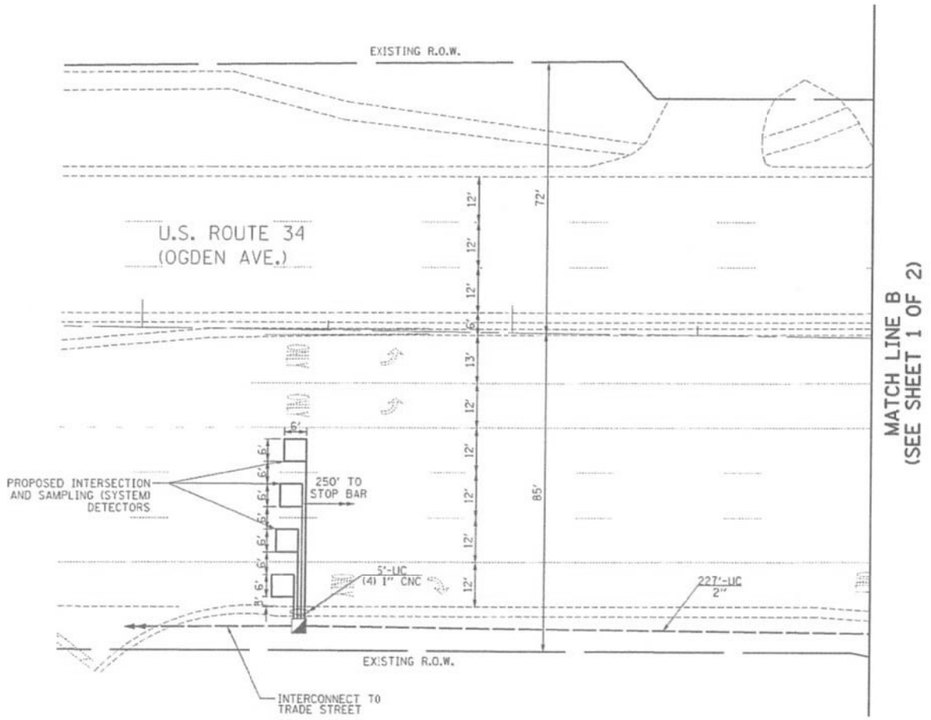
LOCATION #58
IL RTE 59 AT US RTE 34 (OGDEN AVE) INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	222
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2021\22-ESR3-510-Centracs Phase 3\CADD\Sheets\222.IL Rte 59 at US 34.INT.1.dgn



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6090
IDOT CENTRACS
FORMER ECON 106

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\223_IL Rte 59 at US 34_INT_2.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

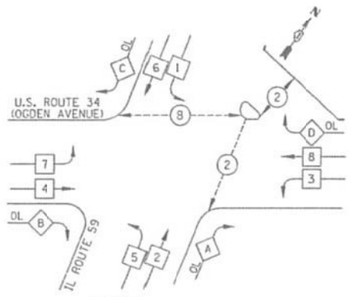
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #58
IL RTE 59 AT US RTE 34 (OGDEN AVE) INTERSECTION PLAN
SHEET 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	223
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



LEGEND

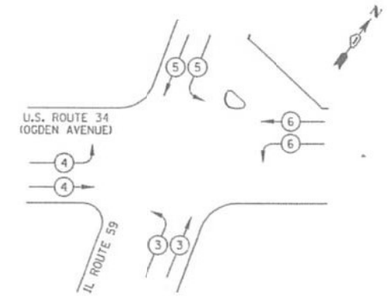
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

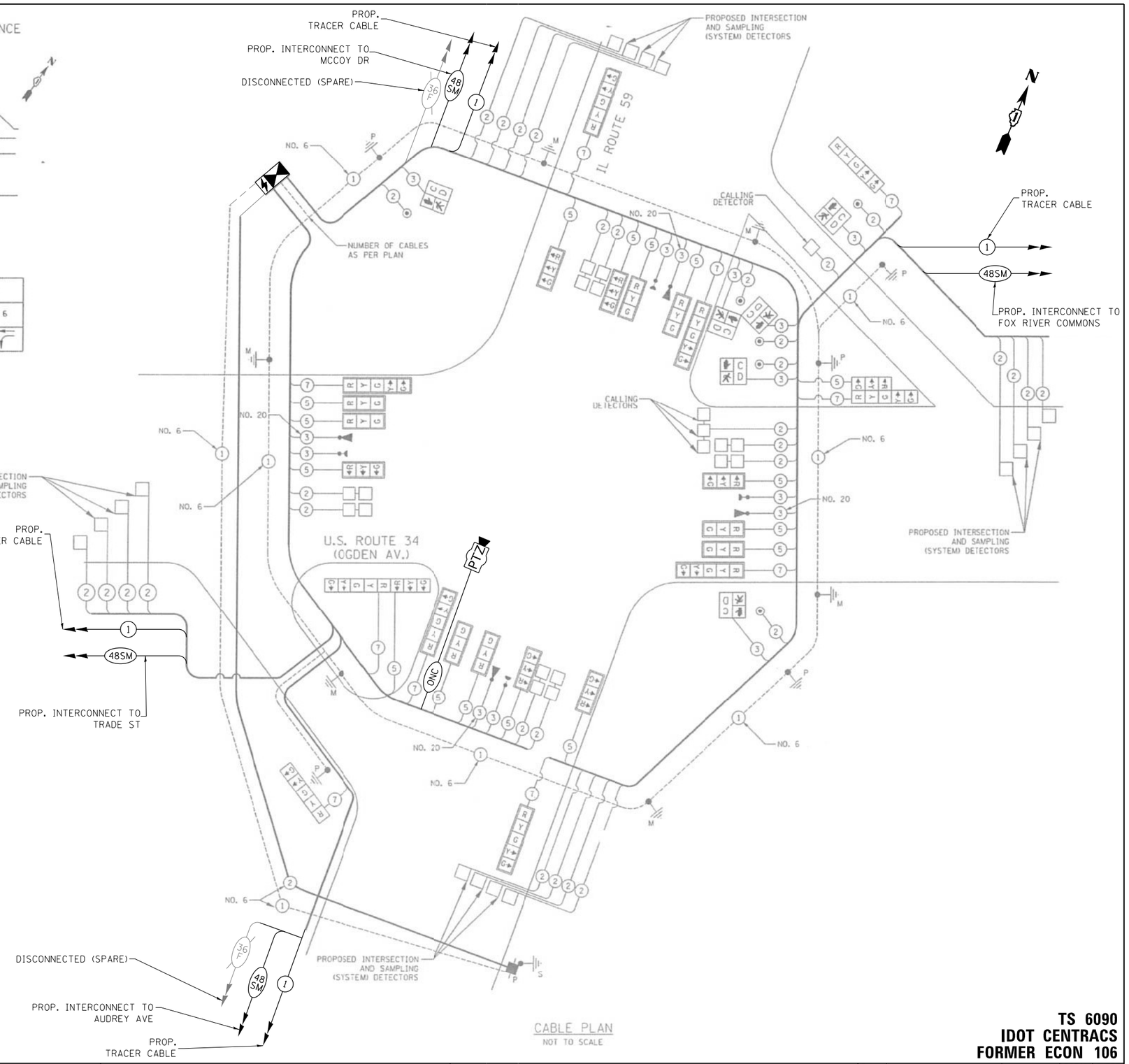
RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				



CABLE PLAN
NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	25
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	250
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	120
LAYER III (NETWORK) SWITCH	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	26		17	0.50	221
(YELLOW)	26		25	0.25	163
(GREEN)	26		15	0.25	98
ARROW	20		12	0.10	24
PED. SIGNAL	6		25	1.00	150
CONTROLLER	1		100	1.00	100
FLASHER				0.50	
				TOTAL =	756

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: LANE SIBLEY
PHONE: 630-723-2397
COMPANY: COM ED

TS 6090
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #58
IL RTE 59 AT US RTE 34 (OGDEN AVE) CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	224
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-5108-Centracs Phase 3\CADD_Sheets\224_IL Rte 59 at US 34_CD.dgn

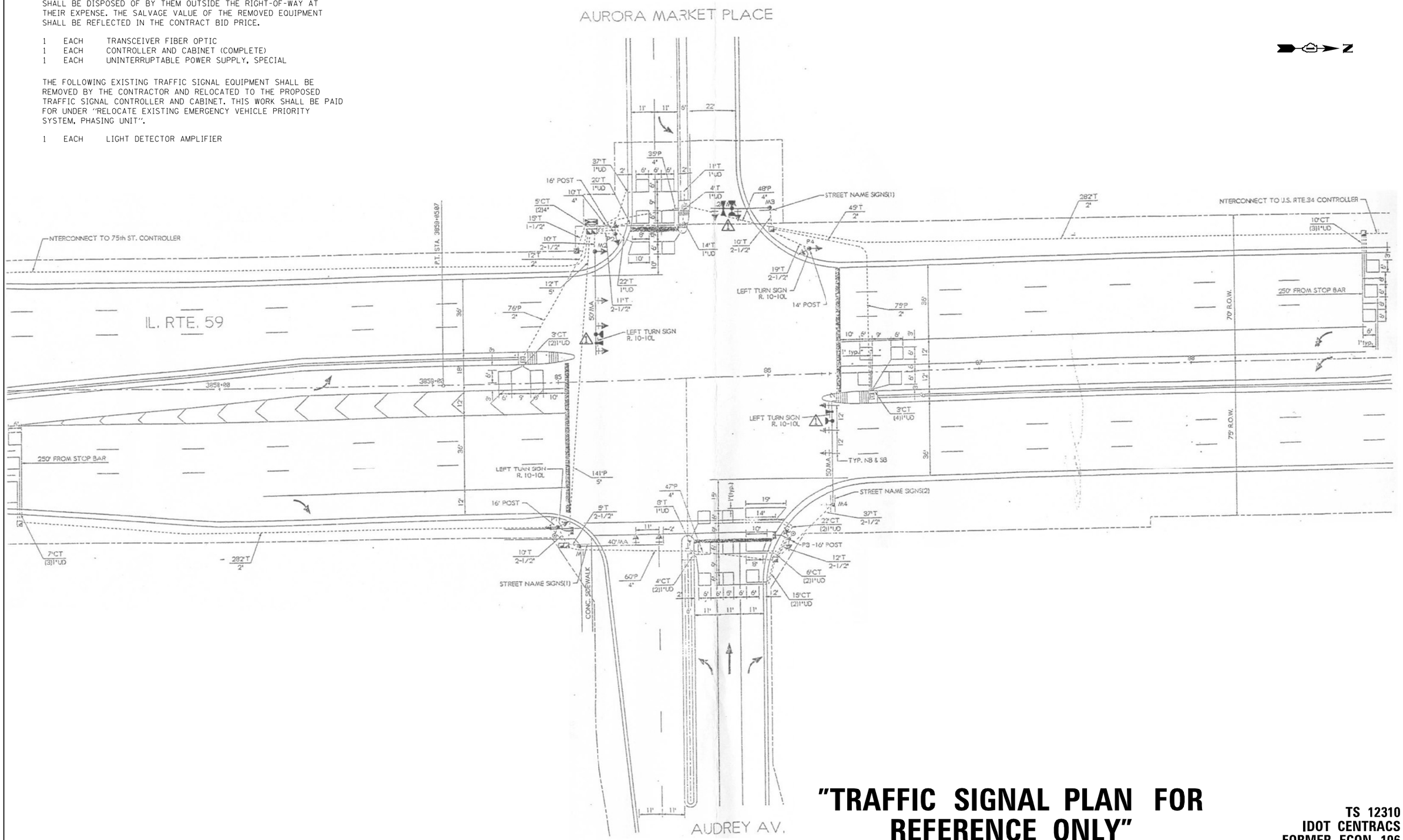
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH CONTROLLER AND CABINET (COMPLETE)
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 12310
IDOT CENTRACS
FORMER ECON 106

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\225_IL Rte 59 at AUDREY AVE-MARKET PL_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 '/ in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

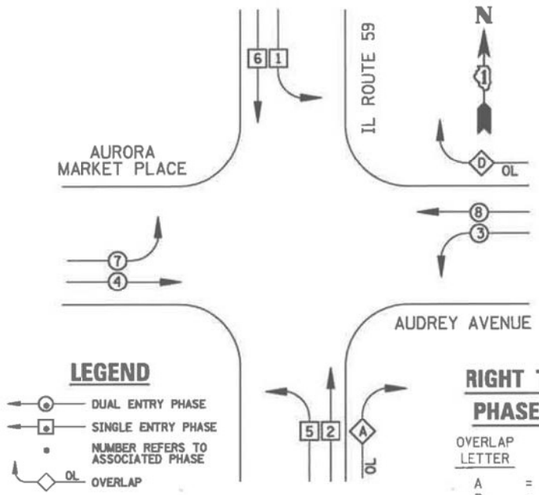
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #59
IL RTE 59 AT AUDREY AVE/MARKET PL INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	225
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



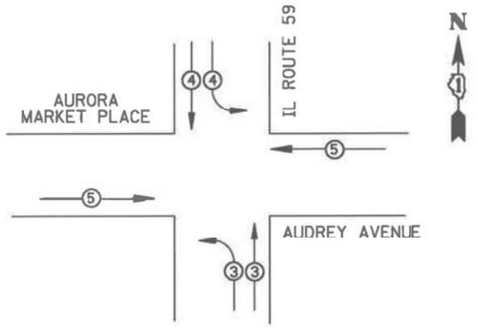
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
D	=	8	+	1

EXISTING PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

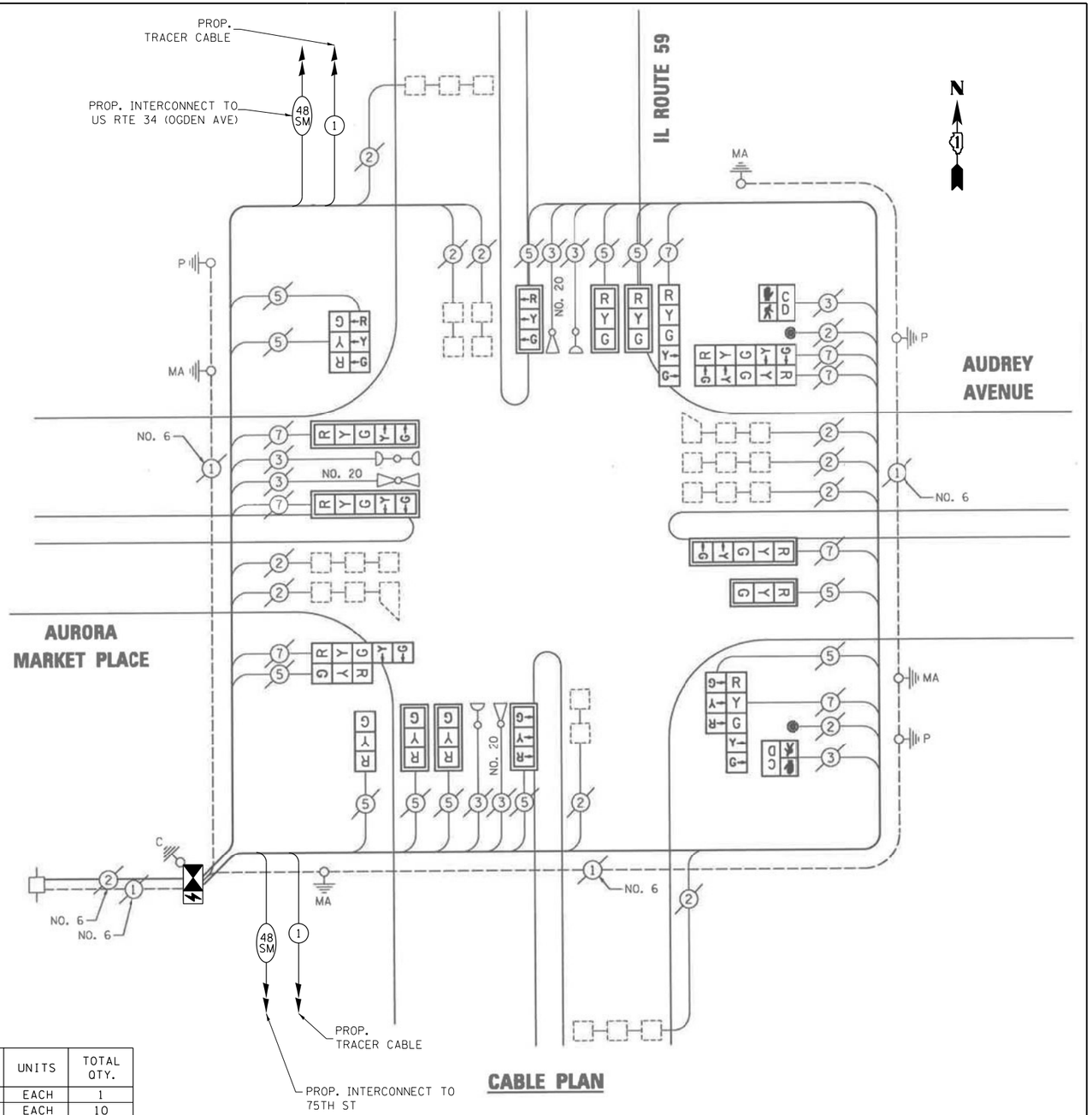
EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	135	17	0.50	170
(YELLOW)	20	135	25	0.25	125
(GREEN)	20	135	15	0.25	75
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	
				TOTAL =	539.2

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY CONTACT: X
PHONE: X
COMPANY: X



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTORS	EACH	10
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 12310
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #59
IL RTE 59 AT AUDREY AVE/MARKET PL CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	226
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-518-Centracs Phase 3\CADD_Sheets\226_IL Rte 59 at AUDREY AVE-MARKET PL_CD.dgn

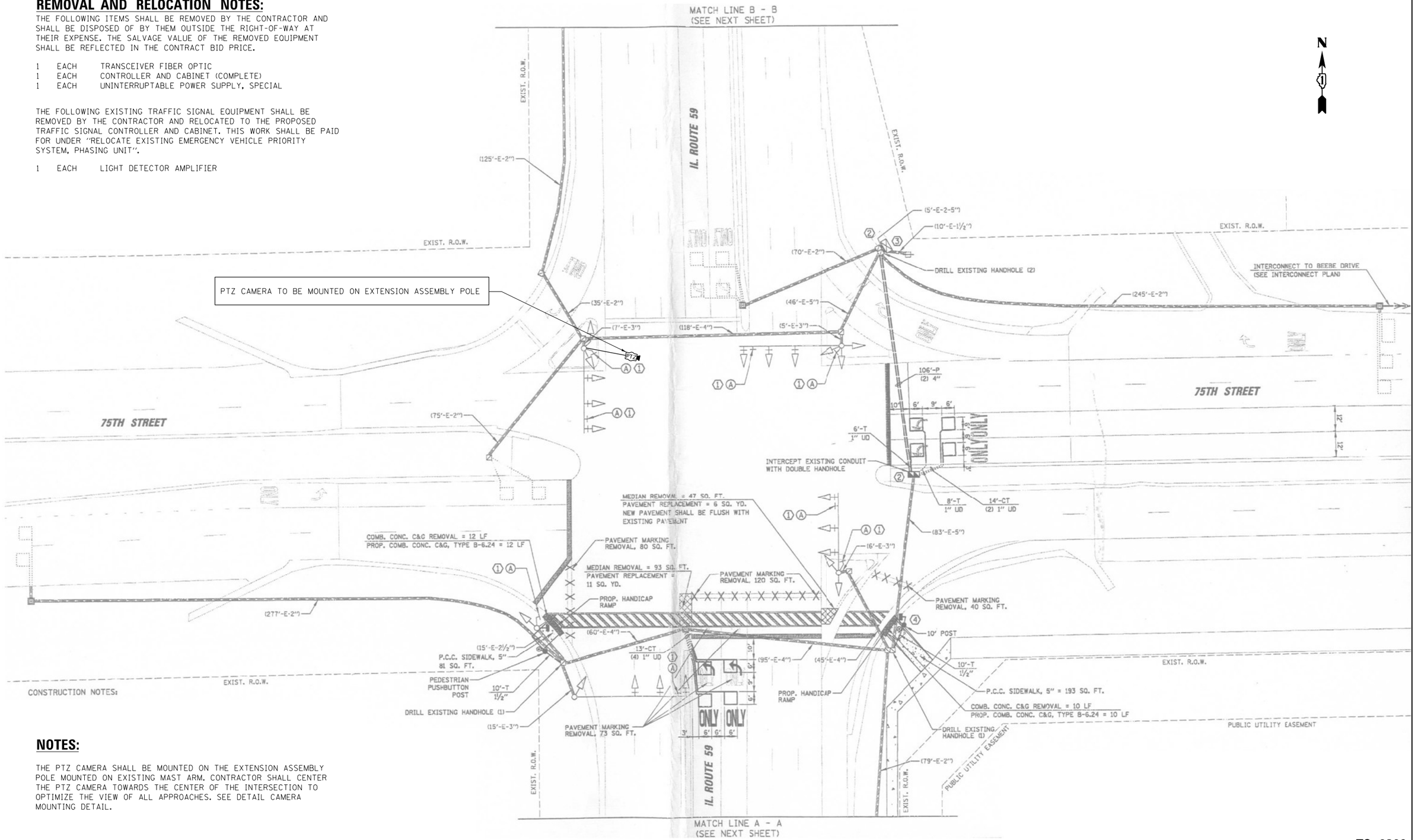
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH CONTROLLER AND CABINET (COMPLETE)
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



CONSTRUCTION NOTES:

NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6360
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 '/ in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

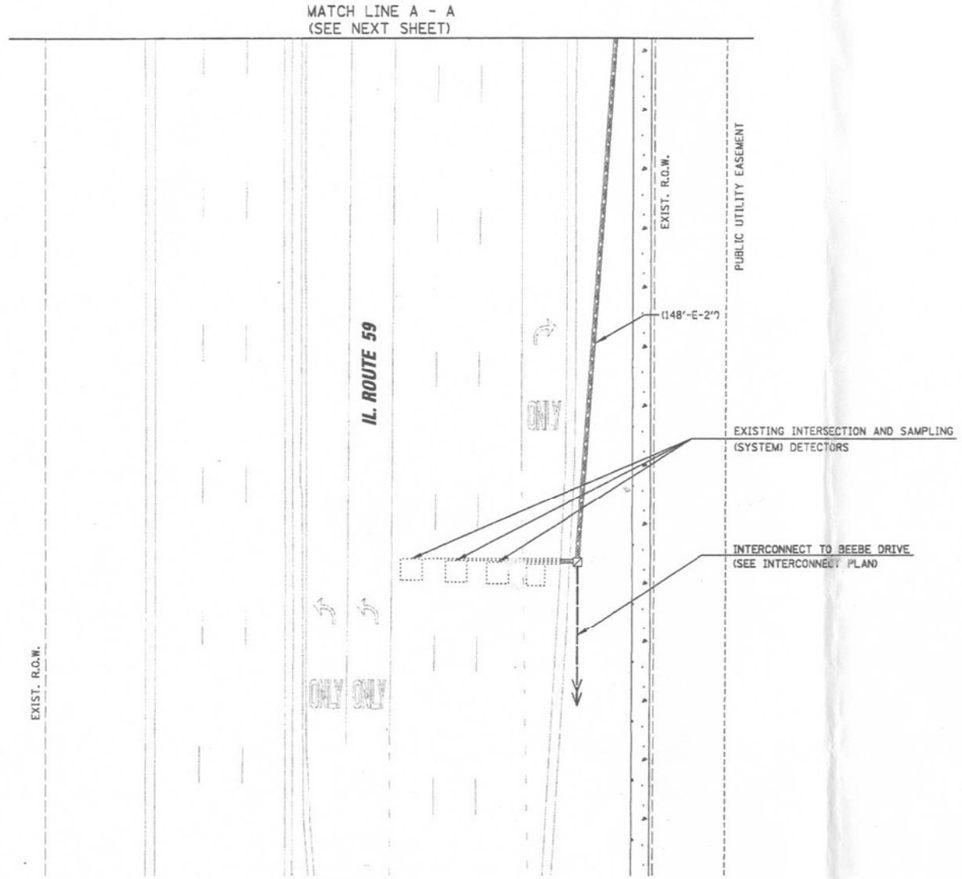
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

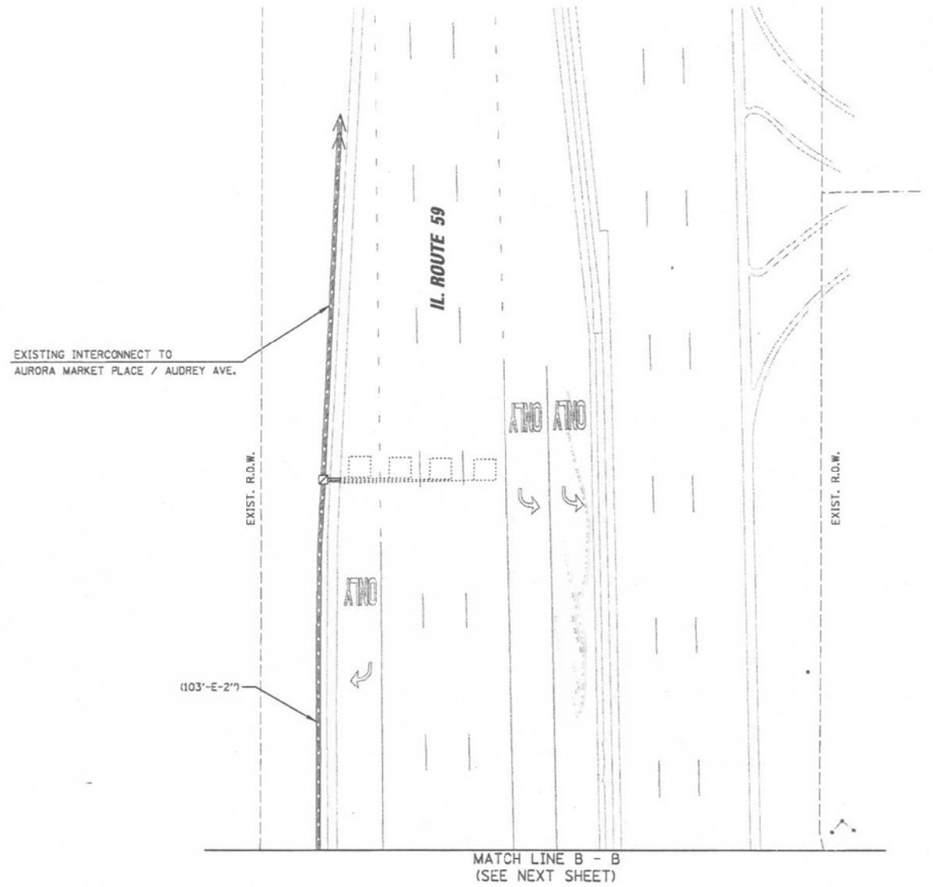
LOCATION #60
IL RTE 59 AT 75TH ST INTERSECTION PLAN
SHEET 1

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	227
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\227_IL Rte 59 at 75TH ST_INT.dgn





"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 6360
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #60
IL RTE 59 AT 75TH ST INTERSECTION PLAN
SHEET 2

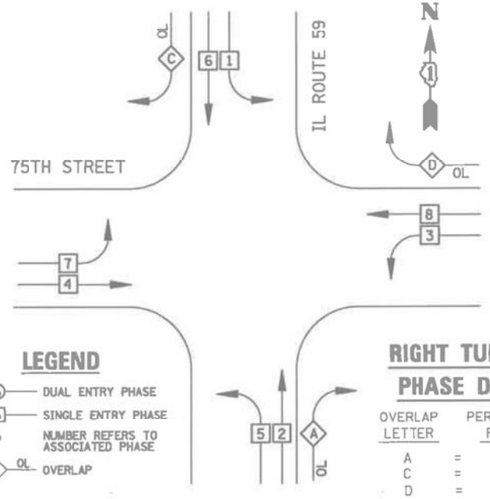
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	228
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\227A_IL Rte 59 at 75TH ST_INT_2.dgn

EXISTING CONTROLLER SEQUENCE



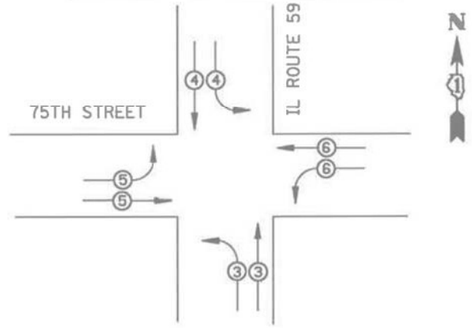
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
C	=	6	+	7
D	=	8	+	1

EXISTING PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

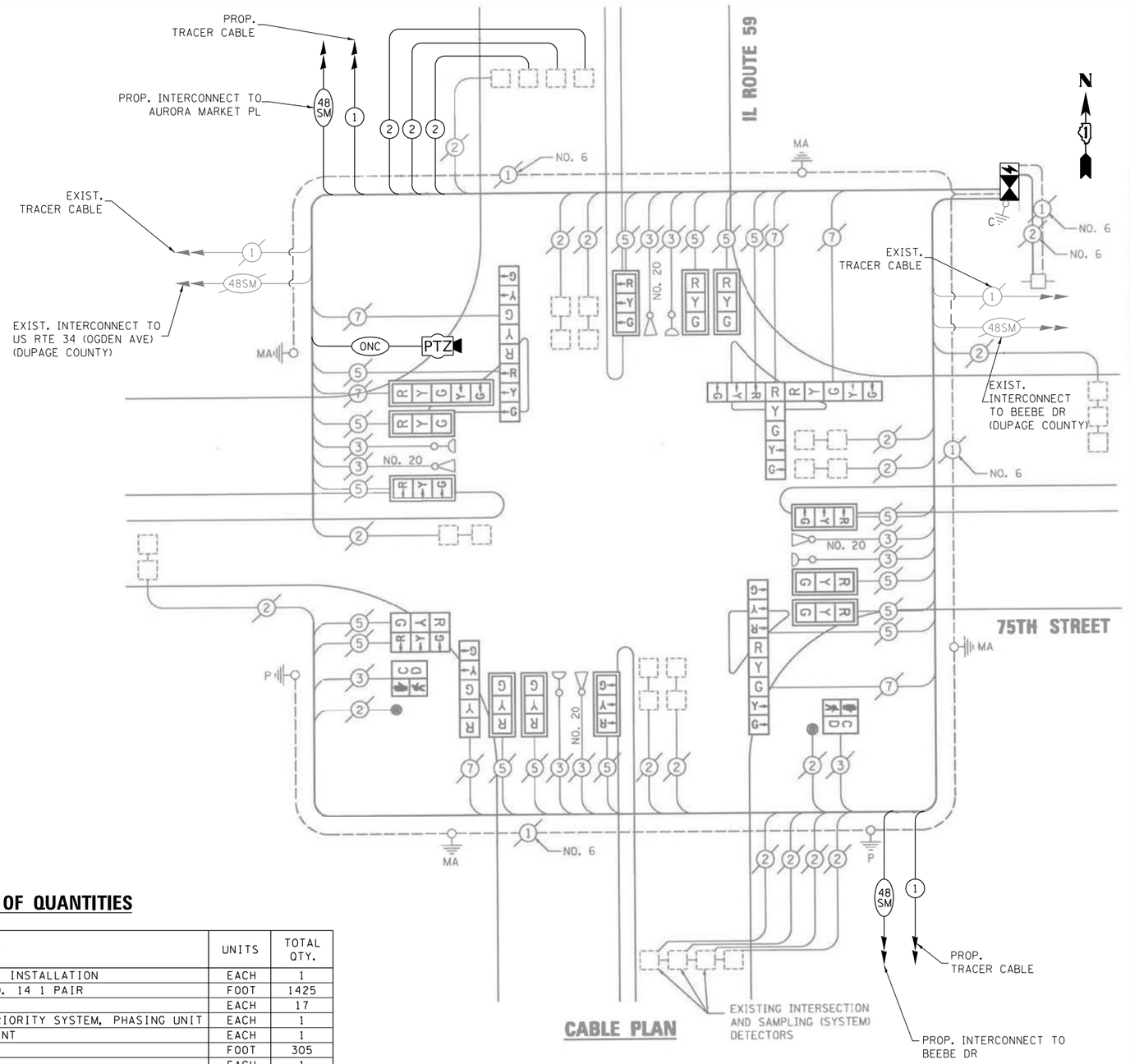
EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	135	17	0.50	187
(YELLOW)	22	135	25	0.25	137.5
(GREEN)	22	135	15	0.25	82.5
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	
ENERGY COSTS TO:				TOTAL =	566.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY CONTACT: X
PHONE: X
COMPANY: X



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1425
INDUCTIVE LOOP DETECTORS	EACH	17
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	305
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6360
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED - 5/12/2023
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #60
IL RTE 59 AT 75TH ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	229
		CONTRACT NO. 62T53		

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

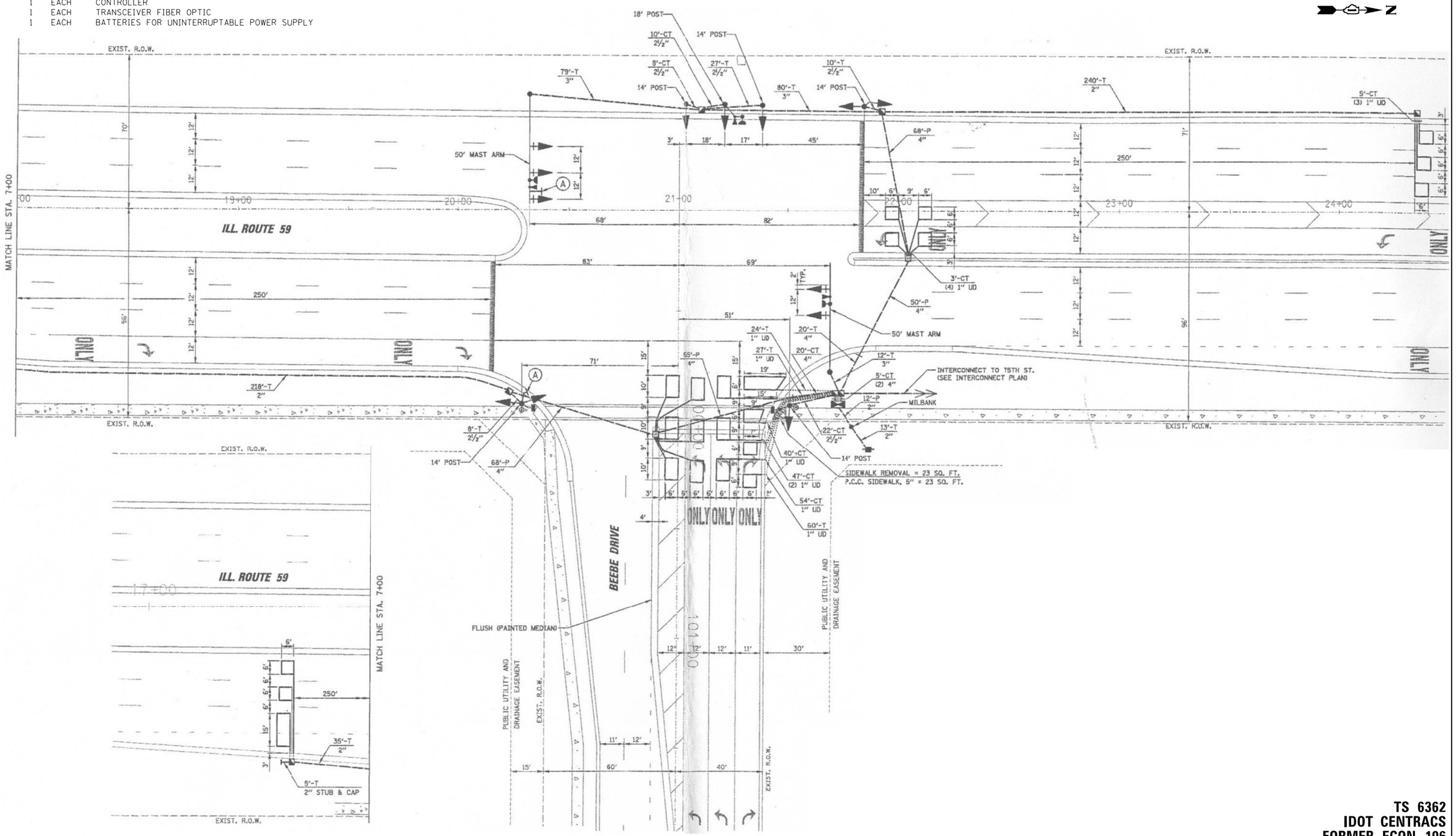
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\228.IL Rte 59 at 75TH ST_CD.dgn

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



TS 6362
IDOT CENTRACS
FORMER ECON 106

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:/773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
		DRAWN - EA, AV	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

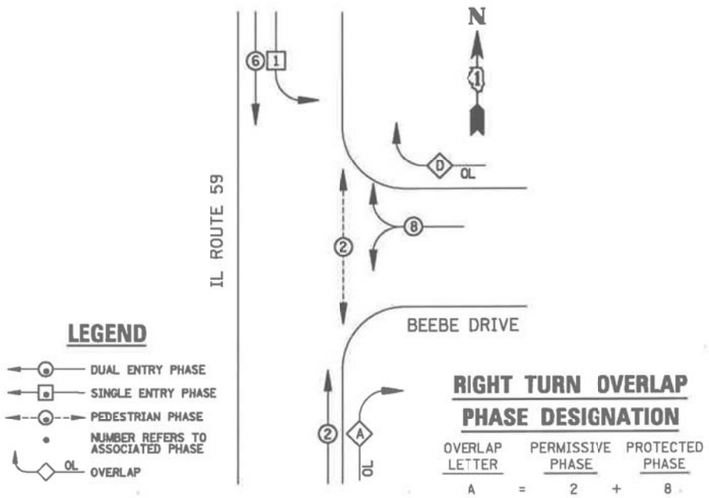
LOCATION #61
IL RTE 59 AT BEEBE DR INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	230
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\229_IL Rte 59 at BEEBE DR_INT.dgn

EXISTING CONTROLLER SEQUENCE



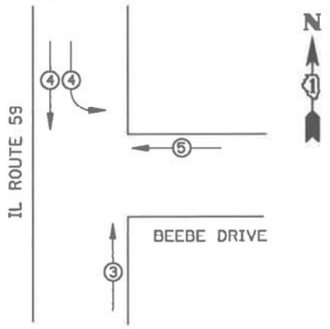
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	8
D	=	8	+	1

EXISTING PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	↑	↓	←

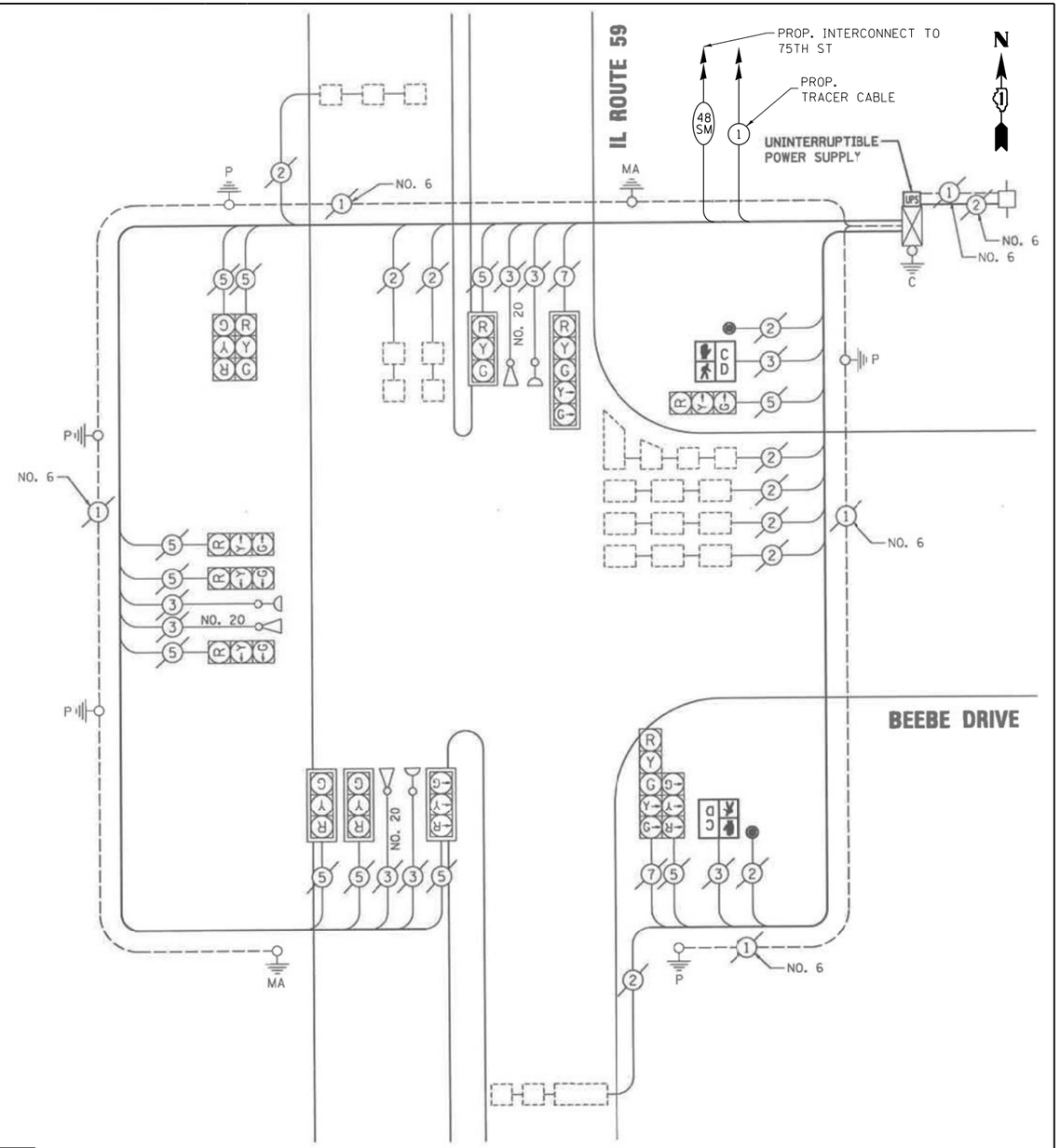
EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	135	17	0.50	110.5
(YELLOW)	13	135	25	0.25	81.25
(GREEN)	13	135	15	0.25	48.75
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	
ENERGY COSTS TO:				TOTAL =	395.3

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY CONTACT: X
PHONE: X
COMPANY: X



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 6362
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #61
IL RTE 59 AT BEEBE DR CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	231
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\230_IL Rte 59 at BEEBE DR_CD.dgn

