

07-31-2026 LETTING ITEM 084  
 FOR INDEX OF SHEETS, SEE SHEET NO. 2

**LOCATION A**  
 US ROUTE 30 - OLYMPIAN WAY TO ORCHARD DRIVE

**LOCATION B**  
 25TH AVENUE - IL ROUTE 64 TO ARMITAGE AVENUE

**LOCATION C**  
 GRAND AVENUE - NORTHWEST AVENUE TO WOLF ROAD  
 WOLF ROAD - GRAND AVENUE TO DIVERSEY AVENUE

**LOCATION D**  
 IL ROUTE 43 - 16TH STREET TO CERMAK ROAD  
 OAK PARK AVENUE - 16TH STREET TO 26TH STREET  
 26TH STREET - OAK PARK AVENUE TO HIGHLAND AVENUE

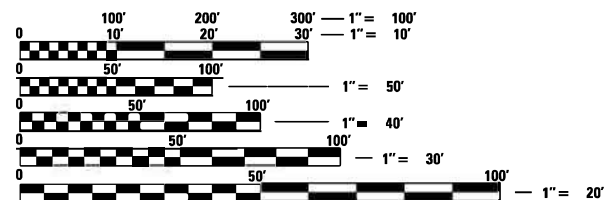
**TRAFFIC DATA**

**US ROUTE 30 (LOCATION A)**      **25TH AVENUE (LOCATION B)**  
 ADT (2021) = 28,800 VPD      ADT (2022) = 15,500 VPD  
 POSTED SPEED - 40 MPH      POSTED SPEED - 35 MPH

**GRAND AVENUE (LOCATION C)**      **WOLF ROAD (LOCATION C)**  
 ADT (2022) = 24,500 VPD      ADT (2022) = 10,800 VPD  
 POSTED SPEED - 35 MPH      POSTED SPEED - 30 MPH

**IL ROUTE 43 (LOCATION D)**      **OAK PARK AVENUE (LOCATION D)**  
 ADT (2021) = 32,700 VPD      ADT (2022) = 9,850 VPD  
 POSTED SPEED - 35 MPH      POSTED SPEED - 25 MPH

**26TH STREET (LOCATION D)**  
 ADT (2022) = 13,600 VPD  
 POSTED SPEED - 25 MPH



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

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

PROJECT ENGINEER: KAMIL KOBYLKA      847-705-4734  
 PROJECT MANAGER: JONATHAN LLOYD      847-705-4135

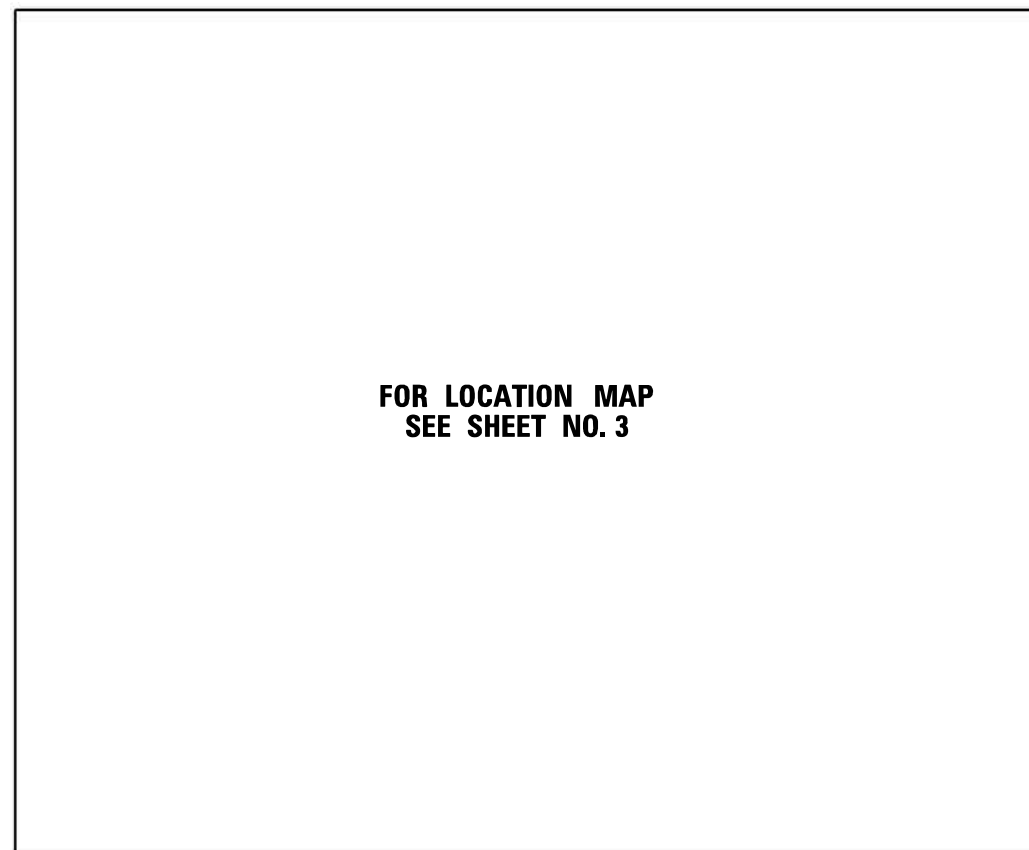
CONTRACT NO. 62W91

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PROPOSED  
 HIGHWAY PLANS**

VARIOUS ROUTES  
 SECTION 2024-966-TS  
 PROJECT CMAQ-9UJ3(864)  
 CMAQ TRAFFIC SIGNAL INTERCONNECT  
 COOK COUNTY

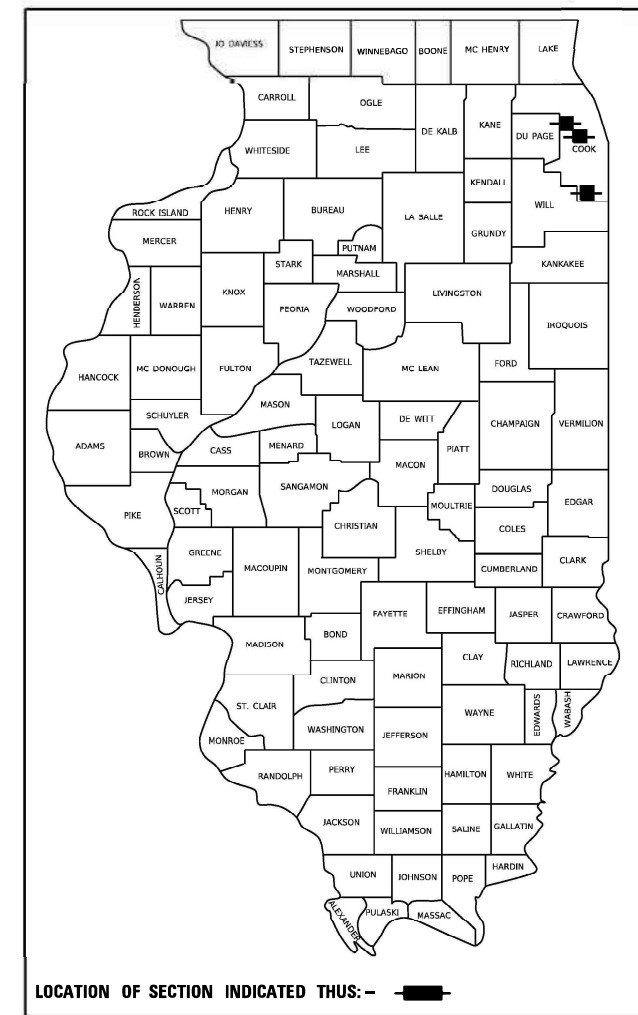
C-91-238-24



FOR LOCATION MAP  
 SEE SHEET NO. 3

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	1
		ILLINOIS	CONTRACT NO. 62W91	

D-91-197-24



LOCATION OF SECTION INDICATED THIS: - [black rectangle] -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 19 2026  
Jose Rojas JR  
 REGIONAL ENGINEER

June 26 2026  
[Signature]  
 ENGINEER OF DESIGN AND ENVIRONMENT

June 26 2026  
[Signature]  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

[Signature]  
 P. BRIEN FUNK II      DATE 3-23-2026  
 EXPIRES: 11-30-2027



## INDEX OF SHEETS

SHT NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3	LOCATION MAP
4-6	SUMMARY OF QUANTITIES
7-13	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)
14	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS (TS-02)

### LOCATION A: US ROUTE 30 (LINCOLN HWY) - OLYMPIAN WAY TO ORCHARD DR

15	US ROUTE 30 AND OLYMPIAN WAY CABLE PLAN
16	US ROUTE 30 AND ORCHARD DR CABLE PLAN
17-18	LOCATION A INTERCONNECT PLAN
19-20	LOCATION A INTERCONNECT SCHEMATIC

### LOCATION B: 25TH AVENUE - IL ROUTE 64 (NORTH AVE) TO ARMITAGE AVE

21	IL ROUTE 64 AND 25TH AVE CABLE PLAN
22	25TH AVE AND ARMITAGE AVE CABLE PLAN
23-24	LOCATION B INTERCONNECT PLAN
25	LOCATION B INTERCONNECT SCHEMATIC
26	LOCATION B FIBER SPLICING DIAGRAM AND CABINET DETAIL

### LOCATION C: GRAND AVE - NORTHWEST AVE TO WOLF RD; WOLF RD - GRAND AVE TO DIVERSEY AVE

27-28	GRAND AVE AND NORTHWEST AVE TRAFFIC SIGNAL AND CABLE PLAN
29-30	GRAND AVE AND WOLF RD TRAFFIC SIGNAL AND CABLE PLAN
31-32	WOLF RD AND DIVERSEY AVE TRAFFIC SIGNAL AND CABLE PLAN
33-35	LOCATION C INTERCONNECT PLAN
36	LOCATION C INTERCONNECT SCHEMATIC
37	LOCATION C FIBER SPLICING DIAGRAM AND CABINET DETAIL

### LOCATION D: IL ROUTE 43 (HARLEM AVE) - CERMAK RD TO 16TH ST; OAK PARK AVE - 26TH ST TO 16TH ST; 26TH ST - OAK PARK AVE TO HIGHLAND AVE

38	IL ROUTE 43 (HARLEM AVE) AND 16TH ST CABLE PLAN
39	IL ROUTE 43 (HARLEM AVE) AND CERMAK RD CABLE PLAN
40	OAK PARK AVE AND 16TH ST CABLE PLAN
41	OAK PARK AVE AND CERMAK RD CABLE PLAN
42	OAK PARK AVE AND RIVERSIDE DR CABLE PLAN
43-44	OAK PARK AVE AND 26TH ST TRAFFIC SIGNAL AND CABLE PLAN
45	26TH ST AND EAST AVE CABLE PLAN
46	26TH ST AND RIDGELAND AVE CABLE PLAN
47	26TH ST AND HIGHLAND AVE CABLE PLAN
48-54	LOCATION D INTERCONNECT PLAN
55	LOCATION D INTERCONNECT SCHEMATIC
56	LOCATION D FIBER SPLICING DIAGRAM
57-58	LOCATION D CABINET DETAIL
59	CAMERA MOUNTING DETAILS
60	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAY (TC-10) ARTERIAL ROAD INFORMATION SIGN (TC-22)

## IDOT HIGHWAY STANDARDS

STD NO.	TITLE
000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
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' (4.5m) TO 24" (600mm) 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
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
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
701901-11	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 AND BONDING
878001-11	CONCRETE FOUNDATION DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

## GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV 72 HOURS IN ADVANCE OF BEGINNING OF WORK.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING ANY MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- 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 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HRS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND RESIDENT ENGINEER PRIOR TO ORDERING MATERIALS.
- 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 DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.
- 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 BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION EQUAL TO THAT EXISTING BEFORE THE DAMAGE OCCURRED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE CARE TO PROTECT ALL SIGNS ALONG THE ROUTE OF CONSTRUCTION. SIGNS IN CONFLICT WITH PROPOSED WORK SHALL BE RELOCATED, IF APPROVED BY ENGINEER. ALL LABOR NECESSARY TO COMPLY WITH THE RELOCATION OF SIGNS SHALL BE INCLUDED IN THE CONTRACT WITHOUT EXTRA COMPENSATION ALLOWED TO THE CONTRACTOR ACCORDING TO ARTICLE 107.25, UNLESS MARKED ON PLANS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION.
- LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
- THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS.
- REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, AND ISLANDS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT PAY ITEMS.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN THE REQUIREMENT MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT PAY ITEMS.
- THE LOCATION OF THE PROPOSED CONDUIT SHOWN IN THE PLANS IS APPROXIMATE AND NOT DRAWN TO SCALE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MOWING AND BRUSH/SHRUB REMOVAL REQUIRED TO INSTALL THE PROPOSED CONDUIT AND HANDHOLES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF ALL AREAS AFFECTED BY THE EQUIPMENT AND LABORERS TO EXISTING CONDITIONS.
- THE CONTRACTOR SHALL PLAN AND CONDUCT CONDUIT AND FIBER INSTALLATION OPERATIONS TO MINIMIZE THE NUMBER OF ROADWAY LANE CLOSURES AND TO MINIMIZE TRAFFIC DISRUPTIONS AND DELAYS FOR THE MOTORING PUBLIC. THE CONTRACTOR SHALL OBTAIN ALL PERMITS ALONG STATE, COUNTY, AND TOWNSHIP ROADS.
- THE CONTRACTOR SHALL MINIMIZE THE IMPACT OF THE WORK BY UTILIZING OFF-ROAD OPERATIONS WHERE POSSIBLE.
- AT WORK AREAS THAT IMPACT PEDESTRIANS AND/OR SIDEWALK, STANDARD 701801 SHALL BE USED. CONTRACTOR SHALL MINIMIZE WORK AREAS AND DISRUPTION TO SIDEWALK WHEREVER POSSIBLE.
- THE CONTRACTOR SHALL COORDINATE WITH IDOT 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 ROD AND CLEANING 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 A DETERMINED BY THE ENGINEER BASED ON FIELD CONDITIONS.
- THE QUANTITY FOR TEMPORARY INFORMATION SIGNING IS FOR USE WITH DISTRICT DETAIL ARTERIAL ROAD INFORMATION SIGN (TC22). ONE SIGN IS TO BE USED FOR EACH END OF EACH INTERCONNECT CORRIDOR, MAIN ROUTE, OR ZONE.
- ALL EXISTING R.O.W. SHOWN IS APPROXIMATE AND MAY NEED TO BE VERIFIED IN THE FILED. ANY R.O.W. CONFLICTS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER. ALL PROPOSED WORK SHALL TAKE PLACE WITHIN THE EXISTING R.O.W. WITHIN THE EXISTING FACILITIES INCLUDING HANDHOLES, CONDUITS, OR TRAFFIC SIGNAL CABINETS.
- THESE PLANS USE EXISTING RECORD DRAWINGS AS A BACKGROUND FOR PROPOSED PLAN. CONTRACTOR SHALL USE CARE IN CORRECTLY DISTINGUISHING PROPOSED WORK.
- THE WORK IN THIS CONTRACT IS LIMITED TO INSTALLATION OF HANDHOLES, CONDUIT, TRACER CABLE, PTZ CAMERAS, NETWORK SWITCHES, CONTROLLERS, FIBER OPTIC CABLE AND ANY OTHER COMPONENTS SPECIFIED IN THE SCHEDULE OF QUANTITIES. PREVIOUSLY PROPOSED WORK MAY BE PRESENT ON THE RECORD DRAWINGS. WORK SHALL ONLY INCLUDE WHAT IS SPECIFIED IN THE SCHEDULE OF QUANTITIES.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED AT LOCATIONS WHERE ROADWAY HAZARDS WITHIN THE WORK ZONE WILL REMAIN OVERNIGHT.
- REVISED CABINET WIRING DIAGRAMS SHALL BE SUBMITTED WHENEVER ANY WIRING MODIFICATIONS ARE MADE TO THE TRAFFIC SIGNAL CABINET.
- FIBER OPTIC PIGTAIL BETWEEN HANDHOLE AND END DEVICE SHALL BE 24 SINGLE MODE FIBER. FIBER OPTIC PIGTAIL SHALL BE SPLICED AND TERMINATED AS SHOWN ON THE FIBER SPLICING DIAGRAM.
- FIBER OPTIC INTERCONNECT CENTER SHALL BE INSTALLED SUCH THAT THE CABINET DOOR DOES NOT CLOSE ON THE FIBER PIGTAILS AND/OR PATCH CORDS. PROVIDE SUFFICIENT SPACE AND ADJUST CABINET SHELF AS NEEDED.

MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS - INC\Systems - Midwest - Chicago Construction\IDOT - PBE\_204-010.D1\_APS\_PROJECT\_MANAGEMENT\112369 - IVO\_11 - Various Interconnect\CADD\Sheets\01627\01\_Index & Notes.dwg



USER NAME = bfunck	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - AG	REVISED -
PLOT DATE = 6/18/2026	DATE - 6/18/26	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	2
			CONTRACT NO. 62W91	
		ILLINOIS	FED. AID PROJECT	

REV-SEP

**LOCATION MAP**



**SUMMARY OF LOCATIONS**

NO.	SHEET	SYSTEM	INTERSECTION/INTERCONNECT
A	15	ECON 53 & 54	US ROUTE 30 - OLYMPIAN WAY TO ORCHARD DRIVE
B	21	ECON 100	25TH AVENUE - IL ROUTE 64 TO ARMITAGE AVENUE
C	27	CENTRACS 244	GRAND AVENUE - NORTHWEST AVENUE TO WOLF ROAD WOLF ROAD - GRAND AVENUE TO DIVERSEY AVENUE
D	38	CENTRACS 30	IL ROUTE 43 - 16TH STREET TO CERMAK ROAD OAK PARK AVENUE - 16TH STREET TO 26TH STREET 26TH STREET - OAK PARK AVENUE TO HIGHLAND AVENUE

**RED LIGHT RUNNING (RLR) NOTES**

DUE TO THE PRESENCE OF RED LIGHT RUNNING (RLR) CAMERA AT THE BELOW LISTED LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY AND RLR CAMERA COMPANY PRIOR TO THE START OF CONSTRUCTION. THE MUNICIPALITY OR RLR CAMERA COMPANY SHALL MAKE THE CAMERA INOPERATIVE FOR THE DURATION 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:**

US ROUTE 30 (LINCOLN HWY) AT ORCHARD DRIVE (TS1395)

VILLAGE OF OLYMPIA FIELDS      RED FLEX (VERRA MOBILITY)  
 20040 GOVERNORS HIGHWAY      5651 W TALAVI BLVD, STE 200  
 OLYMPIA FIELDS, IL 60461      GLENDALE, AZ 85306  
 708-503-8000      630-453-1209

IL ROUTE 43 (HARLEM AVE) AT CERMAK ROAD (TS2280)

CITY OF BERWYN      SAFESPEED, LLC.  
 6700 W 30TH STREET      150 N WACKER DR  
 BERWYN, IL 60402      CHICAGO, IL 60606  
 708-749-4700      312-522-7304

26TH STREET AT EAST AVENUE (TS7920)

CITY OF BERWYN      RED SPEED, LLC.  
 6700 W 30TH STREET      400 EISENHOWER LANE  
 BERWYN, IL 60402      LOMBARD, IL 60148  
 708-749-4700      630-317-5705



MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\BIDDOT\_PFB\_204\010\_D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0\_11 - Various Interconnect\CADD\Sheets\0162\W91\_Location.dgn



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP  
 RED LIGHT RUNNING NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	3
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

MODEL Path: \\c:\share\project\iteris\inc\systems - Midwest - Chicago Construction\DOT\_PFB\_204-0101\_D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0\_11 - Various Interconnect\CADD\Sheets\0162\091\_Quantities.dgn  
 FILE NAME: C:\Share\project\iteris\inc\systems - Midwest - Chicago Construction\DOT\_PFB\_204-0101\_D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0\_11 - Various Interconnect\CADD\Sheets\0162\091\_Quantities.dgn

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	
				INTERCONNECT	
				0021 URBAN	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	83	83	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	9627	9627	
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	522	522	
81300320	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 8" X 8" X 6"	EACH	2	2	

\* SPECIALTY ITEM



USER NAME = bfunck	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - AG	REVISED -
PLOT DATE = 6/18/2026	DATE - 6/18/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	4
			CONTRACT NO. 62W91	
		ILLINOIS	FED. AID PROJECT	

MODEL: D:\default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\DOT\_PFB\_204-0101.D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0\_11 - Various Interconnect\CADD\Sheets\0162\W91\_Quantities.dgn

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				80% FED 20% STATE
				INTERCONNECT
				0021 URBAN
81300680	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 14" X 16" X 20"	EACH	10	10
81400100	HANDHOLE	EACH	22	22
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	17	17
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	22911	22911
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	6904	6904
87900200	DRILL EXISTING HANDHOLE	EACH	21	21
88500100	INDUCTIVE LOOP DETECTOR	EACH	21	21
88600100	DETECTOR LOOP, TYPE I	FOOT	81	81
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	3	3
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	8	8
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	4710	4710
X0325922	CELLULAR MODEM	EACH	1	1
X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	503	503
X1400217	TERMINATE FIBER IN CABINET	EACH	12	12
X1400221	UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1	1
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12



USER NAME = bfunk  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 6/18/2026

DESIGNED - BF  
 DRAWN - BF  
 CHECKED - AG  
 DATE - 6/18/26

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	5
			CONTRACT NO. 62W91	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\DOT\_PFB\_204-0101.D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0\_11 - Various Interconnect\CADD\Sheets\0162\091\_Quantities.dgn

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE INTERCONNECT 0021 URBAN	
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	359.8	359.8	
X8101099	UNDERGROUND CONDUIT, MULTI-DUCT, 3 WAY - 22MM (2), 1.25 SDR 11 (1) MICRODUCTS	FOOT	7076	7076	
X8101308	UNDERGROUND CONDUIT, SINGLE MICRODUCT, 1" DIA.	FOOT	1960	1960	
X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	2	2	
X8570224	FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	5	5	
X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	5	5	
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3635	3635	
X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	23811	23811	
X8710049	POWER OVER ETHERNET EXTENDER	EACH	1	1	
X8710070	FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	10	10	
X8710106	NETWORK SWITCH, ACCESS	EACH	10	10	
X8710317	SPLICE FIBER IN CABINET	EACH	24	24	
X8891104	REMOTE CONTROLLED VIDEO SYSTEM	EACH	3	3	
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	1	1	
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	1	
Ø Z0076600	TRAINEES	HOUR	500	500	
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	4	4	
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500	

Ø 0042



USER NAME = bfunk
PLOT SCALE = 100,0000 ' / in.
PLOT DATE = 6/18/2026

DESIGNED - BF	REVISIED -
DRAWN - BF	REVISIED -
CHECKED - AG	REVISIED -
DATE - 6/18/26	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	6
			CONTRACT NO. 62W91	
		ILLINOIS	FED. AID PROJECT	

# TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
TRAFFIC SIGNAL CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS		
UNINTERRUPTIBLE POWER SUPPLY			DOUBLE HANDHOLE			SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
MASTER CONTROLLER			JUNCTION BOX			ILLUMINATED LED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
MASTER MASTER CONTROLLER			RAILROAD CROSSING GATE			ELECTRIC CABLE, SIGNAL, NO. 14 - 2/C, 3/C, 5/C, 7/C		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD CROSSBUCK			ELECTRIC CABLE, LEAD-IN, NO. 14, 1 PAIR		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CONTROLLER BUNGALOW			SERVICE CABLE, 2/C - NO. 2, NO. 4, NO. 6	  	  
CELLULAR MODEM			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			GROUND CABLE NO. 6 SOLID COPPER (GREEN), 1/C		
TELEPHONE CONNECTION			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			ELECTRIC CABLE, TRACER, NO. 14, 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			SYSTEM ITEM	S	SP	ELECTRIC CABLE, RAILROAD, NO. 14, 3/C		
ALUMINUM MAST ARM ASSEMBLY AND POLE			INTERSECTION ITEM	I	IP	ELECTRIC CABLE, STREET NAME SIGN NO. 14, 3/C, TYPE SOOW		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			REMOVAL ITEM		R	VENDOR CABLE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			RELOCATE ITEM		RL	EMERGENCY VEHICLE PRIORITY LINE SENSOR CABLE, NO. 20, 3/C		
WOOD POLE			ABANDON ITEM		A	OUTDOOR RATED NETWORK CABLE	    	    
GUY WIRE			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF	FIBER OPTIC CABLE -12F: 12 MULTIMODE -24F: 12 MULTIMODE / 12 SINGLE MODE -36F: 12 MULTIMODE / 24 SINGLE MODE -24SM: 24 SINGLE MODE -48SM: 48 SINGLE MODE		
SIGNAL HEAD			MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	   	   
SIGNAL HEAD WITH BACKPLATE			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
SIGNAL HEAD - PROGRAMMABLE			DETECTOR LOOP, TYPE I					
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	PREFORMED DETECTOR LOOP					
PEDESTRIAN SIGNAL HEAD			WIRELESS DETECTOR SENSOR					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON								
RADAR DETECTION SENSOR								
VIDEO DETECTION CAMERA								
RADAR/VIDEO DETECTION ZONE								
PAN, TILT, ZOOM (PTZ) CAMERA								
EMERGENCY VEHICLE LIGHT DETECTOR								
CONFIRMATION BEACON								
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								
WIRELESS ACCESS POINT								

MODEL: TS-01a (Sheet)  
FILE NAME: c:\p\work\visio\lawrence.demanche\illinois\0951416\TS-01.dgn

USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = \$\$CALE\$\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/15/2025	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

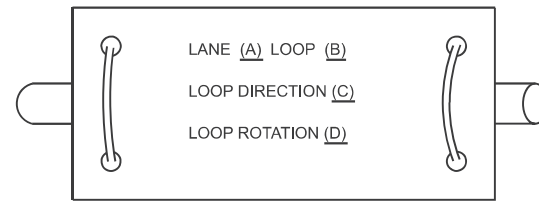
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE    SHEET 1 OF 7 SHEETS    STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			60	7
<b>TS-01</b>			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

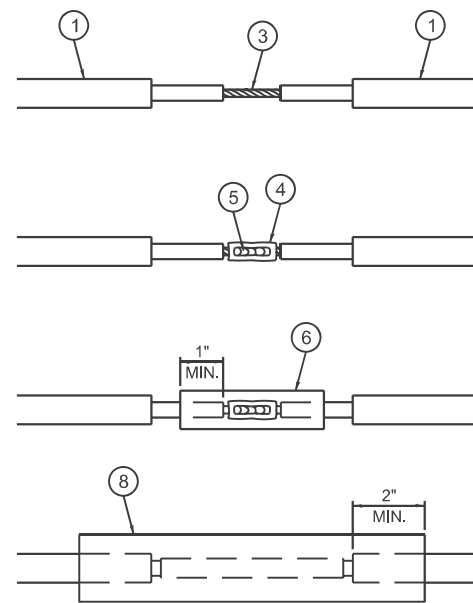
**DETECTOR LOOP NOTES:**

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. 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.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES 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" APART.
9. 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.
10. PREFORMED DETECTOR LOOPS SHALL BE USED 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.