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

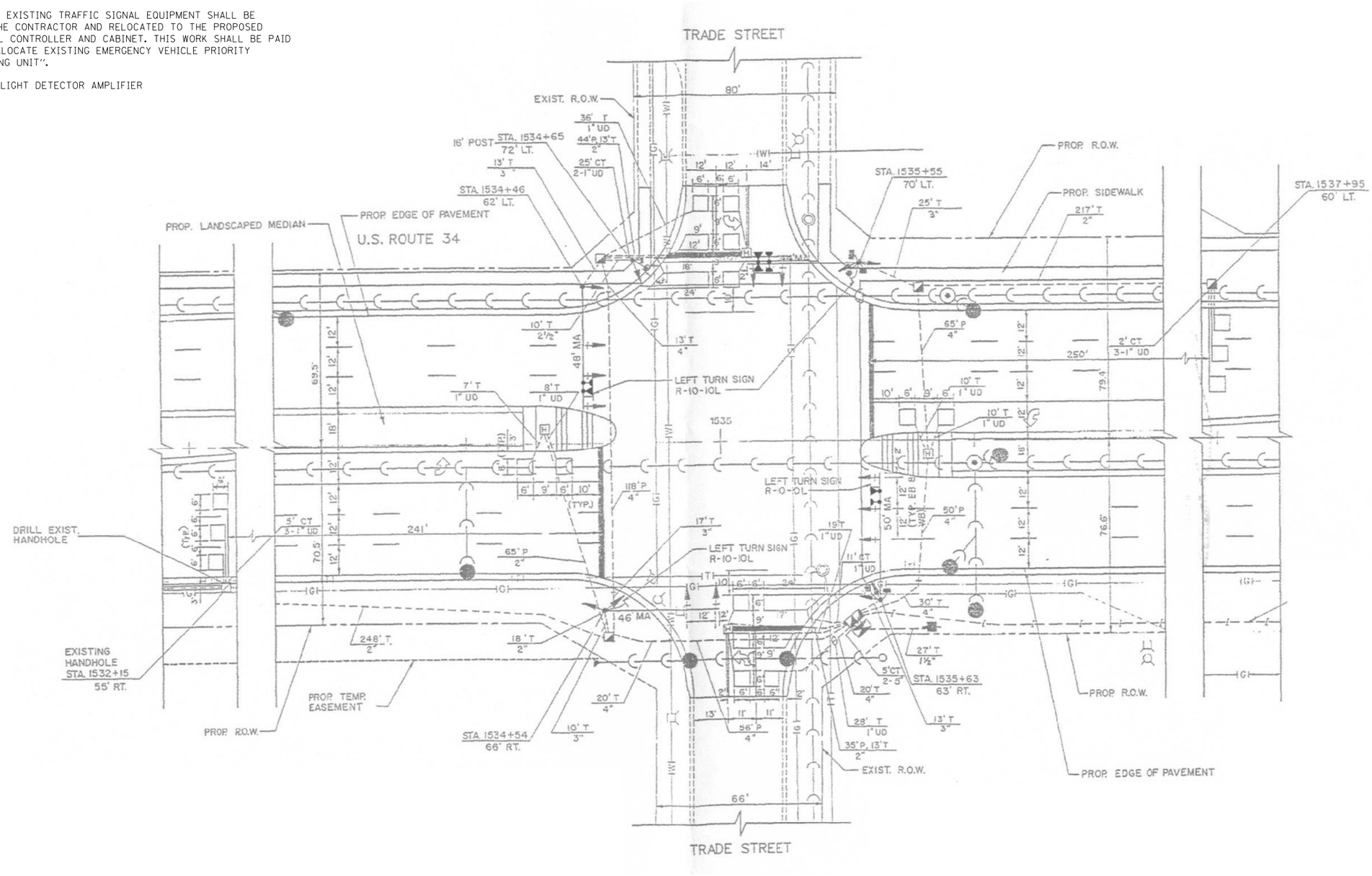
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH CONTROLLER AND CABINET (COMPLETE)
1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



TS 12360
IDOT CENTRACS
FORMER ECON 106

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.:(773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
		DRAWN - EA, AV	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

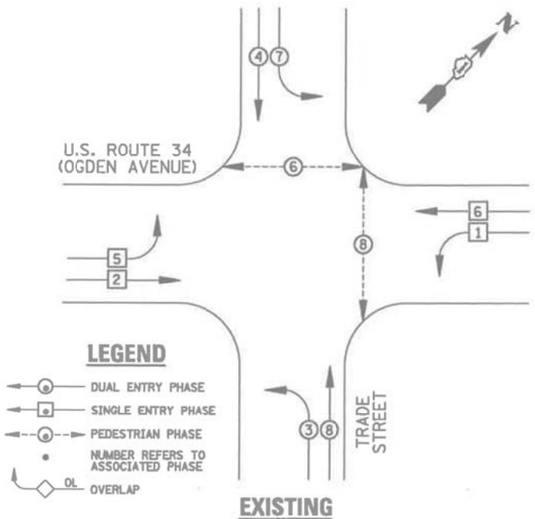
LOCATION #62
US RTE 34 (OGDEN AVE) AT TRADE ST INTERSECTION PLAN

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

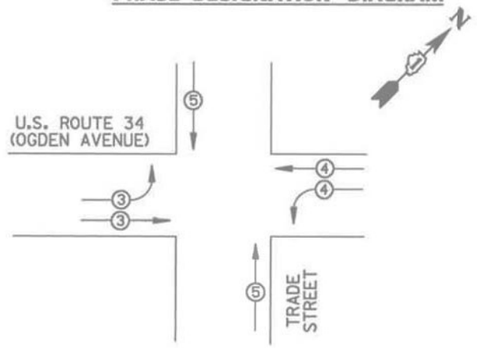
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	232
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\230A_US Rte 34 at TRADE ST_INT.dgn

EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM



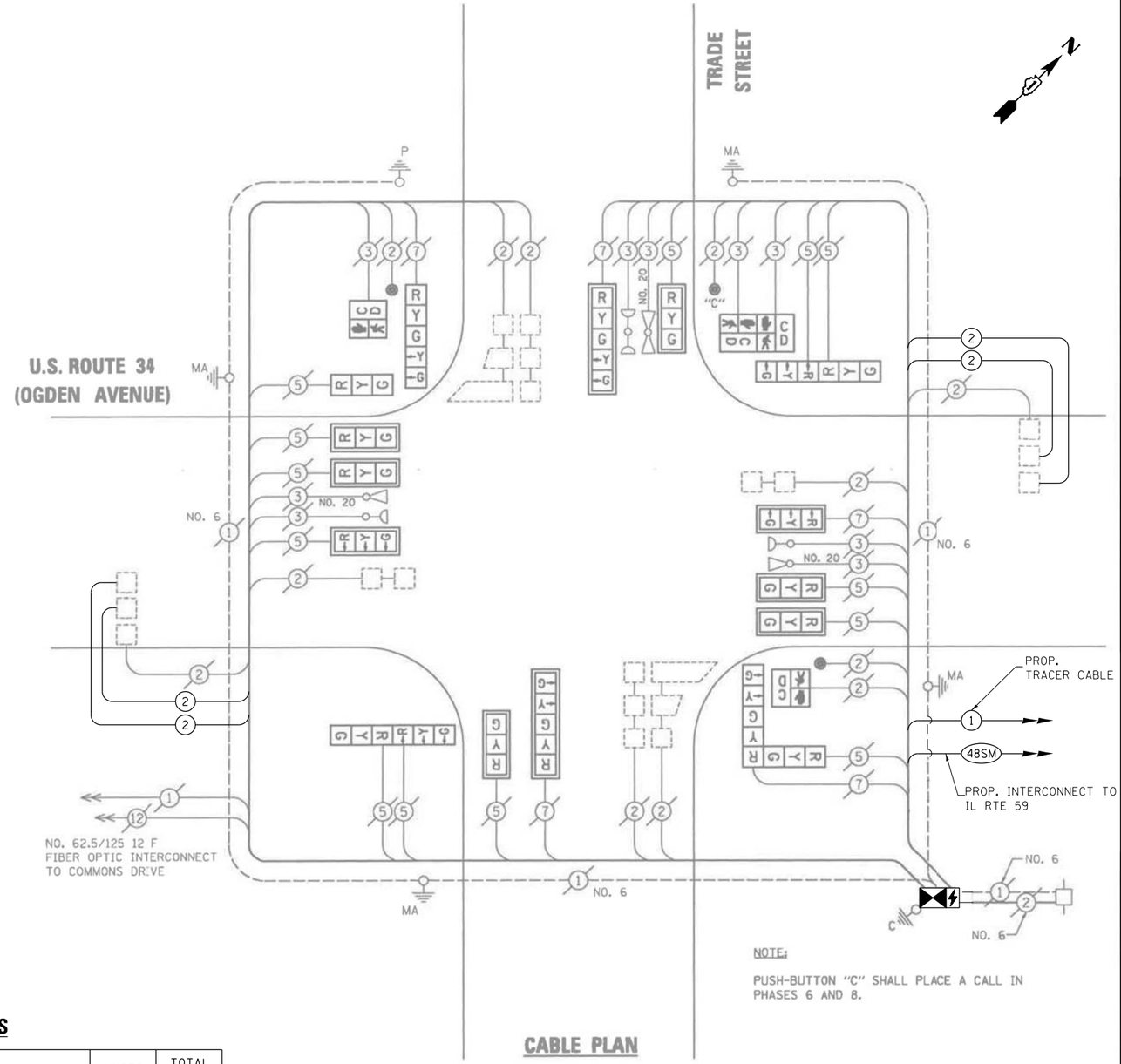
EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	
SIGNAL (RED)	18	135	17	0.50	153
(YELLOW)	18	135	25	0.25	112.5
(GREEN)	18	135	15	0.25	67.5
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096				TOTAL =	542.6
ENERGY SUPPLY CONTACT: X PHONE: X COMPANY: X					

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1530
INDUCTIVE LOOP DETECTOR	EACH	12
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
TERMINAL SERVER	EACH	1



NOTE:

PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

CABLE PLAN

TS 12360
IDOT CENTRACS
FORMER ECON 106

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.:773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #62 US ROUTE 34 (OGDEN AVE) AT TRADE ST CABLE PLAN
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	233
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

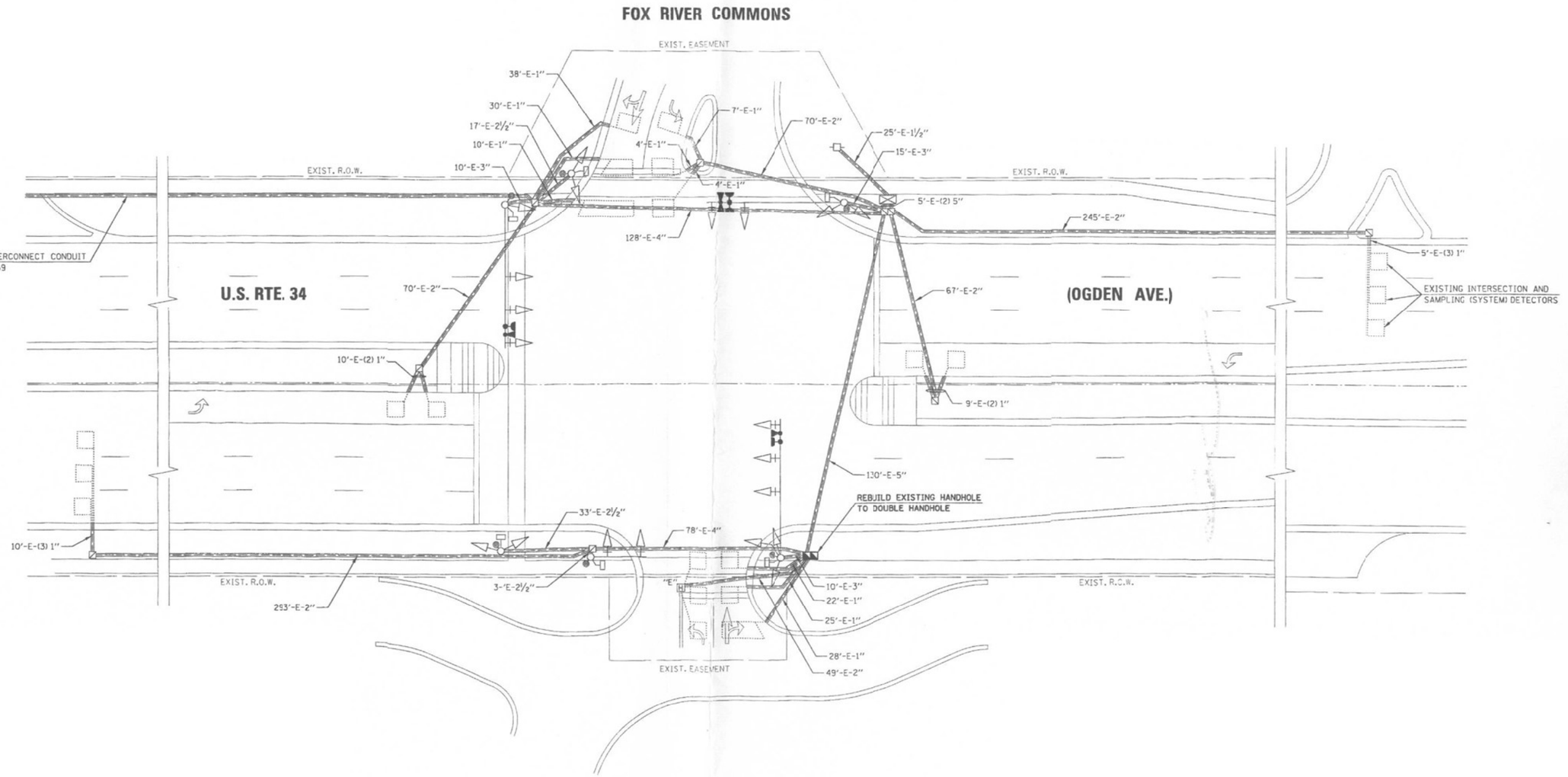
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\2308_US Rte 34 at TRADE ST_CD.dgn

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



TS 20910
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

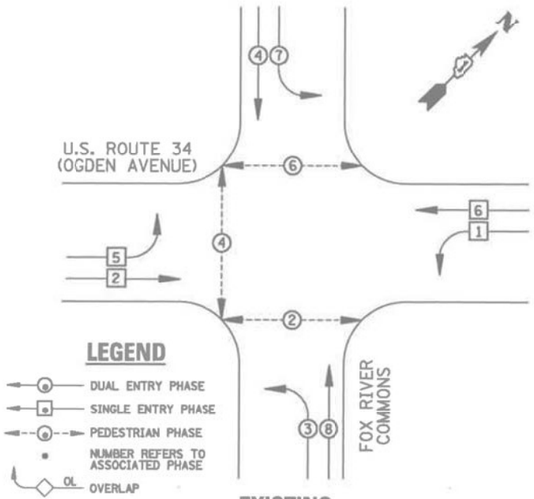
LOCATION #63
US RTE 34 (OGDEN AVE) AT FOX RIVER COMMONS INTERSECTION PLAN

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

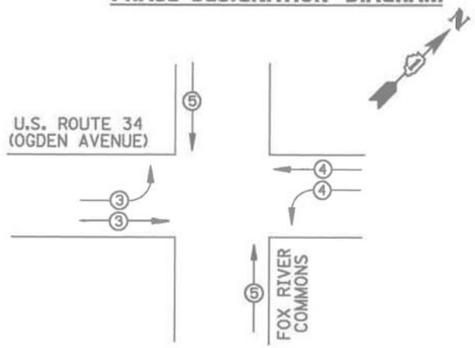
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	234
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-5101-Centracs Phase 3\CADD_Sheets\230C_US Rte 34 at FOX RIVER COMMONS_INT.dgn

EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM



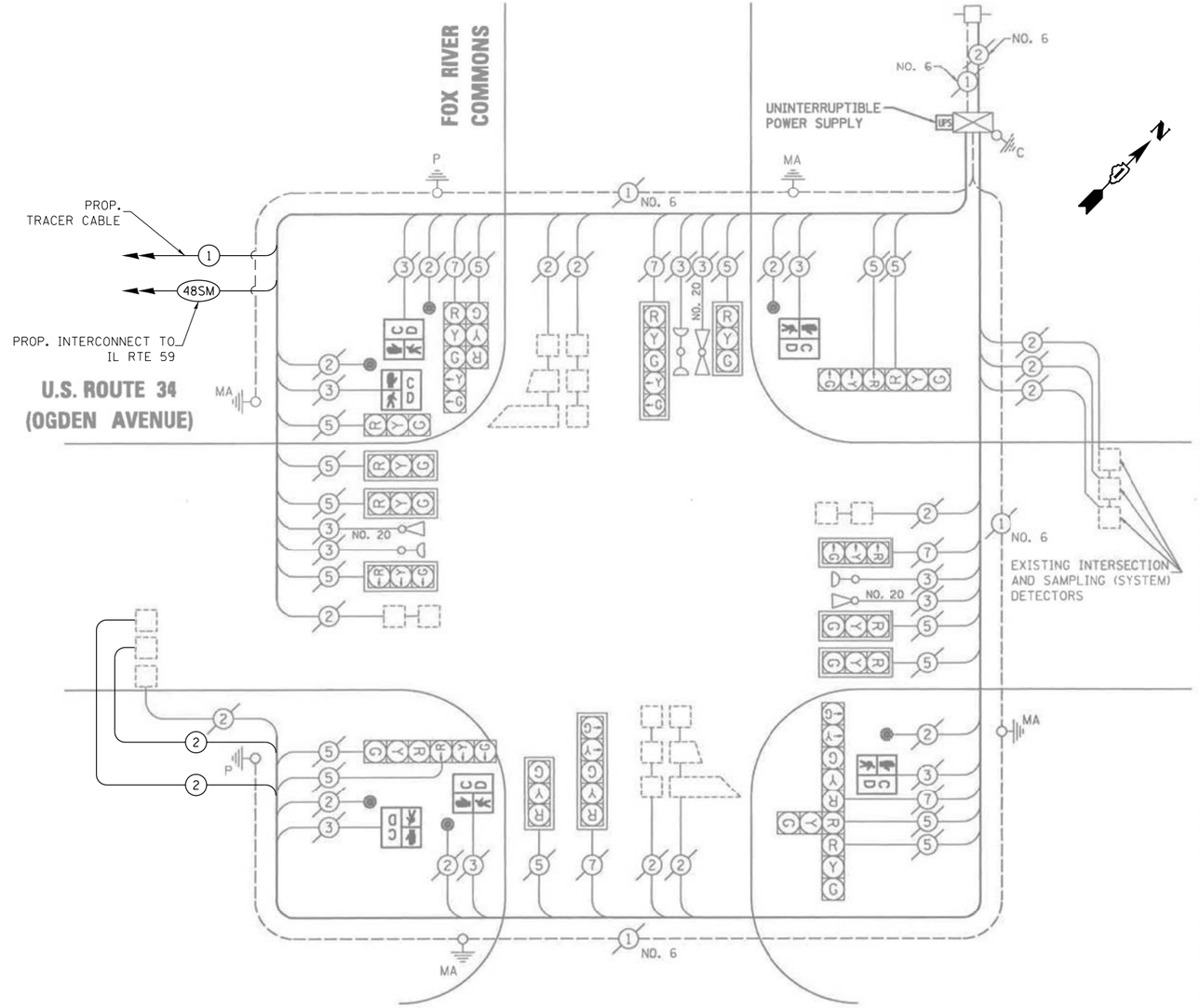
EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	
SIGNAL (RED)	19	135	17	0.50	161.5
(YELLOW)	19	135	25	0.25	118.75
(GREEN)	19	135	15	0.25	71.25
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	6	90	25	1.00	150
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	
				TOTAL =	611.1

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY CONTACT: X
PHONE: X
COMPANY: X



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1100
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

CABLE PLAN

TS 20910
IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

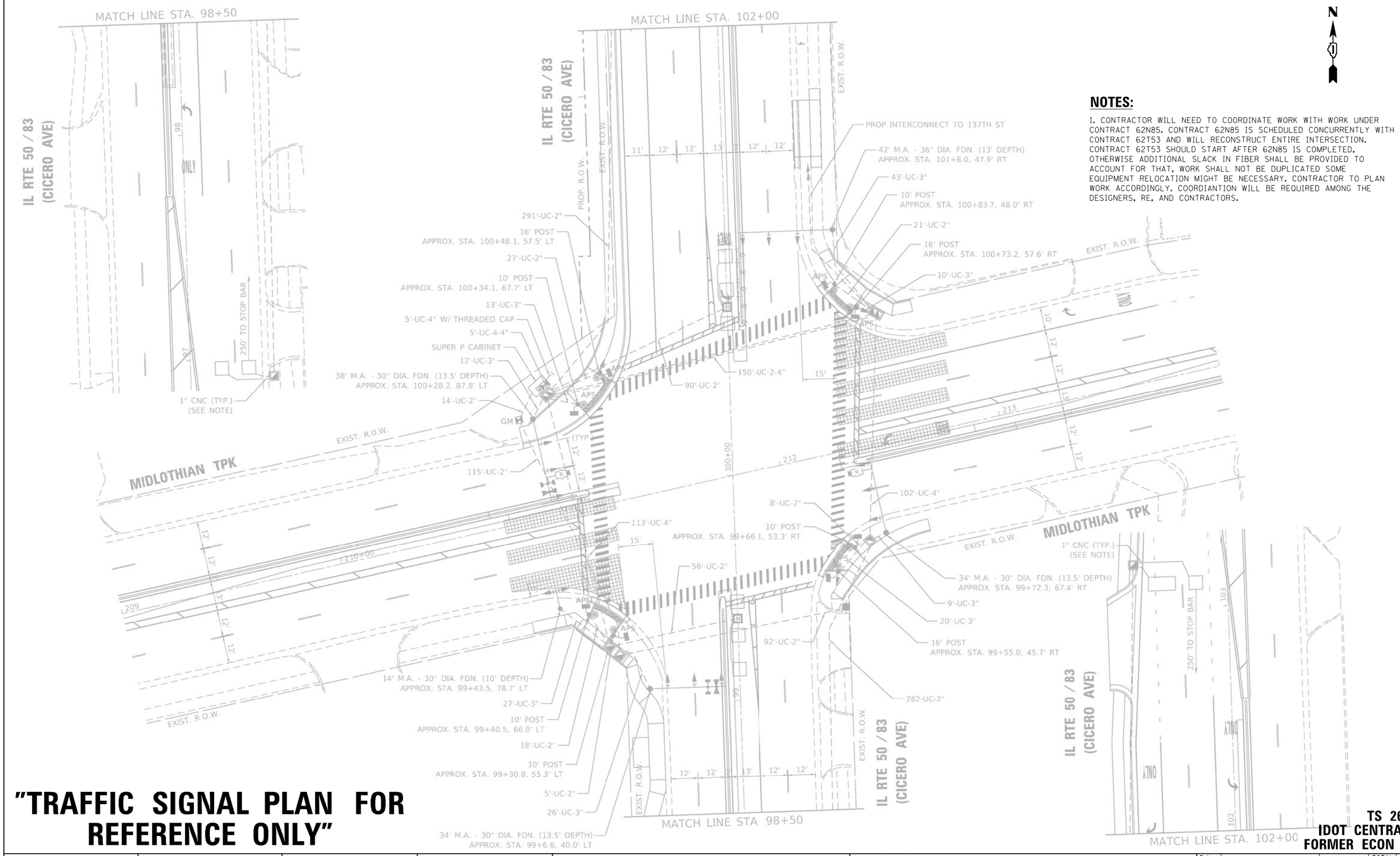
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #63
US ROUTE 34 (OGDEN AVE) AT FOX RIVER COMMONS CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	235
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\2380_US Rte 34 at FOX RIVER COMMONS_CD.dgn



NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62N85. CONTRACT 62N85 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62N85 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2655
IDOT CENTRACS
FORMER ECON 69

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

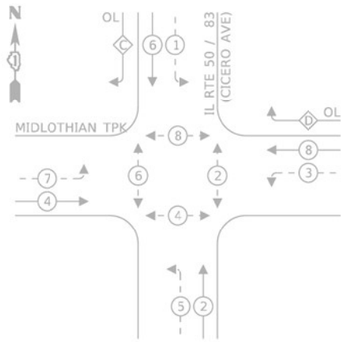
LOCATION #64
IL RTE 50–83 (CICERO AVE) AT MIDLOTHIAN TPK INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	236
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\231.IL Rte 50 at MIDLOTHIAN TPK_INT.dgn

PROPOSED CONTROLLER SEQUENCE



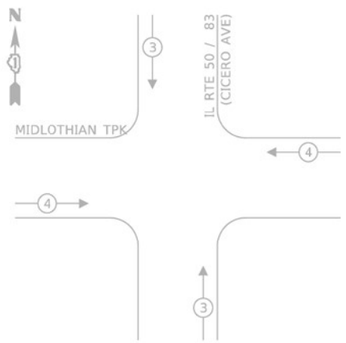
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP (OL)

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	7
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	24	10	10	24.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	547.0

ENERGY COSTS TO:

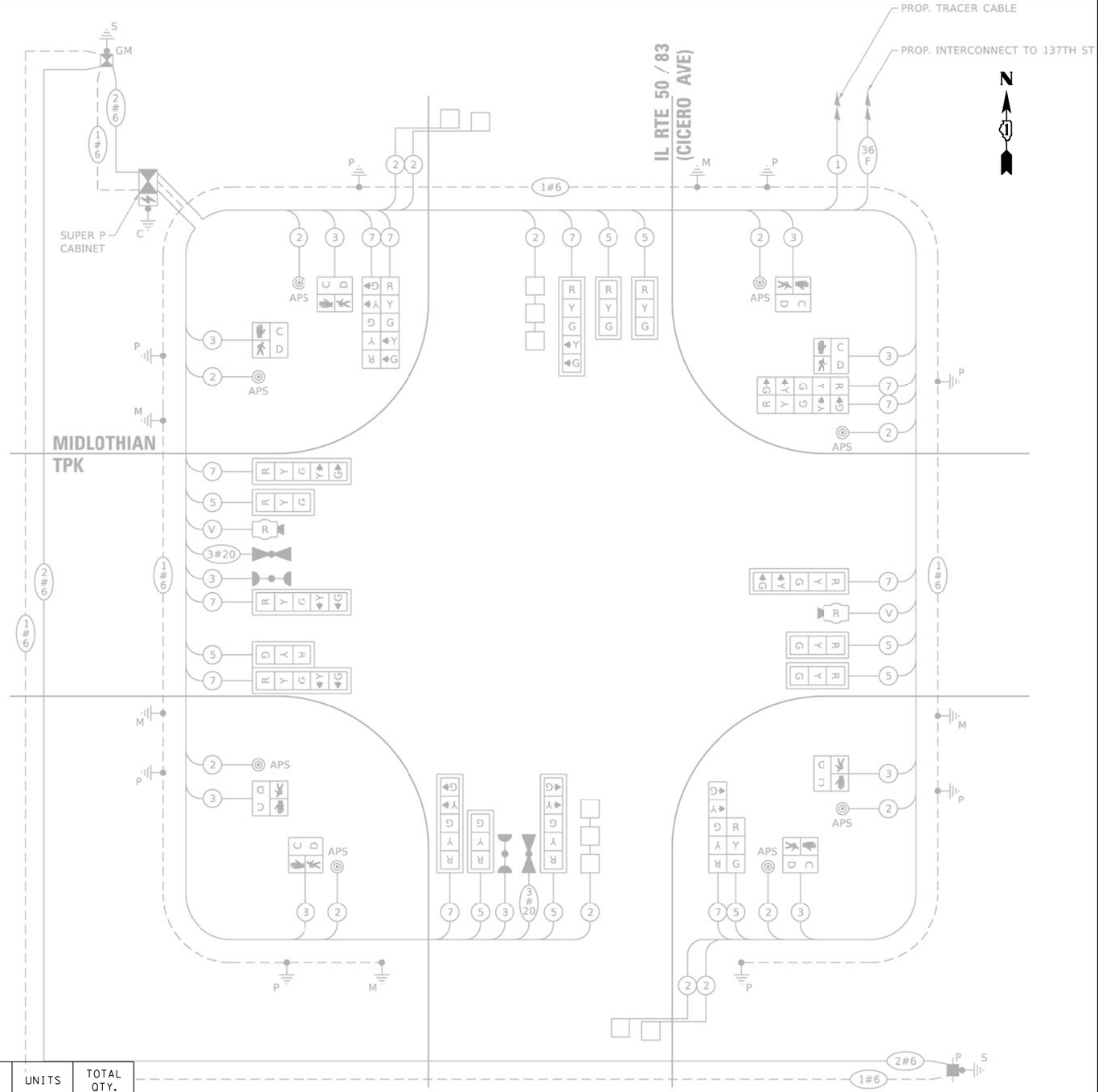
VILLAGE OF CRESTWOOD

ENERGY SUPPLY: CONTACT:_____

PHONE:_____

COMPANY:_____

ACCOUNT NUMBER: 03110-60036



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	6
CENTRACS LICENSE EXPANSION	EACH	1

TS 2655
IDOT CENTRACS
FORMER ECON 69

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #64
IL RTE 50-83 (CICERO AVE) AT MIDLOTHIAN TPK CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	237
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\232_IL Rte 50 at MIDLOTHIAN TPK_CD.dgn

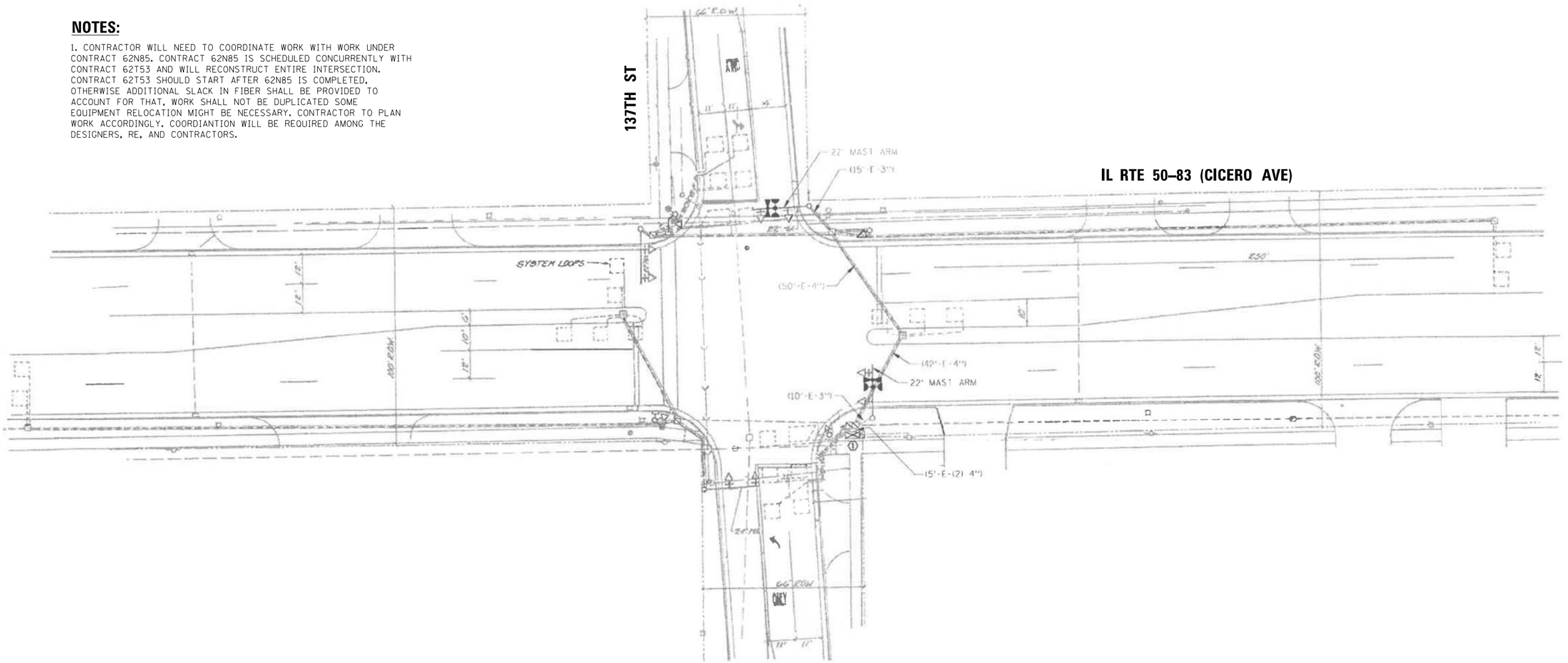
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	CONTROLLER
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY

NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62N85. CONTRACT 62N85 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62N85 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT. WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 20366
IDOT CENTRACS
FORMER ECON 69

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #65
IL RTE 50–83 (CICERO AVE) AT 137TH ST INTERSECTION PLAN

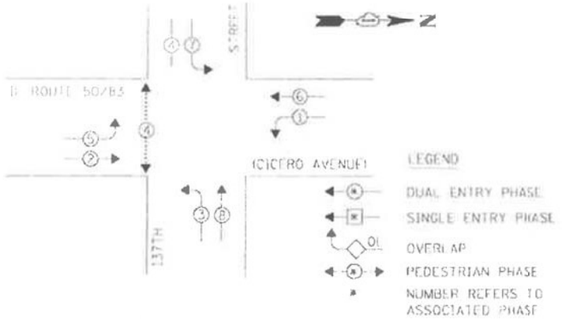
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	238
		CONTRACT NO. 62T53		

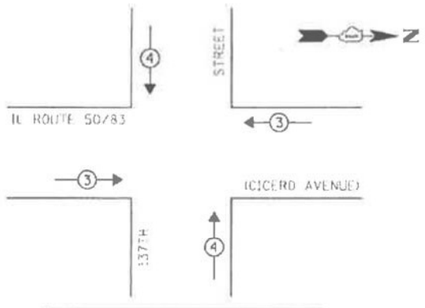
FED. ROAD DIST. NO. - | ILLINOIS | FED. AID PROJECT

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\233_IL Rte 50 at 137TH ST_INT.dgn

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

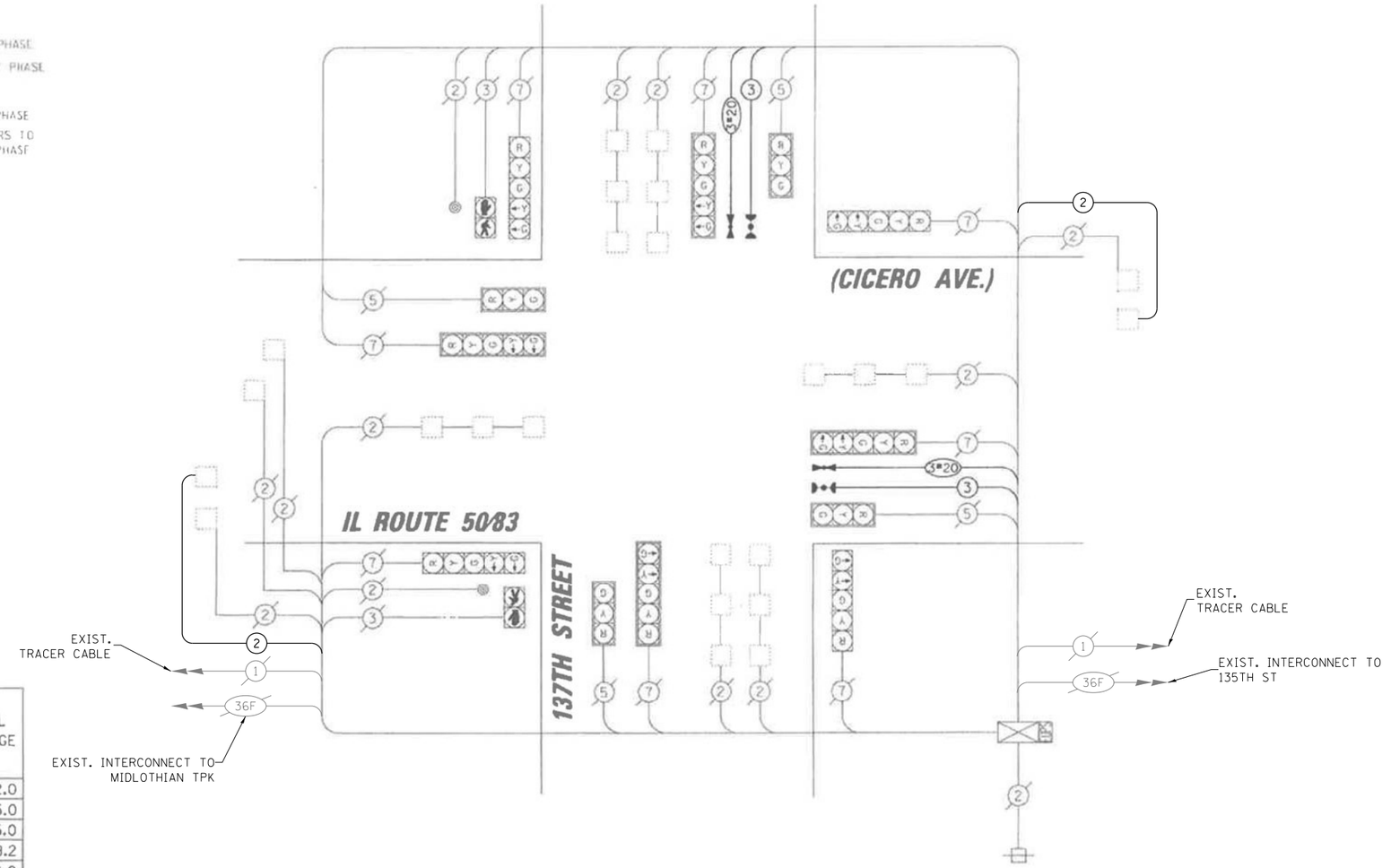


PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	WATTAGE LED	X % OPERATION	
SIGNAL (RED)	12		12	0.50	72.0
(YELLOW)	12		25	0.25	75.0
(GREEN)	12		15	0.25	45.0
ARROW	16		12	0.10	19.2
PED. SIGNAL	2		25	1.00	50.0
CONTROLLER	1		100	1.00	100.0
LUMINAIRE	-		250	0.50	-
ILLUMINATED SIGN	-		25	0.50	-
VIDEO SYSTEM	-		150	1.00	-
BATTERY BACKUP SYSTEM	1		25	1.00	-
FLASHER	-		25	0.50	-
ENERGY COSTS TO:				TOTAL =	386.2

Village of Crestwood
13840 S Cicero Avenue
Crestwood, IL 60445

ENERGY SUPPLY: PHONE: (866) 639-3532
COMPANY: COMED - New Business



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	770
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1

TS 20366
IDOT CENTRACS
FORMER ECON 69

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\234_IL Rte 50 at 137TH ST_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #65
IL RTE 50-83 (CICERO AVE) AT 137TH ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	239
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

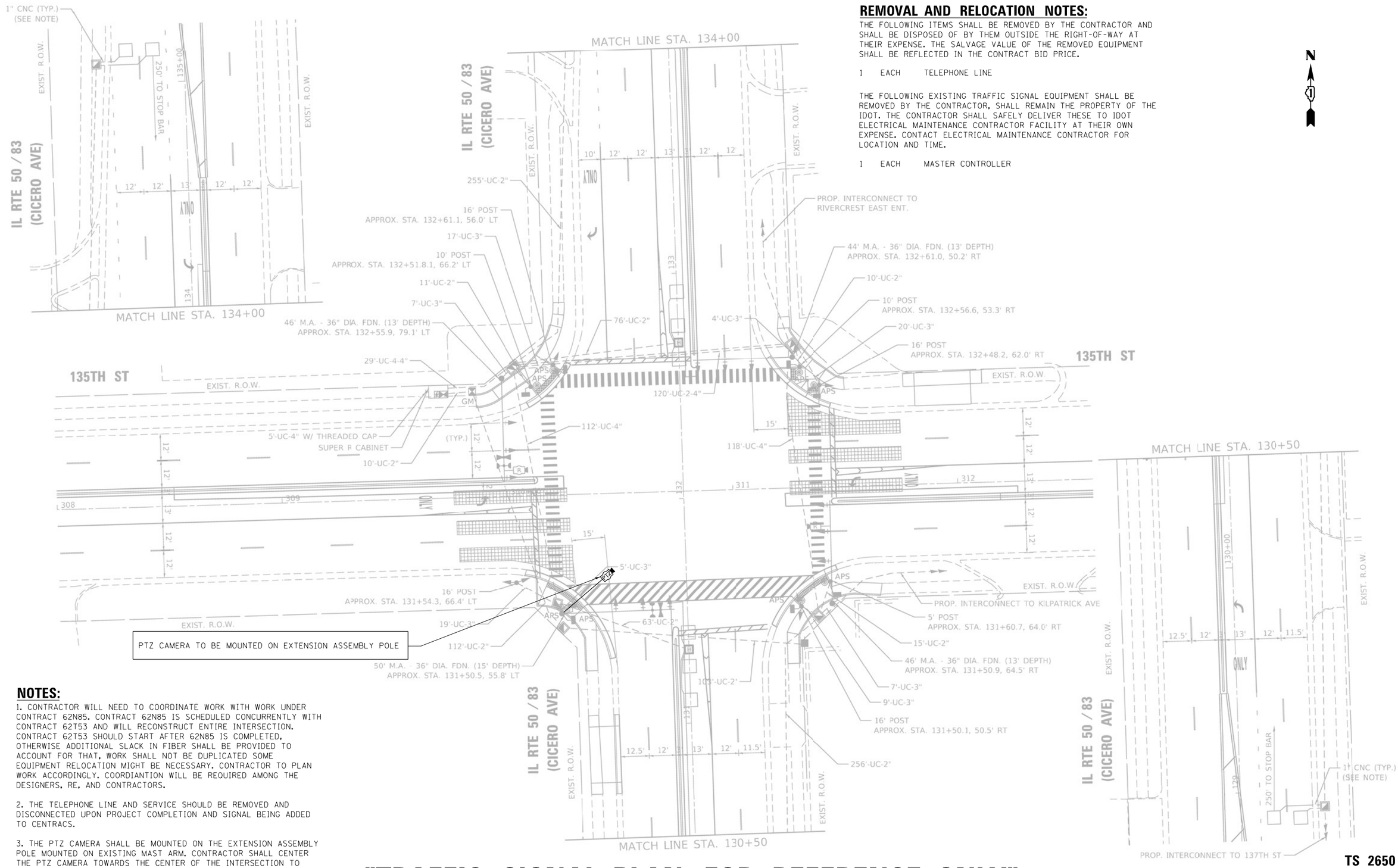
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TELEPHONE LINE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH MASTER CONTROLLER



PTZ CAMERA TO BE MOUNTED ON EXTENSION ASSEMBLY POLE

NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62N85. CONTRACT 62N85 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62N85 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

2. THE TELEPHONE LINE AND SERVICE SHOULD BE REMOVED AND DISCONNECTED UPON PROJECT COMPLETION AND SIGNAL BEING ADDED TO CENTRACS.

3. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2650
IDOT CENTRACS
FORMER ECON 69

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

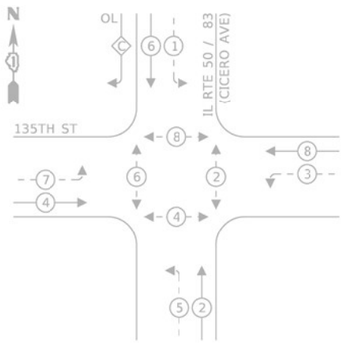
LOCATION #66
IL RTE 50–83 (CICERO AVE) AT 135TH ST INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	240
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\235_IL Rte 50 at 135TH ST_INT.dgn

PROPOSED CONTROLLER SEQUENCE



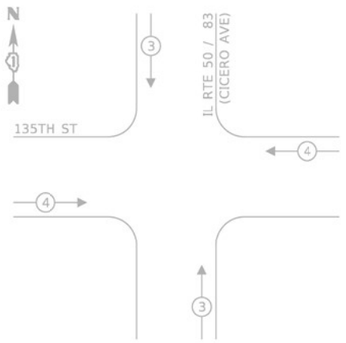
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	20	10	10	20.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	543.0

ENERGY COSTS TO:

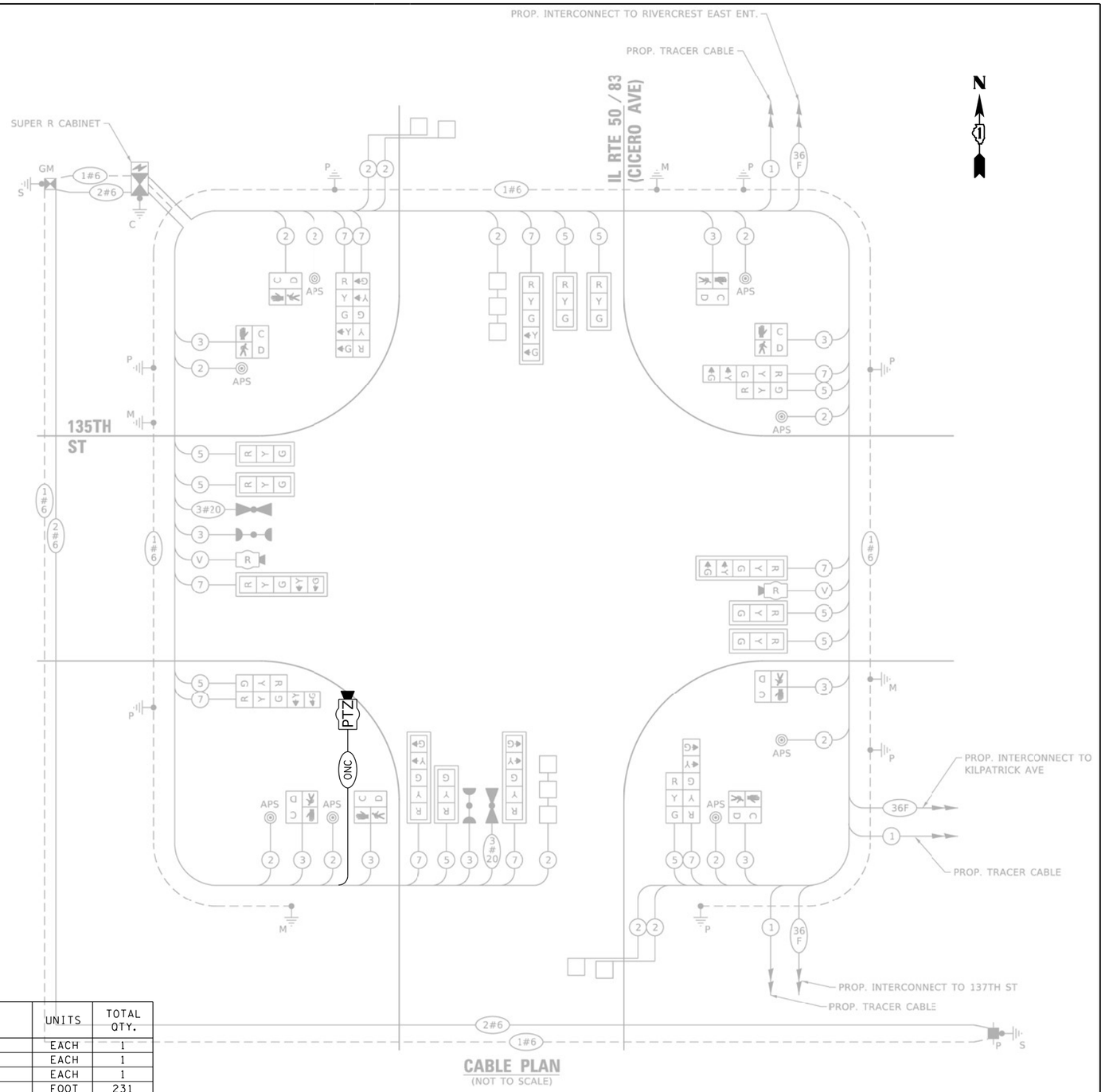
VILLAGE OF CRESTWOOD

ENERGY SUPPLY: CONTACT:_____

PHONE:_____

COMPANY:_____

ACCOUNT NUMBER: 03110-60036



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CELLULAR MODEM	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	231
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
CAMERA MOUNTING ASSEMBLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
TERMINAL SERVER	EACH	1

TS 2650
IDOT CENTRACS
FORMER ECON 69

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #66
IL RTE 50-83 (CICERO AVE) AT 135TH ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	241
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\236_IL Rte 50 at 135TH ST_CD.dgn

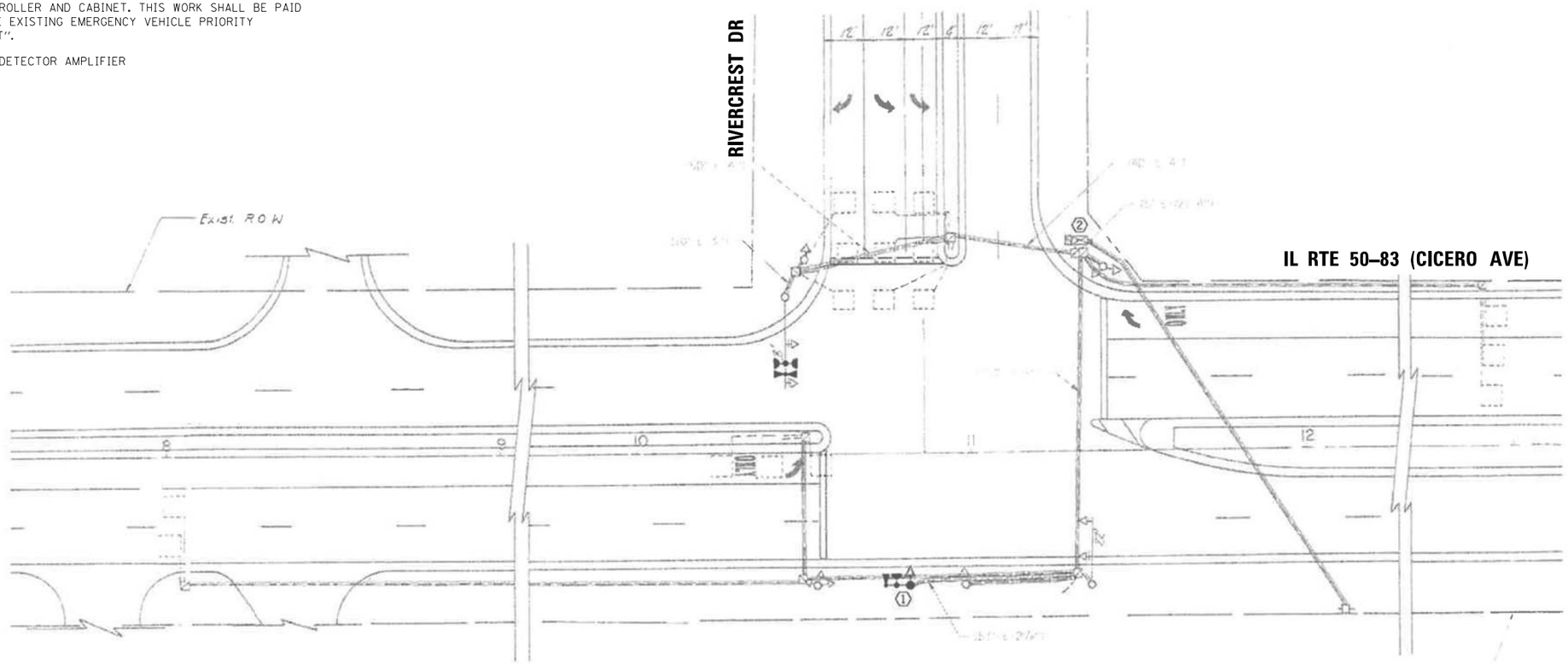
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	CONTROLLER AND CABINET (COMPLETE)
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1	EACH	LIGHT DETECTOR AMPLIFIER



NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62N85. CONTRACT 62N85 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62N85 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2649
IDOT CENTRACS
FORMER ECON 69

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #67
IL RTE 50–83 (CICERO AVE) AT RIVERCREST EAST DR INTERSECTION PLAN

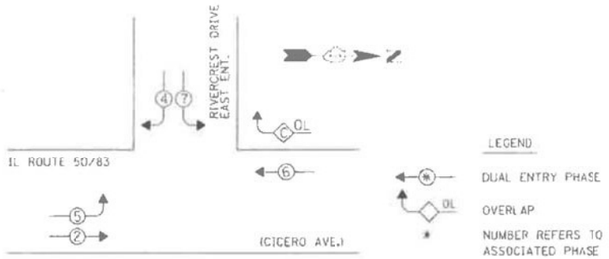
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	242
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\237_IL Rte 50 at RIVERCREST EAST DR_INT.dgn

EXISTING CONTROLLER SEQUENCE

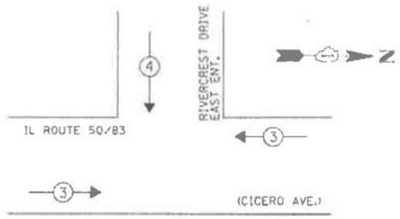


PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

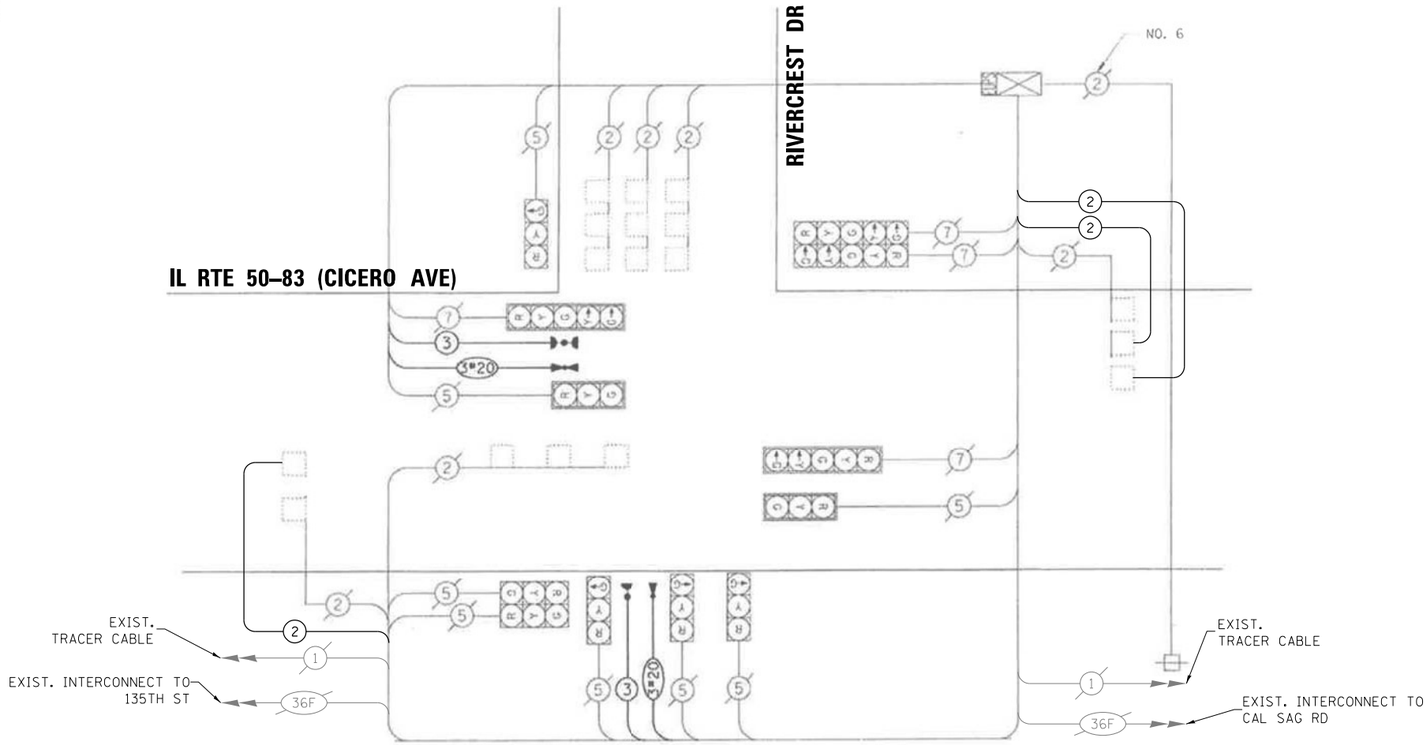


PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE ×INCAND.	WATTAGE LED	× % OPERATION	
SIGNAL (RED)	12		12	0.50	72.0
(YELLOW)	12		15	0.25	45.0
(GREEN)	8		25	0.25	50.0
ARROW	12		12	0.10	14.4
PED. SIGNAL	-		25	1.00	-
CONTROLLER	1		100	1.00	100.0
LUMINAIRE	-		250	0.50	-
ILLUMINATED SIGN	-		25	0.50	-
VIDEO SYSTEM	-		150	1.00	-
BATTERY BACKUP SYSTEM	1		25	1.00	29.0
FLASHER	-		25	0.50	-
ENERGY COSTS TO:				TOTAL =	306.4

Village of Crestwood
13840 S Cicero Avenue
Crestwood, IL 60445

ENERGY SUPPLY: PHONE: (866) 639-3532
COMPANY: COMED - New Business



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1117
INDUCTIVE LOOP DETECTOR	EACH	9
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
Ssplice FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1

TS 2649
IDOT CENTRACS
FORMER ECON 69

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

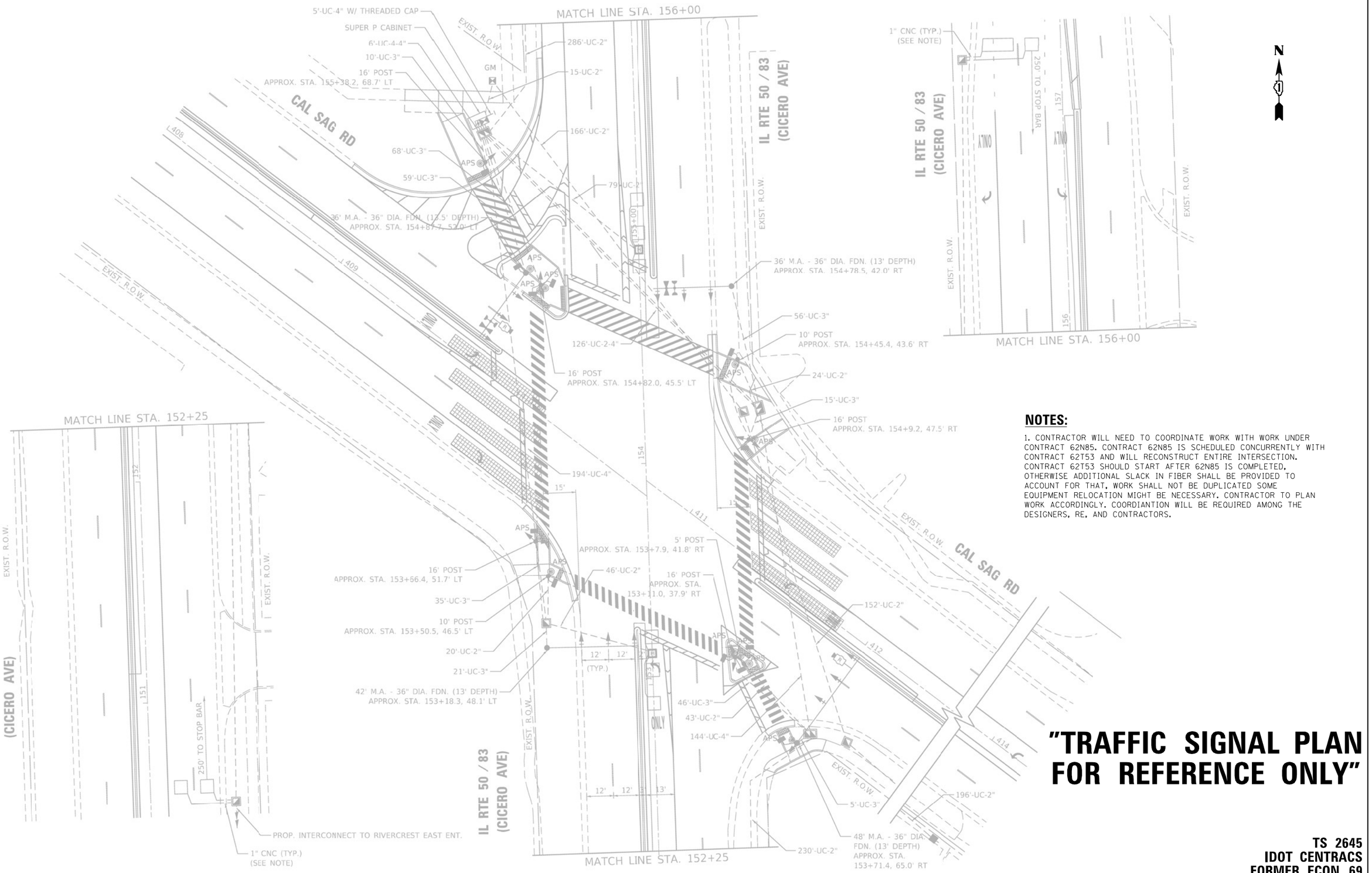
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #67
IL RTE 50–83 (CICERO AVE) AT RIVERCREST EAST DR CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	243
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\238_IL Rte 50 at RIVERCREST EAST DR_CD.dgn



NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62N85. CONTRACT 62N85 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62N85 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2645
IDOT CENTRACS
FORMER ECON 69

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

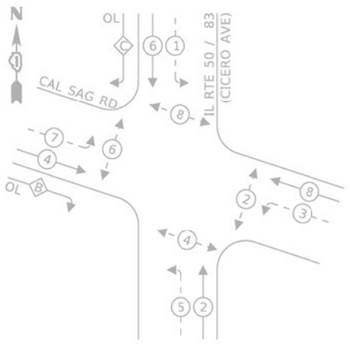
LOCATION #68
IL RTE 50–83 (CICERO AVE) AT CAL SAG RD INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	244
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\239_IL Rte 50 at CAL SAG RD_INT.dgn

PROPOSED CONTROLLER SEQUENCE



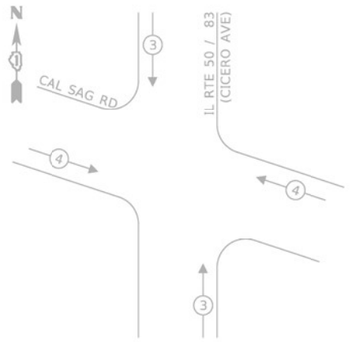
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	6	+	7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



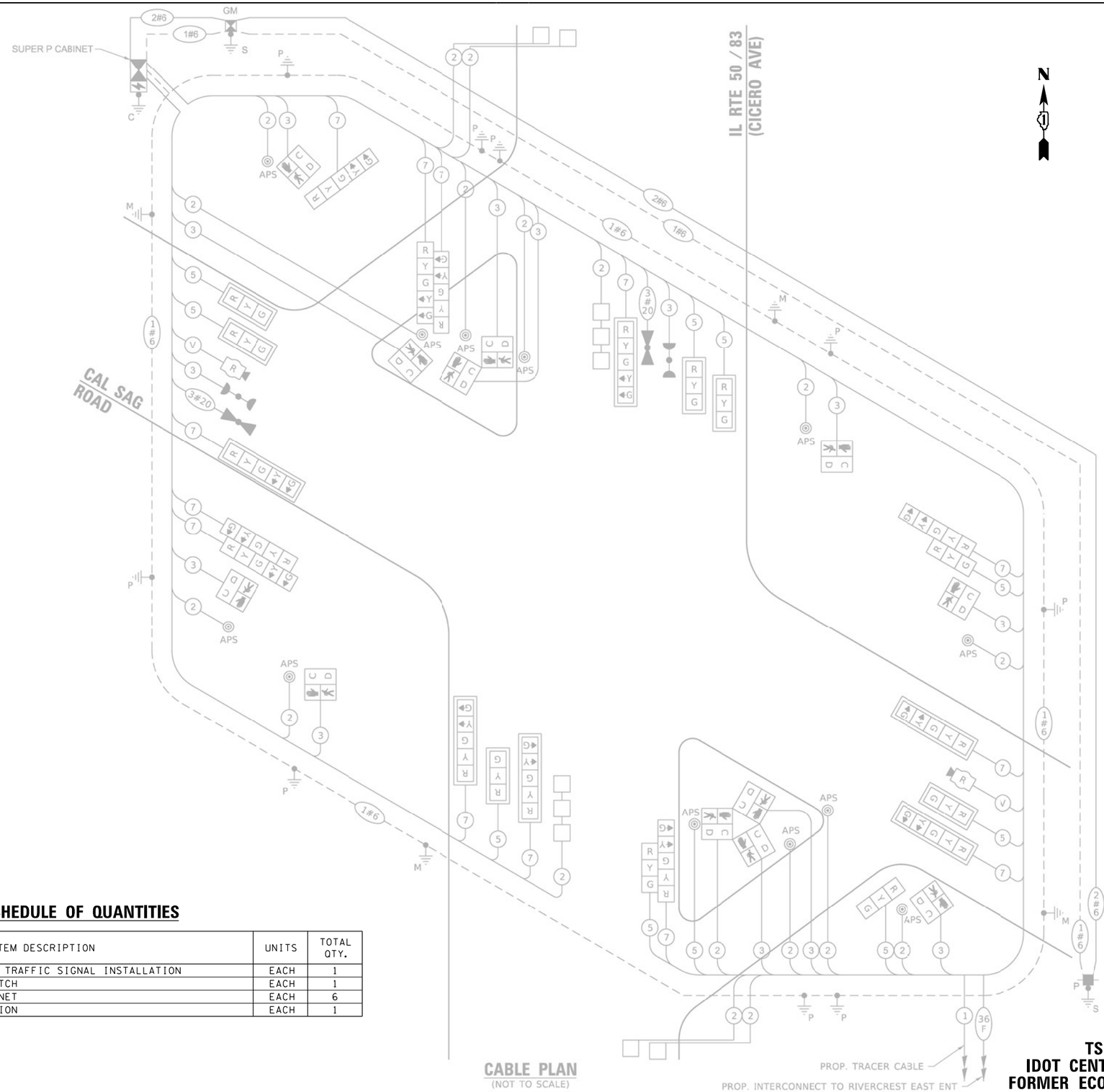
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	11	50	121.0
(YELLOW)	22	20	5	22.0
(GREEN)	22	12	45	118.8
PERMISSIVE ARROW	26	10	10	26.0
PED. SIGNAL	12	20	100	240.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	652.8

ENERGY COSTS TO:

VILLAGE OF CRESTWOOD

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: 03110-60036



CABLE PLAN
(NOT TO SCALE)

PROP. TRACER CABLE
PROP. INTERCONNECT TO RIVERCREST EAST ENT

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	6
CENTRACS LICENSE EXPANSION	EACH	1

TS 2645
IDOT CENTRACS
FORMER ECON 69

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

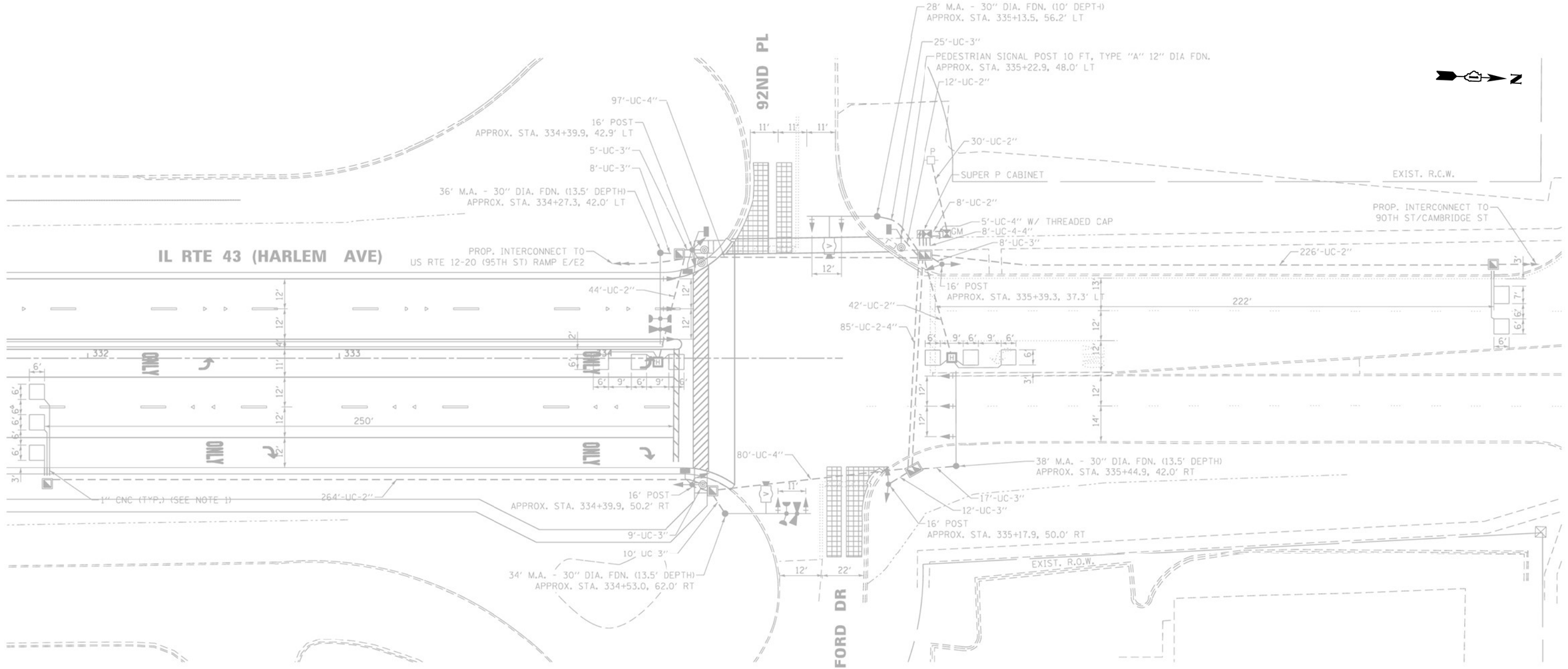
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #68
IL RTE 50–83 (CICERO AVE) AT CAL SAG RD CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	245
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\240_IL Rte 50 at CAL SAG RD_CD.dgn



NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 60R49. CONTRACT 60R49 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 60R49 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2335
IDOT CENTRACS
FORMER ECON 61

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\241_IL Rte 43 at 92ND PL-STANFORD DR_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

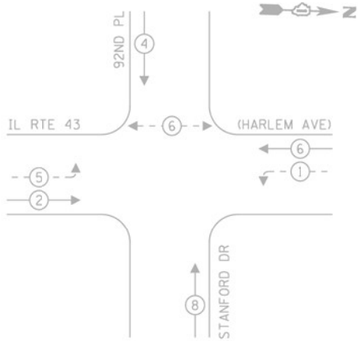
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #69
IL RTE 43 (HARLEM AVE) AT 92ND PL/STANFORD DR INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	246
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

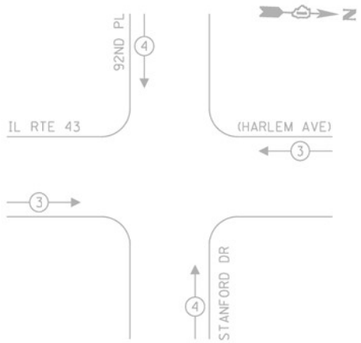
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



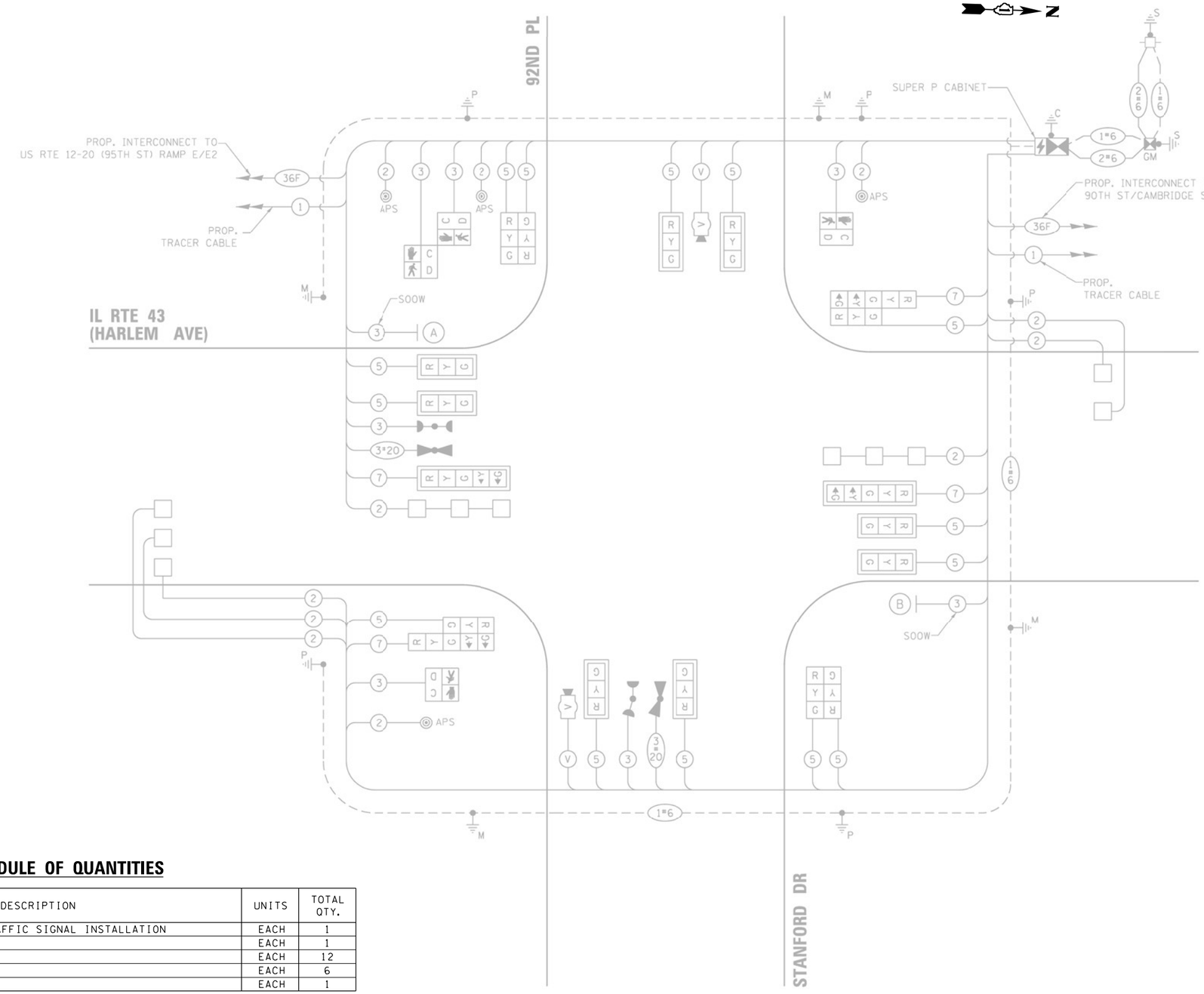
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	2	120	50	120.0
LUMINAIRE	-	240	50	-
			TOTAL =	697.2

ENERGY COSTS TO:

VILLAGE OF BRIDGEVIEW
7500 S OKETO AVENUE
BIDGEVIEW, ILLINOIS 60455

ENERGY SUPPLY: CONTACT: JIM ORELUK
PHONE: (815) 724-5028
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
CENTRACS LICENSE EXPANSION	EACH	1

TS 2335
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

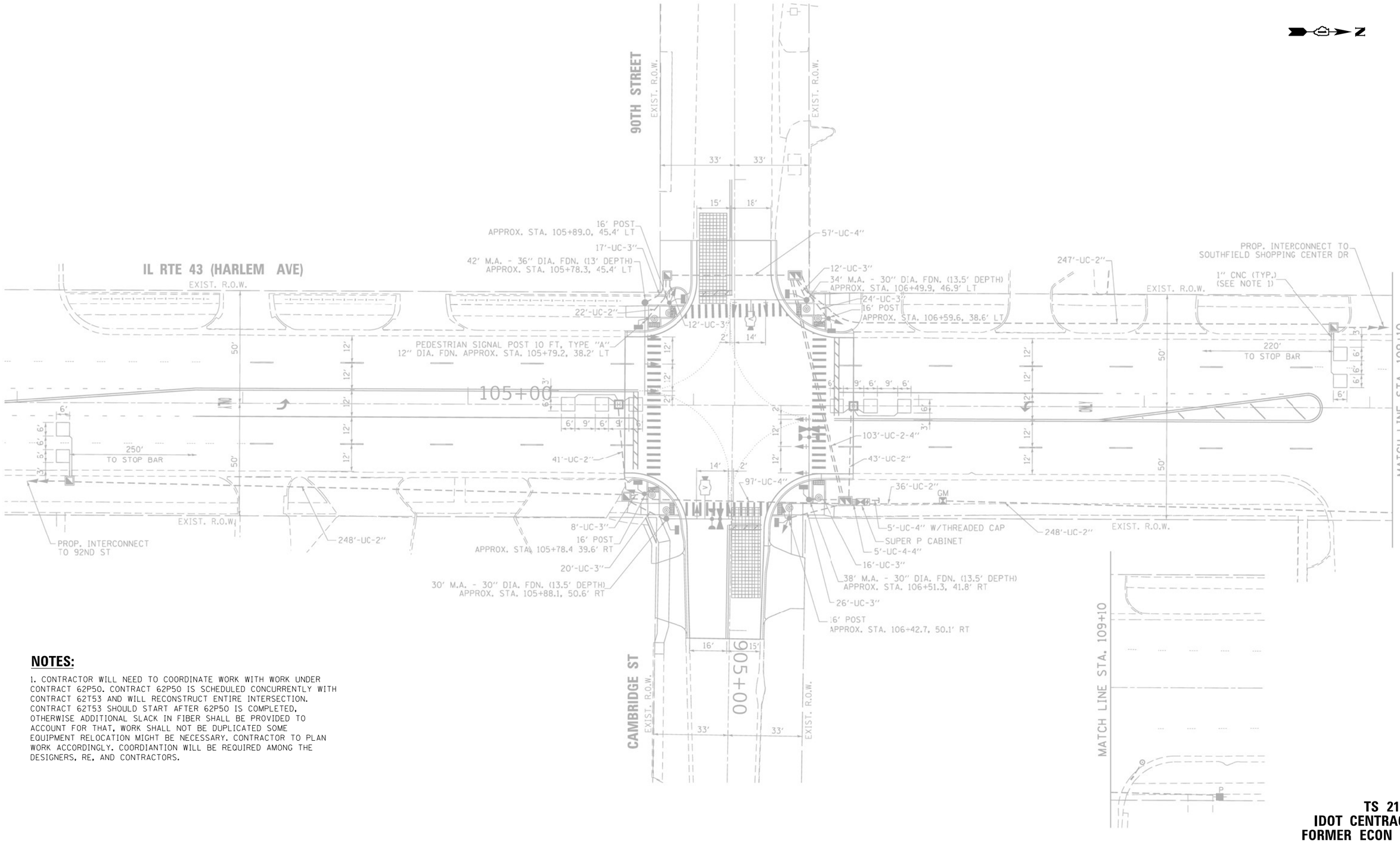
LOCATION #69
IL RTE 43 (HARLEM AVE) AT 92ND PL/STANFORD DR CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	247
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\242_IL Rte 43 at 92ND PL-STANFORD DR_CD.dgn

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P50. CONTRACT 62P50 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P50 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

TS 2195
IDOT CENTRACS
FORMER ECON 61

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\243_IL Rte 43 at 90TH ST-CAMBRIDGE ST_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

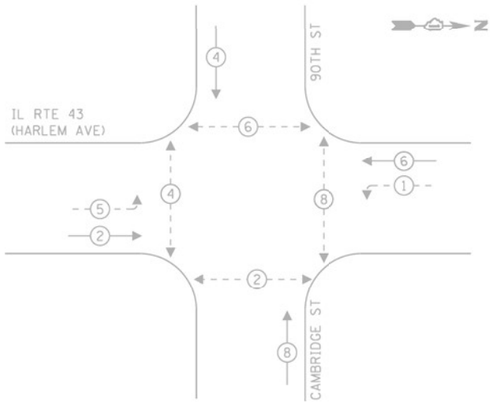
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #70
IL RTE 43 (HARLEM AVE) AT 90TH ST/CAMBRIDGE ST INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	248
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

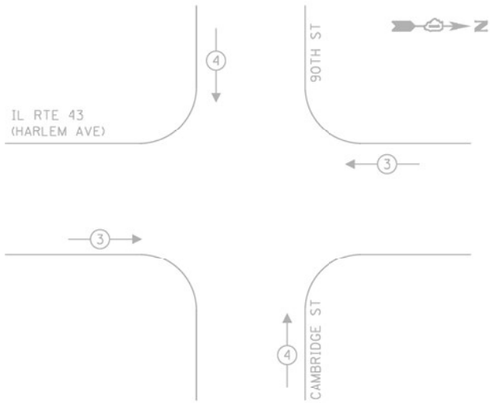
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



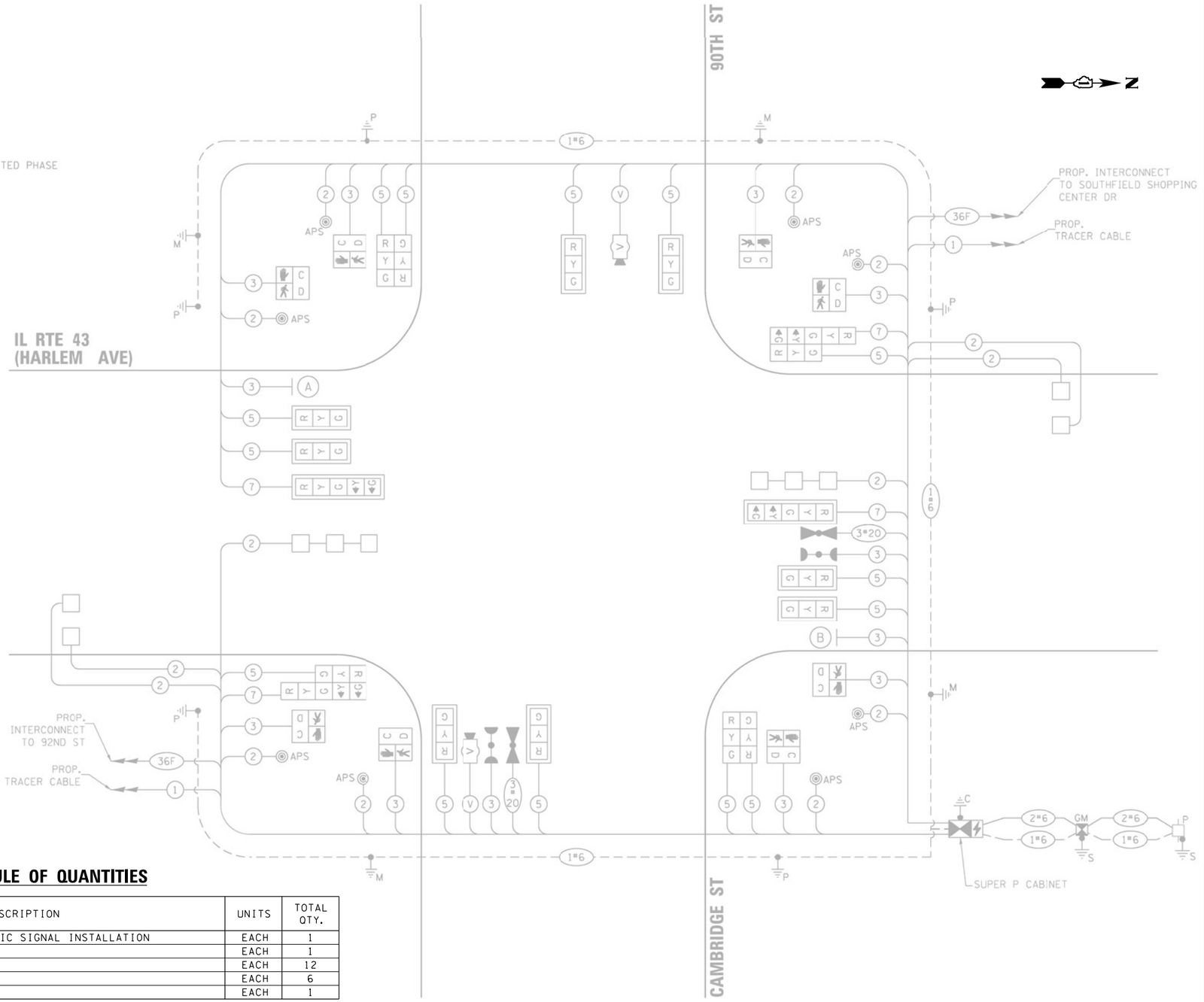
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	2	120	50	120.0
LUMINAIRE	-	240	50	-
			TOTAL =	777.2

ENERGY COSTS TO:

VILLAGE OF BRIDGEVIEW
7500 S OKETO AVENUE
BRIDGEVIEW, IL 60455

ENERGY SUPPLY: CONTACT: CATHY BABICA
PHONE: (630) 985-4074
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 17390-11030



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
Ssplice FIBER IN CABINET	EACH	6
CENTRACS LICENSE EXPANSION	EACH	1

CABLE PLAN
(NOT TO SCALE)

TS 2195
IDOT CENTRACS
FORMER ECON 61

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\244_IL Rte 43 at 90TH ST-CAMBRIDGE ST_CD.dgn