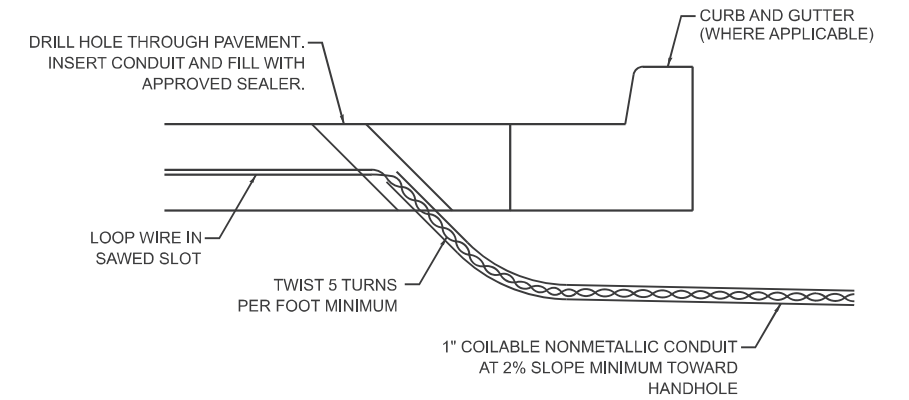
- A. LANE #1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

**DETECTOR LOOP LEAD-IN CABLE TAG**

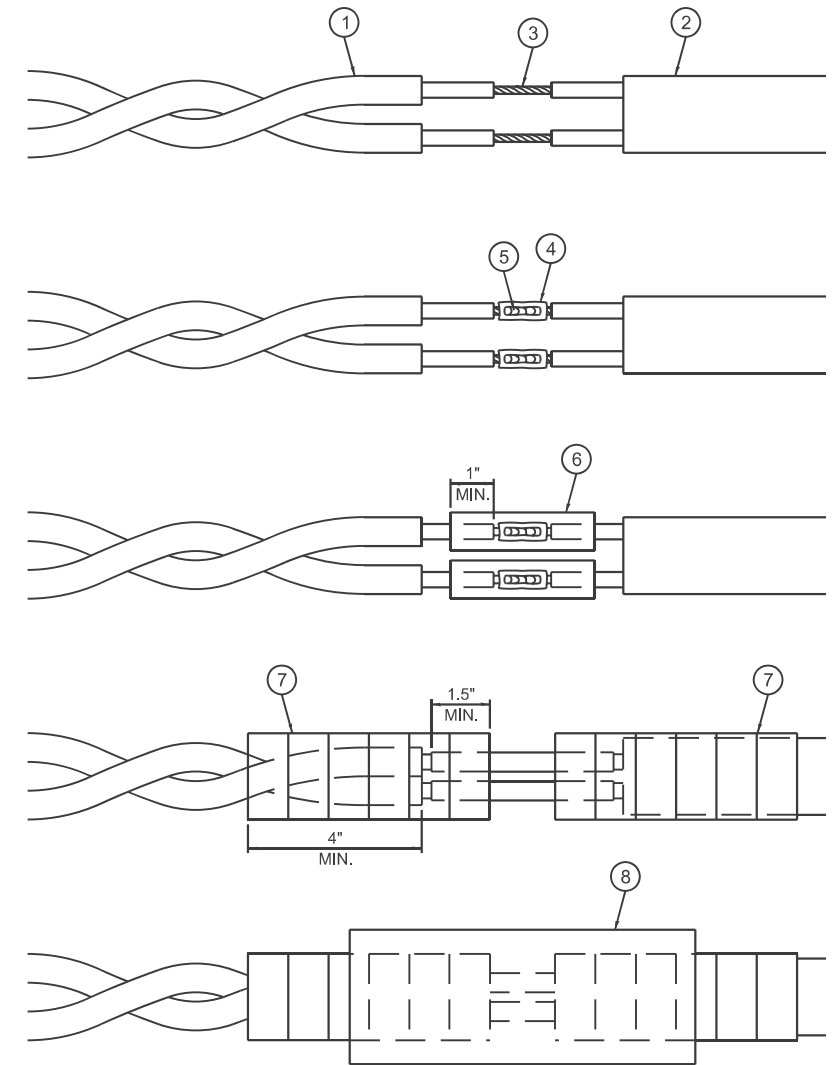


**LOOP-TO-LOOP SPLICE DETAIL**

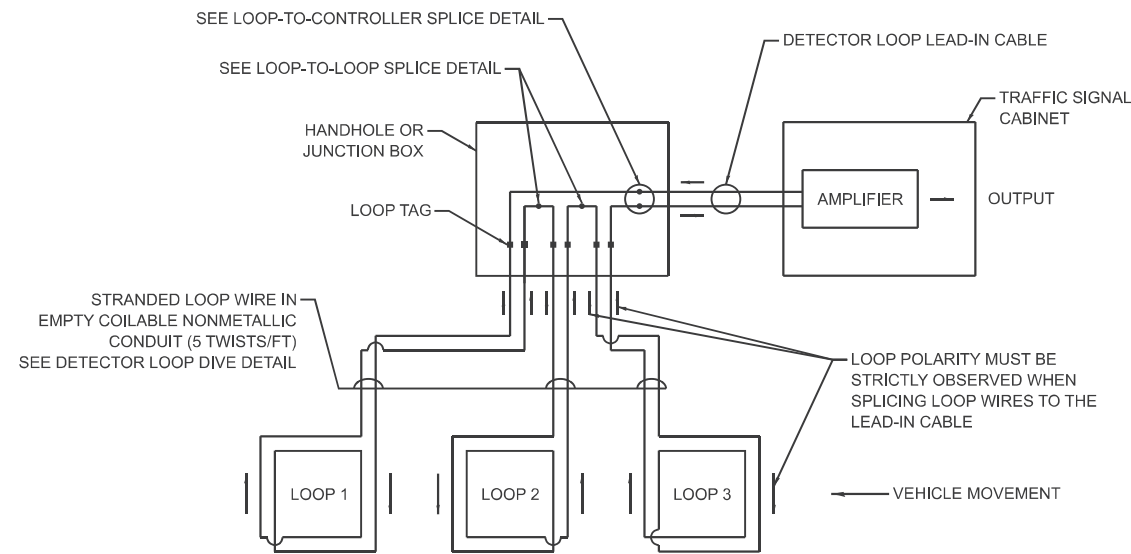
- 1 DETECTOR LOOP CABLE.
- 2 DETECTOR LOOP LEAD-IN CABLE
- 3 BARE CONDUCTORS TWISTED TOGETHER.
- 4 BUTT SPLICE CRIMP CONNECTOR.
- 5 SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
- 6 WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, UNDERWATER GRADE.
- 7 SELF-INFUSED, SILICONE ELECTRICAL TAPE TIGHTLY WRAPPED AROUND CABLES.
- 8 WCS 200/750 HEAT SHRINK TUBE, 8" MINIMUM LENGTH, UNDERWATER GRADE.



**DETECTOR LOOP DIVE DETAIL**



**LOOP-TO-CONTROLLER SPLICE DETAIL**



**DETECTOR LOOP WIRING SCHEMATIC**

MODEL: TS-01b (Sheet)  
FILE NAME: c:\p\work\project\lawrence.demanche\illinois\rev\0951416\TS-01.dgn

USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

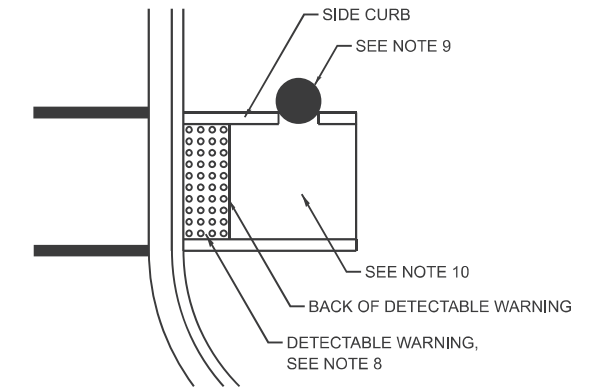
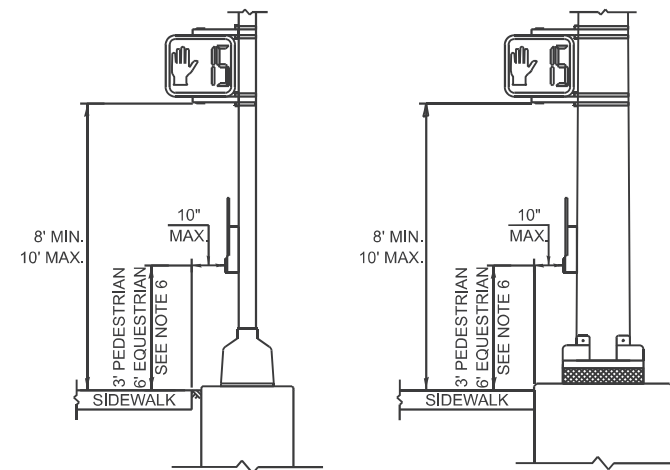
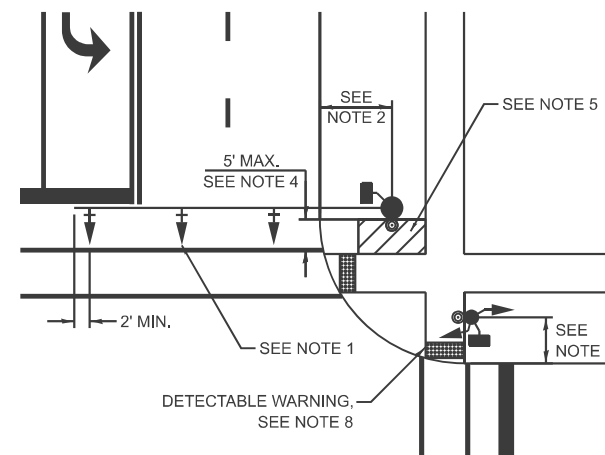
SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			60	8
<b>TS-01</b>			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

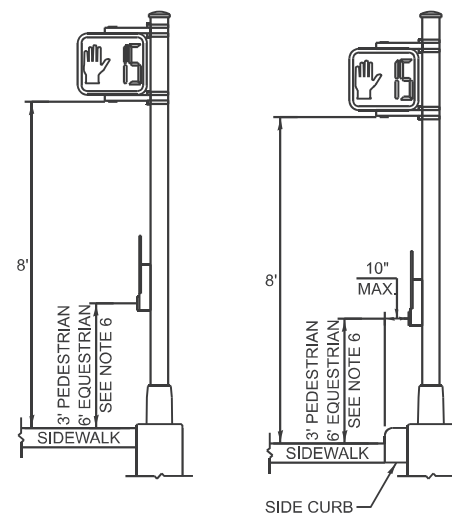
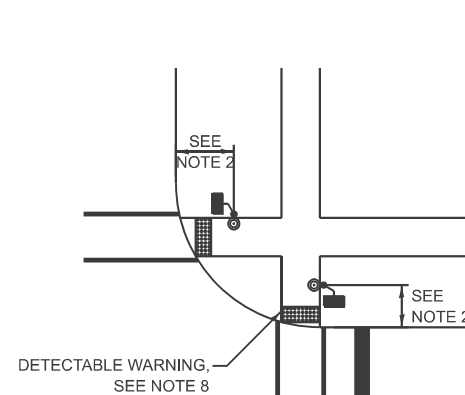
**NOTES:**