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

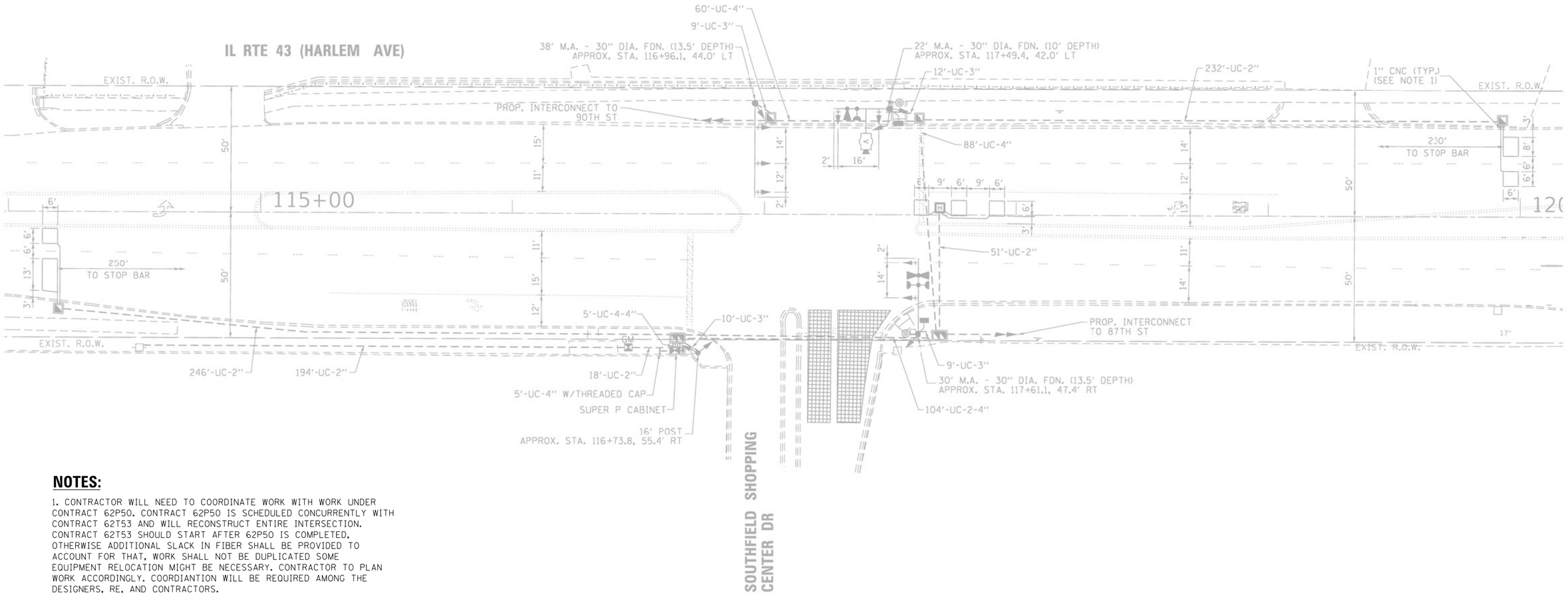
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #70
IL RTE 43 (HARLEM AVE) AT 90TH ST/CABRIDGE ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	249
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		



NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P50. CONTRACT 62P50 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P50 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2190
IDOT CENTRACS
FORMER ECON 61

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-5101-Centracs Phase 3\CADD_Sheets\245_IL Rte 43 at SOUTHFIELD SC_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

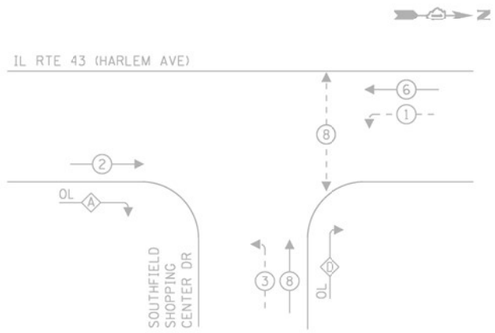
LOCATION #71
IL RTE 43 (HARLEM AVE) AT SOUTHFIELD SHOPPING CENTER DR/88TH ST INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	250
		CONTRACT NO. 62T53		

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

PROPOSED CONTROLLER SEQUENCE

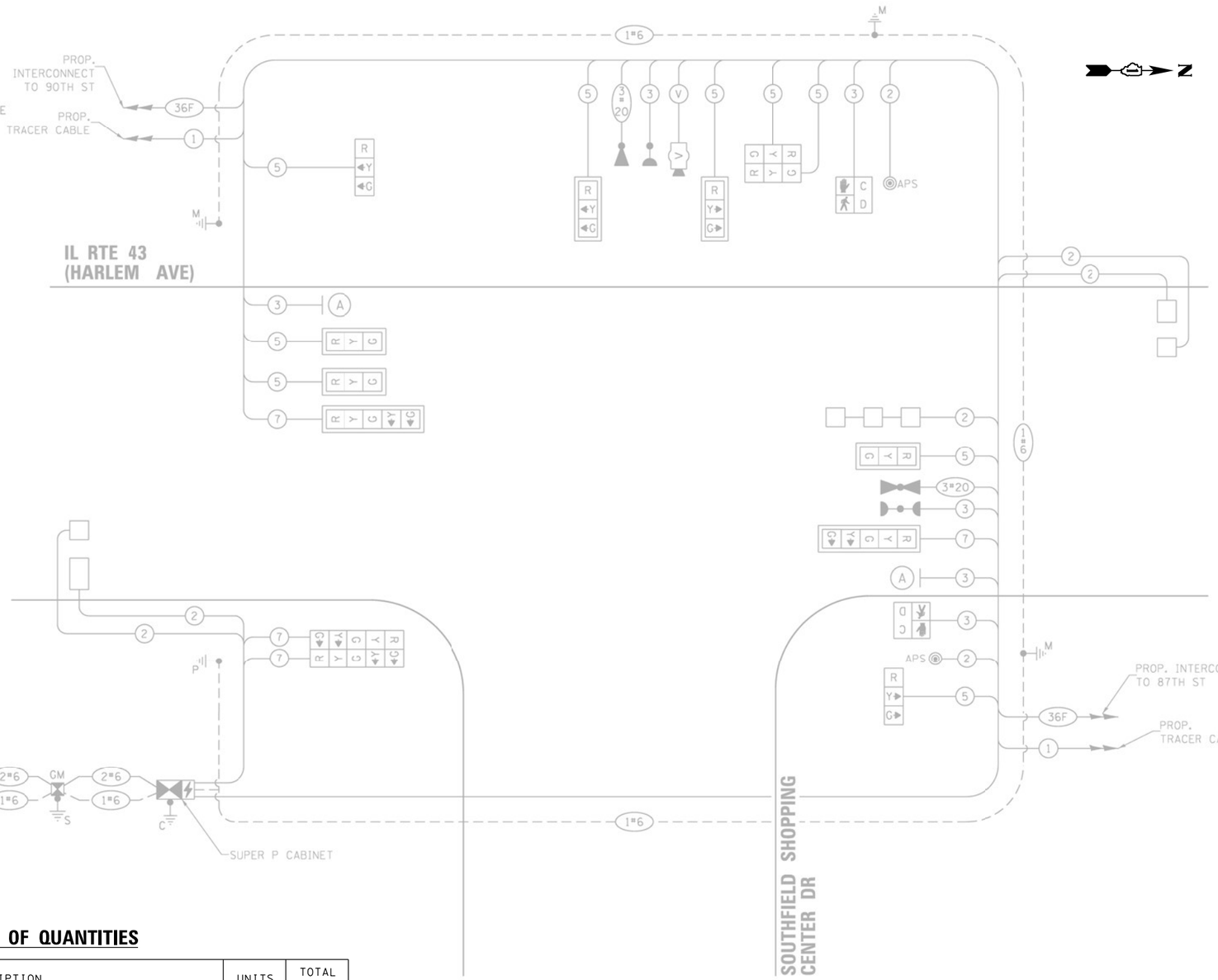


LEGEND:

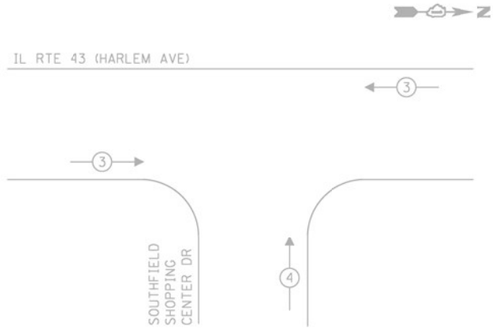
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
D	=	8	+	1



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	2	120	50	120.0
LUMINAIRE	-	240	50	-
			TOTAL =	597.7

ENERGY COSTS TO:

SOUTHFIELD SHOPPING CENTER
8715 S HARLEM AVENUE
BRIDGEVIEW, IL 60455

ENERGY SUPPLY: CONTACT: CATHY BABICA
PHONE: (630) 985-4074
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 17390-11030

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
CENTRACS LICENSE EXPANSION	EACH	1

CABLE PLAN
(NOT TO SCALE)

TS 2190
IDOT CENTRACS
FORMER ECON 61

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\246-IL Rte 43 at SOUTHFIELD SC_CD.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #71
IL RTE 43 (HARLEM AVE) AT SOUTHFIELD SHOPPING CENTER DR/88TH ST
CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	251
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TELEPHONE LINE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

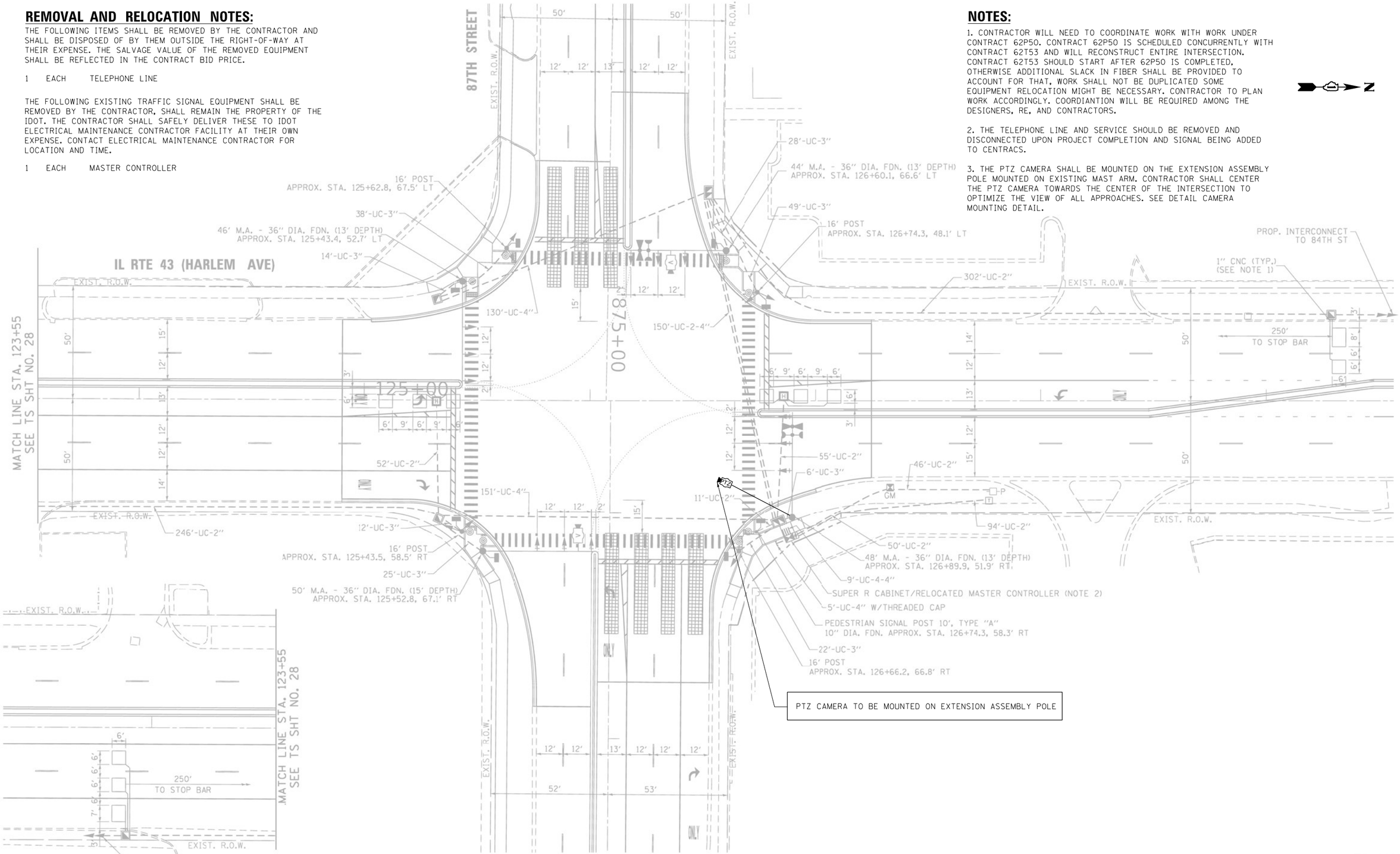
1 EACH MASTER CONTROLLER

NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P50. CONTRACT 62P50 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P50 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

2. THE TELEPHONE LINE AND SERVICE SHOULD BE REMOVED AND DISCONNECTED UPON PROJECT COMPLETION AND SIGNAL BEING ADDED TO CENTRACS.

3. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2185
IDOT CENTRACS
FORMER ECON 61

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
		DRAWN - EA, AV	REVISED -
	PLOT SCALE = 40.0000 '/ in.	CHECKED - MS	REVISED -
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

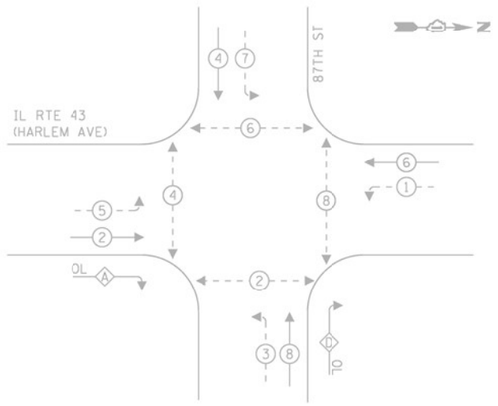
LOCATION #72
IL RTE 43 (HARLEM AVE) AT 87TH ST INTERSECTION PLAN

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

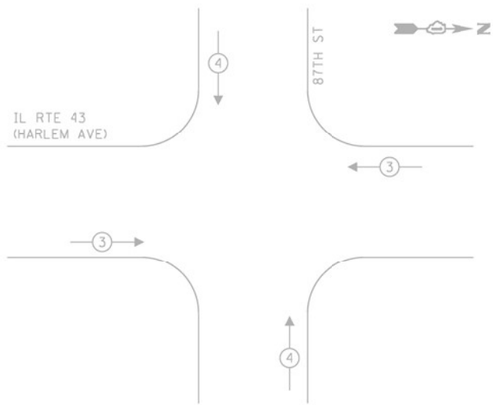
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	252
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\247_IL Rte 43 at 87TH ST_INT.dgn

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
D	=	8	+	1

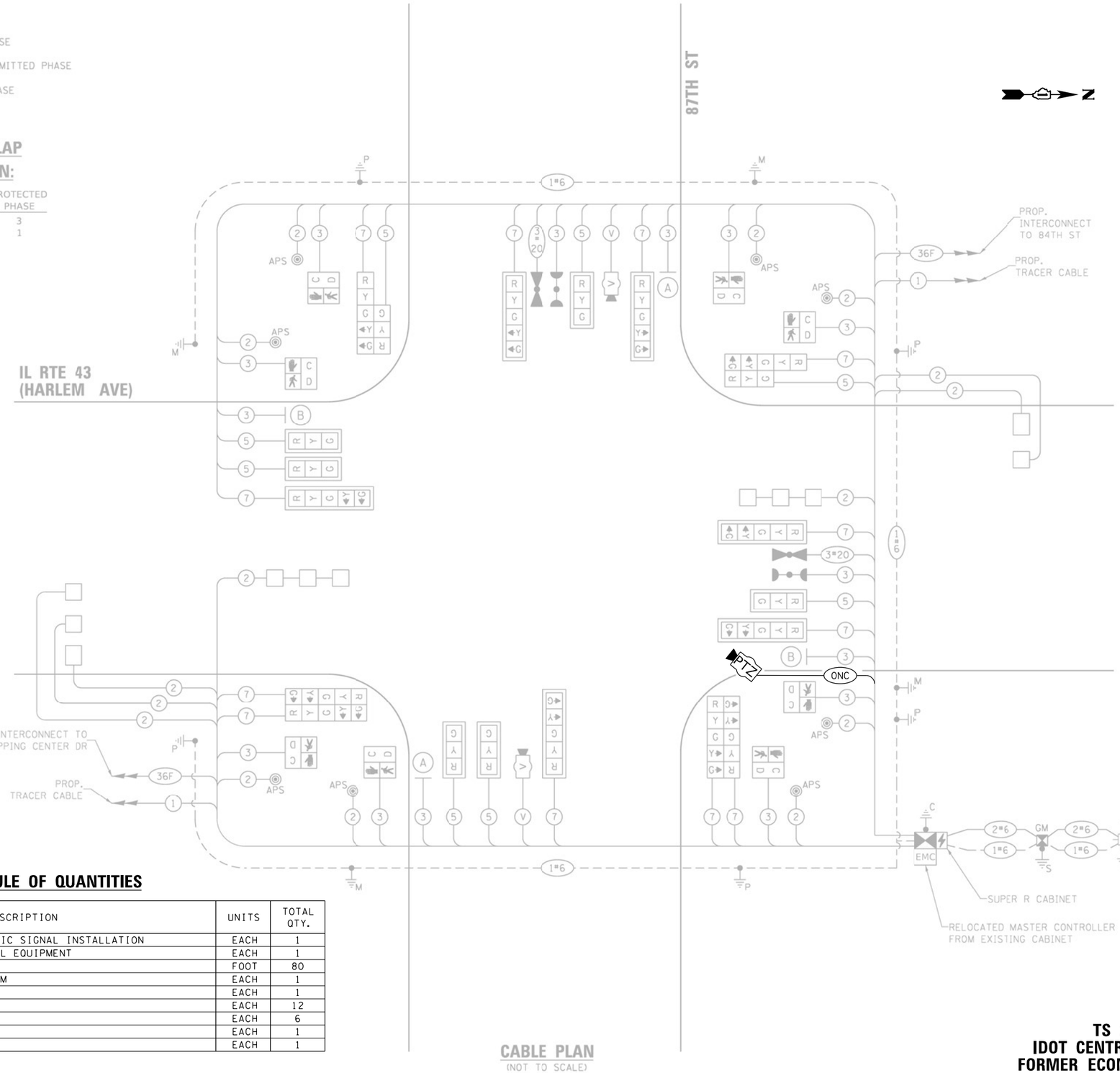
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	24	10	10	24.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	-	240	50	-
			TOTAL =	937.0

ENERGY COSTS TO:

VILLAGE OF BRIDGEVIEW
7500 S OKETO AVENUE
BRIDGEVIEW, IL 60455

ENERGY SUPPLY: CONTACT: CATHY BABICA
PHONE: (630) 985-4074
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 17390-11030



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	80
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
CAMERA MOUNTING ASSEMBLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1

TS 2185
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

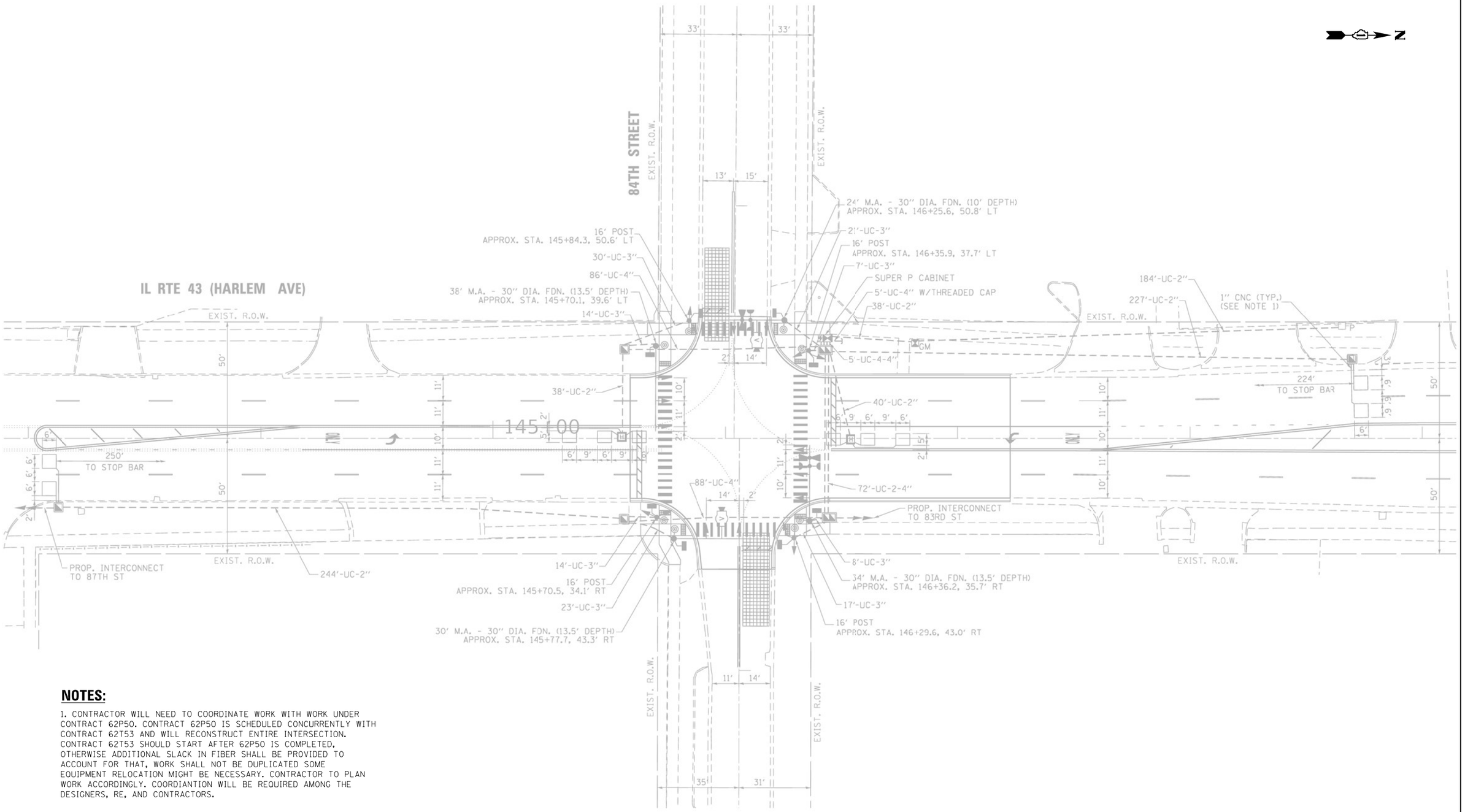
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #72
IL RTE 43 (HARLEM AVE) AT 87TH ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	253
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-518-Centracs Phase 3\CADD_Sheets\248_IL Rte 43 at 87TH ST_CD.dgn



NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P50. CONTRACT 62P50 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P50 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2340
IDOT CENTRACS
FORMER ECON 61

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\249_IL Rte 43 at 84TH ST_INT.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

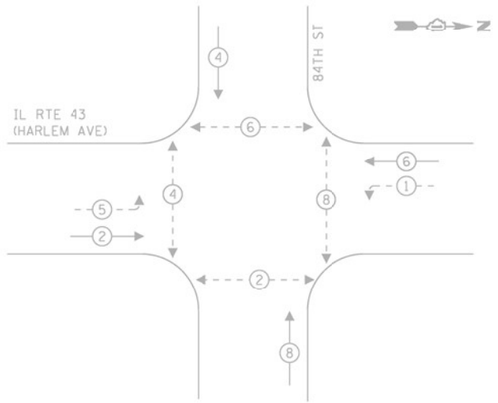
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #73
IL RTE 43 (HARLEM AVE) AT 84TH ST INTERSECTION PLAN

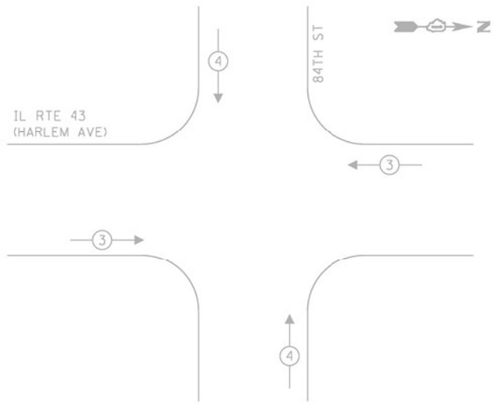
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	254
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

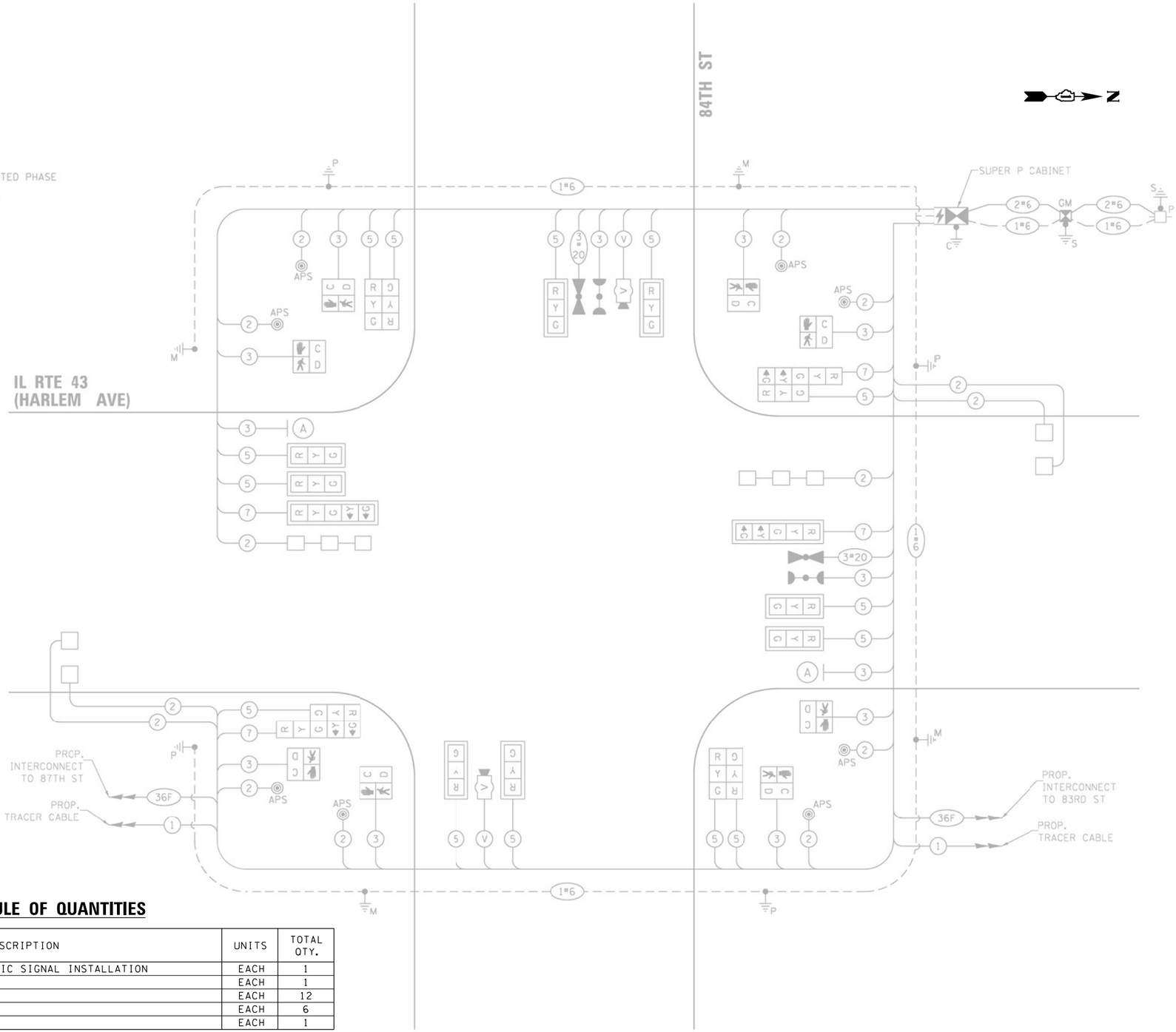
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	2	120	50	120.0
LUMINAIRE	-	240	50	-
			TOTAL =	777.2

ENERGY COSTS TO:

VILLAGE OF BRIDGEVIEW
7500 S OKETO AVENUE
BRIDGEVIEW, IL 60455

ENERGY SUPPLY: CONTACT: CATHY BABICA
PHONE: (630) 985-4074
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 17390-11030



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
Ssplice FIBER IN CABINET	EACH	6
CENTRACS LICENSE EXPANSION	EACH	1

CABLE PLAN
(NOT TO SCALE)

TS 2340
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

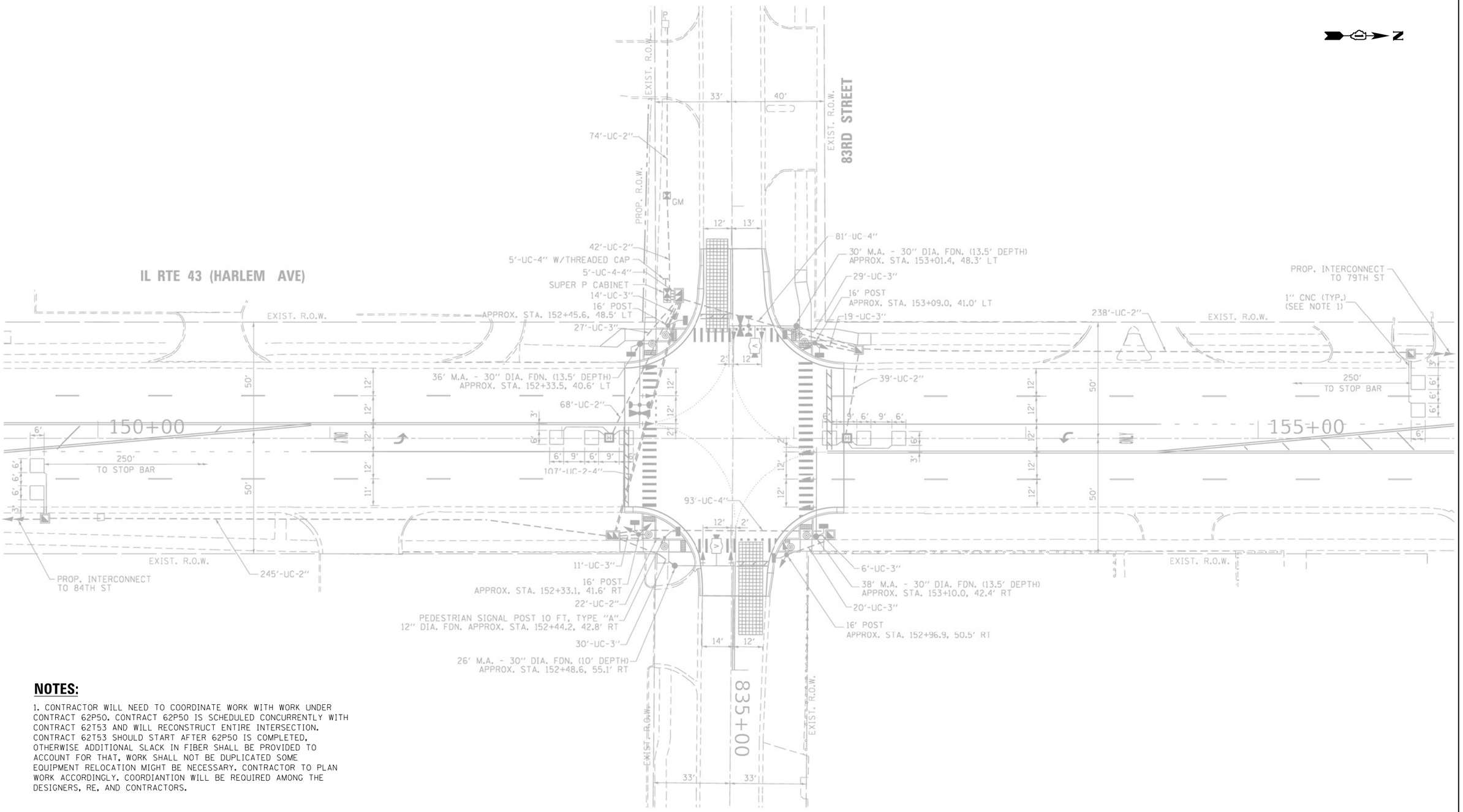
LOCATION #73
IL RTE 43 (HARLEM AVE) AT 84TH ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	255
		CONTRACT NO. 62T53		

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

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\250_IL Rte 43 at 84TH ST_CD.dgn



NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P50. CONTRACT 62P50 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P50 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2180
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

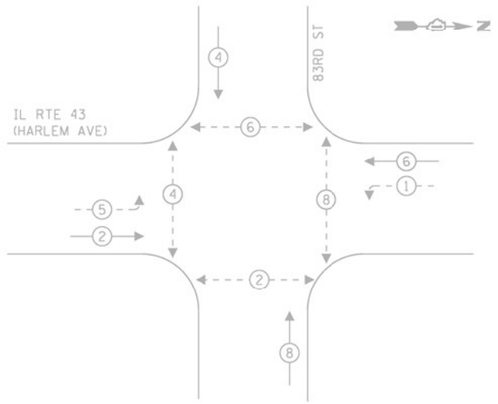
LOCATION #74
IL RTE 43 (HARLEM AVE) AT 83RD ST INTERSECTION PLAN

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

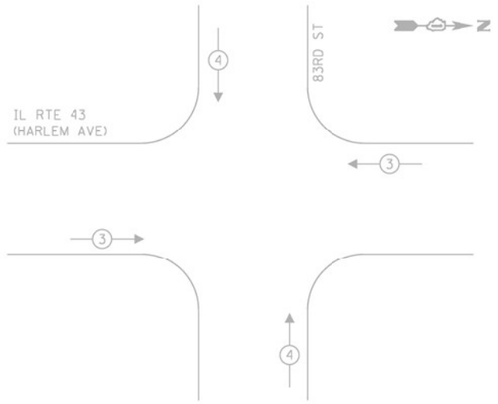
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	256
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\251_IL Rte 43 at 83RD ST_INT.dgn

PROPOSED CONTROLLER SEQUENCE

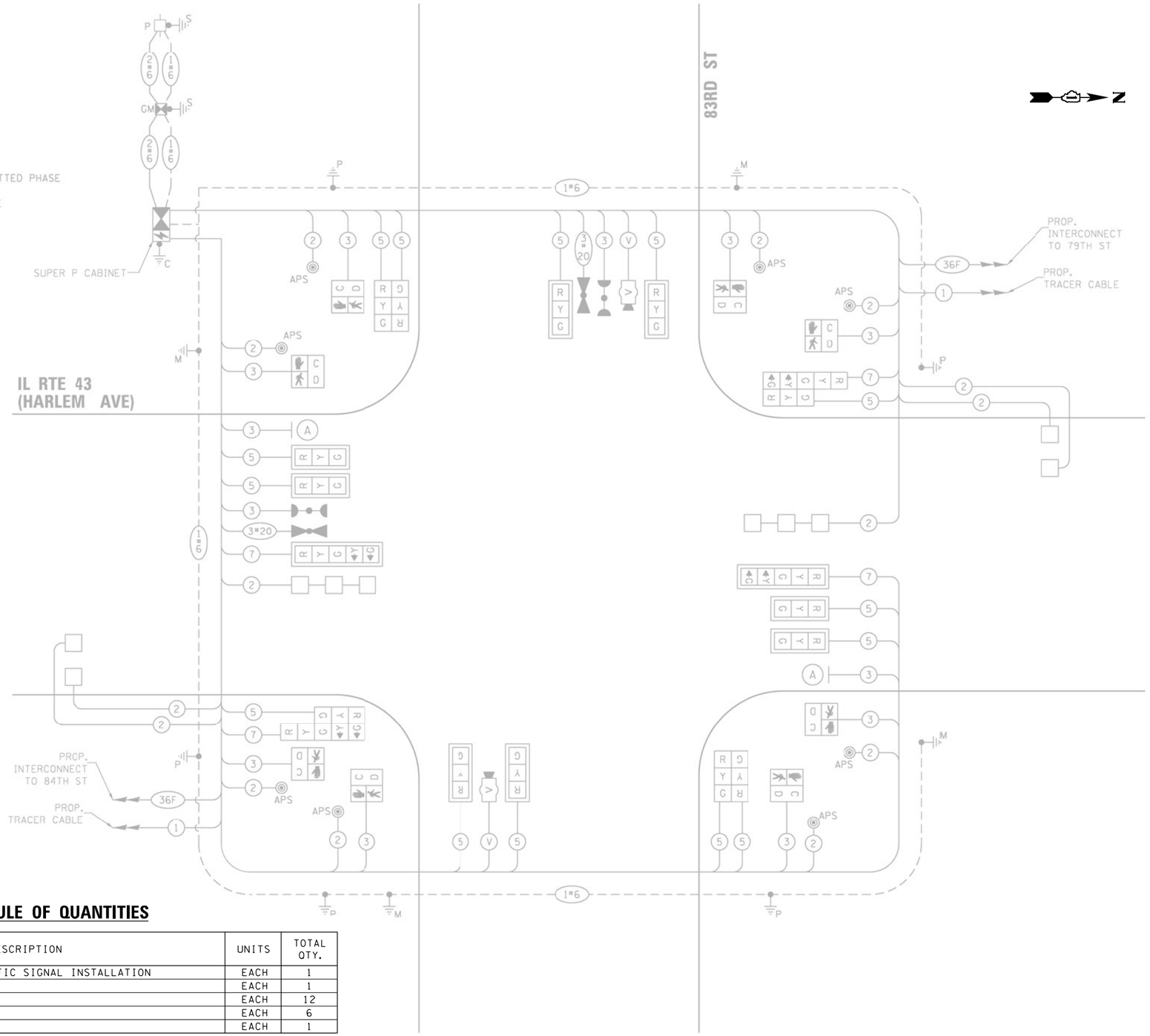


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	2	120	50	120.0
LUMINAIRE	-	240	50	-
			TOTAL =	777.2

ENERGY COSTS TO:

VILLAGE OF BRIDGEVIEW
7500 S OKETO AVENUE
BRIDGEVIEW, IL 60455

ENERGY SUPPLY: CONTACT: CATHY BABICA
PHONE: (630) 985-4074
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 17390-11030

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
CENTRACS LICENSE EXPANSION	EACH	1

CABLE PLAN
(NOT TO SCALE)

TS 2180
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #74
IL RTE 43 (HARLEM AVE) AT 83RD ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	257
		CONTRACT NO. 62T53		

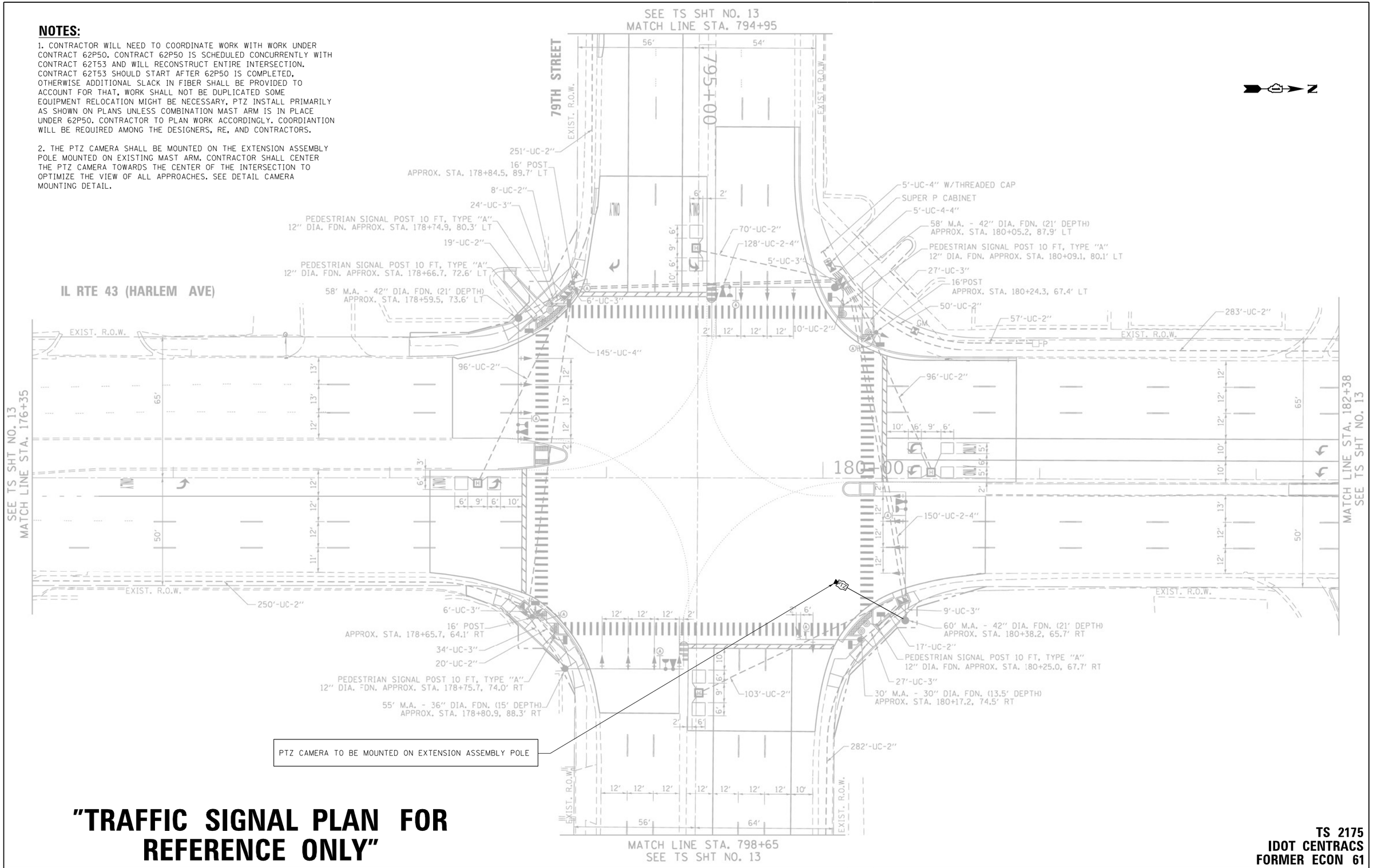
FED. ROAD DIST. NO. - | ILLINOIS | FED. AID PROJECT

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\252_IL Rte 43 at 83RD ST_CD.dgn

NOTES:

1. CONTRACTOR WILL NEED TO COORDINATE WORK WITH WORK UNDER CONTRACT 62P50. CONTRACT 62P50 IS SCHEDULED CONCURRENTLY WITH CONTRACT 62T53 AND WILL RECONSTRUCT ENTIRE INTERSECTION. CONTRACT 62T53 SHOULD START AFTER 62P50 IS COMPLETED, OTHERWISE ADDITIONAL SLACK IN FIBER SHALL BE PROVIDED TO ACCOUNT FOR THAT, WORK SHALL NOT BE DUPLICATED SOME EQUIPMENT RELOCATION MIGHT BE NECESSARY. PTZ INSTALL PRIMARILY AS SHOWN ON PLANS UNLESS COMBINATION MAST ARM IS IN PLACE UNDER 62P50. CONTRACTOR TO PLAN WORK ACCORDINGLY. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RE, AND CONTRACTORS.

2. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2175
IDOT CENTRACS
FORMER ECON 61

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -
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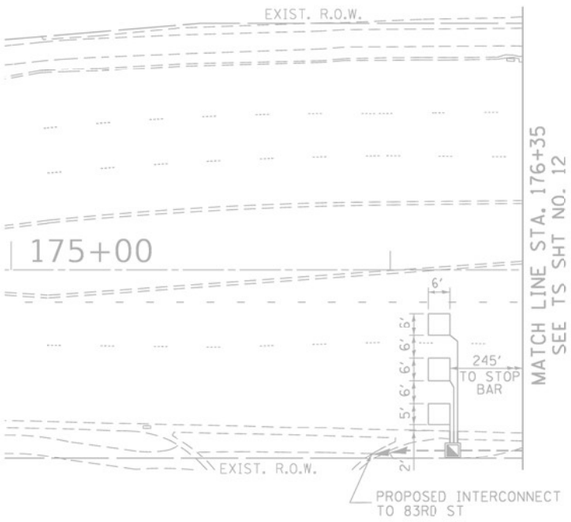
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

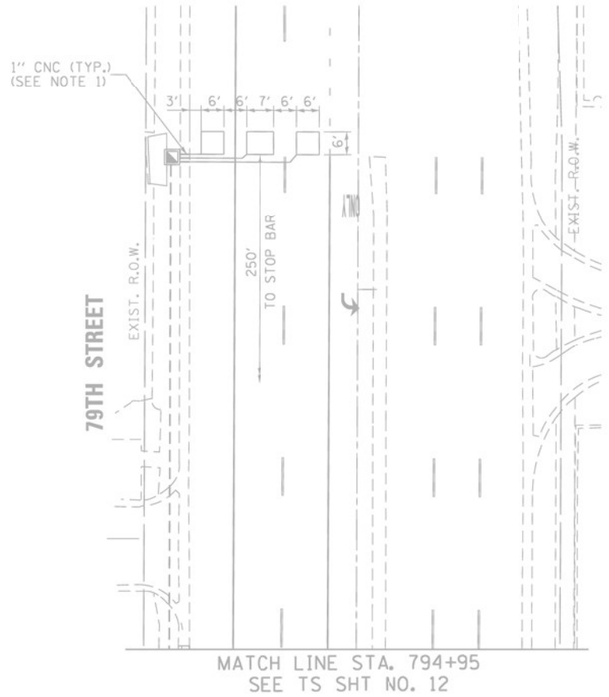
LOCATION #75
IL RTE 43 (HARLEM AVE) AT 79TH ST INTERSECTION PLAN
SHEET 1

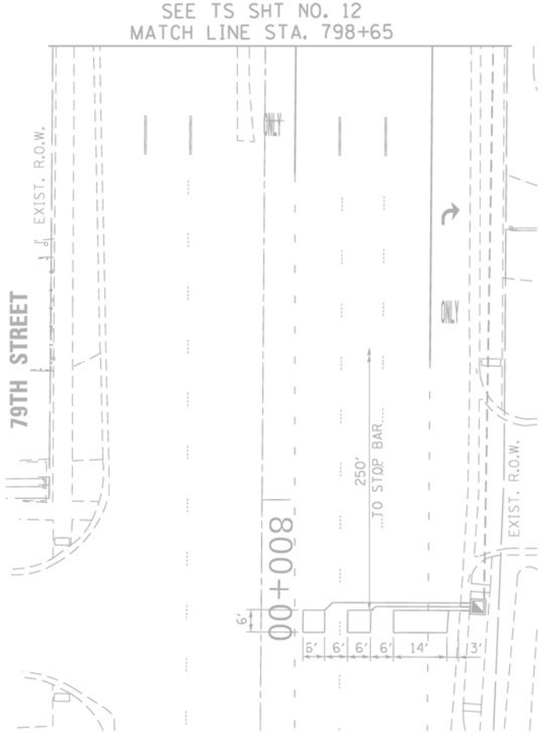
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

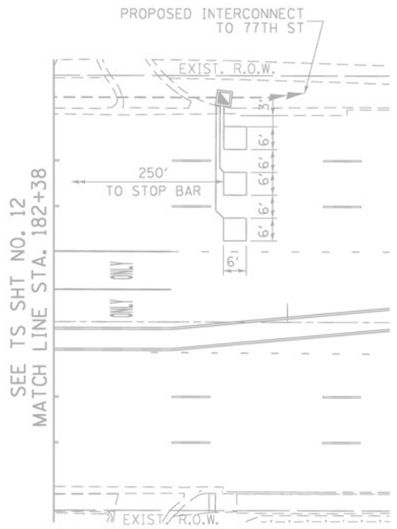
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	258
			CONTRACT NO. 62T53	
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\253_IL Rte 43 at 79TH PL_INT_1.dgn









"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2175
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

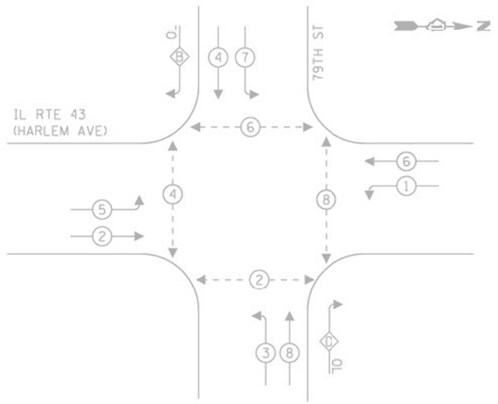
LOCATION #75
IL RTE 43 (HARLEM AVE) AT 79TH ST INTERSECTION PLAN
SHEET 2

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

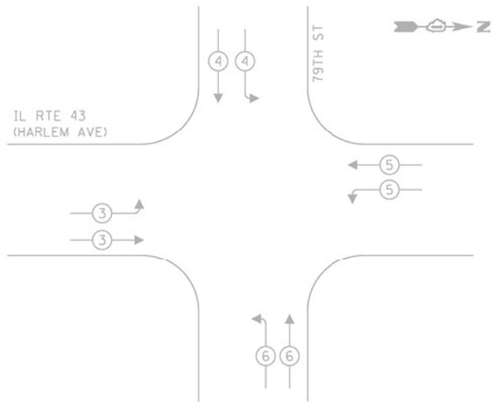
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	259
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\254_IL Rte 43 at 79TH PL_INT_2.dgn

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
D	=	8	+	1

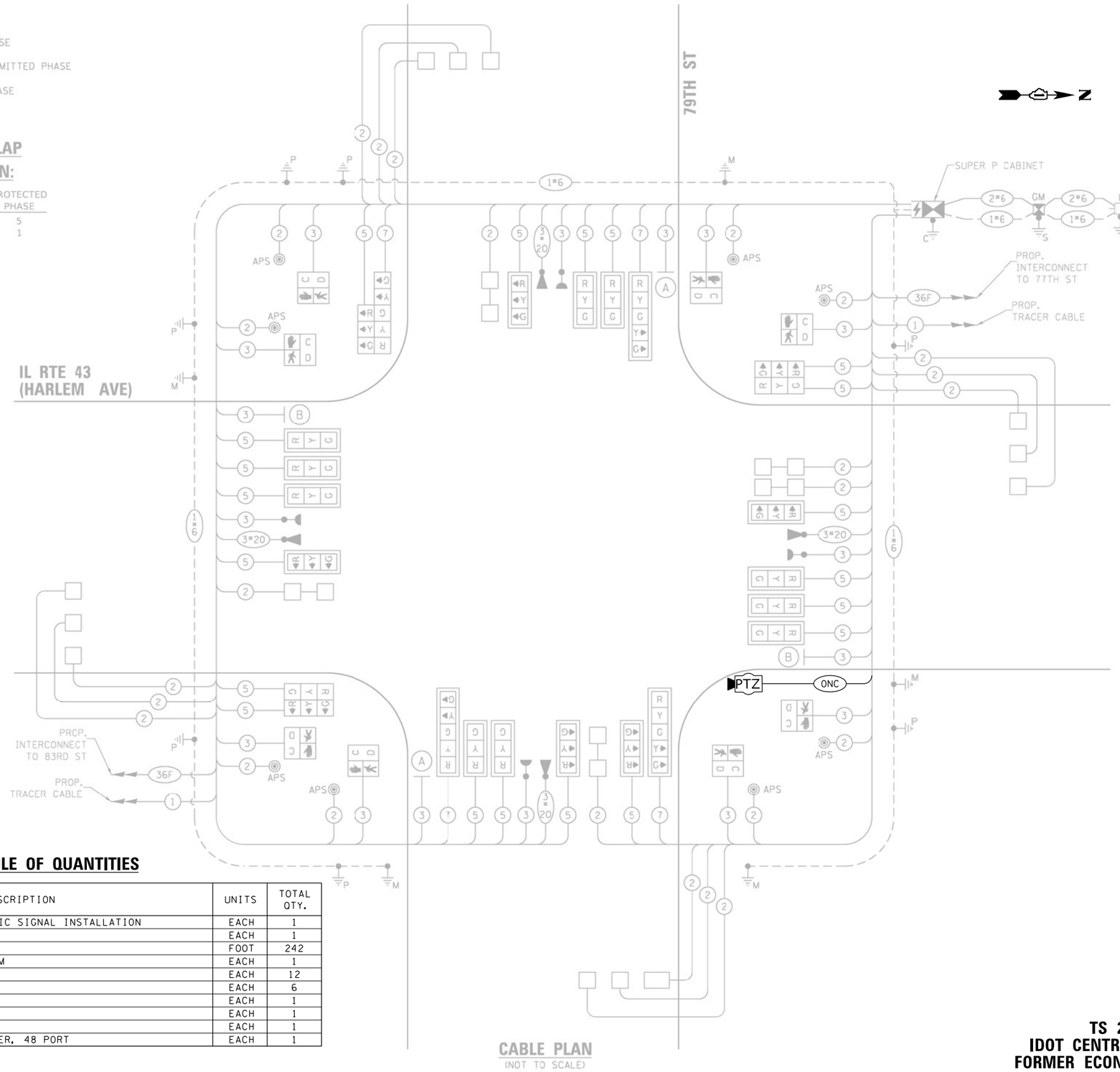
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	24	11	50	132.0
(YELLOW)	24	20	5	24.0
(GREEN)	24	12	45	129.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	-	240	50	-
			TOTAL =	818.6

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: CATHY BABICA
PHONE: (630) 985-4074
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 46630-61134



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CELLULAR MODEM	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	242
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
LAYER III (NETWORK) SWITCH	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

TS 2175
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #75
IL RTE 43 (HARLEM AVE) AT 79TH ST CABLE PLAN

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

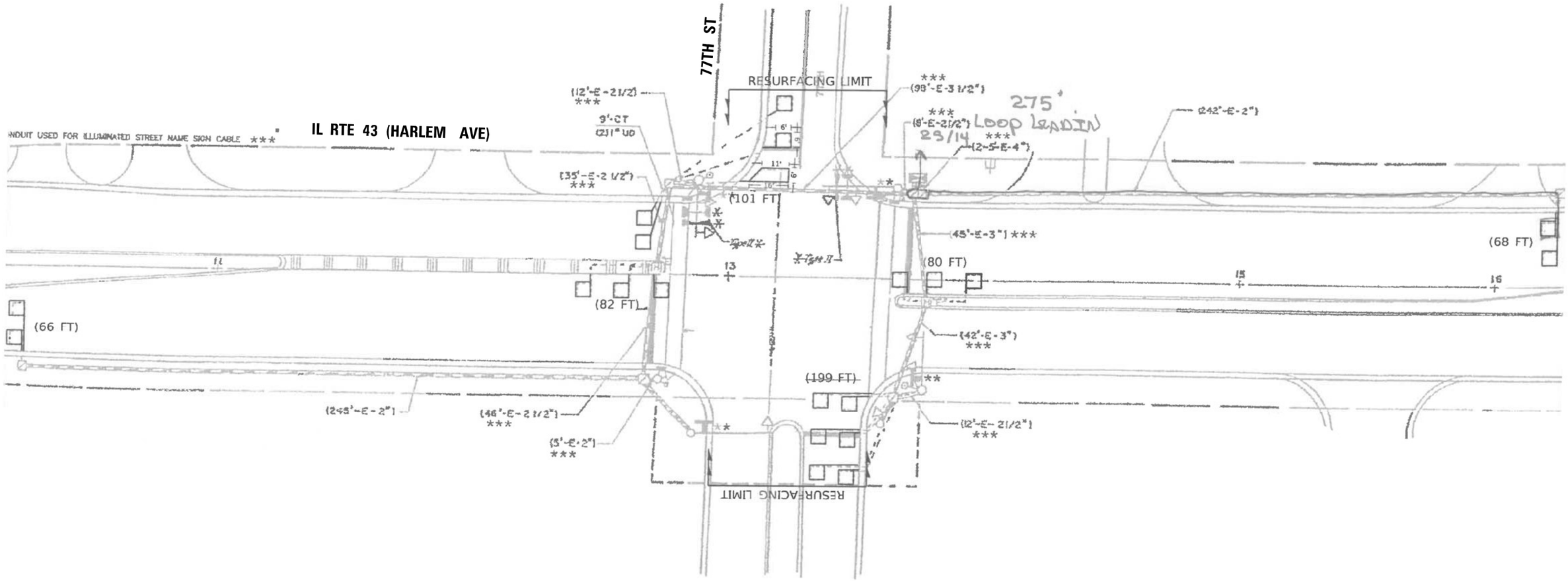
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	260
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\255_IL Rte 43 at 79TH PL_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	CONTROLLER
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

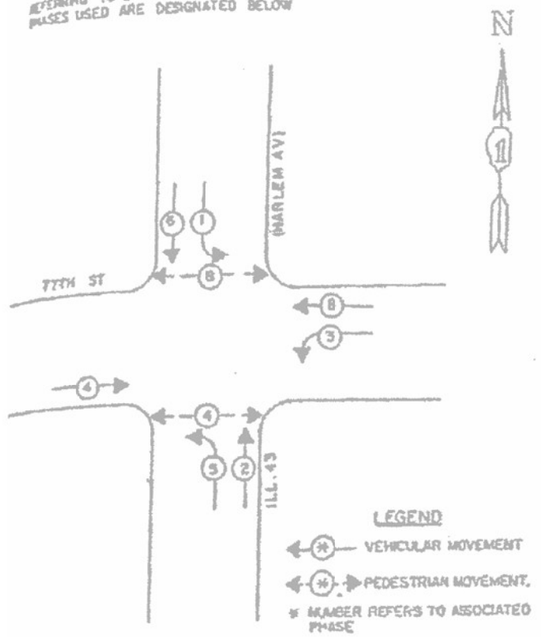
TS 2345
IDOT CENTRACS
FORMER ECON 61

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #76 IL RTE 43 (HARLEM AVE) AT 77TH ST INTERSECTION PLAN					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - EA, AV	REVISED -							VAR	2023 TRAFFIC 03	VARIOUS	300	261
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -									CONTRACT NO. 62T53		
	PLOT DATE = $DATE$	DATE - 3/23/2023	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 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\256_IL Rte 43 at 77TH ST_INT.dgn

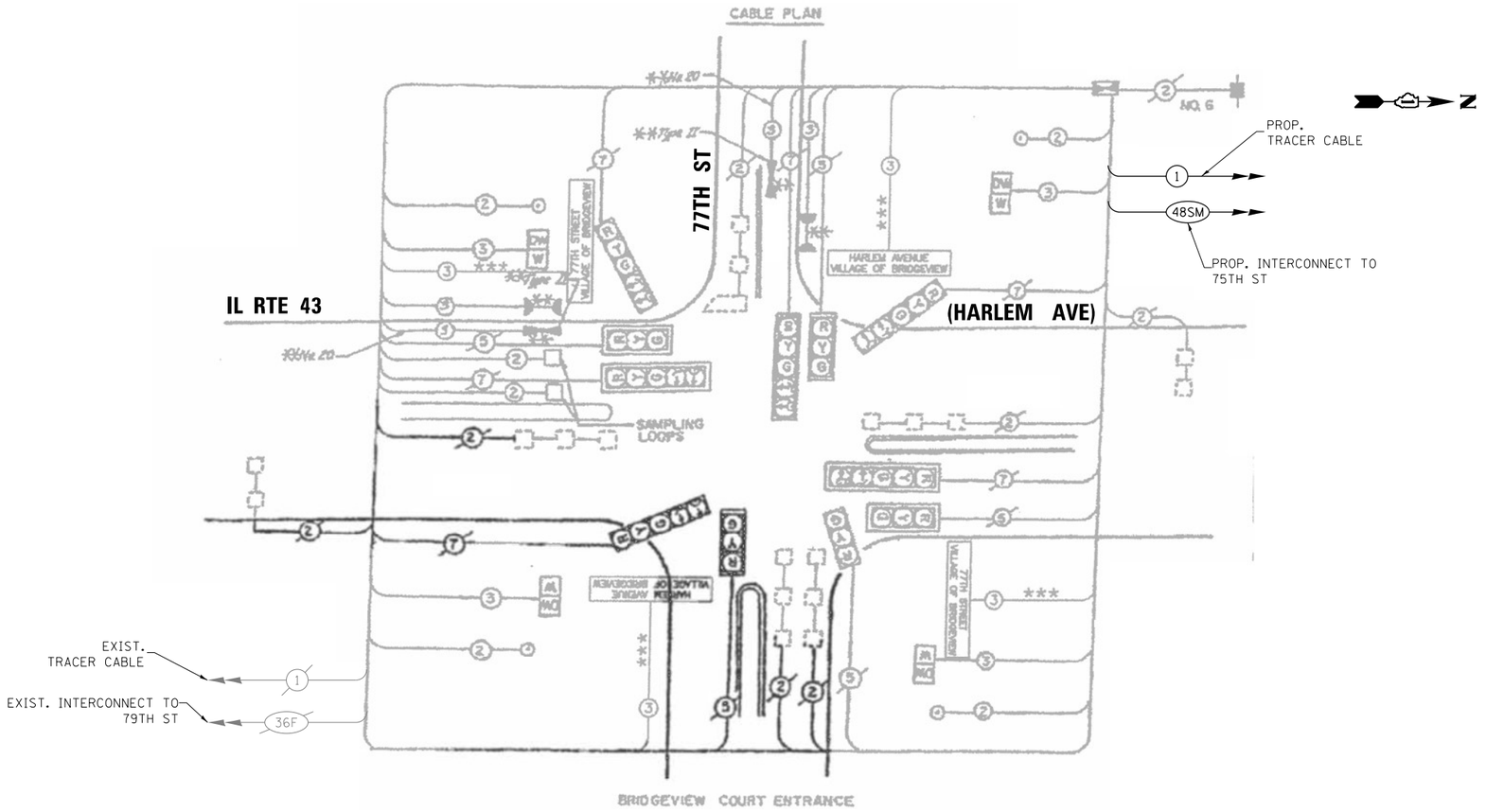
CONTROLLER SEQUENCE IV

REFERRING TO STANDARD 857934, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW



PHASE DESIGNATION DIAGRAM

CABLE PLAN



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

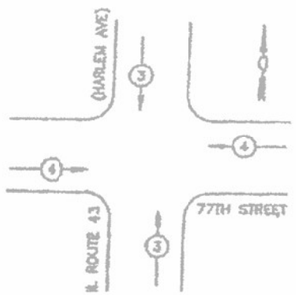
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11	11	50	60.5
(YELLOW)	11	20	5	11.0
(GREEN)	11	12	45	59.4
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	-	240	50	-
			TOTAL =	587.9

ENERGY COSTS TO:

VILLAGE OF BRIDGEVIEW
7500 S OKETO AVENUE
BRIDGEVIEW, IL 60455

ENERGY SUPPLY: CONTACT: CATHY BABICA
PHONE: (630) 985-4074
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 25441-69040

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	24
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1

TS 2345
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED - 5/12/2023
	DRAWN - EA, AV	REVISED -
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PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #76
IL RTE 43 (HARLEM AVE) AT 77TH ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	262
		CONTRACT NO. 62T53		

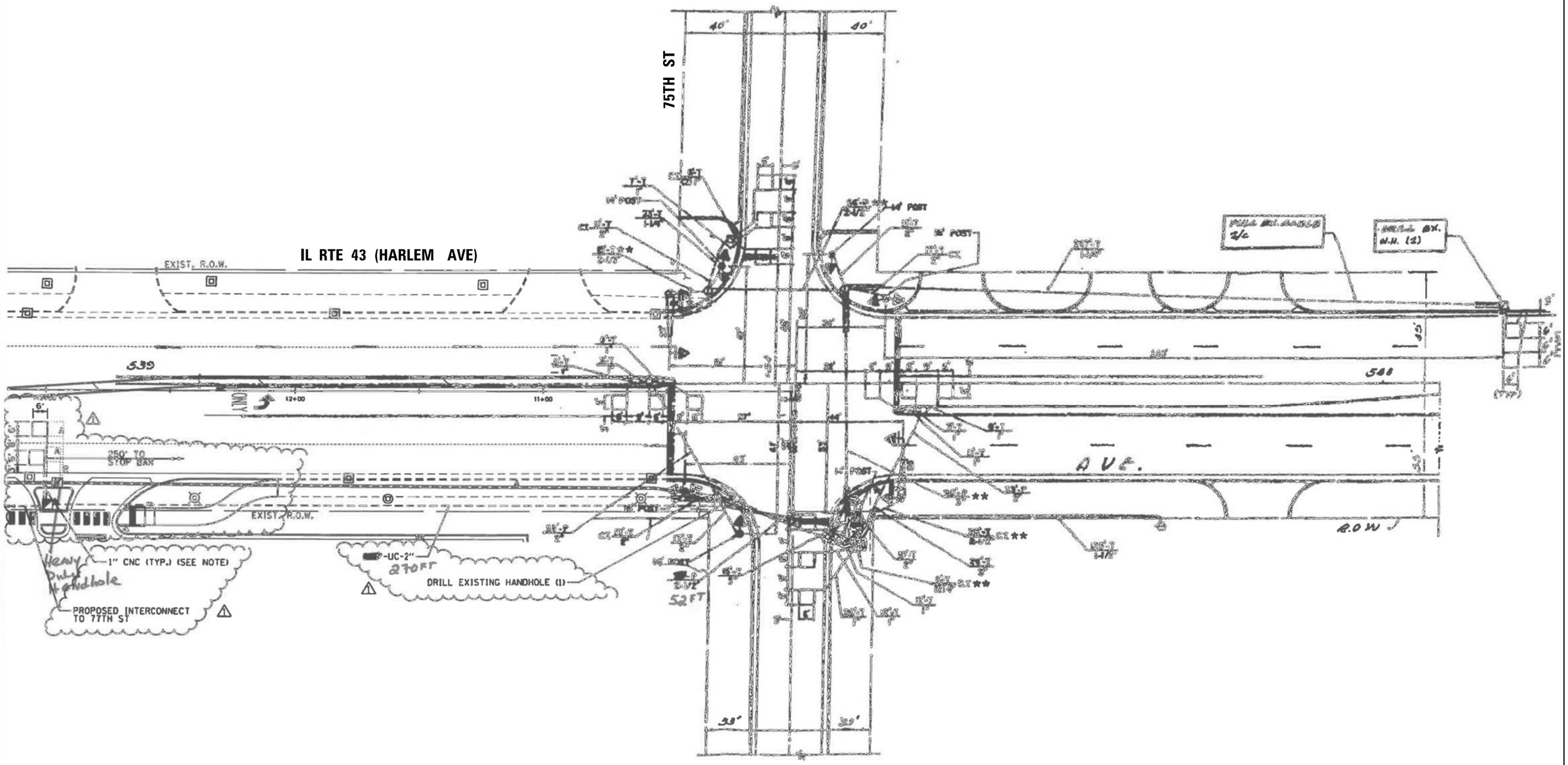
FED. ROAD DIST. NO. - | ILLINOIS | FED. AID PROJECT

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\257_IL Rte 43 at 77TH ST_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	TRANSCEIVER FIBER OPTIC
1	EACH	CONTROLLER
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2170
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
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PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #77
IL RTE 43 (HARLEM AVE) AT 75TH ST INTERSECTION PLAN

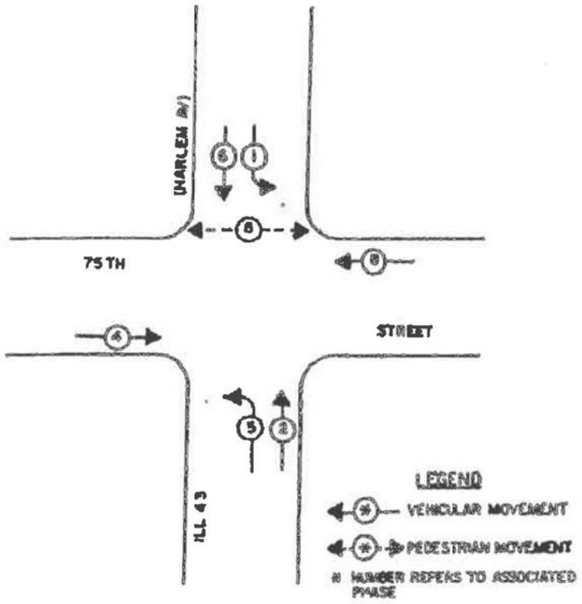
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	263
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

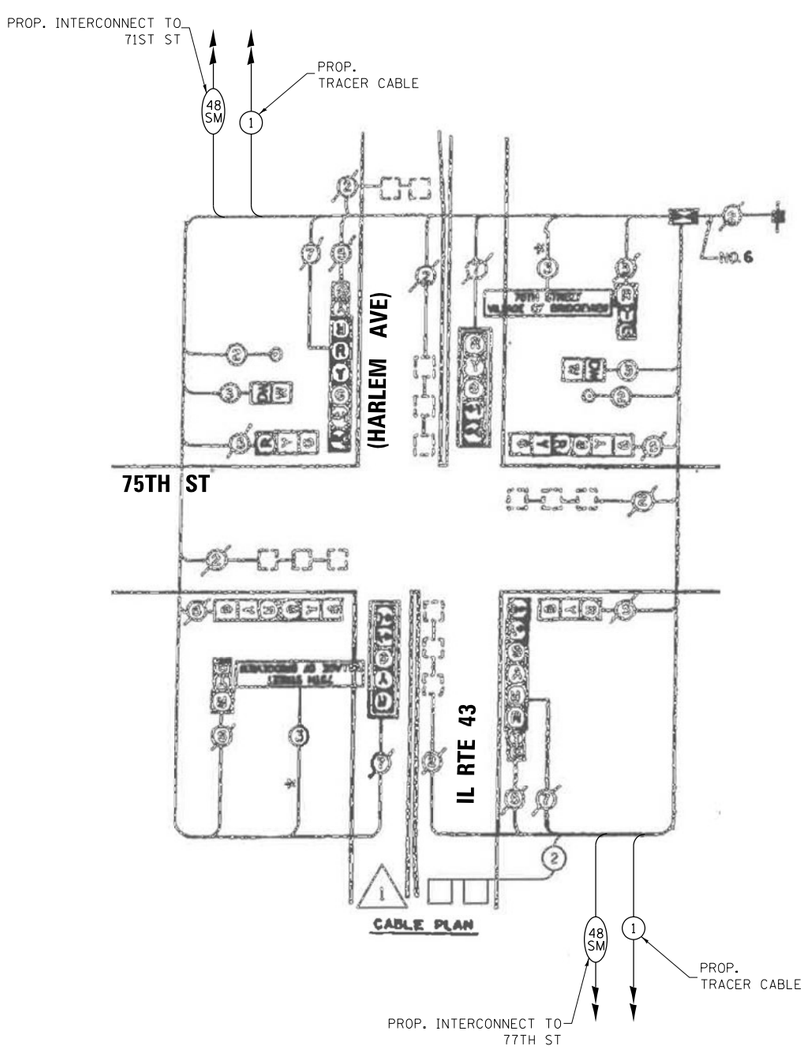
FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\258_IL Rte 43 at 75TH ST_INT.dgn

CONTROLLER SEQUENCE IX

REFERRING TO STANDARD 2393I TWE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW



PHASE DESIGNATION DIAGRAM



CABLE PLAN

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	2	120	50	120.0
LUMINAIRE	-	240	50	-
			TOTAL =	459.6

ENERGY COSTS TO:

VILLAGE OF BRIDGEVIEW
7500 S OKETO AVENUE
BRIDGEVIEW, IL 60455

ENERGY SUPPLY: CONTACT: CATHY BABICA
PHONE: (630) 985-4074
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 25441-69040

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
SPLICE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1

TS 2170
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED - 5/12/2023	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #77
IL RTE 43 (HARLEM AVE) AT 75TH ST CABLE PLAN

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

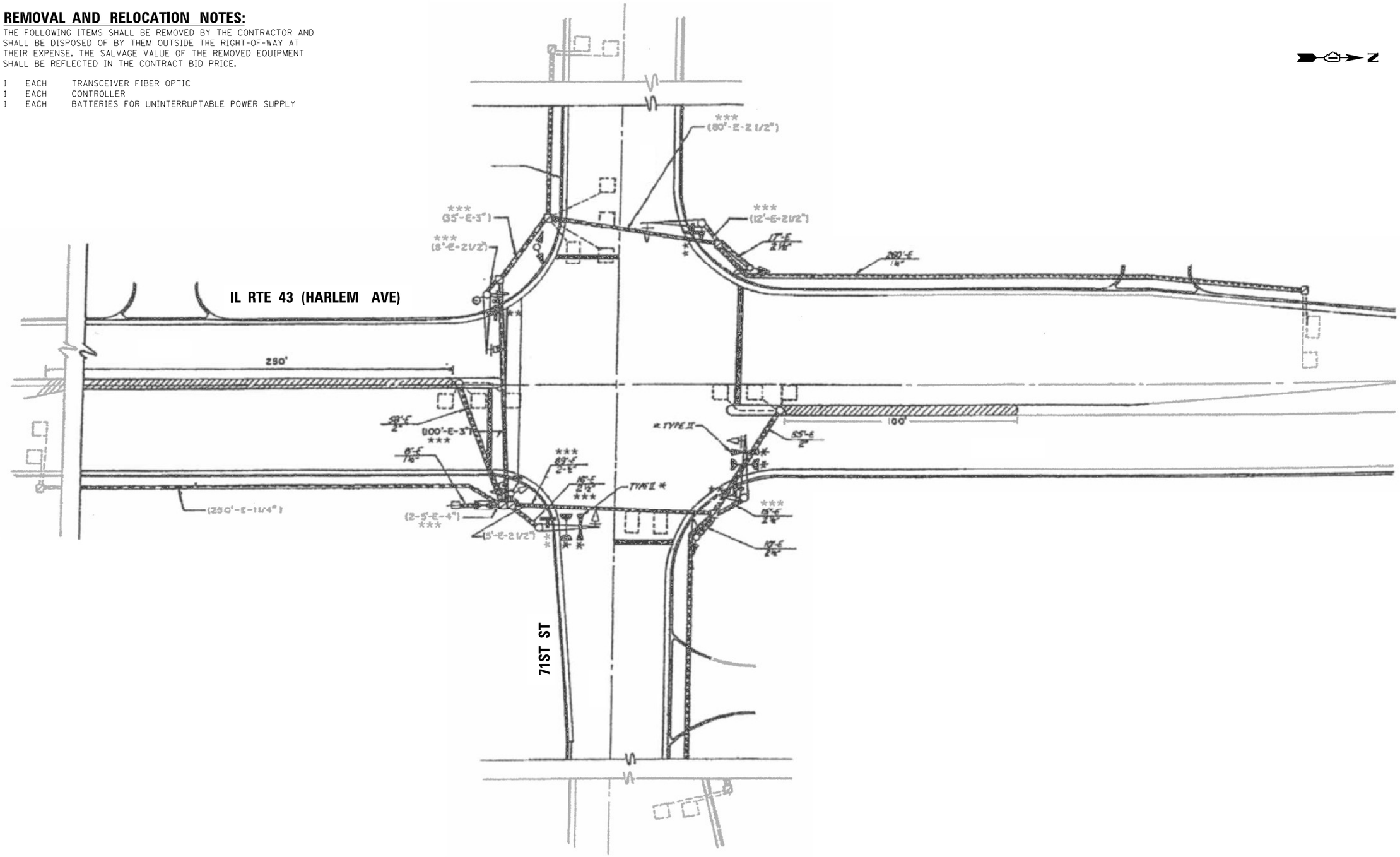
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	264
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\259_IL Rte 43 at 75TH ST_CD.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC
1 EACH CONTROLLER
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2165
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

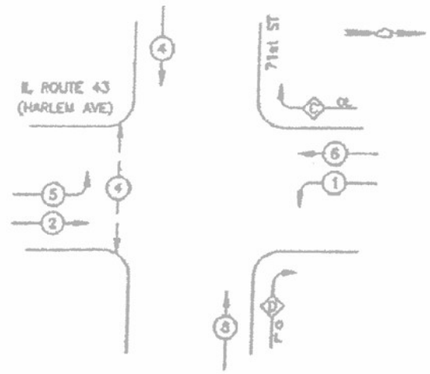
LOCATION #78
IL RTE 43 (HARLEM AVE) AT 71ST ST INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	265
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\260_IL Rte 43 at 71ST ST_INT.dgn

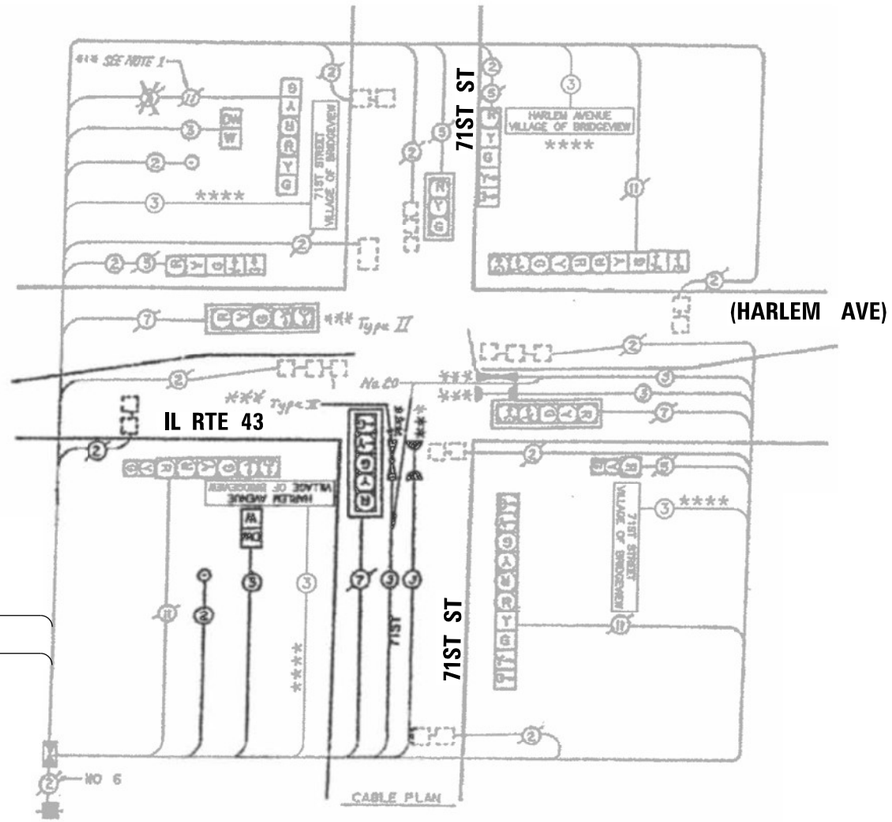
CONTROLLER SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- OL OVERLAP
- PEDESTRIAN MOVEMENT
- # NUMBER REFERS TO ASSOCIATED PHASE

EXISTING
PHASE DESIGNATION DIAGRAM



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

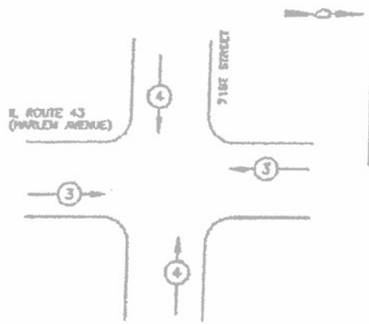
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	11	50	82.5
(YELLOW)	15	20	5	15.0
(GREEN)	15	12	45	81.0
PERMISSIVE ARROW	18	10	10	18.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	-	240	50	-
			TOTAL =	601.5

ENERGY COSTS TO:

VILLAGE OF BRIDGEVIEW
7500 S OKETO AVENUE
BRIDGEVIEW, IL 60455

ENERGY SUPPLY: CONTACT: CATHY BABICA
PHONE: (630) 985-4074
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 17390-11030

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	⇄	⇅

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1

TS 2165
IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED - 5/12/2023	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #78
IL RTE 43 (HARLEM AVE) AT 71ST ST CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	266
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\26i.IL Rte 43 at 71ST ST_CD.dgn

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	34,537
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	29,393
*	ROD AND CLEAN EXISTING CONDUIT	FOOT	8,544
	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	34,537
**	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	2
***	TERMINAL SERVER	EACH	3

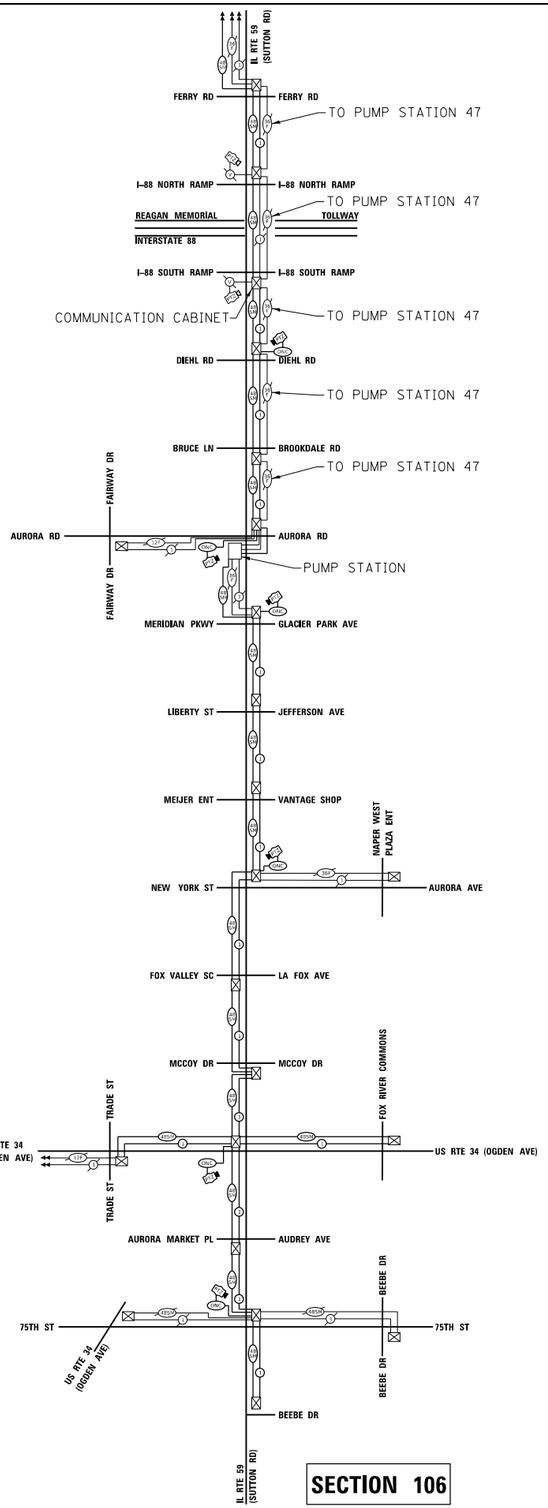
* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY ENGINEER.
** SYSTEM OPTIMIZATION SHALL CONSIST OF IDOT FORMER ECON 25 AND ECON 106. SCAT CONSULTANT SHALL ALSO IDENTIFY ANY POSSIBLE OPTIMIZATION BETWEEN EACH FORMER SYSTEM.
*** TERMINAL SERVER SHALL BE USE FOR THE INTERSECTION OF 135TH ST & KILPATRICK AVE/TOWN CENTER DR, AND AURORA AVE & NAPER WEST PLAZA ENTRANCE AND AURORA RD & FAIRWAY DR

N

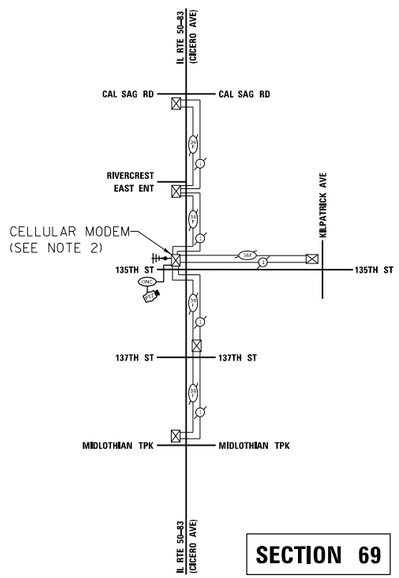
NOTES:

1. CONTRACTOR SHALL PROVIDE APPROXIMATELY 100' OF SLACK AT DOUBLE HANDHOLE NEXT TO CABINET FOR ALL THE LCOATIONS WITH 48SM FIBER CABLE.

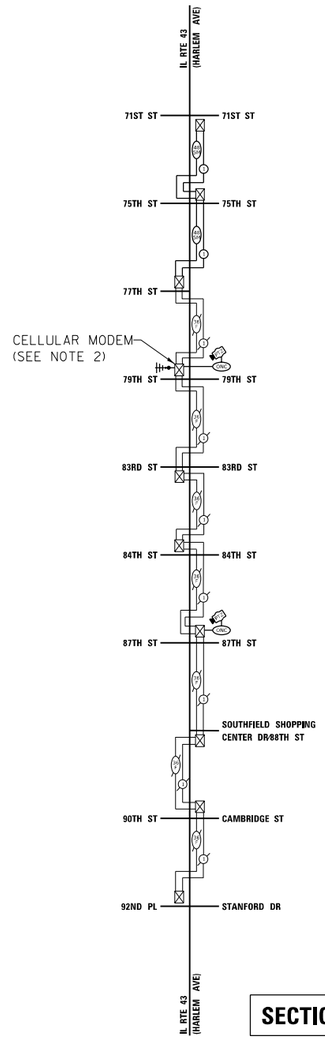
2. THE SYSTEM SHALL USE A CELLULAR MODEM IN LIEU OF A TELEPHONE LINE, SEE SPECIAL PROVISION FOR CELLULAR COMMUNICATION SYSTEM.



SECTION 106



SECTION 69



SECTION 61

IDOT CENTRACS
FORMER ECON 25, 61, 69, 106

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL./773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED - 5/12/2023
		DRAWN - EA, AV	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

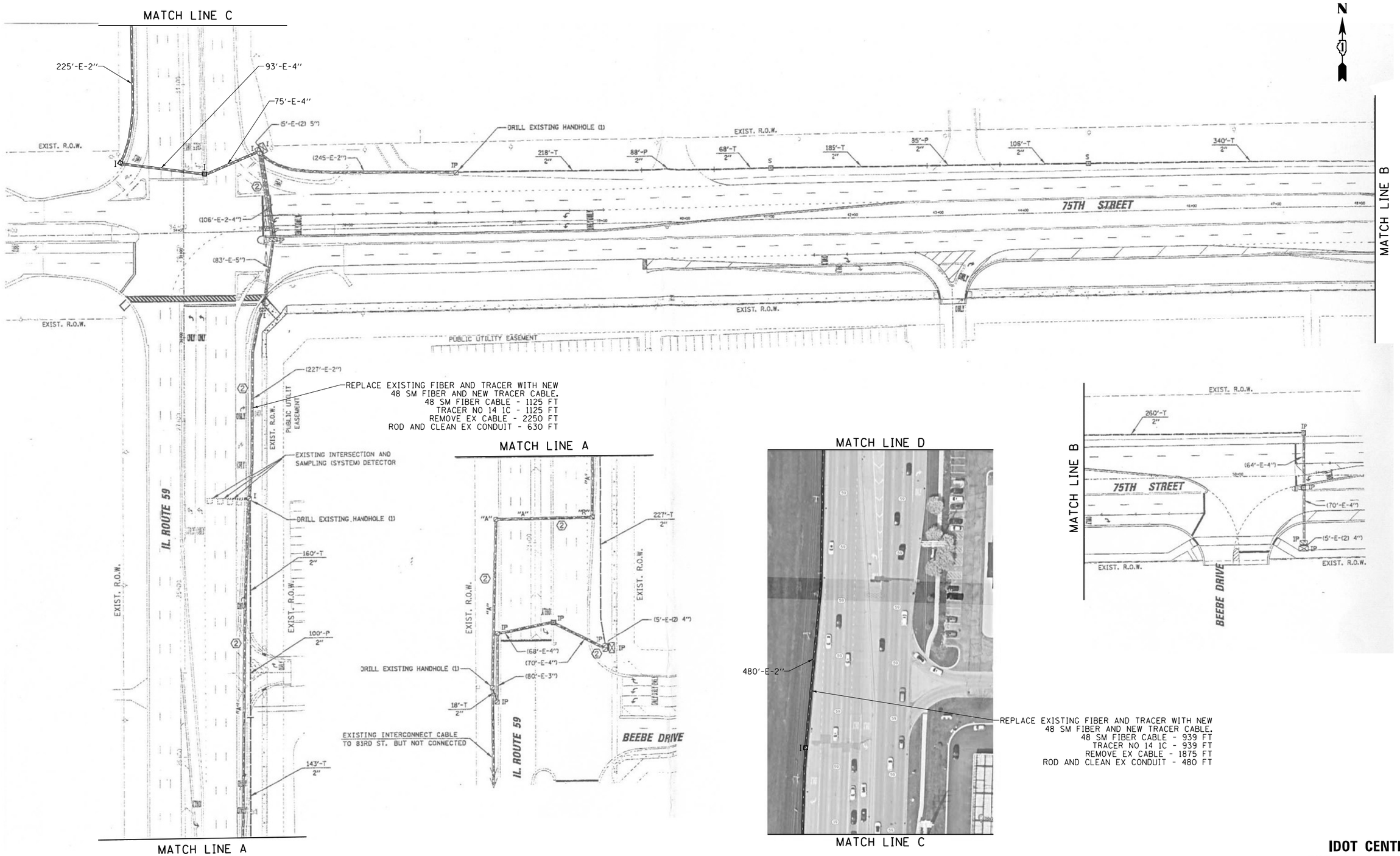
OVERALL INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITES
IDOT ZONES 25, 61, 69, 106

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	267
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\262_Schem_Interconnect.l.dgn

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



IDOT CENTRACS
FORMER ECON 106

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\263_Interconnect Plan for IL-59 South to North_1.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

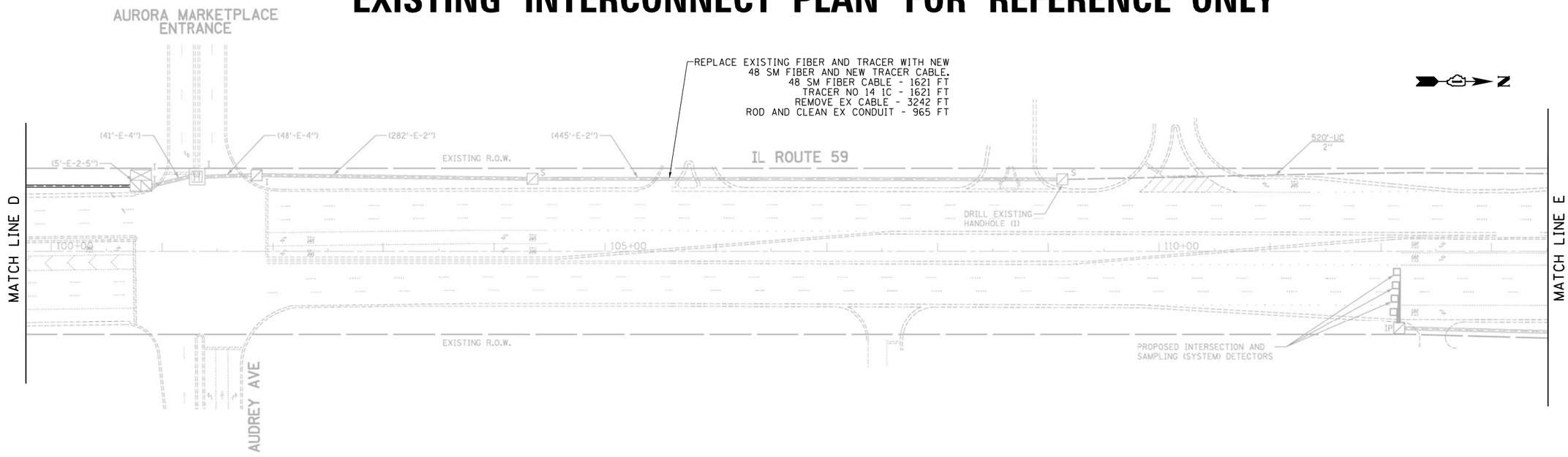
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT BEEBE DR AND 75TH ST

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	268
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



IDOT CENTRACS
FORMER ECON 106

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:(773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING INTERCONNECT PLAN IL RTE 59 AT AUDREY AVE AND US RTE 34 (OGDEN AVE) AND MCCOY DR	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - EA, AV	REVISED -			VAR.	2023 TRAFFIC 03	VARIOUS	300	269
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -						CONTRACT NO. 62T53	
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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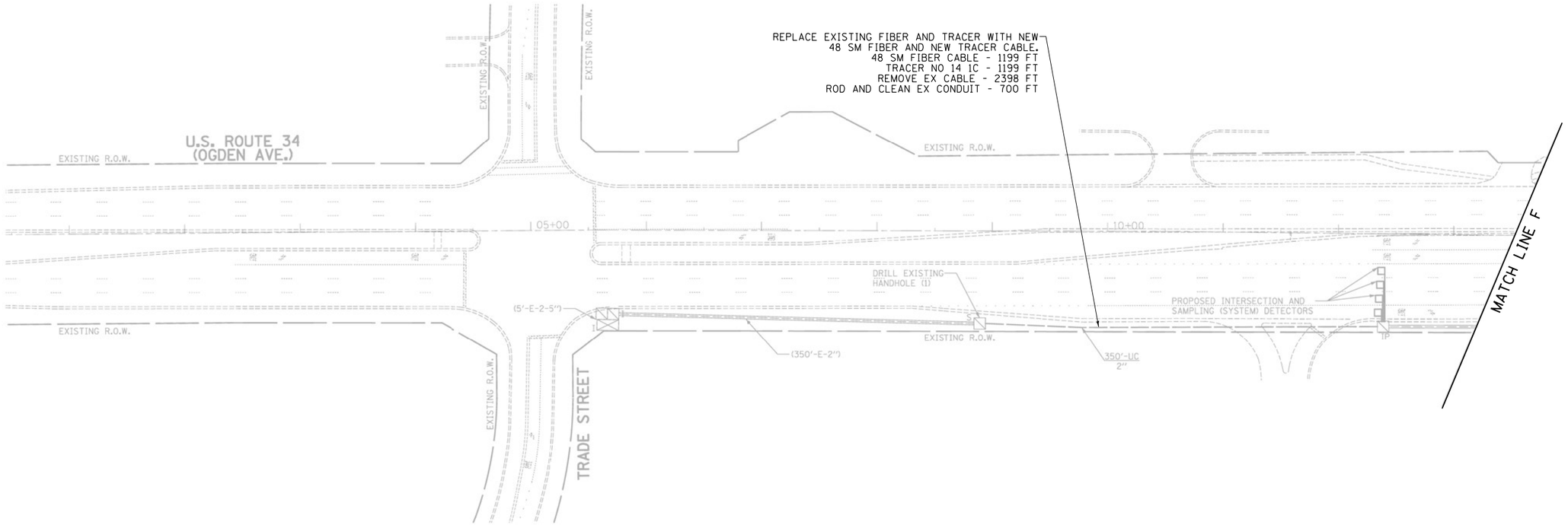
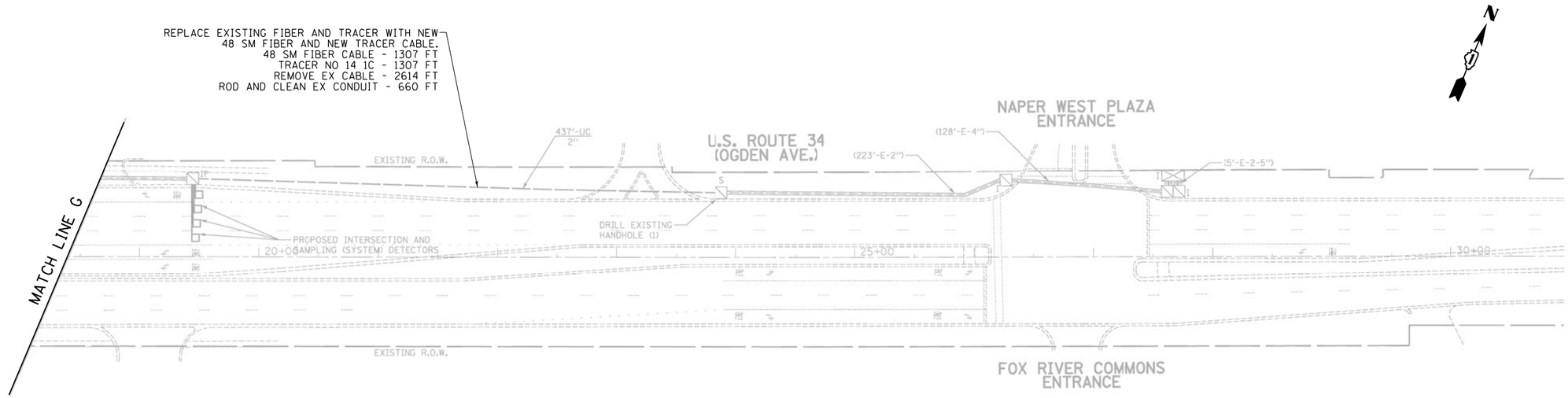




"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 106

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\265_Interconnect Plan for IL-59 South to North_3.dgn

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

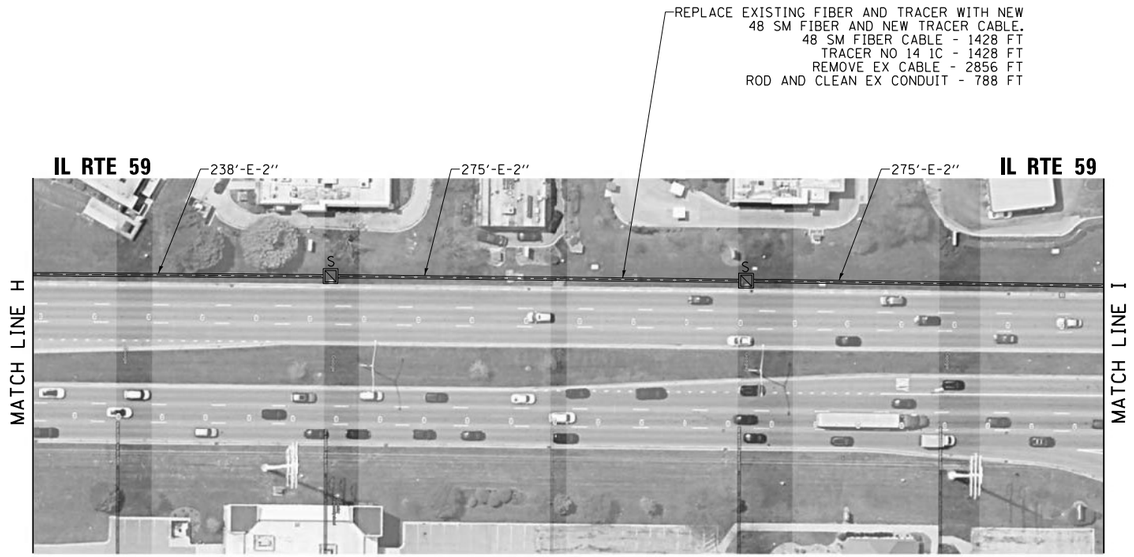
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
US RTE 34 (OGDEN AVE) AT TRADE ST AND FOX RIVER COMMONS ENT

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	270
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 106

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
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PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT MCCOY DR AND LA FOX DR

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	271
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\286_Interconnect Plan for IL-59 South to North_4.dgn

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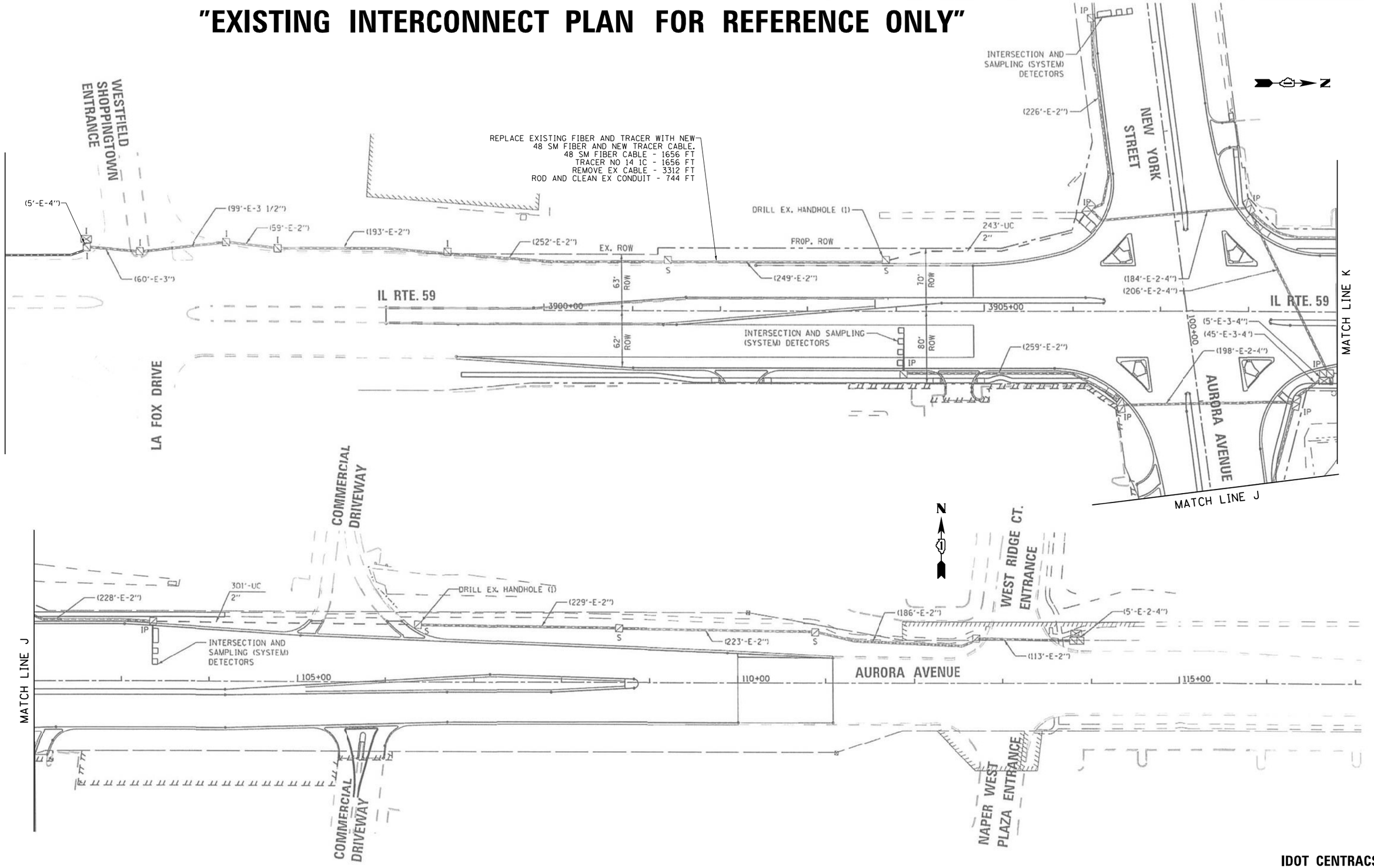

IDOT CENTRACS
FORMER ECON 106

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\267-Interconnect Plan for IL-59 South to North-5.dgn

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:/773/774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
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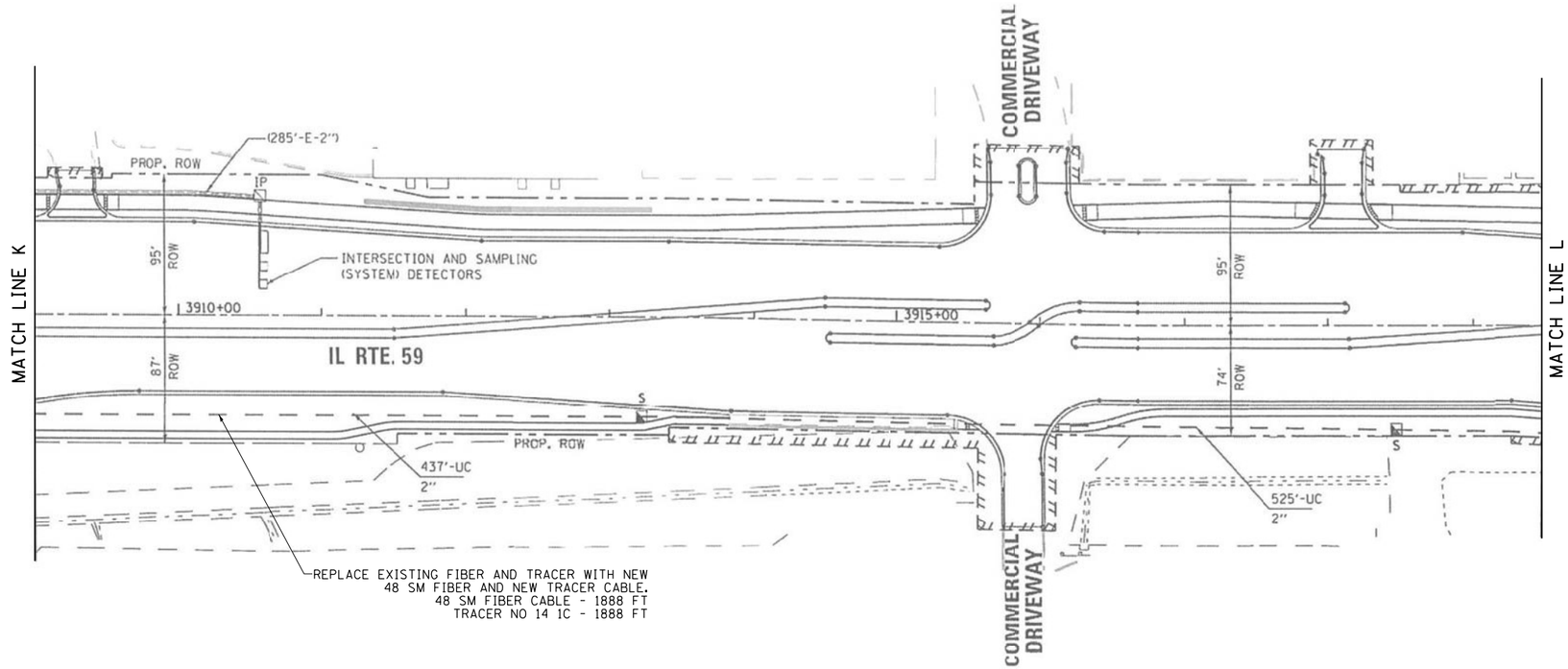
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

EXISTING INTERCONNECT PLAN
IL RTE 59 AT FOX VALLEY SC AND NEW YORK ST

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	272
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



IDOT CENTRACS
FORMER ECON 106

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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 = $USER$	DESIGNED - EA	REVISED -	
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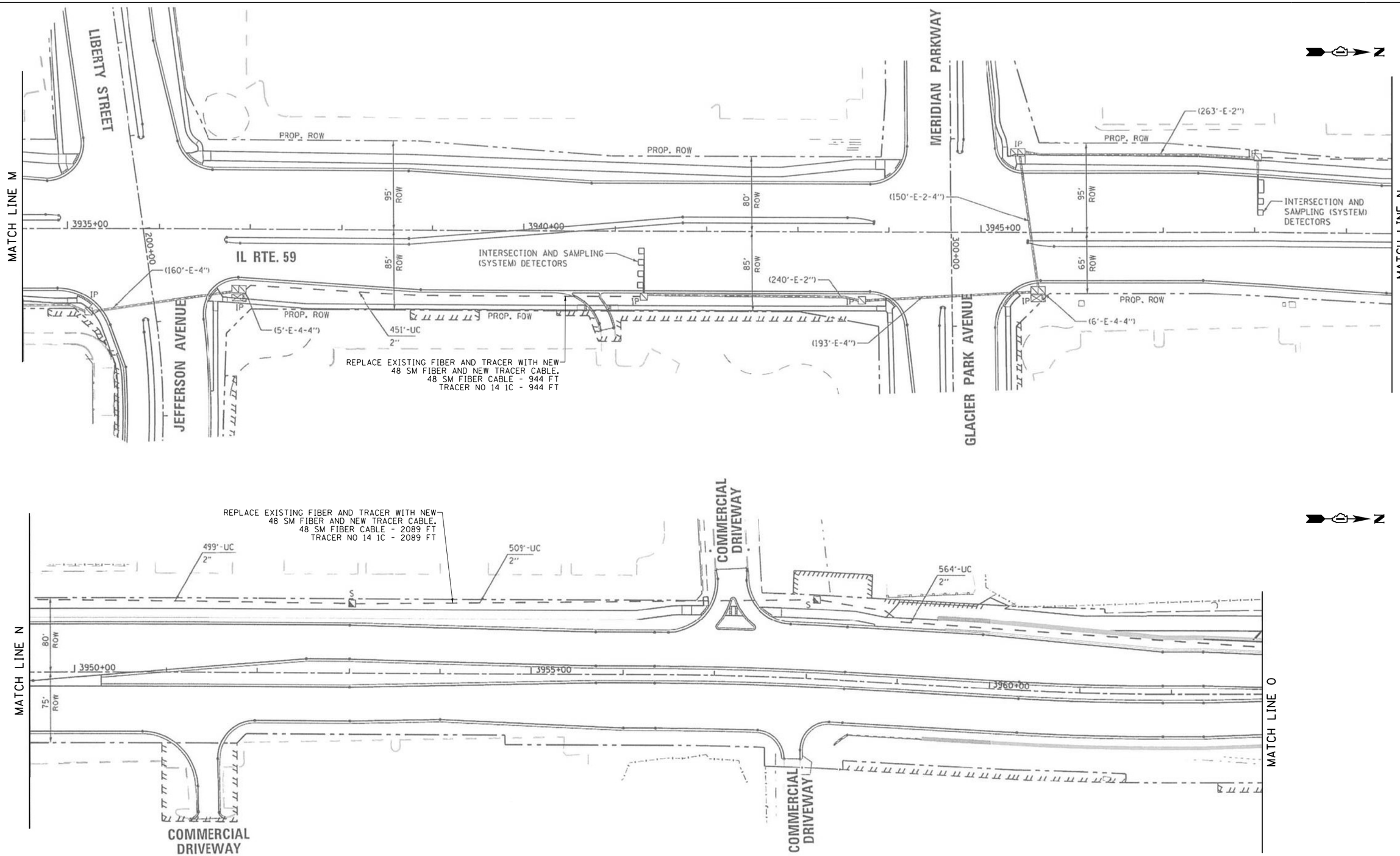
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT MEIJER ENTRANCE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	273
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



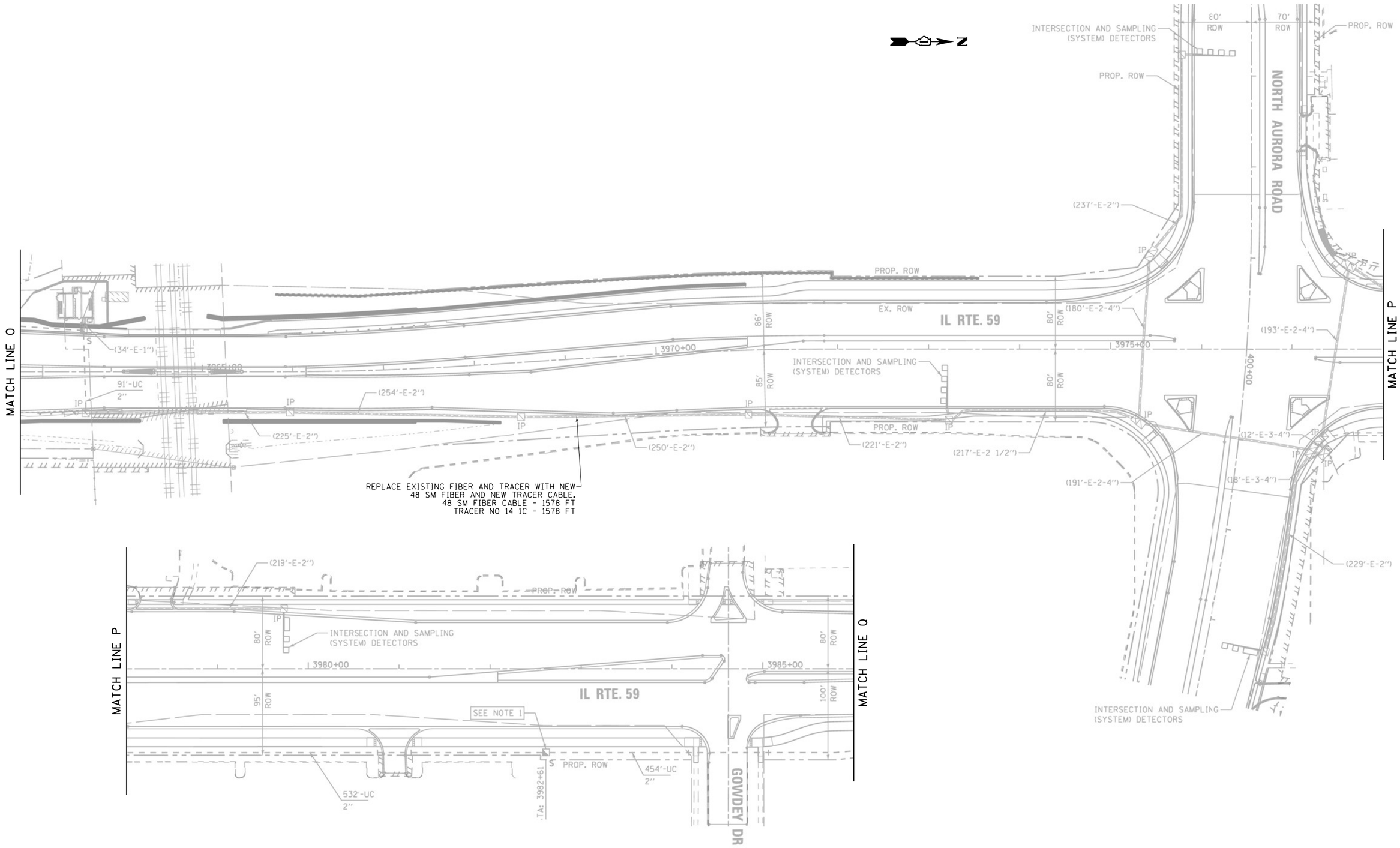
"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 106

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\269_Interconnect Plan for IL-59 South to North_7.dgn

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:(773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING INTERCONNECT PLAN IL RTE 59 AT LIBERTY ST AND GLACIER PARK AVE
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -		SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	274
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 106 & 25

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\270_Interconnect Plan for IL-59 South to North.dgn

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

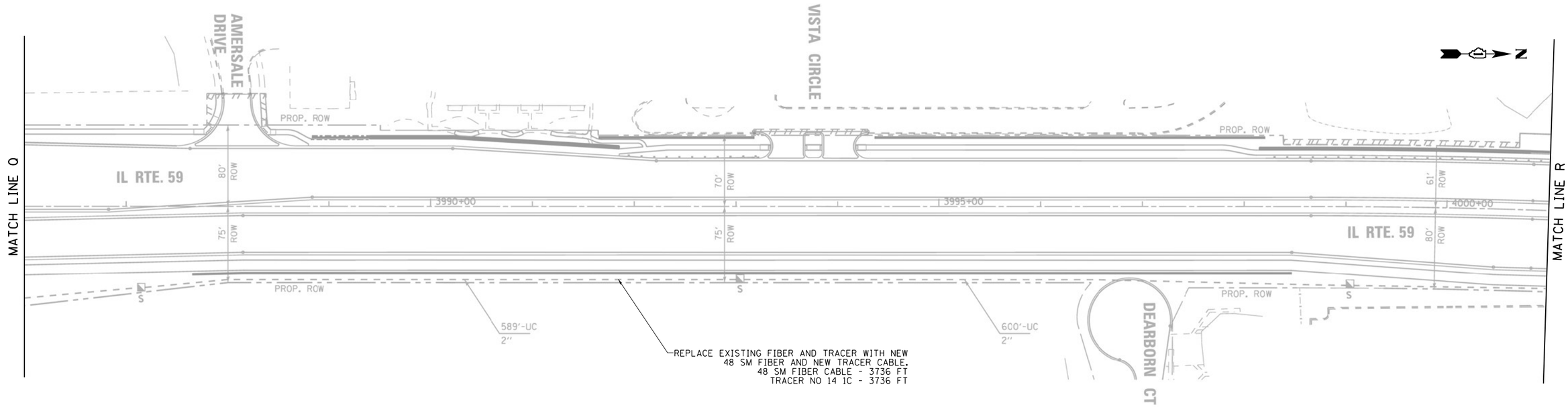
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

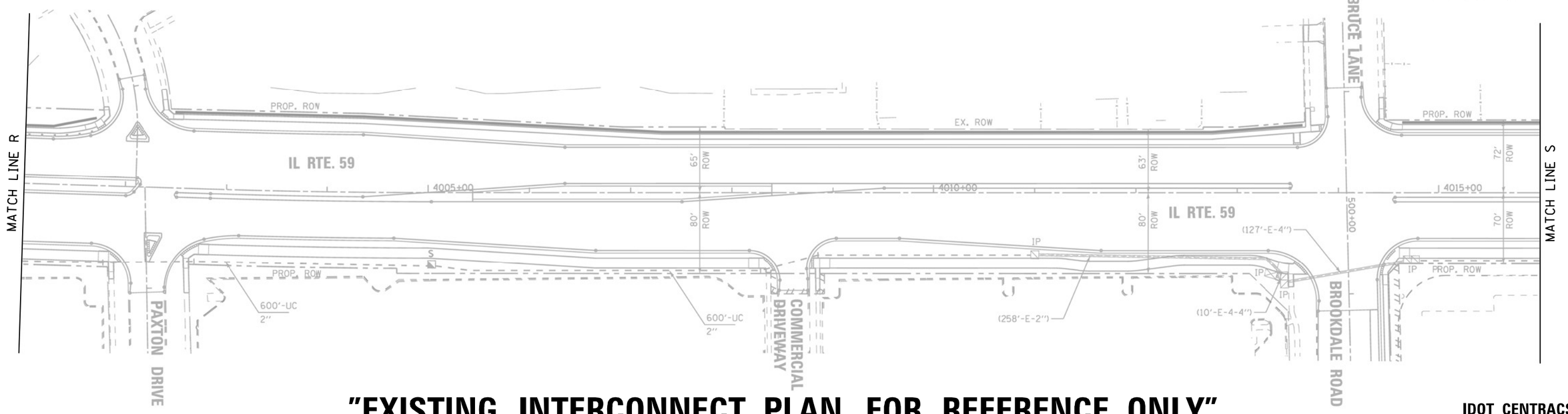
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT NORTH AURORA RD

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	275
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 25

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\271_Interconnect Plan for IL-59 South to North_9.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

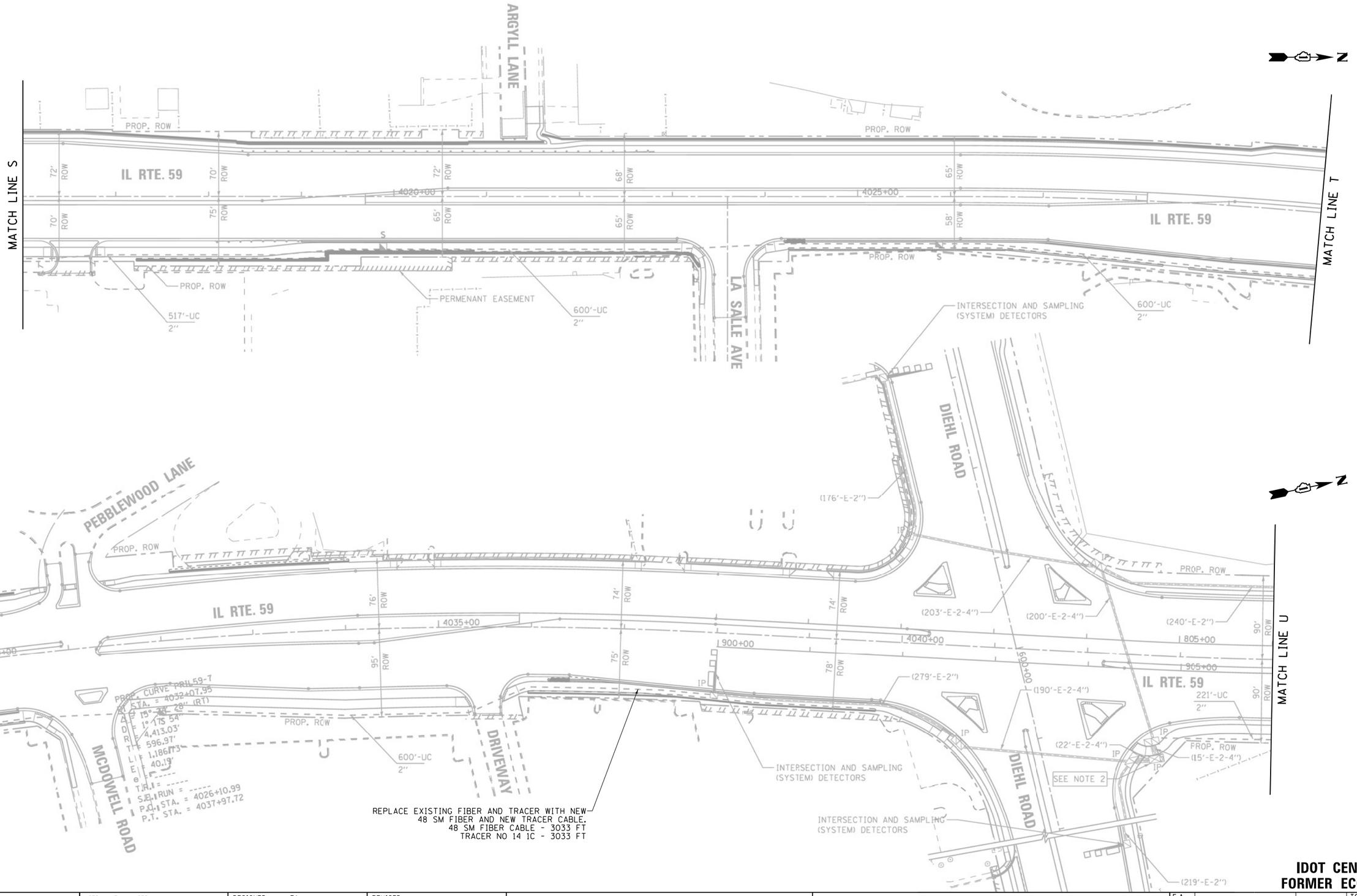
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT BROOKDALE RD

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	276
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"



IDOT CENTRACS
FORMER ECON 25

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL:(773)774-5900	USER NAME = $USER$	DESIGNED - EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING INTERCONNECT PLAN IL RTE 59 AT DIEHL RD
		DRAWN - EA, AV	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -		SCALE: / SHEET NO. OF SHEETS / STA. / TO STA.
	PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	277
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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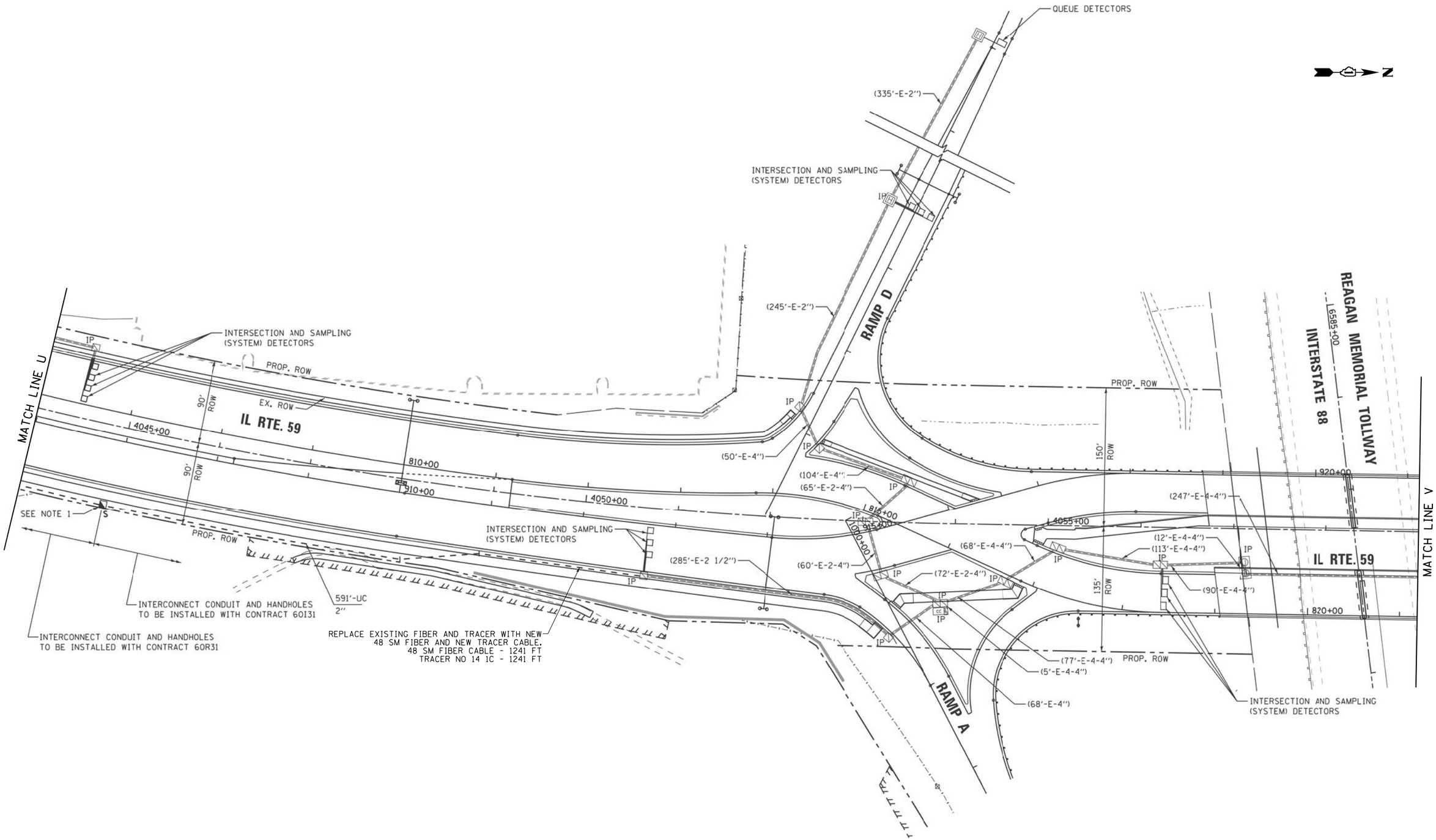


"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 25

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD\Sheets\273_Interconnect Plan for IL-59 South to North.ilsdgn