1. THE MAST ARM MOUNTED SIGNAL HEADS SHALL BE CENTERED ON THE LANES OR AS SHOWN ON THE TRAFFIC SIGNAL PLANS.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS TABLE.
3. A 4' MINIMUM UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE SHALL BE MAINTAINED.
4. THE PUSH-BUTTON SHALL BE LOCATED 5' OR LESS FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION FOR THE CROSSWALK THAT THE PUSH-BUTTON CONTROLS.
5. IF THE MAST ARM POLE OR SIGNAL POST WHERE THE PUSH-BUTTON IS TO BE INSTALLED IS NOT IMMEDIATELY ADJACENT TO THE SIDEWALK, PROVIDE A FIRM, STABLE, AND SLIP RESISTANT SURFACE UP TO THE MAST ARM POLE OR SIGNAL POST. THE MINIMUM PAVED AREA IN FRONT OF THE PUSH-BUTTON SHALL BE 2.5' X 4'. IF THIS DOES NOT MEET THE REQUIREMENT STATED IN NOTE 3, A SEPARATE PEDESTRIAN SIGNAL POST SHALL BE INSTALLED TO PLACE THE PUSH-BUTTON ADJACENT TO THE SIDEWALK SURFACE.
6. THE HEIGHT OF THE PEDESTRIAN PUSH-BUTTON SHALL BE 36". IF APPROVED BY THE AREA TRAFFIC SIGNAL ENGINEER, THE PUSH-BUTTON MAY BE LOCATED AT A HEIGHT BETWEEN 30" AND 42". THE HEIGHT OF THE EQUESTRIAN PUSH-BUTTON SHALL BE 72" OR AS DIRECTED BY THE ENGINEER.
7. THE FACE OF THE PUSH-BUTTON SHALL BE PARALLEL TO THE CROSSWALK IT CONTROLS.
8. THE PUSH-BUTTON SHALL BE LOCATED BEHIND THE DETECTABLE WARNING.
9. WHERE A PUSH-BUTTON IS BEING INSTALLED ON A MAST ARM POLE OR SIGNAL POST ADJACENT TO THE PEDESTRIAN ACCESS ROUTE, THE PROPOSED FOUNDATION SHALL BE INSTALLED WITHIN THE SIDE CURB IN ORDER TO MEET THE 10" REACH REQUIREMENT.
10. THE SIDEWALK PANEL IN FRONT OF THE PUSH-BUTTON SHALL HAVE A SLOPE LESS THAN 5%.
11. WHERE TWO PEDESTRIAN PUSH-BUTTONS ARE PROVIDED ON THE SAME CORNER, THEY SHALL BE 10' OR MORE APART. EXCEPTION: IN ALTERATIONS WHERE TECHNICALLY INFEASIBLE TO PROVIDE 10' SEPARATION BETWEEN PUSH-BUTTONS ON THE SAME CORNER.
12. CORRESPONDING PEDESTRIAN EQUIPMENT (SIGNAL HEAD AND PUSH-BUTTON) SHALL BE INSTALLED ON THE SAME POST CLOSEST TO THE CROSSWALK IT CONTROLS.
13. PEDESTRIAN SIGNAL HEADS INSTALLED ON MAST ARM POLES OR SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' OR MORE THAN 10' ABOVE SIDEWALK LEVEL. PEDESTRIAN SIGNAL HEADS INSTALLED ON PEDESTRIAN SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' ABOVE SIDEWALK LEVEL. THE PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
14. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

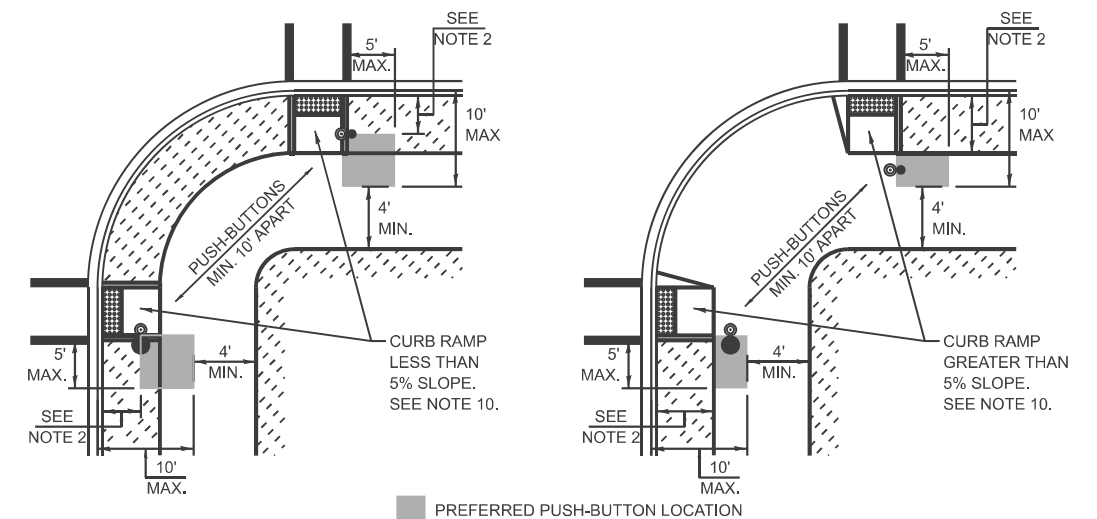
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**



**PEDESTRIAN SIGNAL POST**



**PUSH-BUTTON LOCATIONS**



TRAFFIC SIGNAL EQUIPMENT	BARRIER CURB (MINIMUM DISTANCE FROM THE BACK OF CURB TO THE CENTER OF THE FOUNDATION)	SHOULDER / NON-BARRIER CURB (MINIMUM DISTANCE FROM THE EDGE LINE OF THE RIGHT-MOST LANE TO THE CENTER OF THE FOUNDATION)
MAST ARM ASSEMBLY AND POLE	6'	SHOULDER WIDTH + 2', MINIMUM 10'
SIGNAL POST	4'	SHOULDER WIDTH + 2', MINIMUM 10'
PEDESTRIAN SIGNAL POST	4'	4' - SEE NOTE 2
TEMPORARY WOOD POLE	6'	SHOULDER WIDTH + 2', MINIMUM 10'
TRAFFIC SIGNAL CABINET	6' - SEE NOTE 3	SHOULDER WIDTH + 6', MINIMUM 16' - SEE NOTE 3
SERVICE CABINET	6' - SEE NOTE 3	SHOULDER WIDTH + 6', MINIMUM 16' - SEE NOTE 3

**TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS**

**NOTES:**

1. CONTACT THE AREA TRAFFIC SIGNAL ENGINEER FOR ASSISTANCE LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS AND THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF THE DETECTABLE WARNING.
3. MINIMUM DISTANCE TO THE 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" TABLE AND THE TRAFFIC SIGNAL PLAN COULD AFFECT THE PLACEMENT OF THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND THE PEDESTRIAN PUSH-BUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THESE REQUIREMENTS. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

MODEL: TS-01c (Sheet)  
FILE NAME: c:\p\work\ivvicol\lawrence.demanche\illinois\rev0951416\TS-01.dgn

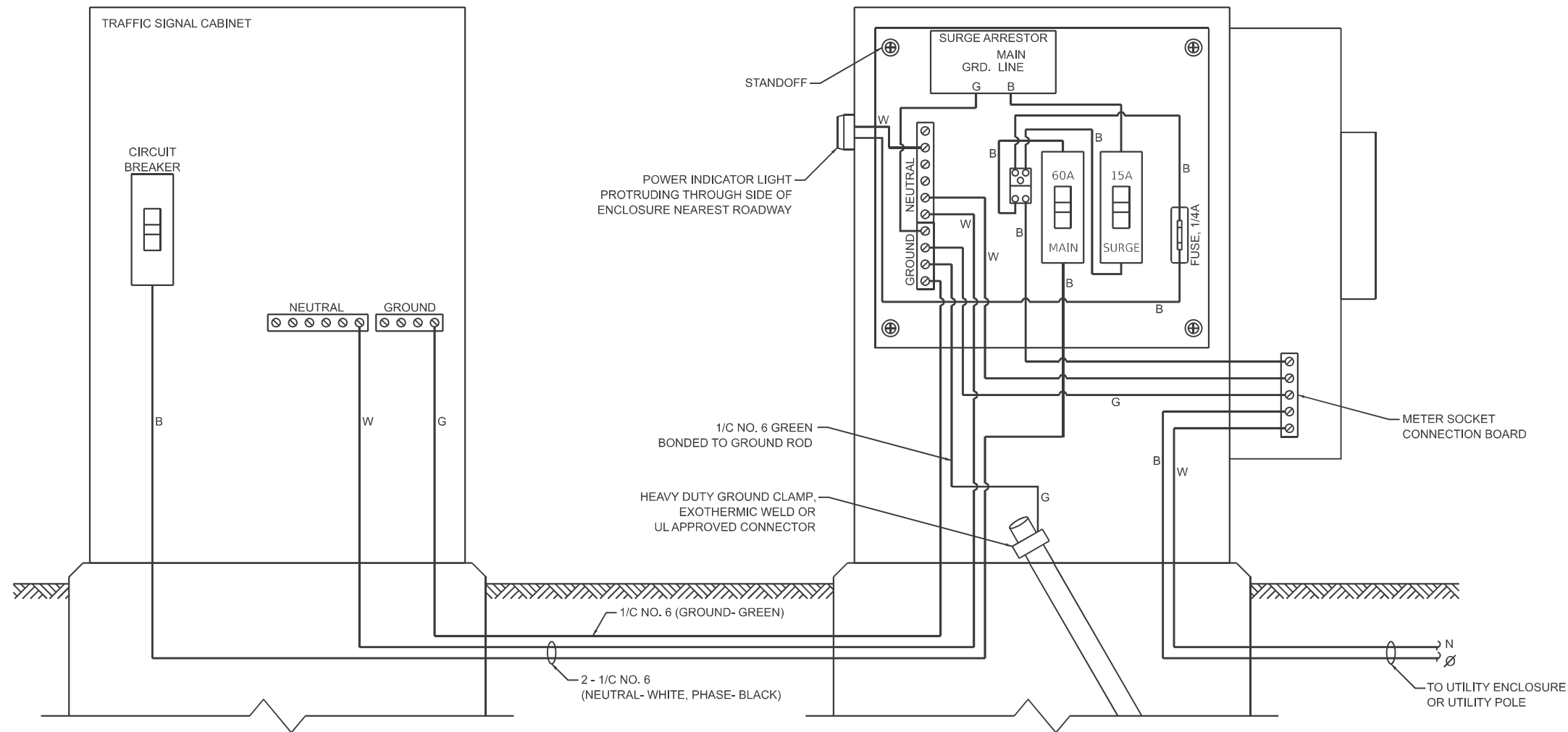
USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = \$\$CALE\$\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

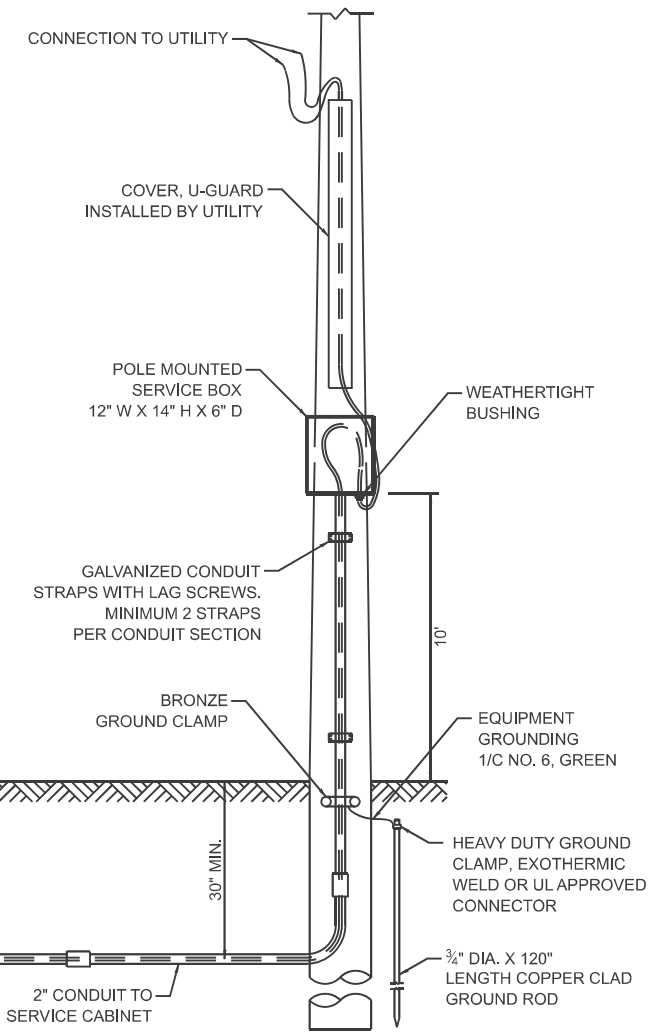
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			60	9
TS-01			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