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

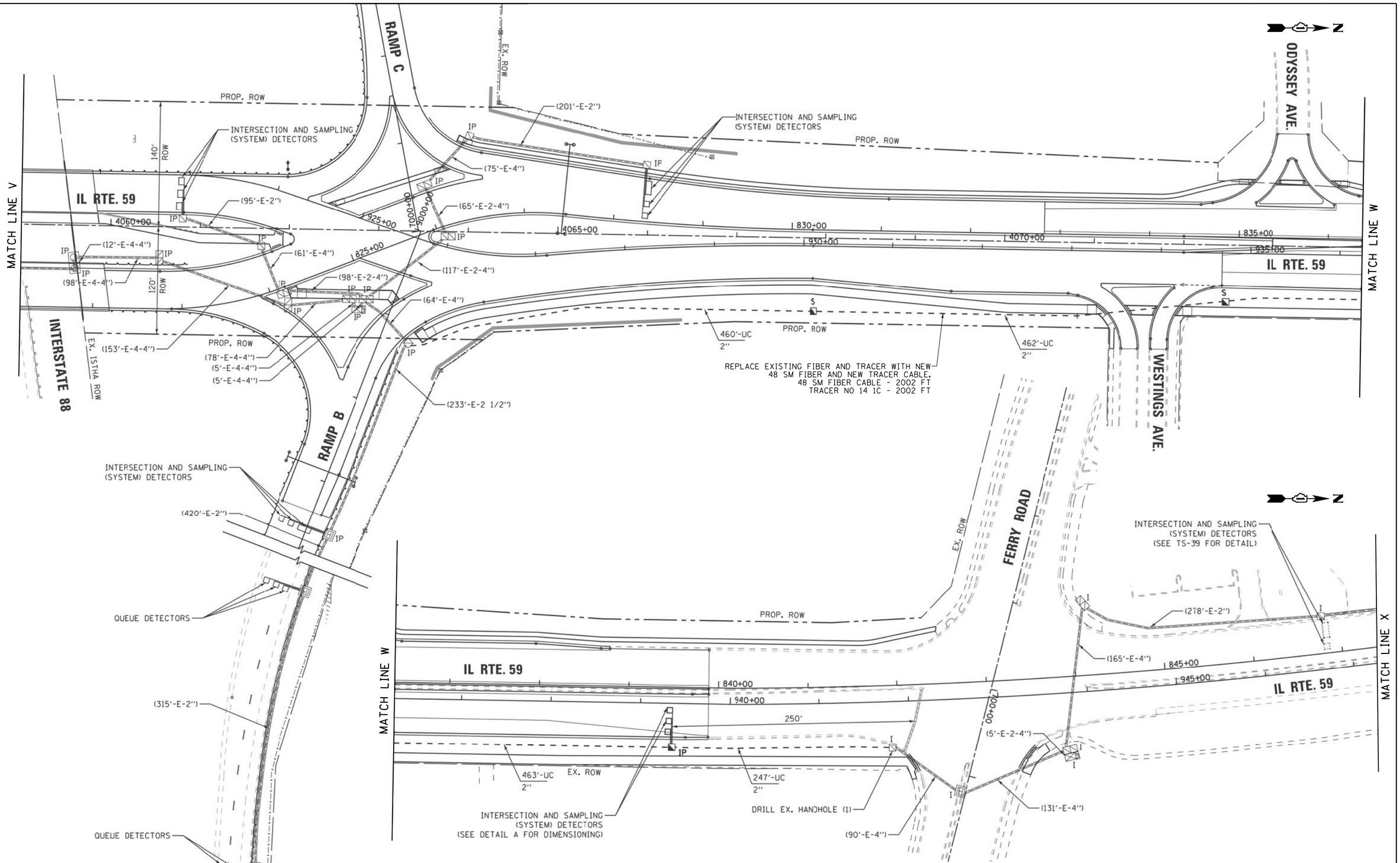
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT I-88 SOUTH RAMP

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	278
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 25

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT I-88 NORTH RAMP AND FERRY RD

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	279
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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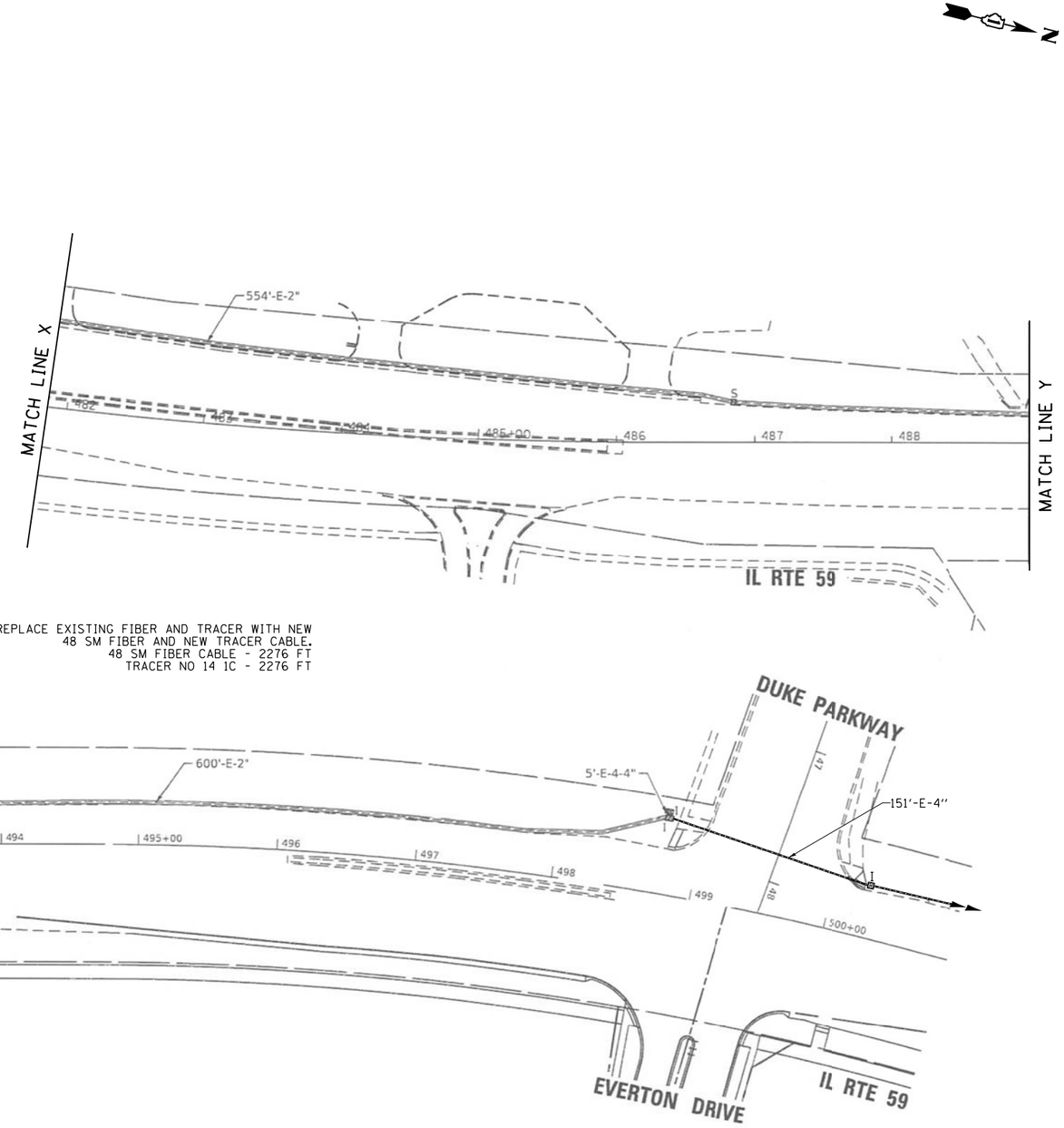

"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 25

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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 = $USER$	DESIGNED - EA	REVISED -
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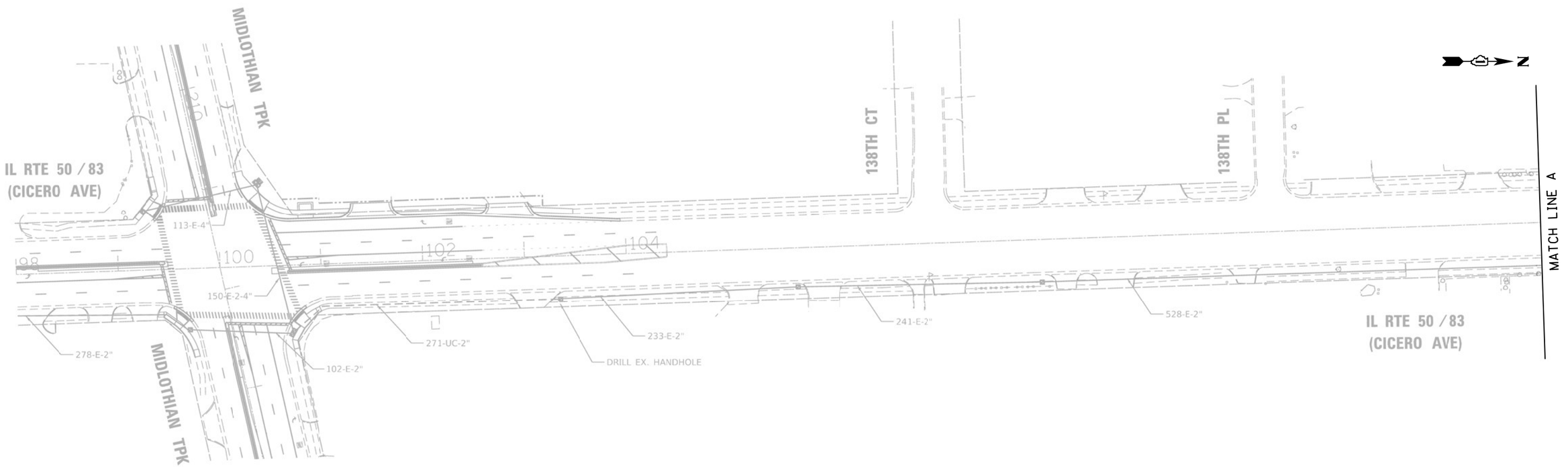
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

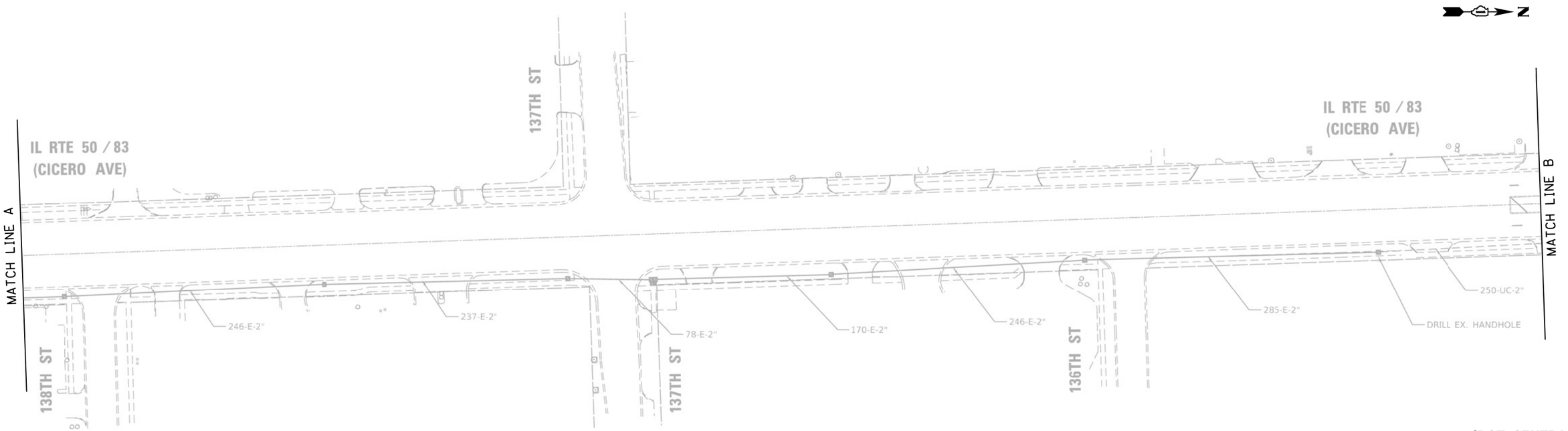
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 59 AT FERRY RD AND DUKE PKWY

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	280
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 69

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\276_Interconnect Plan for IL-50 South to North.1.dgn

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

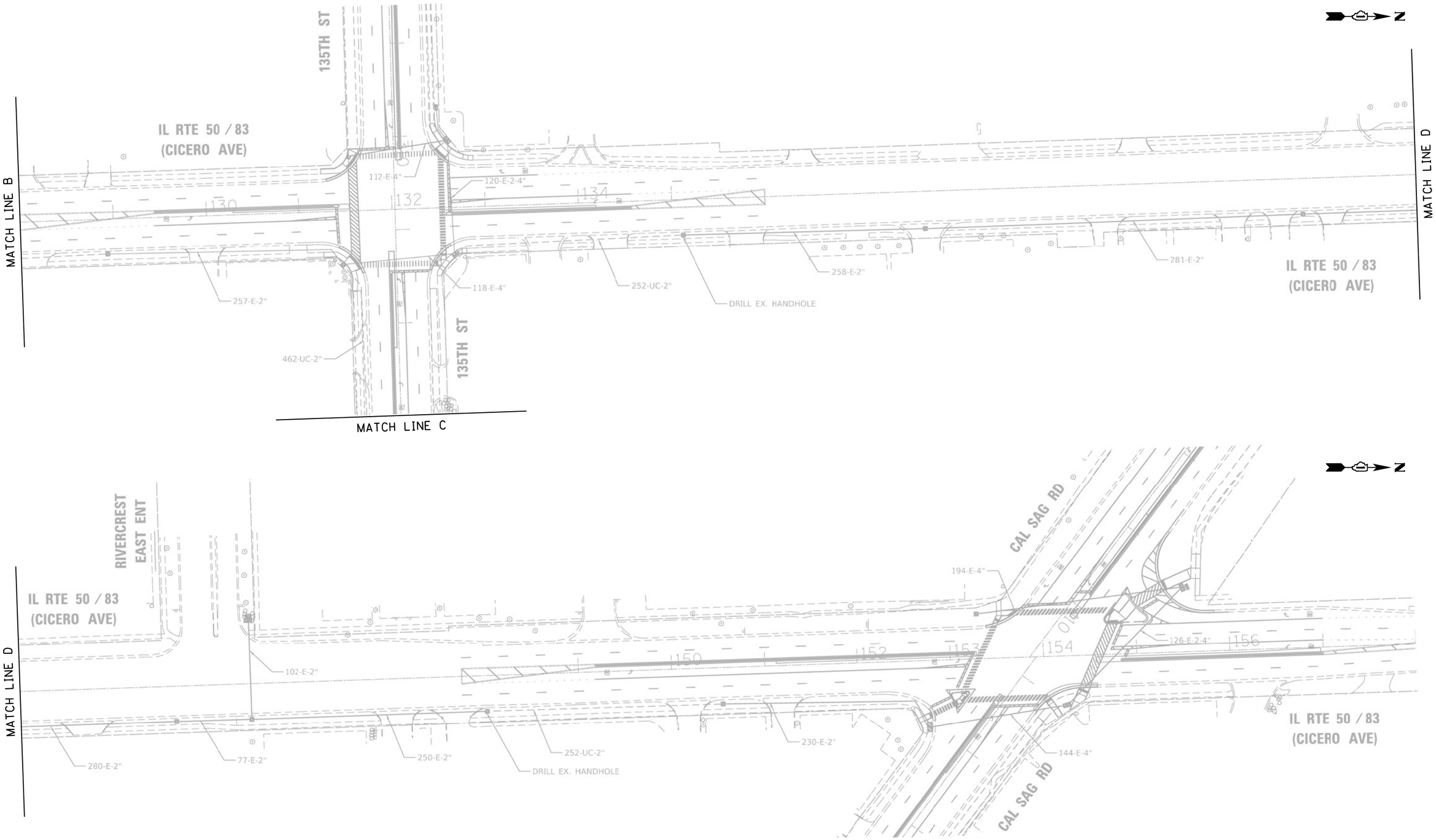
USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 50–83 (CICERO AVE) AT MIDLOTHIAN TPK AND 137TH ST

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	281
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 69

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\277_Interconnect Plan for IL-50 South to North.2.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
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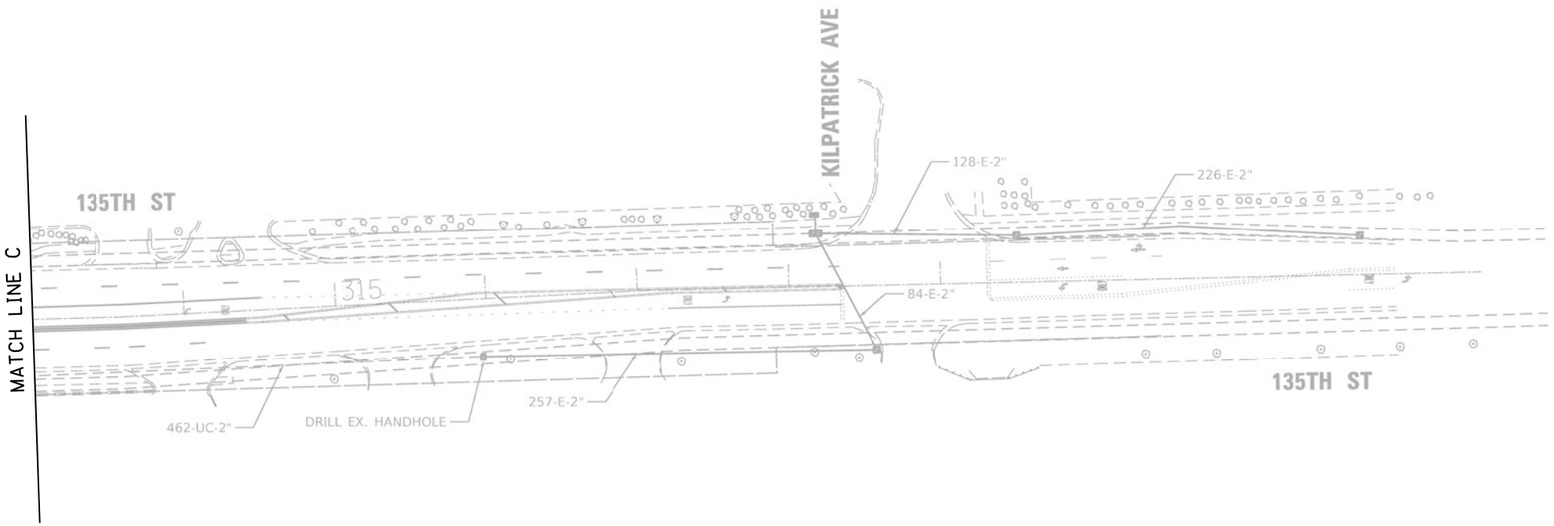
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 50-83 (CICERO AVE) AT 135TH ST AND RIVERCREST EAST DR AND CAL SAG RD

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	282
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 69

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\278_Interconnect Plan for IL-50 South to North_3.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
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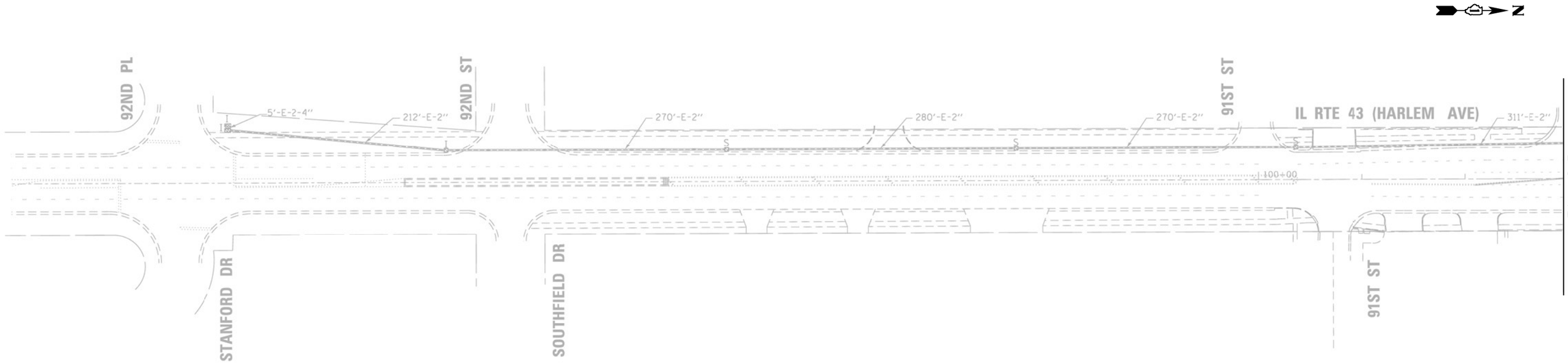
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

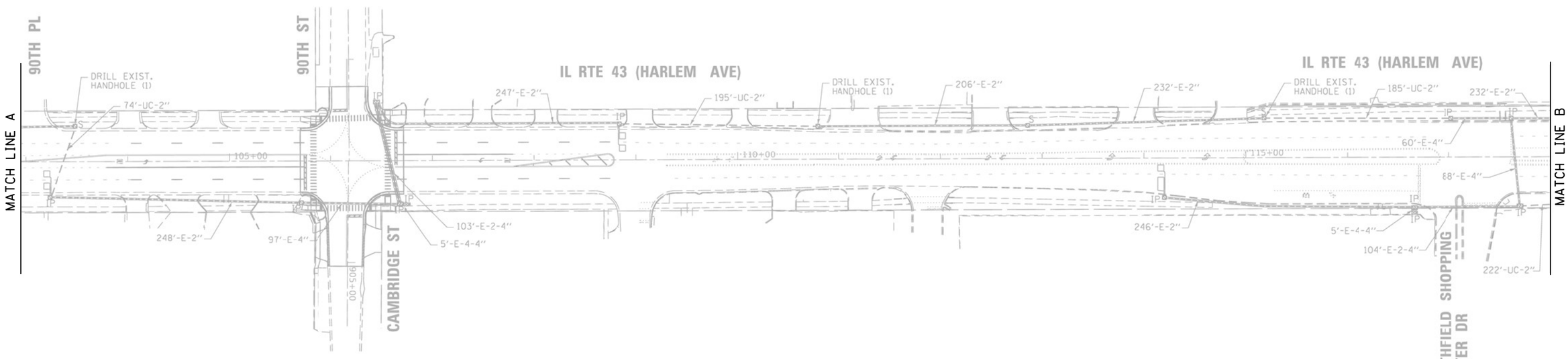
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 50-83 (CICERO AVE) AT KILPATRICK AVE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	283
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 61

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\279_Interconnect Plan for IL-43 South to North.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
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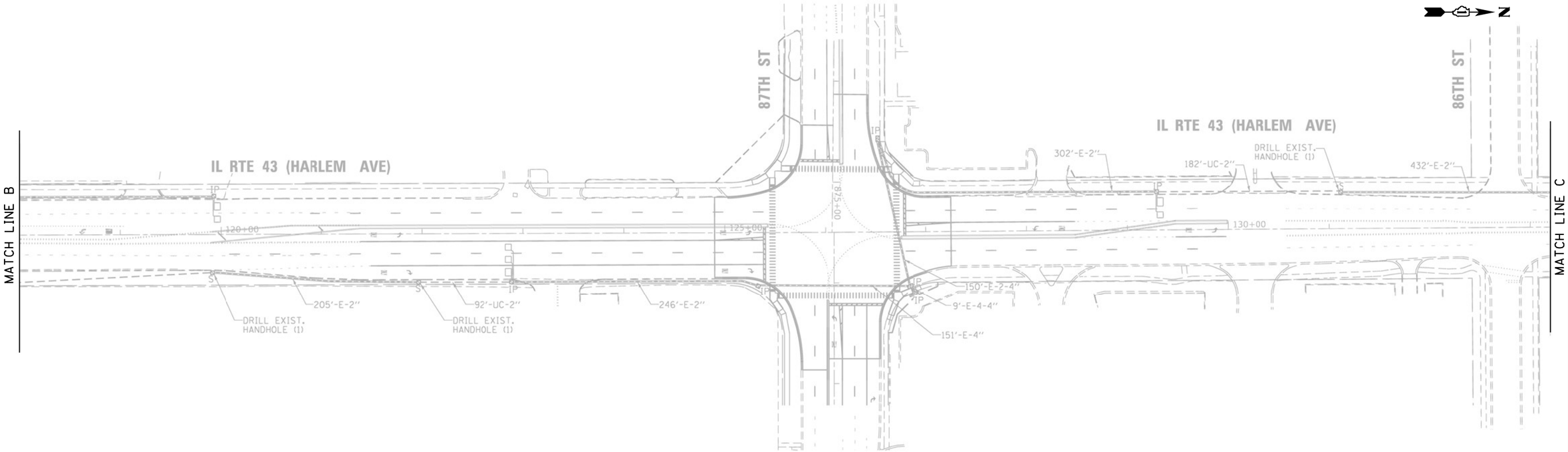
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 43 (HARLEM AVE) AT 92ND PL AND 90TH ST AND SOUTHFIELD SHOPPING CENTER DR/88TH ST

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	284
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 61

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

USER NAME = $USER$	DESIGNED - EA	REVISED -
	DRAWN - EA, AV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 43 (HARLEM AVE) AT 87TH ST AND 84TH ST

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	285
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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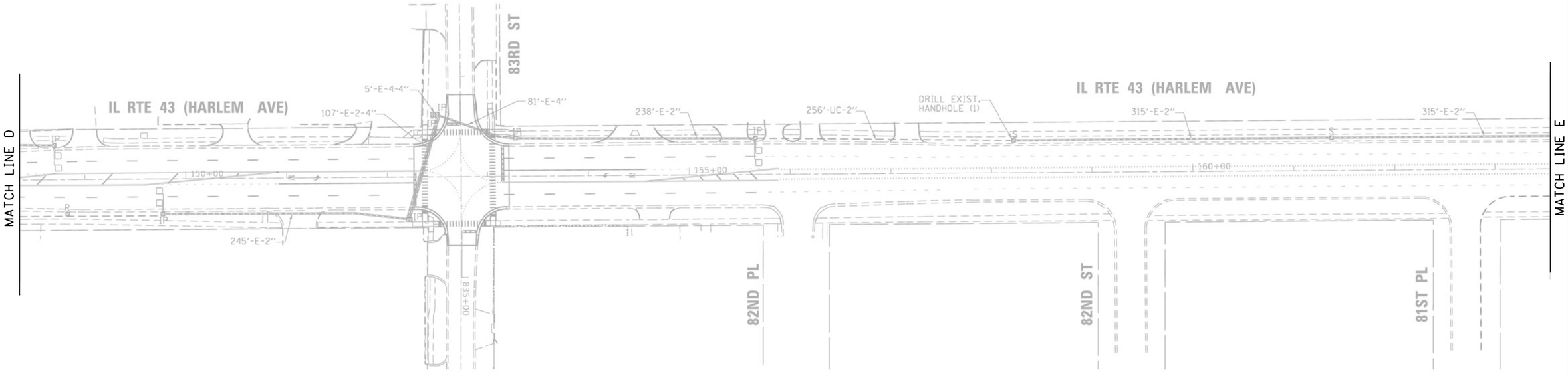
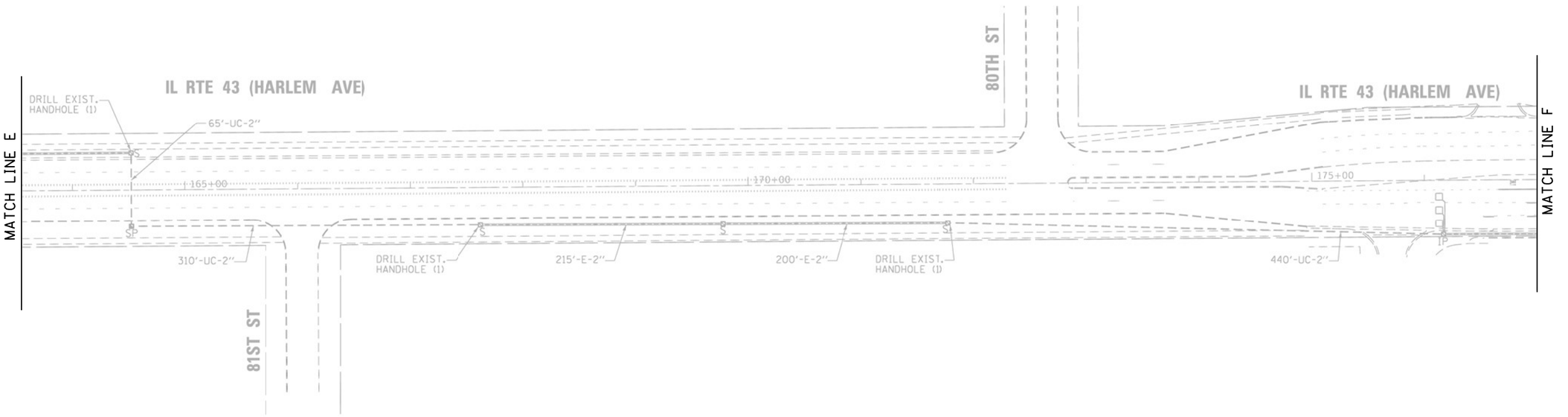




"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 61

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\281_Interconnect Plan for IL-43 South to North_3.dgn

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

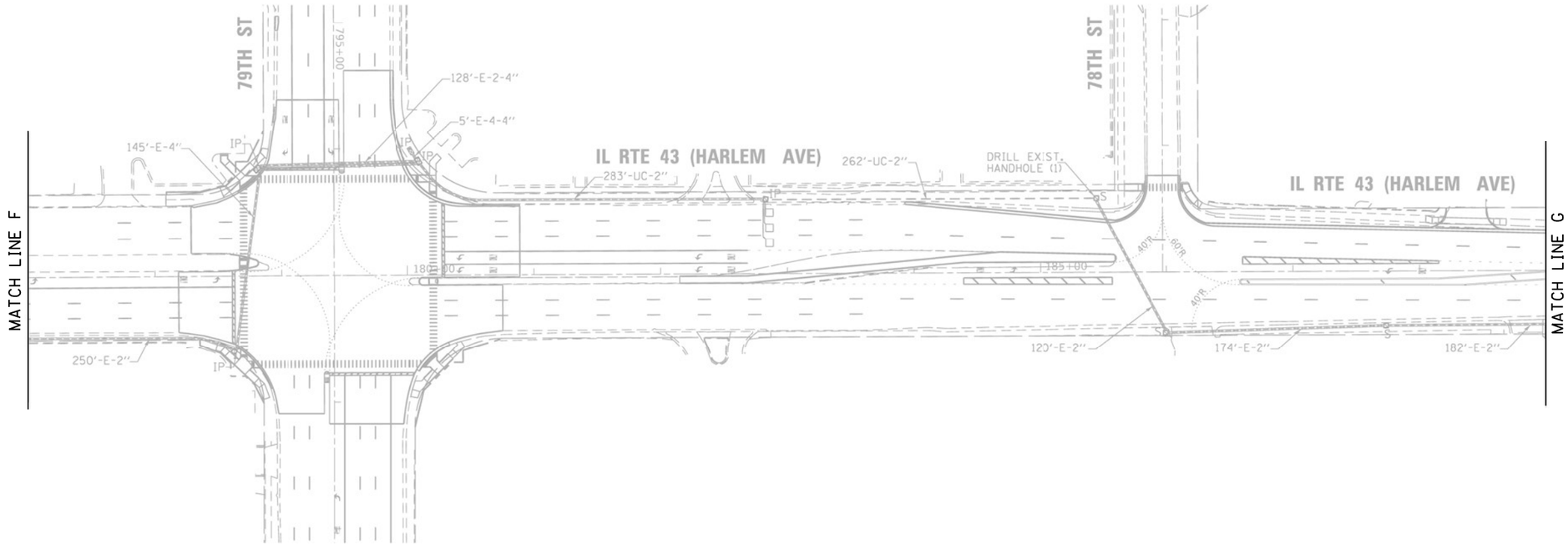
USER NAME = $USER$	DESIGNED - EA	REVISED -	
	DRAWN - EA, AV	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MS	REVISED -	
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

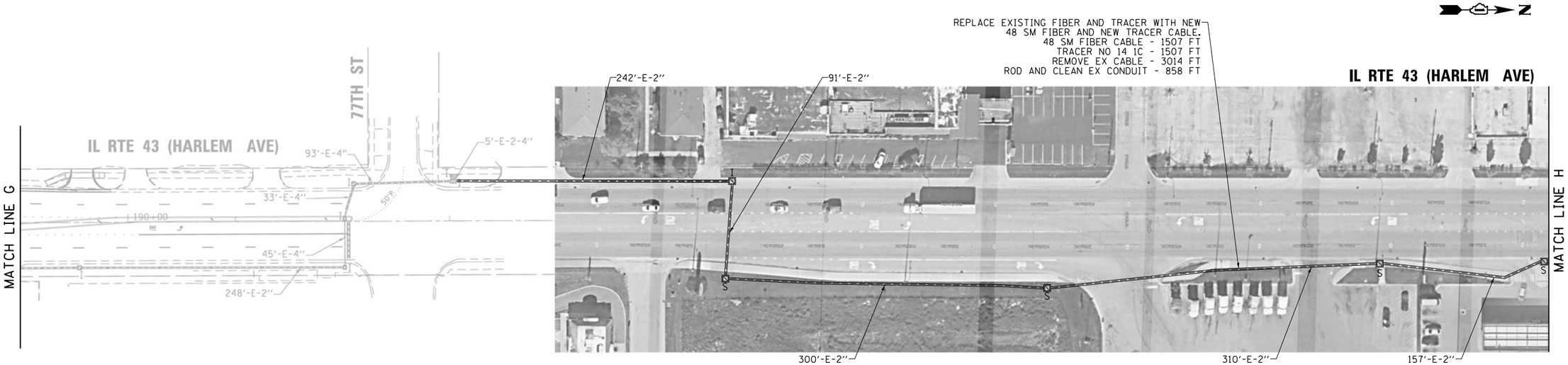
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 43 (HARLEM AVE) AT 83RD ST

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	286
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 61

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Centracs Phase 3\CADD_Sheets\282_Interconnect Plan for IL-43 South to North-4.dgn

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

USER NAME = $USER$	DESIGNED - EA	REVISED -	
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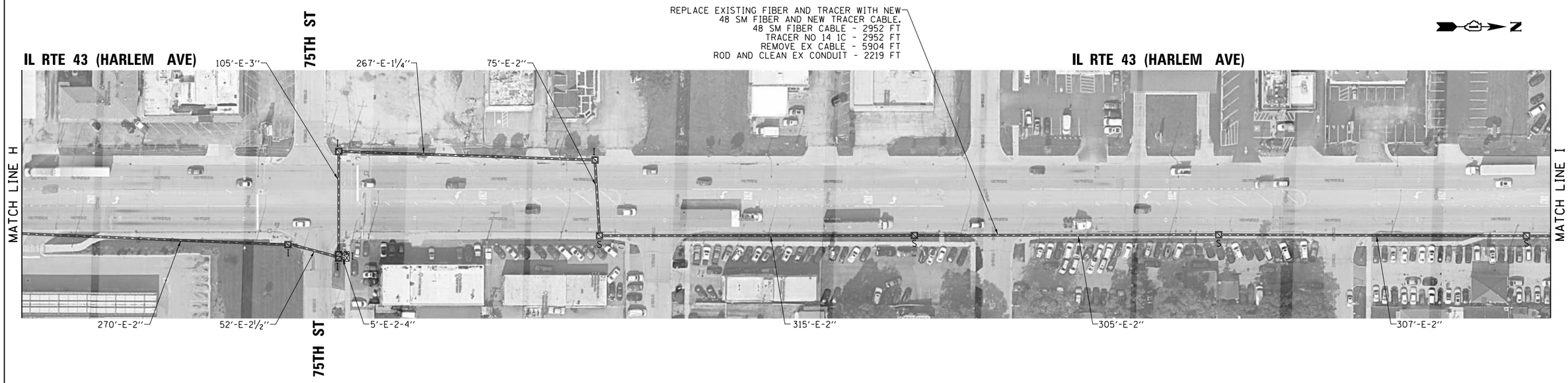
PLOT DATE = $DATE$	DATE - 3/23/2023	REVISED -	

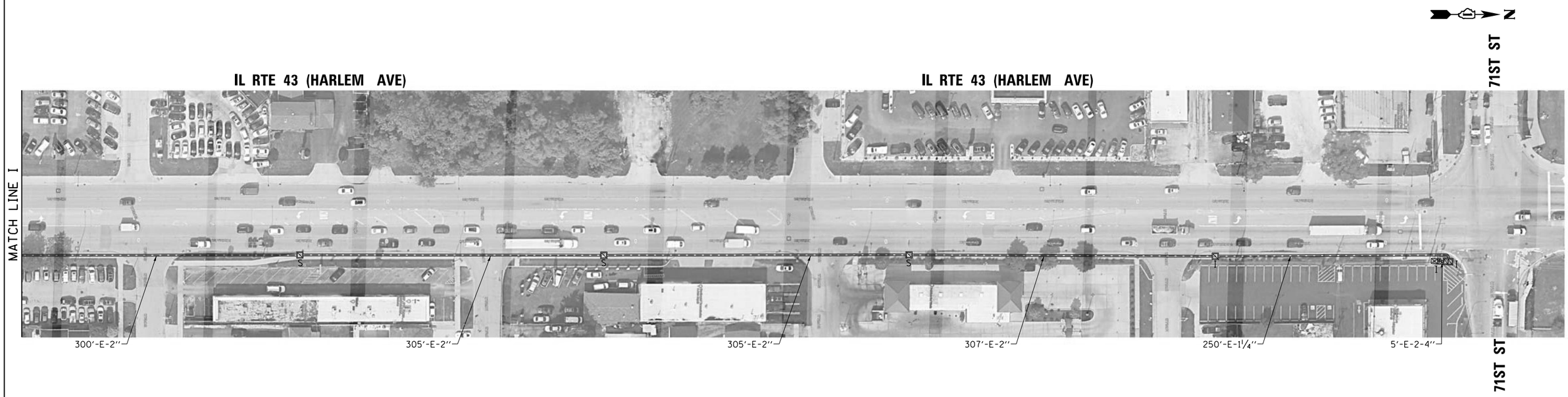
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 43 (HARLEM AVE) AT 79TH ST AND 77TH ST

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	287
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





"EXISTING INTERCONNECT PLAN FOR REFERENCE ONLY"

IDOT CENTRACS
FORMER ECON 61

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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 = $USER$	DESIGNED - EA	REVISED -
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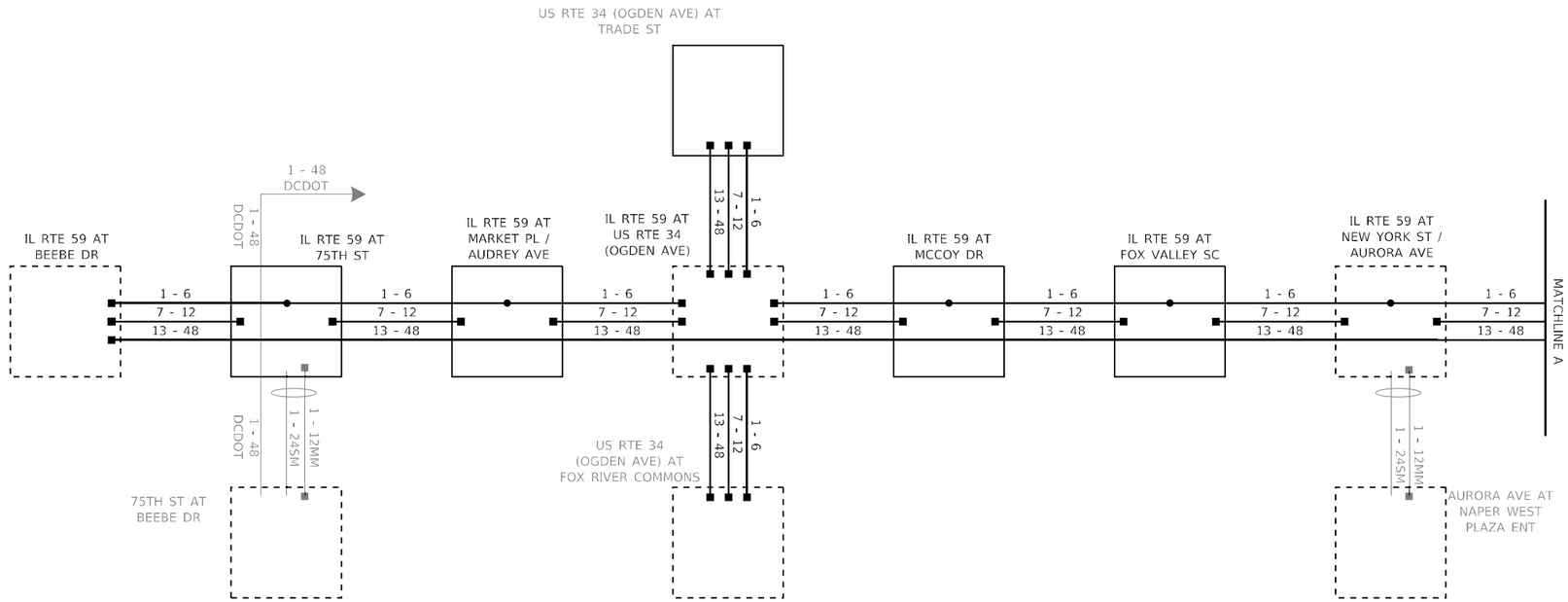
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT PLAN
IL RTE 43 (HARLEM AVE) AT 75TH ST AND 71ST ST

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	288
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EXISTING CONNECTOR / EXISTING FIBER

NEW CONNECTOR / EXISTING FIBER

EXISTING FUSION SPLICE / EXISTING FIBER

NEW FUSION SPLICE / EXISTING FIBER

NEW CONNECTOR / NEW FIBER

NEW FUSION SPLICE / NEW FIBER

EXISTING HYBRID MULTI MODE / SINGLE MODE FIBER

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SRF Consulting Group, Inc.
564 W. Randolph Street, Suite 250
Chicago, IL 60661-2218 | 773.608.7091

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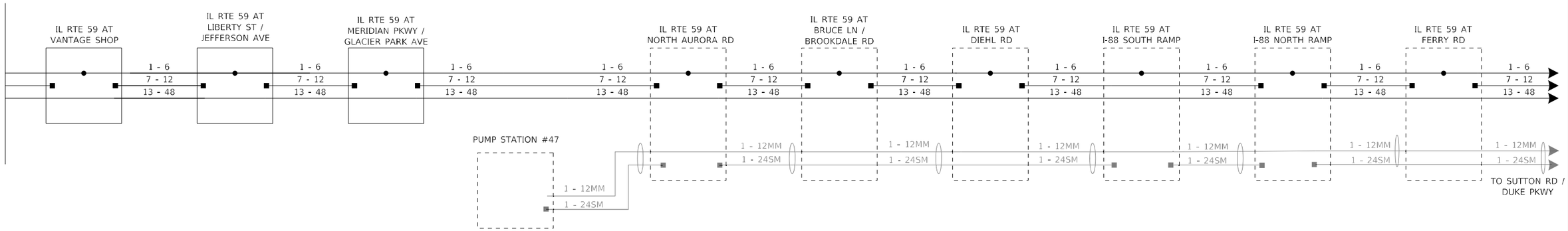
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAM SHEET (1 OF 3)
IL RTE 59