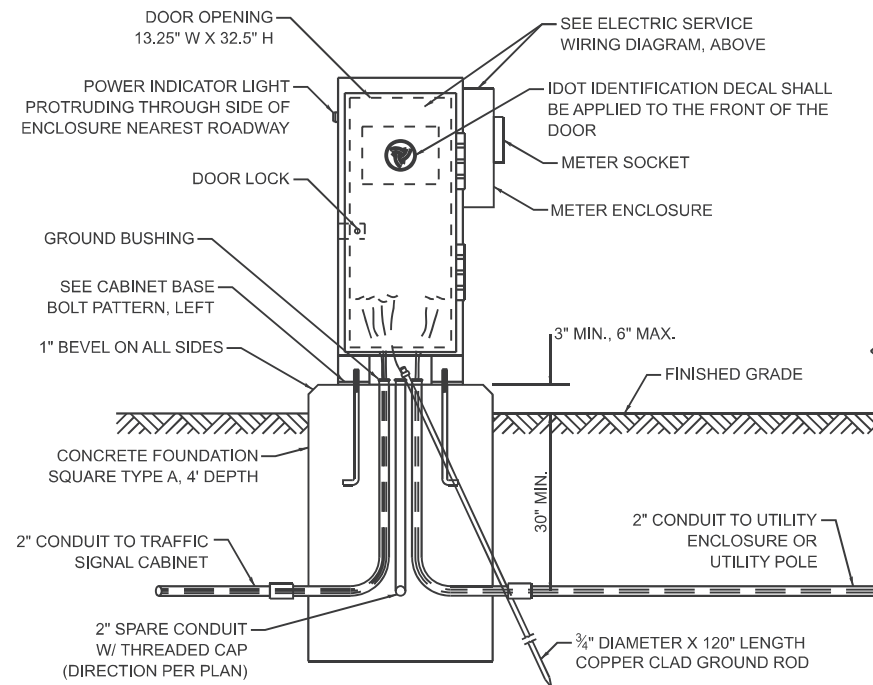
**ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET**

**NOTES:**

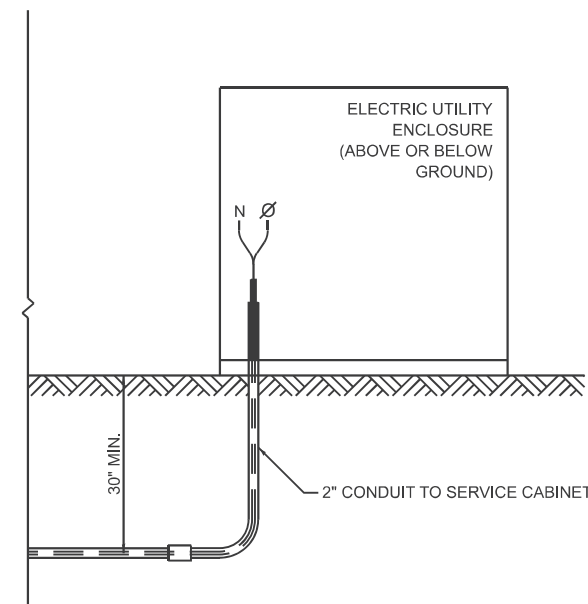
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
4. THE METER SOCKET IS TO BE PROVIDED BY THE CONTRACTOR. THE METER IS TO BE PROVIDED BY THE UTILITY COMPANY.



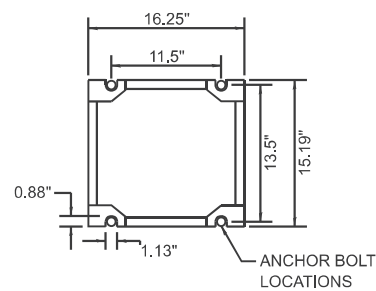
**CONNECTION TO UTILITY POLE**



**SERVICE INSTALLATION - GROUND MOUNTED WITH METER**



**CONNECTION TO UTILITY ENCLOSURE**



**CABINET BASE BOLT PATTERN**

MODEL: TS-01d (Sheet) FILE NAME: c:\p\work\ts01d\lawrence.demanche\illinois.rev0951416\TS-01.dgn

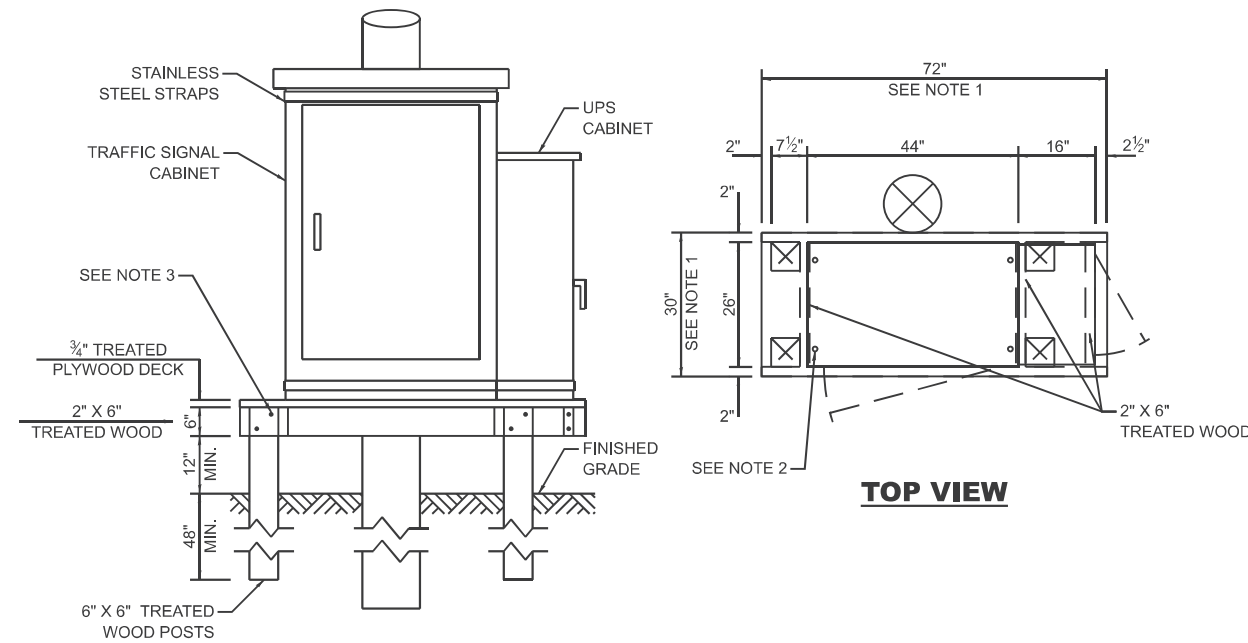
USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			60	10
<b>TS-01</b>			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. THE PLATFORM SIZE IS BASED ON A TRAFFIC SIGNAL CABINET TYPE IV WITH BASE DIMENSIONS OF 26" X 44" AND UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" X 25". ADJUST THE PLATFORM SIZE TO FIT THE BASE DIMENSIONS OF THE CABINET SUPPLIED.
2. DRILLED HOLES THROUGH THE PLATFORM ARE TO MATCH THE TRAFFIC SIGNAL CABINET BOLT TEMPLATE. THE CABINET SHALL BE FASTENED TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS, AND NUTS.
3. ALL WOOD SUPPORT FRAMING SHALL BE FASTENED TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

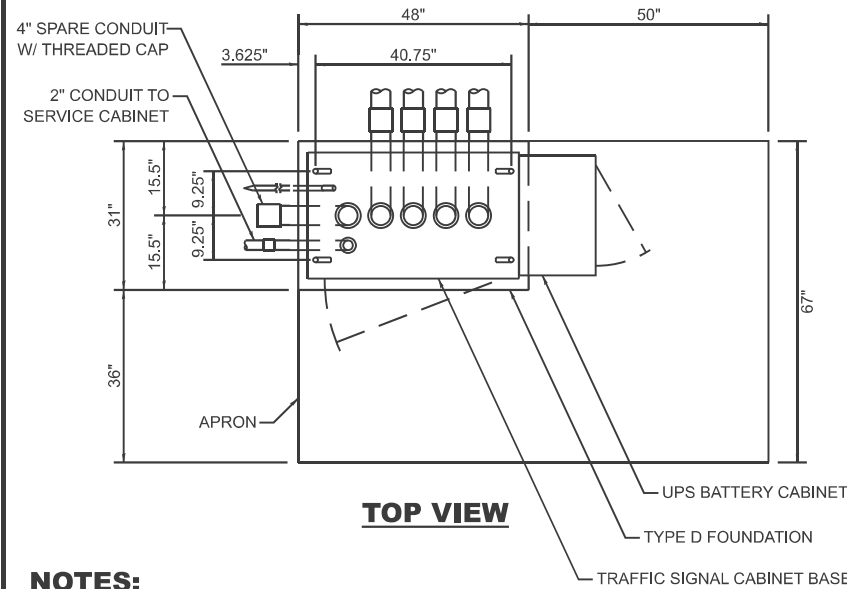
**TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM**

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
LESS THAN 30'	10'	30"	24"	8	#6
GREATER THAN OR EQUAL TO 30' AND LESS THAN 40'	13.5'	30"	24"	8	#6
	11'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 40' AND LESS THAN 50'	13'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 50' AND UP TO 55'	15'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 56' AND LESS THAN 65'	21'	42"	36"	16	#8
GREATER THAN OR EQUAL TO 65' AND UP TO 75'	25'	42"	36"	16	#8

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

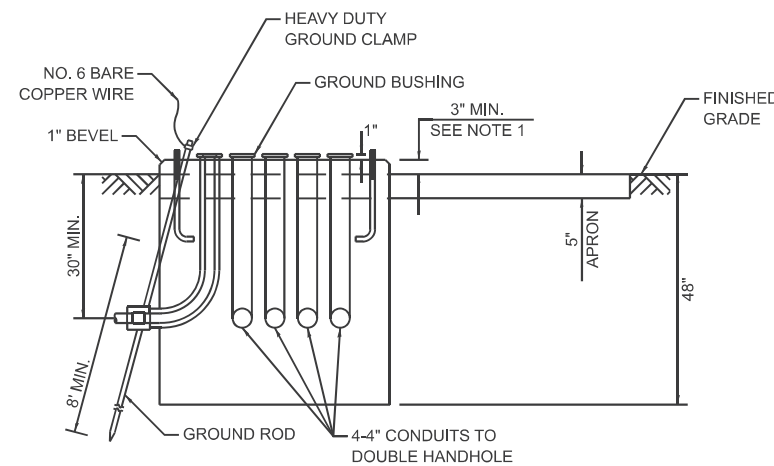
**TYPE E FOUNDATION NOTES:**

1. FOR STANDARD AND COMBINATION MAST ARM ASSEMBLIES. FOUNDATION DEPTHS FOR STANDARD DUAL MAST ARMS WITH THE LONGEST ARM LENGTH UP TO AND INCLUDING 55' SHALL BE INCREASE BY 1' OF THAT SHOWN IN THE TABLE, BASED ON THE LONGER OF THE TWO ARMS.
2. SEE STATE STANDARD 878001 CONCRETE FOUNDATION DETAILS FOR MORE INFORMATION.

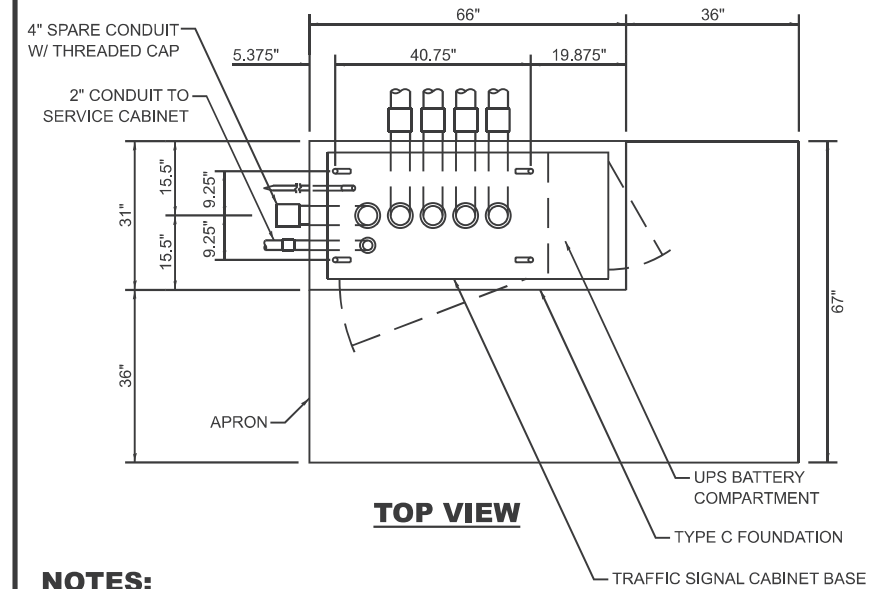


**NOTES:**

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.

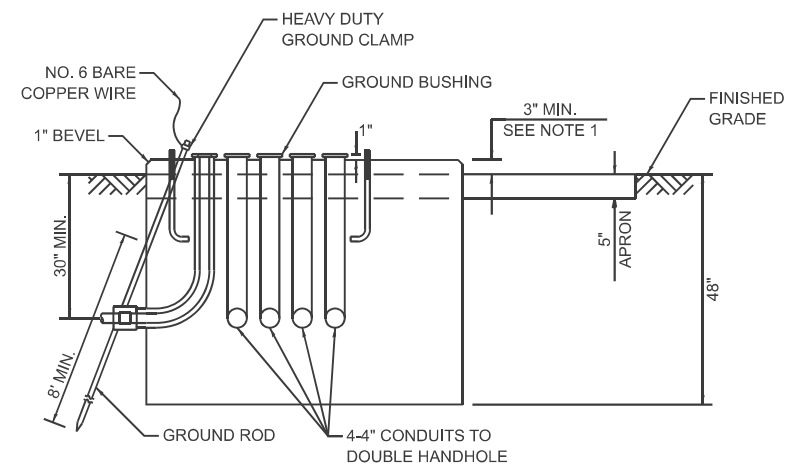


**TYPE D FOUNDATION TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET**



**NOTES:**

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



**TYPE C FOUNDATION SUPER P AND SUPER R TRAFFIC SIGNAL CABINETS**

FOUNDATION	DEPTH
TYPE A - SIGNAL POST, SERVICE CABINET	4'
TYPE C - TRAFFIC SIGNAL CABINET WITH UPS	4'
TYPE D - TRAFFIC SIGNAL CABINET	4'

**DEPTH OF FOUNDATIONS TYPES A, C & D**

VERTICAL CABLE	LENGTH
MAST ARM MOUNTED SIGNAL HEAD (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20'+L
BRACKET MOUNTED SIGNAL HEAD (MAST ARM POLE OR SIGNAL POLE)	13'
PEDESTRIAN SIGNAL HEAD	10'
PEDESTRIAN PUSH BUTTON	6'
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5'
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5'
SERVICE INSTALLATION GROUND MOUNT	6'
FOUNDATION (SIGNAL POST, MAST ARM, TRAFFIC SIGNAL CABINET, SERVICE CABINET)	3'

**VERTICAL CABLE LENGTH**

CABLE SLACK	LENGTH
HANDHOLE	6.5'
DOUBLE HANDHOLE	13'
SIGNAL POST	2'
MAST ARM	2'
TRAFFIC SIGNAL CABINET OR SERVICE CABINET	1.5'
FIBER OPTIC CABLE AT TRAFFIC SIGNAL CABINET	13'
GROUND CABLE AT SIGNAL POST, MAST ARM, OR CABINET	1.5'
GROUND CABLE AT HANDHOLE OR DOUBLE HANDHOLE	6.5'
GROUND CABLE BETWEEN HANDHOLE FRAME AND COVER	5'

**CABLE SLACK LENGTH**

MODEL: TS-01e (Sheet) FILE NAME: c:\pwworking\illinois.demanche\0951416\TS-01.dgn

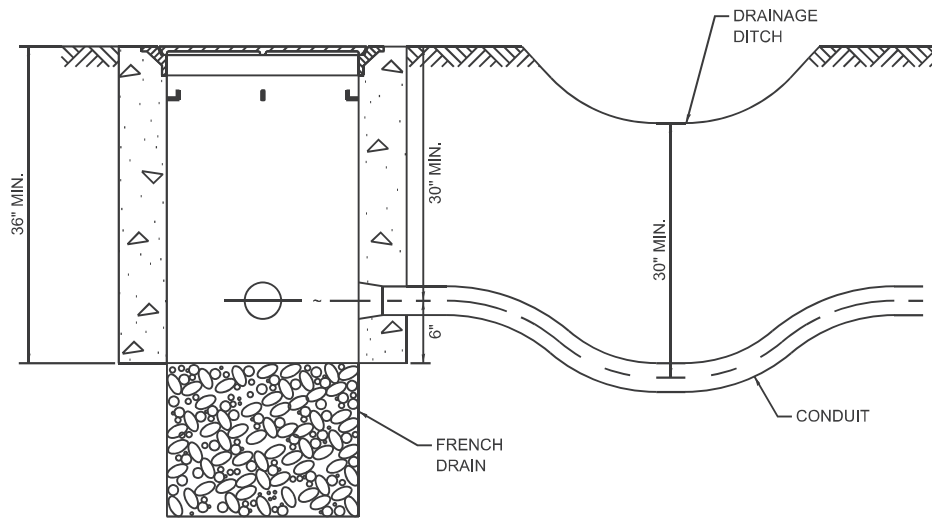
USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

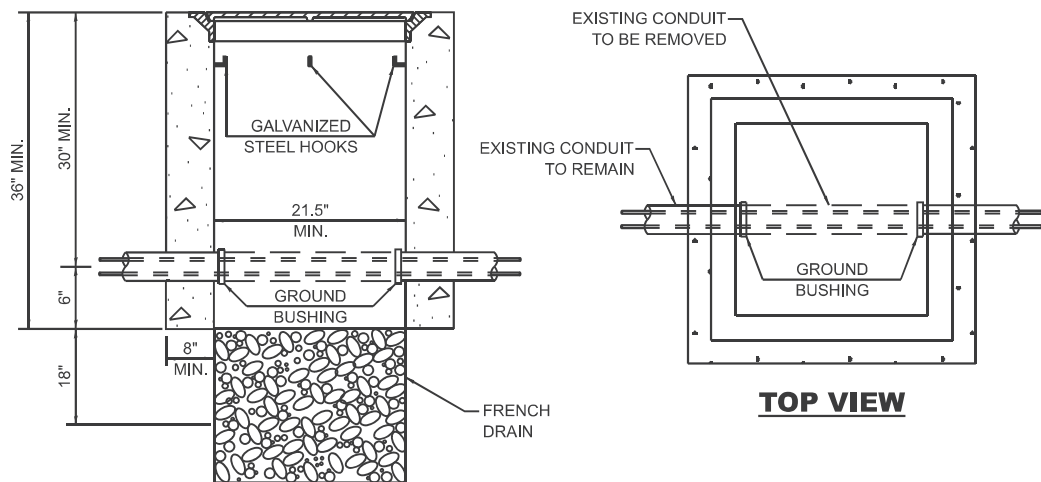
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			60	11
TS-01			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. THE CONDUIT DEPTH SHALL BE A MINIMUM OF 30" 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.

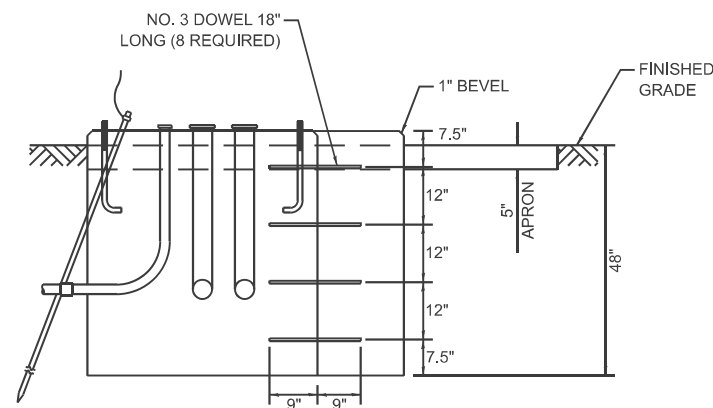
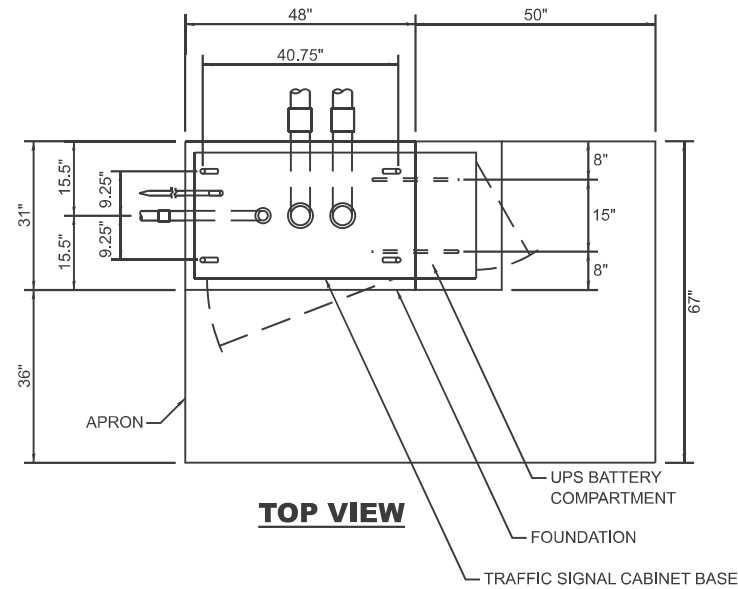
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**



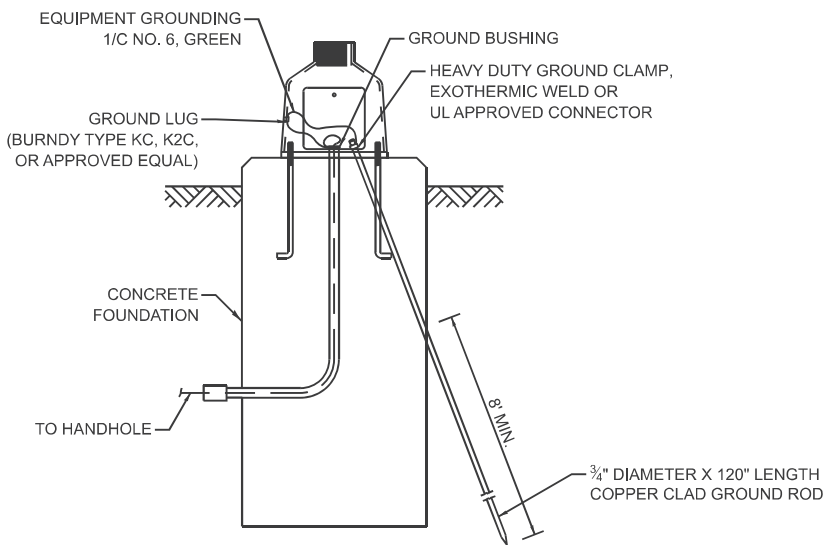
**NOTES:**

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.

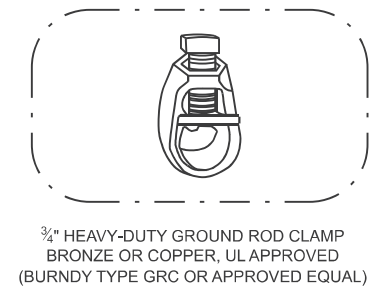
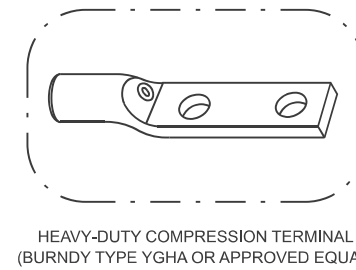
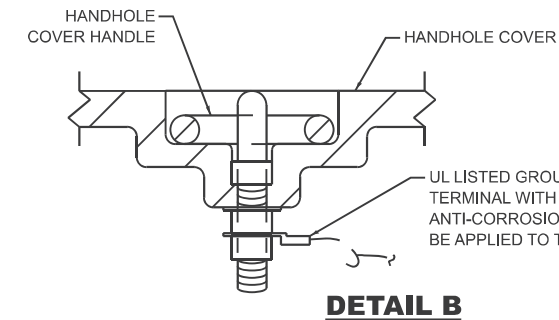
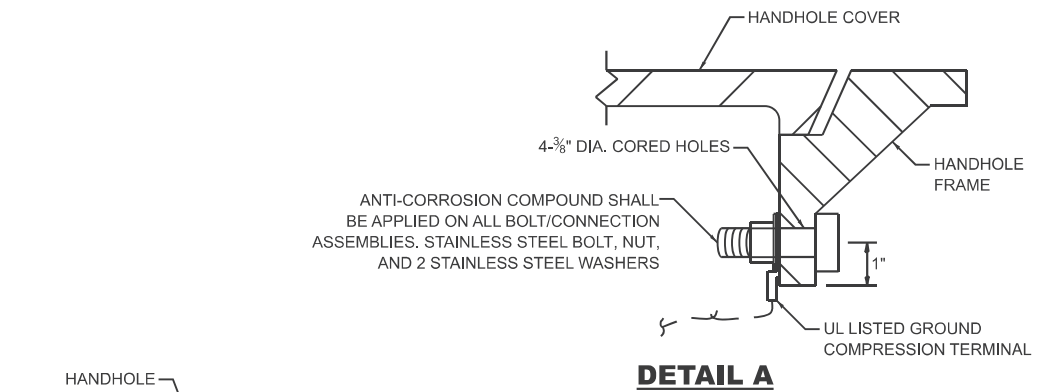
**HANDHOLE TO INTERCEPT EXISTING CONDUIT**



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

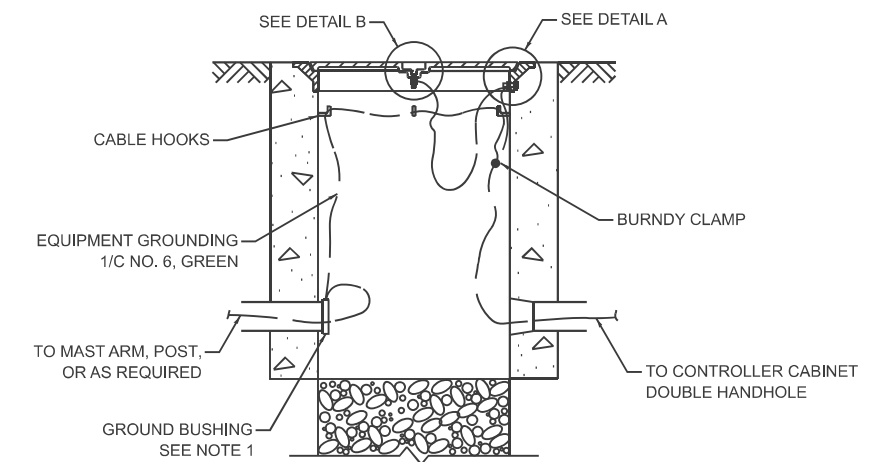


**MAST ARM / POST GROUNDING DETAIL**



**NOTES:**

1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDED.
2. GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME AND COVER.