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	289
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EXISTING CONNECTOR / EXISTING FIBER

NEW CONNECTOR / EXISTING FIBER

EXISTING FUSION SPLICE / EXISTING FIBER

NEW FUSION SPLICE / EXISTING FIBER

NEW CONNECTOR / NEW FIBER

NEW FUSION SPLICE / NEW FIBER

EXISTING HYBRID MULTI MODE / SINGLE MODE FIBER

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SRF Consulting Group, Inc.
564 W. Randolph Street, Suite 200
Chicago, IL 60661-2218 | 773.908.7991

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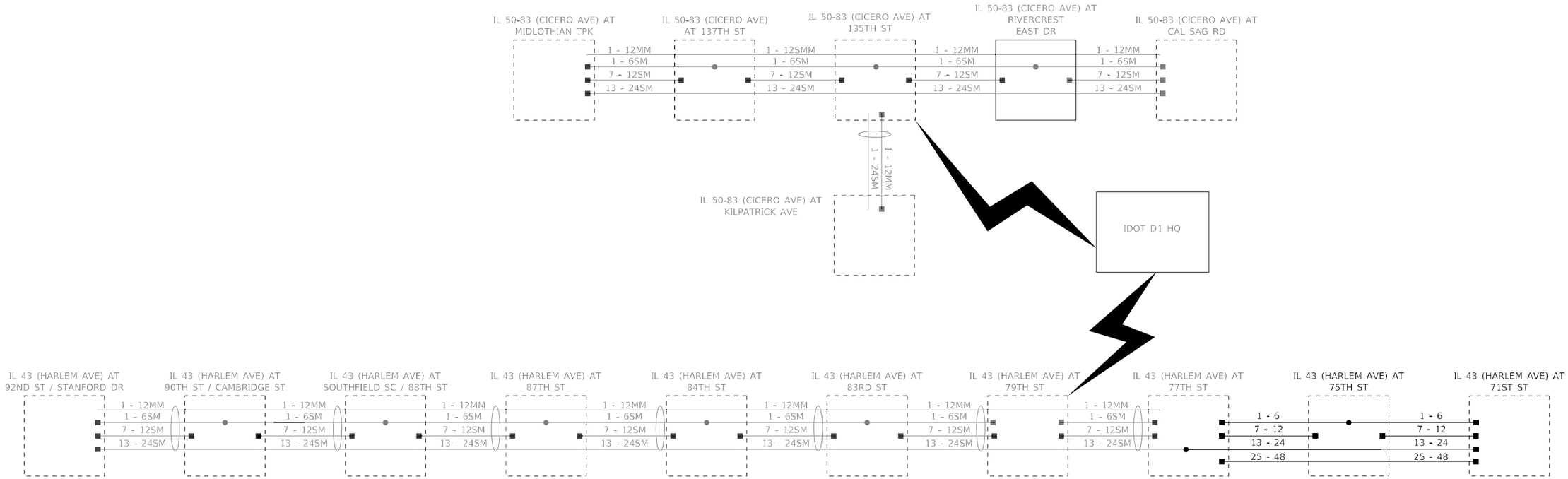
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAM SHEET (2 OF 3)
IL RTE 59

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	290
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EXISTING CONNECTOR / EXISTING FIBER

NEW CONNECTOR / EXISTING FIBER

EXISTING FUSION SPLICE / EXISTING FIBER

NEW FUSION SPLICE / EXISTING FIBER

NEW CONNECTOR / NEW FIBER

NEW FUSION SPLICE / NEW FIBER

EXISTING HYBRID MULTI MODE / SINGLE MODE FIBER

MODEL: Default
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SRF Consulting Group, Inc.
564 W. Randolph Street, Suite 250
Chicago, IL 60661-2218 | 773.808.7091

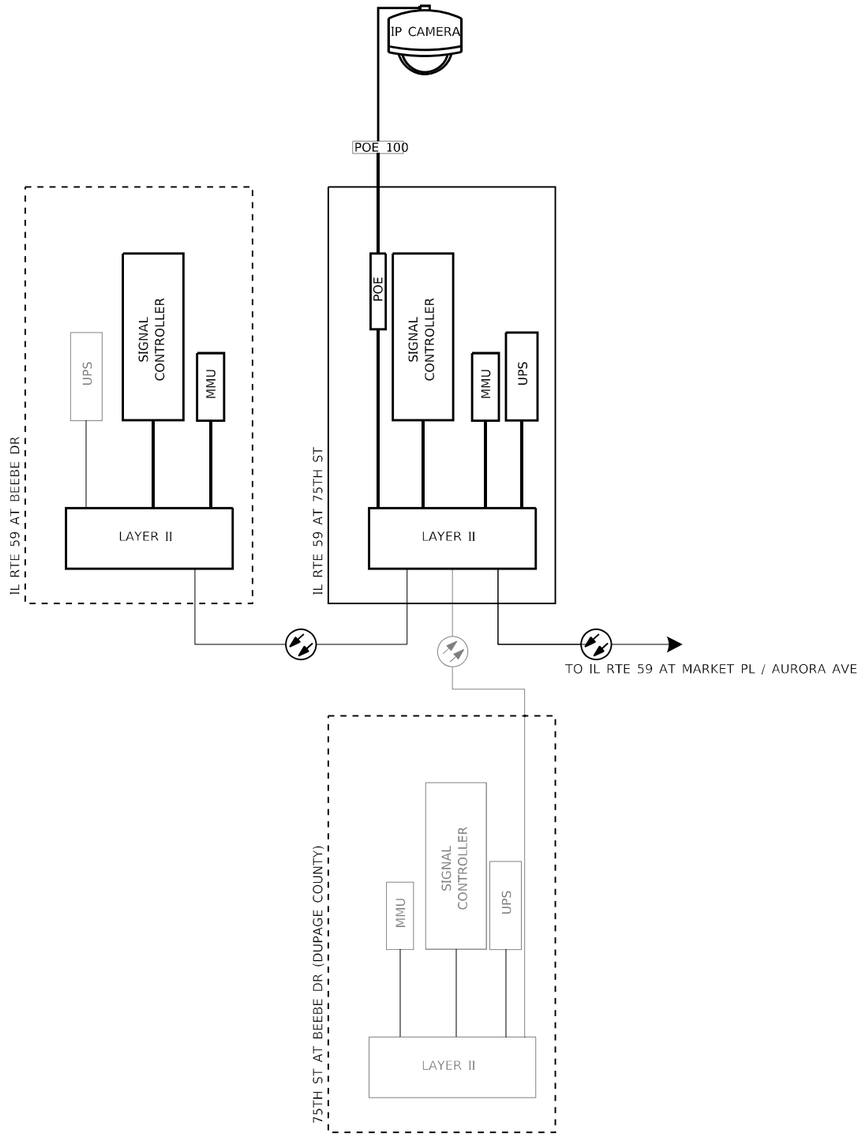
USER NAME = KHvizdos	DESIGNED - QA	REVISED - 05-12-2023	
	DRAWN - KH	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -	
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAM SHEET (3 OF 3)
IL 50-83 (CICERO AVE) - IL 43 (HARLEM AVE)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	291
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EXISTING MULTIMODE FIBER CONNECTION

PROPOSED MULTIMODE FIBER CONNECTION

EXISTING SINGLEMODE FIBER CONNECTION

PROPOSED SINGLEMODE FIBER CONNECTION

EXISTING EQUIPMENT

PROPOSED EQUIPMENT

MODEL: Default
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SRF Consulting Group, Inc.
564 W. Randolph Street, Suite 250
Chicago, IL 60661-2218 | 773.608.7091

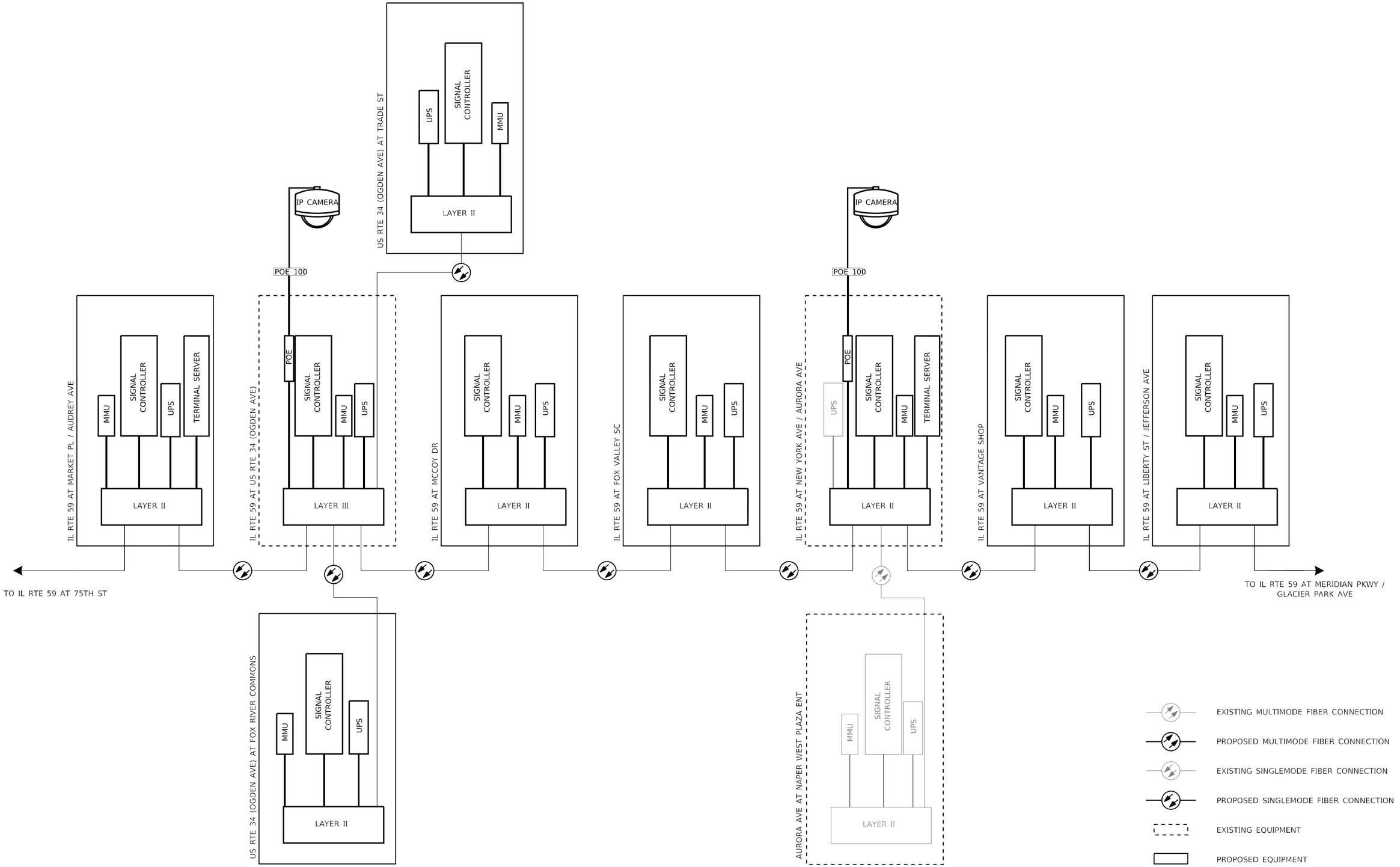
USER NAME = KHvizdos	DESIGNED - QA	REVISED - 05-12-2023	
	DRAWN - KH	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -	
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET (1 OF 5)
IL RTE 59

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	292
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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SRF Consulting Group, Inc.
55 W. Wacker Drive, Suite 2150
Chicago, IL 60601-2238 | 773.808.7091

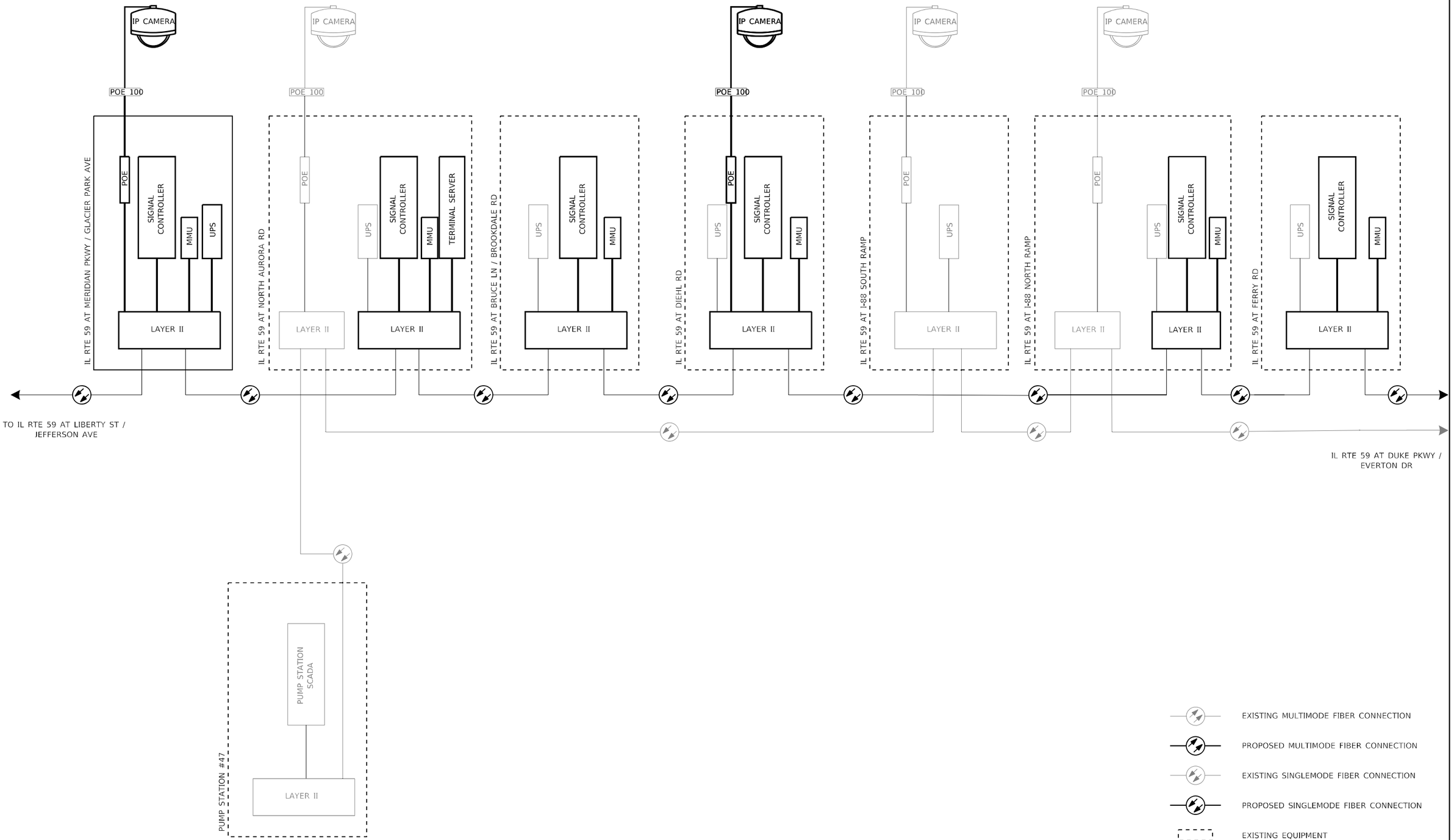
USER NAME = KHvizdos	DESIGNED - QA	REVISED - 05-12-2023	
	DRAWN - KH	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -	
PLOT DATE = 5/8/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET (2 OF 5)
IL RTE 59

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	293
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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SRF Consulting Group, Inc.
564 W. Randolph Street, Suite 200
Chicago, IL 60661-2218 | 773.608.7991

USER NAME = tyoung	DESIGNED - QA	REVISED - 05-12-2023	
	DRAWN - KH	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -	
PLOT DATE = 5/12/2023	DATE - 01/12/2023	REVISED -	

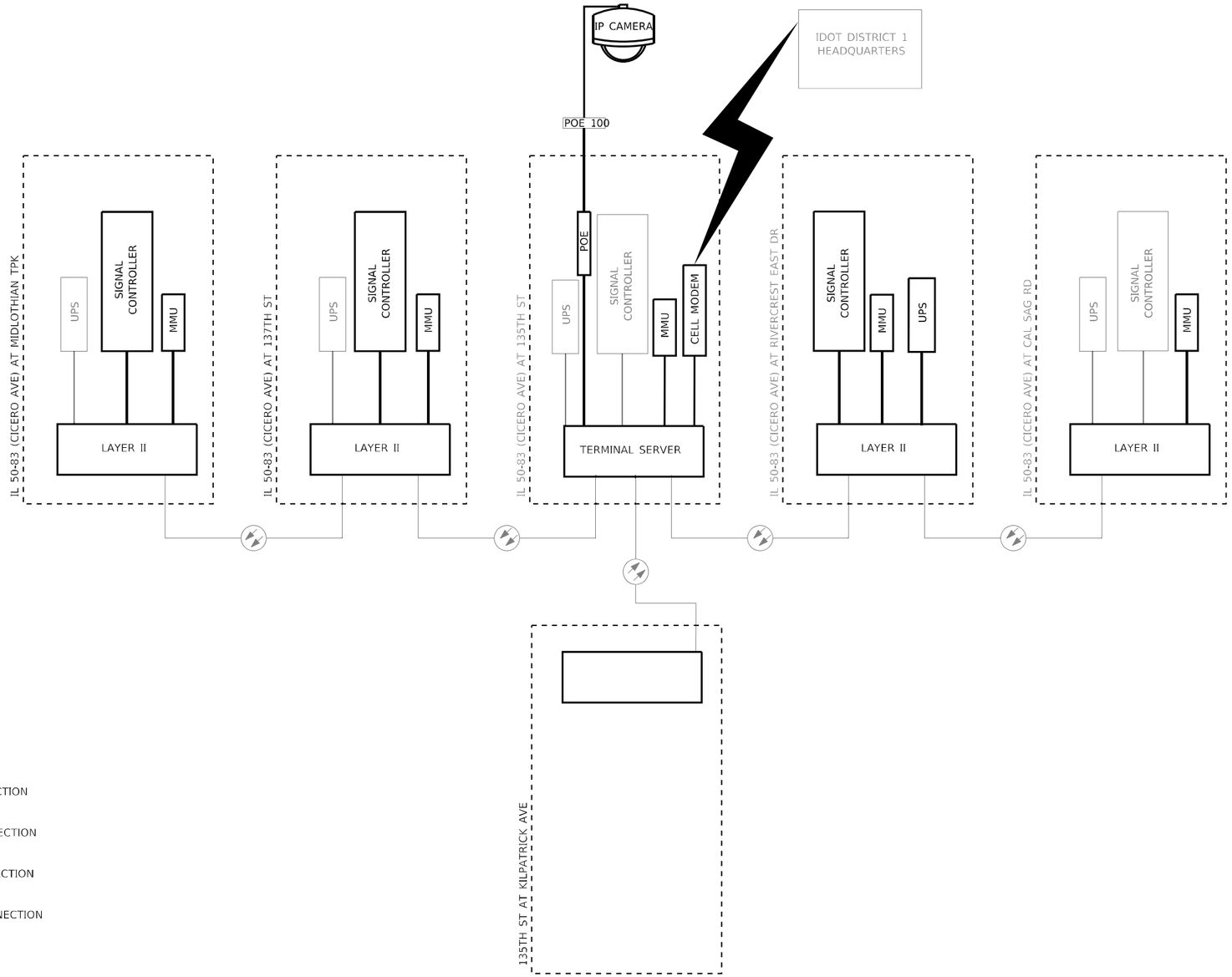
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET (3 OF 5)
IL RTE 59

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	294
		CONTRACT NO. 62T53		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



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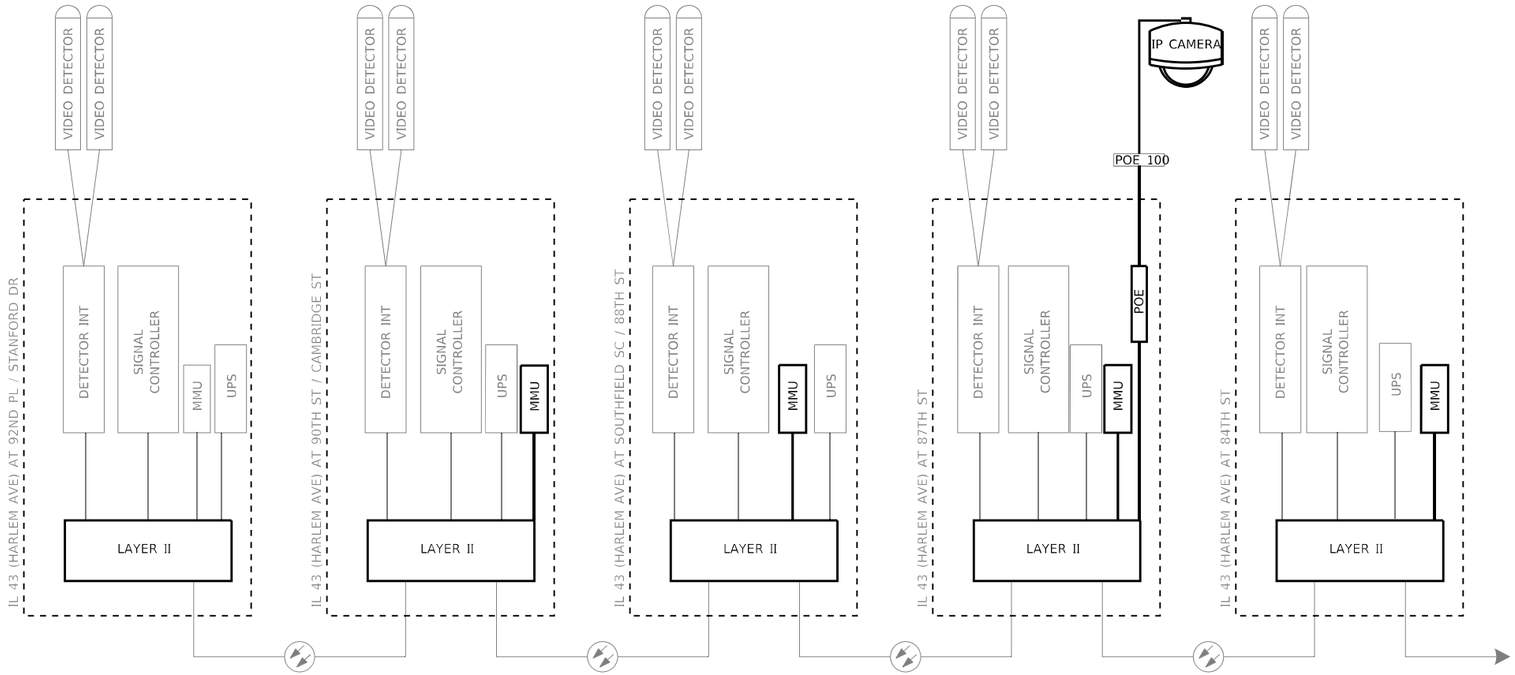
SRF Consulting Group, Inc.
564 W. Randolph Street, Suite 200
Chicago, IL 60661-2218 | 773.808-7091

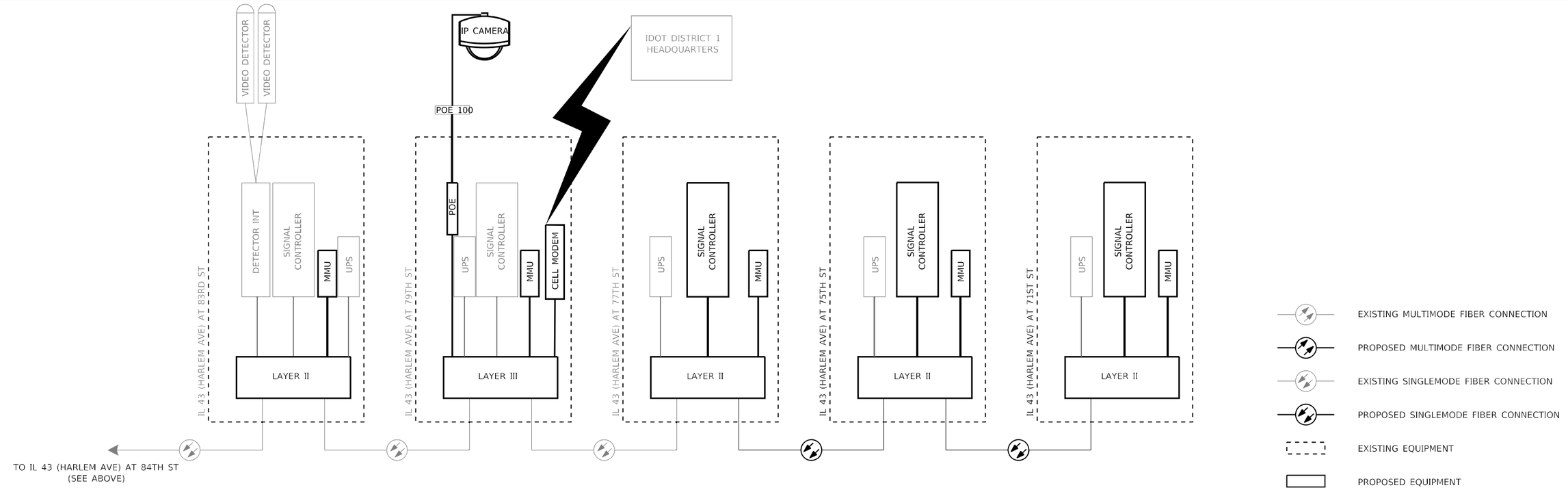
USER NAME = tyoung	DESIGNED - QA	REVISED - 05-12-2023	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - KH	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -	
PLOT DATE = 5/12/2023	DATE - 01/12/2023	REVISED -	

CABINET DETAIL SHEET (4 OF 5)
IL 50-83

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	295
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





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SRF Consulting Group, Inc.
550 W. Hubbard Street, Suite 205
Chicago, IL 60661-2238 | 773.808.7091

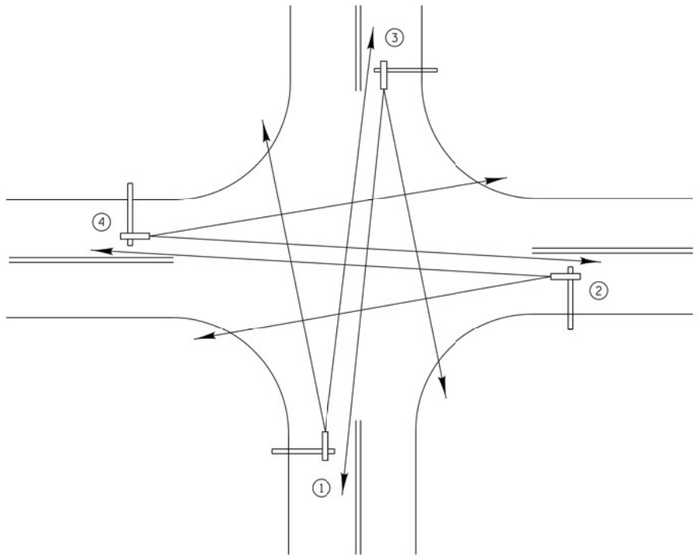
USER NAME = tyoung	DESIGNED - QA	REVISED - 05-12-2023
	DRAWN - KH	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TY	REVISED -
PLOT DATE = 5/12/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET (5 OF 5)
IL 43

SCALE: | SHEET OF SHEETS | STA. | TO STA.

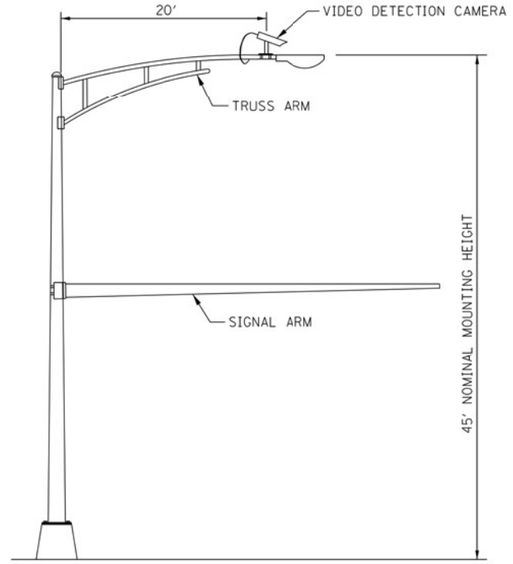
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2023 TRAFFIC 03	VARIOUS	300	296
		CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TYPICAL VIDEO VEHICLE DETECTION SYSTEM

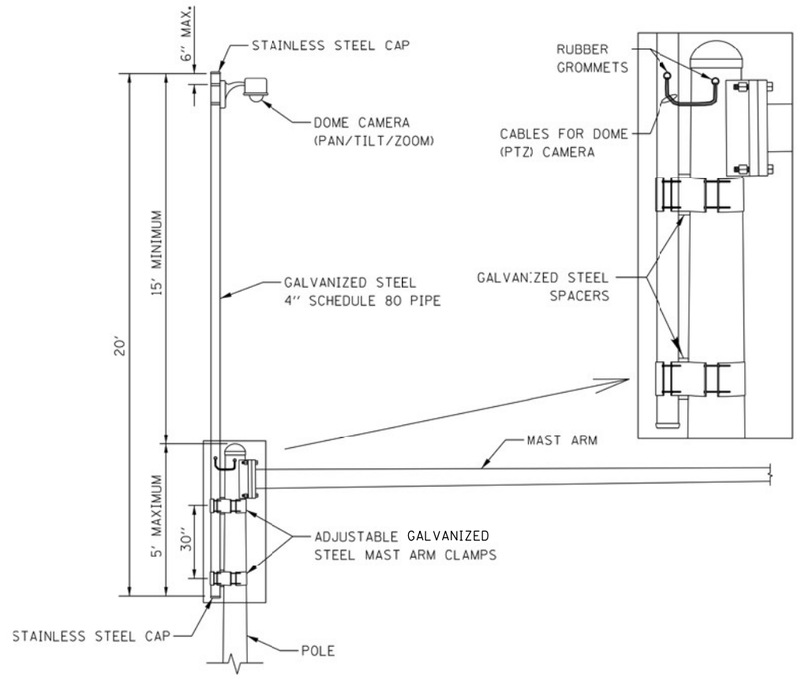
(NOT TO SCALE)

(4) VIDEO DETECTION CAMERA ASSEMBLIES AND BRACKETS ① ② ③ ④



COMBINATION MAST ARM ASSEMBLY AND POLE DIMENSIONS

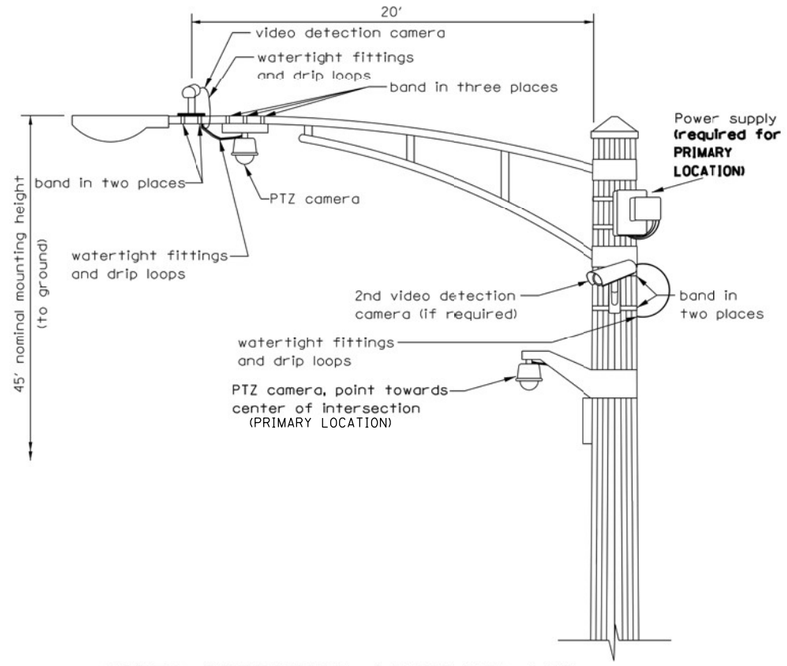
(NOT TO SCALE)



CAMERA MOUNTING ASSEMBLY DETAIL

(NOT TO SCALE)

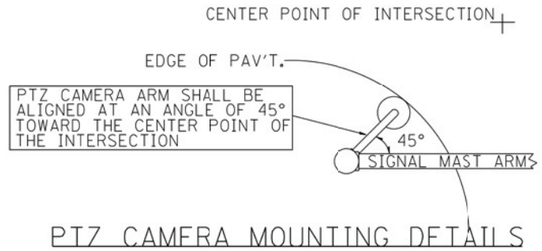
NOTES:
- THE MAST ARM IS TAPERED.
- INSTALL EXTENSION POLE VERTICAL AND PLUMB BY MODIFYING/INSTALLING BRACKETS AS NECESSARY. ADDITIONAL SPACERS REQUIRED ARE INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY OF THE TYPE SPECIFIED.
- SPACERS ARE TO BE INTEGRATED OR MANUFACTURED WITH THE MAST ARM BRACKETS



VIDEO DETECTION CAMERA(S) AND DOME (PTZ) CAMERA MOUNTING DETAIL

(NOT TO SCALE)

NOTES FOR SINGLE, DUAL AND MULTIPLE CAMERA MOUNTING:
- MOUNT LUMINAIRE MOUNTING BRACKET AS HIGH AS POSSIBLE.
- MOUNT VIDEO DETECTION CAMERA AIMING DOWN TOWARD THE DIRECTION OF TRAFFIC TO BE DETECTED.



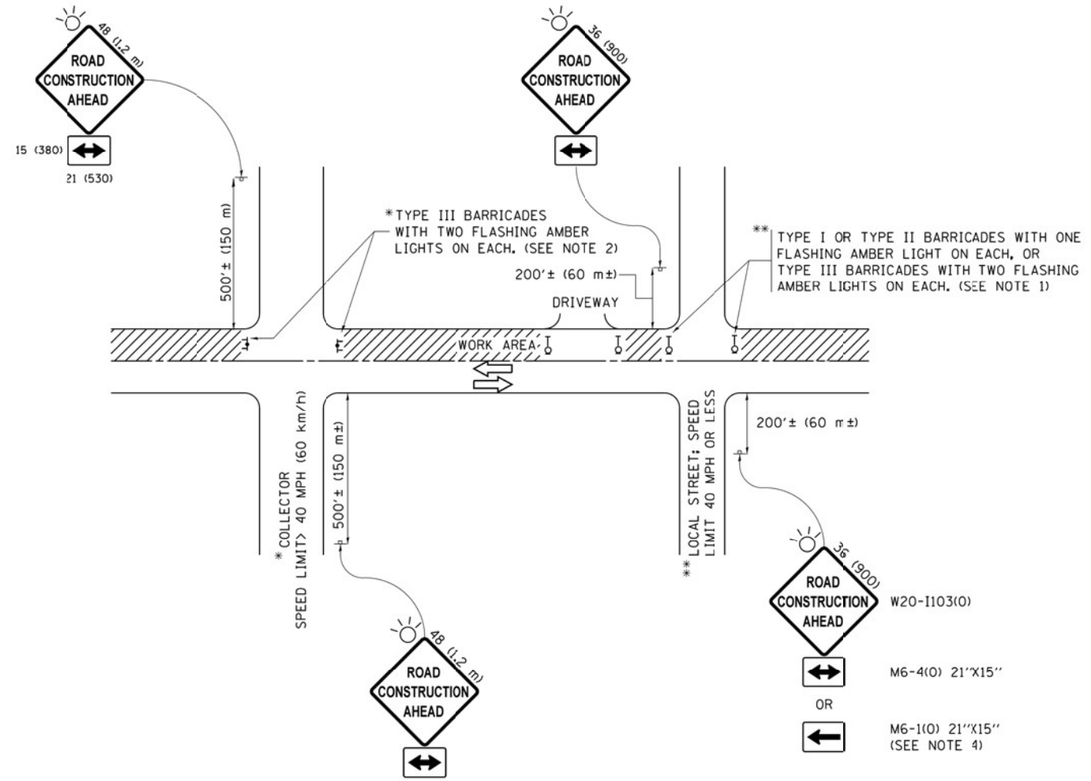
PTZ CAMERA MOUNTING DETAILS (SECONDARY LOCATION)

(NO SCALE)

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracts Phase 3\CADD_Sheets\293_CAMERA MOUNTING DETAIL.dgn

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL.:773)774-5900	USER NAME = $USER$	DESIGNED - KK	REVISED - 5/12/2023	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CAMERA MOUNTING DETAIL
		DRAWN - KK	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - DD	REVISED -		
	PLOT DATE = $DATE$	DATE - 06/30/2022	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	297
		CONTRACT NO. 62T53		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED FORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE FLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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

USER NAME = $USER$	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED -T. RAMMACHER 01-06-00
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = $DATE$	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

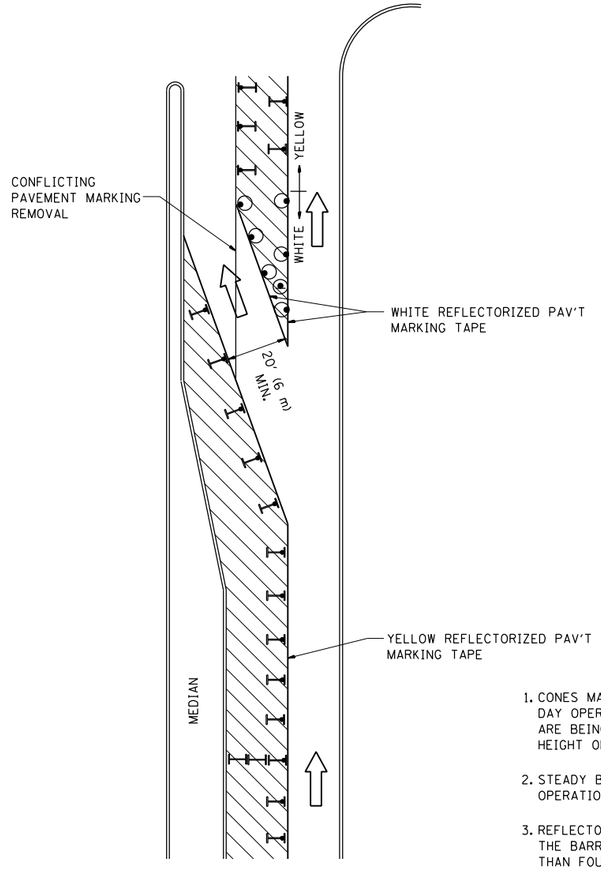
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

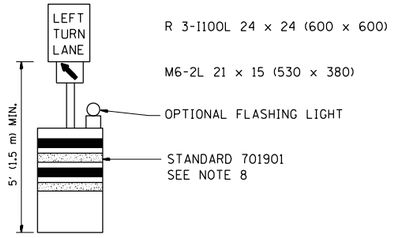
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	298
	TC-10	CONTRACT NO. 62T53		
	ILLINOIS FED. AID PROJECT			

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD_Sheets\294_TRAFFIC CONTROL AND PROTECTION.dgn

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00
R. BORO	09/14/09

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE

DRAWN BY

CHECKED BY LHA

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

USER NAME = $USER$	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = $DATE$	DATE -	REVISED -	

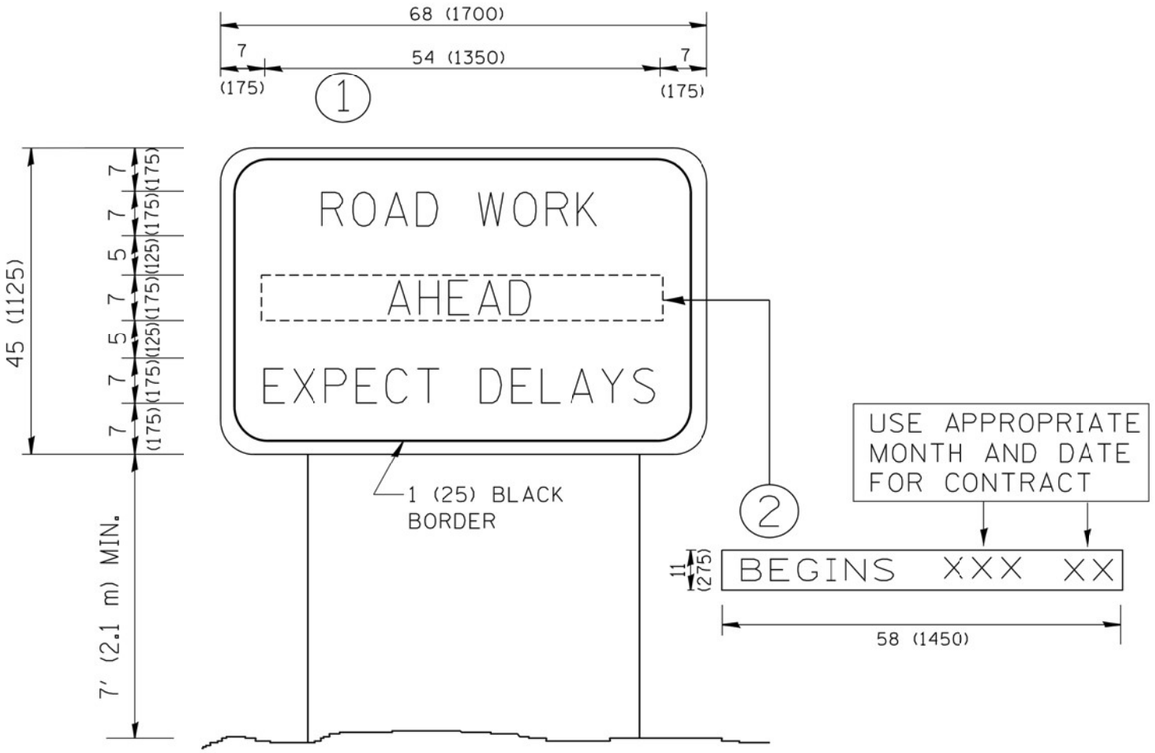
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	299
	TC-14	CONTRACT NO. 62T53		
	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD\Sheets\295_TRAFFIC CONTROL AND PROTECTION TURN BAYS.dgn



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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

USER NAME = $USER$	DESIGNED -	REVISED -	R. MIRS 09-15-97
	DRAWN -	REVISED -	R. MIRS 12-11-97
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	T. RAMMACHER 02-02-99
PLOT DATE = $DATE$	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2023 TRAFFIC 03	VARIOUS	300	300
	TC-22	CONTRACT NO. 62T53		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = K:\PROJECTS\Projects 2022\22-ESR3-510-Contracs Phase 3\CADD_Sheets\296_ARTERIAL ROAD INFORMATION SIGN.dgn