**HANDHOLE GROUNDING DETAIL**

MODEL: TS-01f [Sheet]  
FILE NAME: c:\pw\_work\project\lawrence.demanche\illinois.rev\0951416\TS-01.dgn

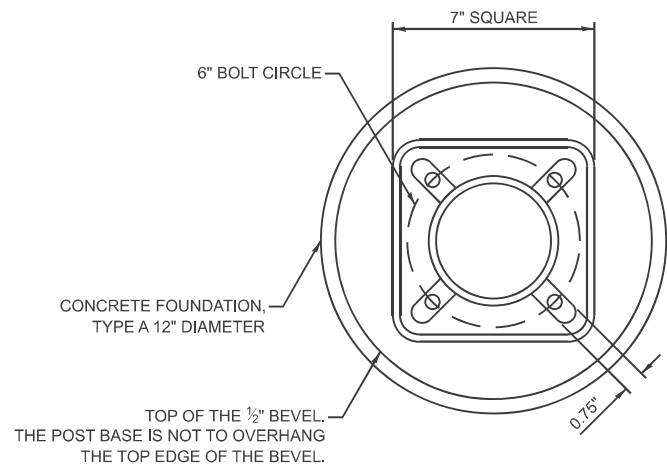
USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - IP	REVISED -
PLOT DATE = 12/16/2025	CHECKED - NB/KK	REVISED -
	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

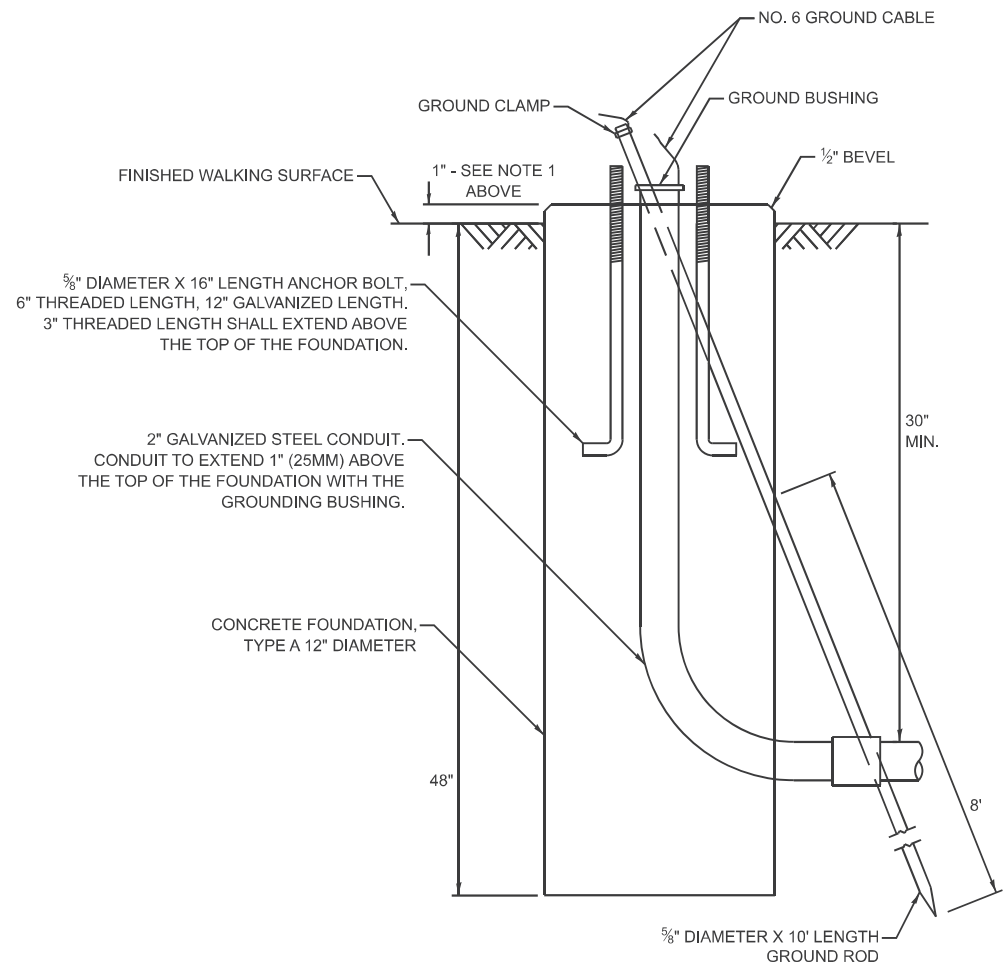
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			60	12
TS-01			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



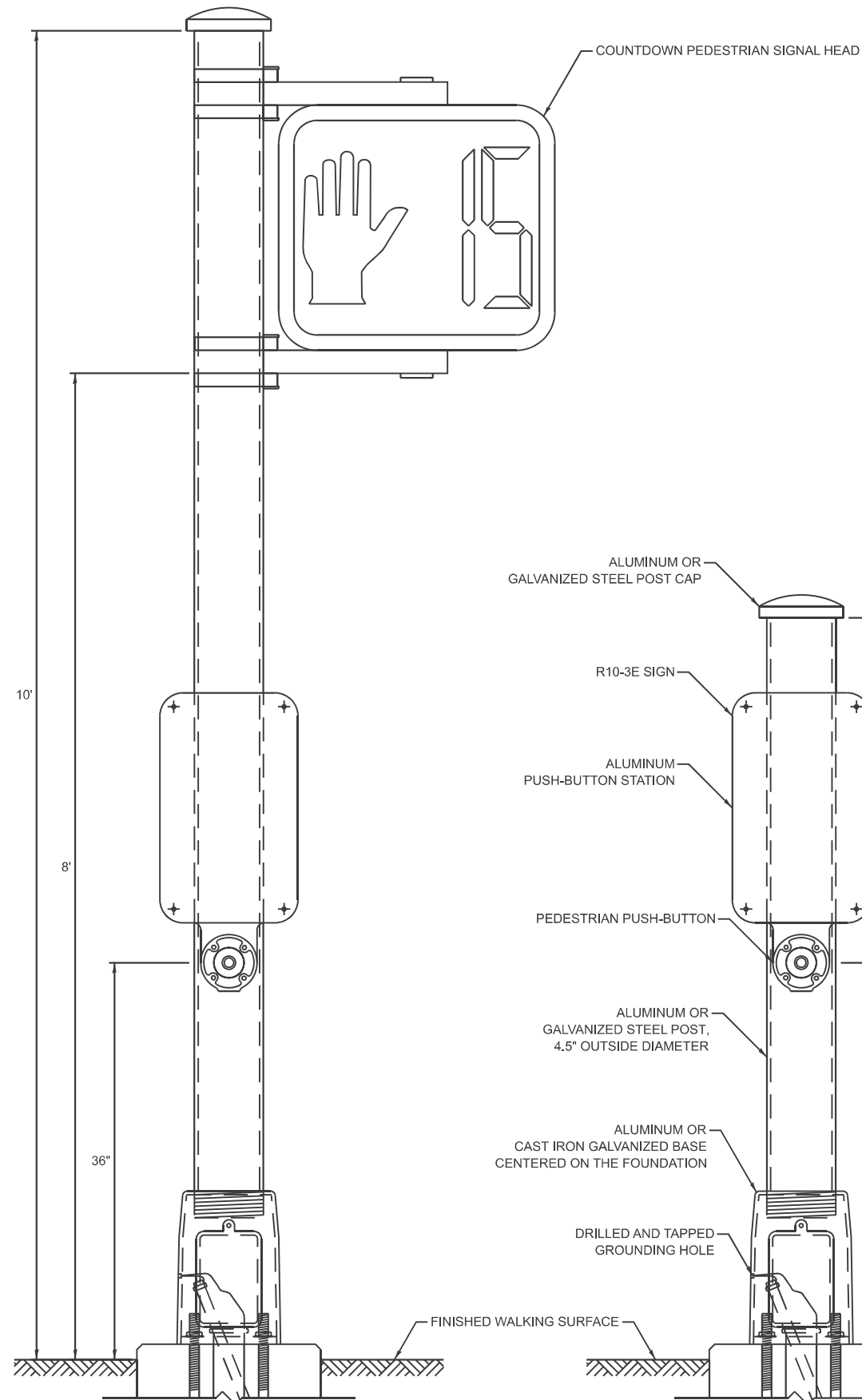
**BOLT PATTERN**

**NOTES:**

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

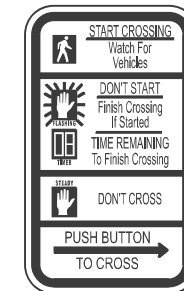


**CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER**



**PEDESTRIAN SIGNAL POST, 10 FT.**

**PEDESTRIAN SIGNAL POST, 5 FT.**



R10-3E  
9" X 15"



W10-101  
18" X 24"

**SIGN NOTES:**

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3E IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

MODEL: TS-01a (Sheet)  
FILE NAME: c:\p\work\project\lawrence.demanche\illinois.rev\0951416\TS-01.dgn

USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

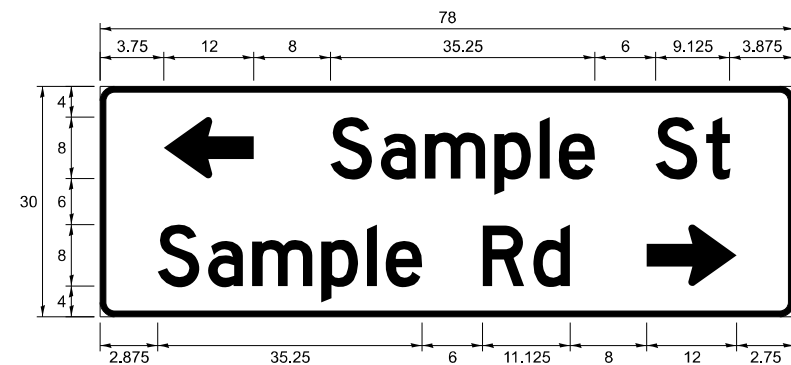
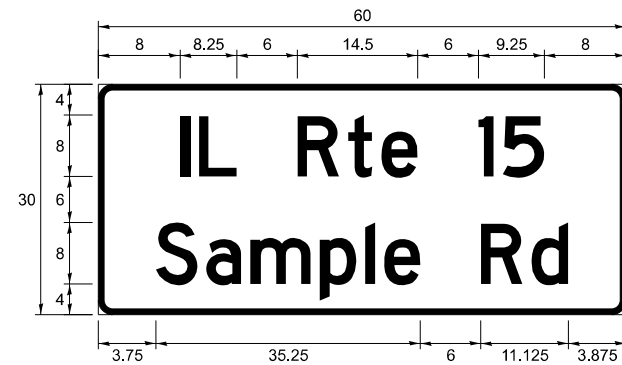
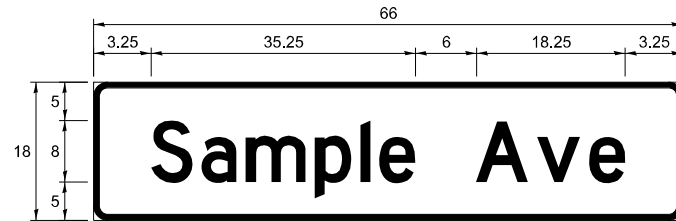
DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			60	13
TS-01			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

**SIGN PANEL - TYPE 1 OR TYPE 2**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



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

**COMMON STREET NAME ABBREVIATIONS**

NAME	ABBREVIATION	LENGTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15	18.25
BOULEVARD	Blvd	17.125	20
CIRCLE	Cir	11.125	13
COURT	Ct	8.25	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22
ILLINOIS	IL	7	8.25
LANE	Ln	9.125	10.75
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.75
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.5
STREET	St	8	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.75	9.125
UNITED STATES	US	10.375	12.25

**GENERAL NOTES**

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

**LOCAL SUPPLIERS:**

- J.O. HERBERT COMPANY, INC  
MIDLOTHIAN, VA

- WESTERN REMAC, INC.  
WOODRIDGE, IL

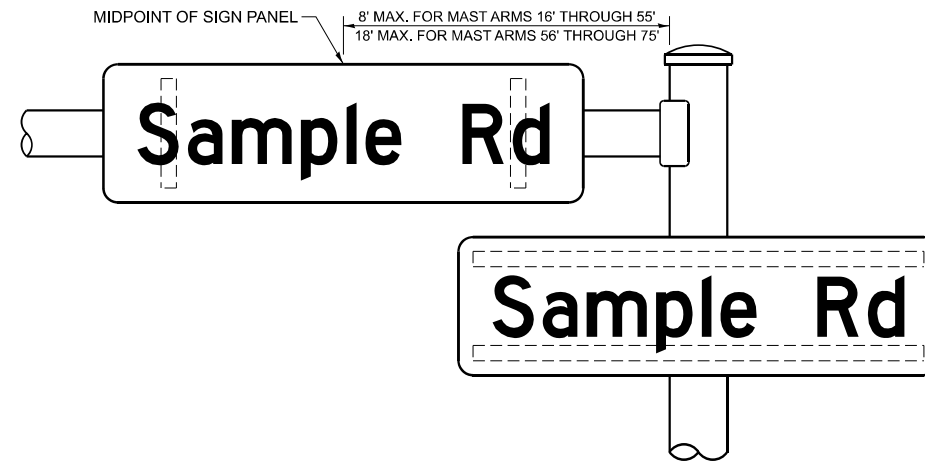
**PARTS LISTING:**

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

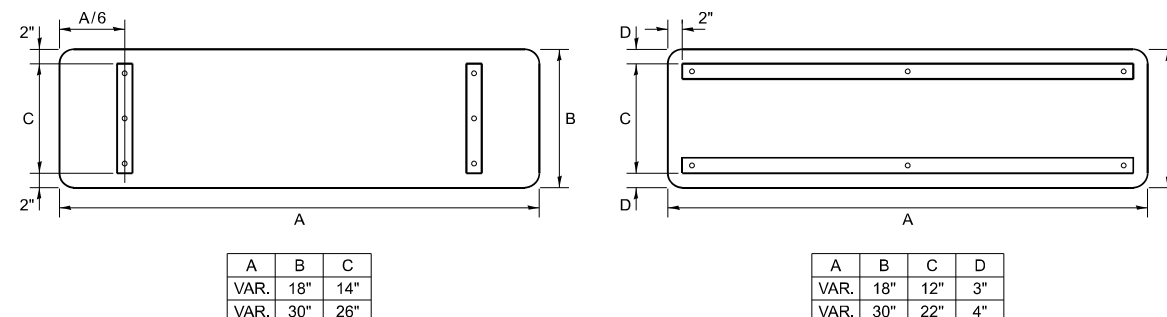
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

**MOUNTING LOCATIONS**

ARM OR POLE MOUNTED



**SUPPORTING CHANNELS**



A	B	C
VAR. 18"	14"	
VAR. 30"	26"	

A	B	C	D
VAR. 18"	12"	3"	
VAR. 30"	22"	4"	

**STANDARD ALPHABETS SPACING CHART**

MEASUREMENTS BASED ON 8" UPPER CASE LETTER HEIGHT

CHARACTER	FHWA SERIES "C"			CHARACTER	FHWA SERIES "D"		
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)		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	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	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

MODEL: TS-02 (Sheet)  
FILE NAME: c:\pwworking\lawrence.demanche\illinois\p0951416\TS-02.dgn

USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = 0.08333317 / in.	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/15/2025	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

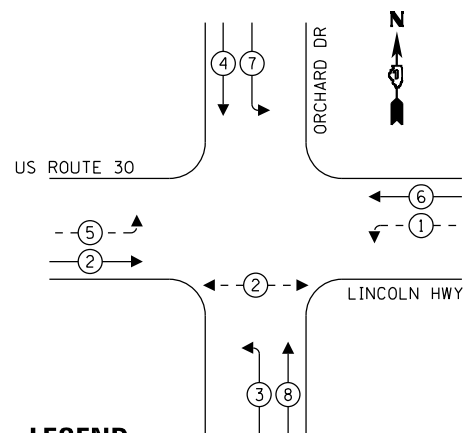
**DISTRICT ONE  
MAST ARM MOUNTED STREET NAME SIGNS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	<b>TS-02</b>		60	14
CONTRACT NO.			ILLINOIS FED. AID PROJECT	



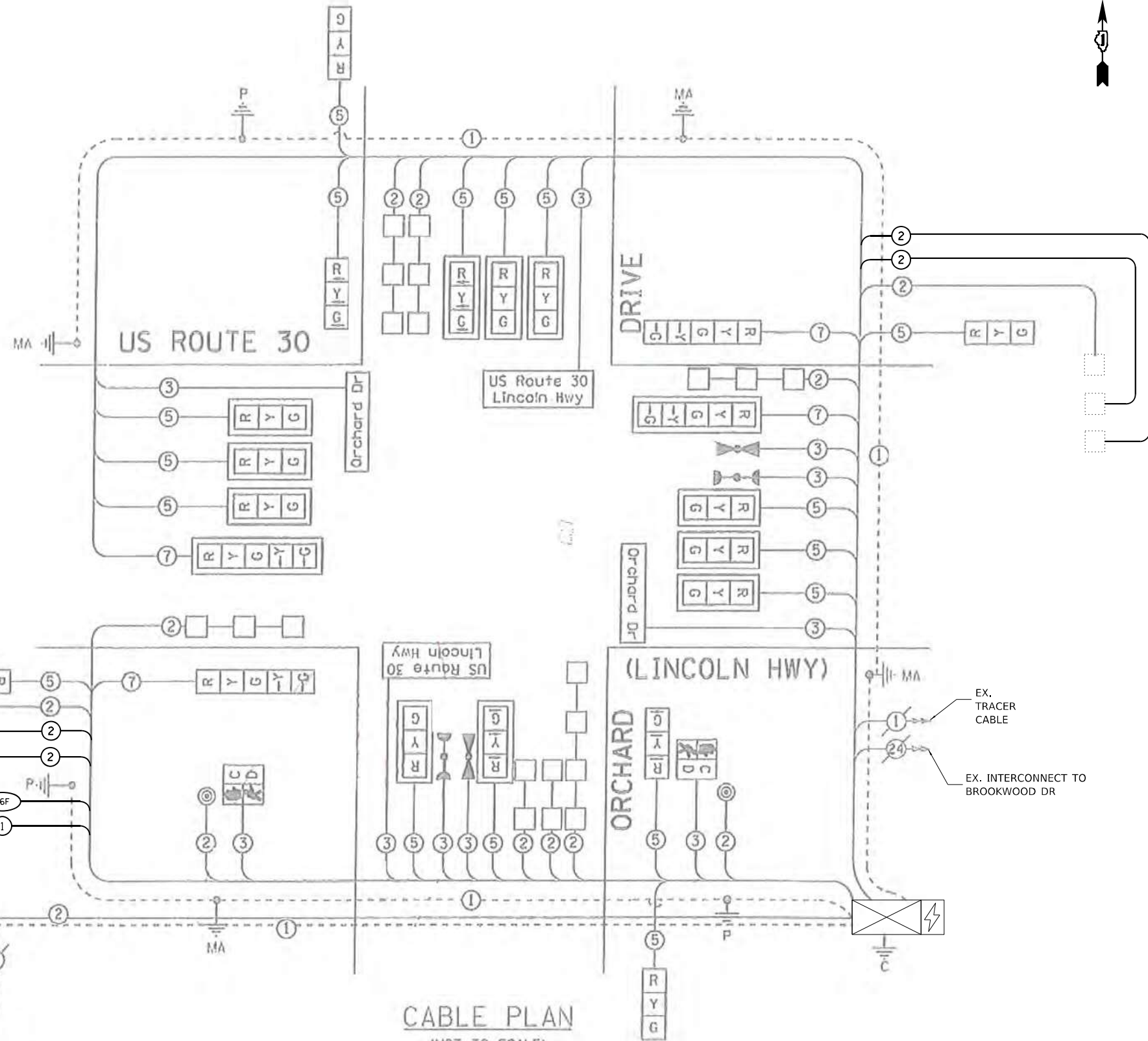
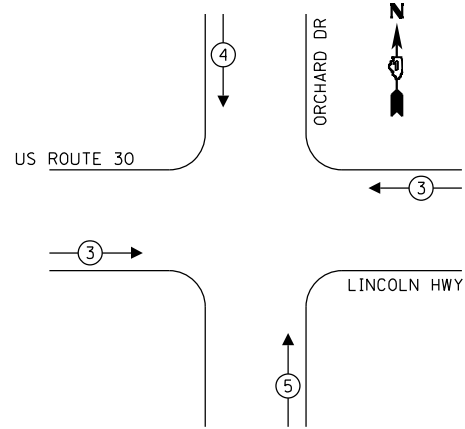
**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

- ← \* → PROTECTED PHASE
- ← - \* - → PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1677
INDUCTIVE LOOP DETECTOR	EACH	4

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE	
SIGNAL HEAD	3-SECTION	17	11	187
	4-SECTION	-	14	-
	5-SECTION	4	13	52
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	2	15	30	
MASTER CONTROLLER	1	150	150	
UPS	1	25	25	
DETECTION RADAR OR VIDEO	-	20	-	
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH II OR III	-	35	-	
CELLULAR MODEM	-	15	-	
<b>TOTAL UPS SIZING</b>			<b>444</b>	
UPS CHARGING	1	225	225	
BATTERY HEATER MAT	1	180	180	
CABINET HEATER	1	200	200	
FLASHER	-	15	-	
LED STREET NAME SIGN	4	120	480	
LUMINAIRE	-	240	-	
<b>TOTAL SERVICE WIRE SIZING</b>			<b>1529</b>	

ENERGY COSTS - BILLED TO:  
VILLAGE OF OLYMPIA FIELDS  
20040 GOVERNORS HIGHWAY  
OLYMPIA FIELDS, IL 60461

ENERGY SUPPLY: \_\_\_\_\_  
CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
COMPANY: COMED  
ACCOUNT NUMBER: 02990-49102  
METER NUMBER: \_\_\_\_\_

MODEL: Default  
 FILE NAME: C:\Users\pcauser\Documents\ITERIS - Midwest - Chicago\Construction\DOT\_PBL\_204\010.D1\_APS\_PROJECT\_MANAGEMENT\17369 - W0 11 - Various Interconnect\CADD\Sheet\1\_D162W91-LIN-CAB.E.dgn



USER NAME = bfunk  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 5/4/2026

DESIGNED - TZ  
 DRAWN - TZ  
 CHECKED - BF  
 DATE - 5/4/26

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
US ROUTE 30 (LINCOLN HIGHWAY) AND ORCHARD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W91	

**TS 1395  
ECON 53**



DRILL EXISTING HANDHOLE



**US ROUTE 30  
(LINCOLN HWY)**

940'-MULTI-DUCT, 3 WAY - 22MM(2),  
1.25" SDR 11 (1) MICRODUCTS

NEW 36 (24SM/12MM) FIBER AND NEW TRACER CABLE  
36 SM FIBER CABLE - 2075 FT  
TRACER NO 14 1C - 1909 FT

MATCH LINE A



**US ROUTE 30  
(LINCOLN HWY)**

935'-MULTI-DUCT, 3 WAY - 22MM(2),  
1.25" SDR 11 (1) MICRODUCTS

96'-UC-4"

**INDIANA ST**

MATCH LINE A

MATCH LINE B

MODEL: D:\default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\DOT PFB\_204\010 D1\_APS PROJECT MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets\0162\091\_INT\_AInterconnect\_Rlan.dgn



USER NAME = bfunk	DESIGNED - BF	REVISED -
DRAWN - BF	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISIONS -
PLOT DATE = 5/4/2026	DATE - 5/4/26	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION A  
US RTE 30 (LINCOLN HIGHWAY) - OLYMPIAN WAY TO ORCHARD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W91	

**ECON 53**



975'-MULTI-DUCT, 3 WAY - 22MM(2),  
1.25" SDR 11 (1) MICRODUCTS

DRILL EXISTING HANDHOLE

254'-E-2"

131'-E-4"

4'-E-4-4"

NEW 36 (24SM/12MM) FIBER AND NEW TRACER CABLE  
36 SM FIBER CABLE - 1560 FT  
TRACER NO 14 1C - 1395 FT

MODEL: D:\default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\DOT\_PFB\_204-010.D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets\0162\W011\_INT\_Anterconnect\_Rlan.dgn

ECON 53



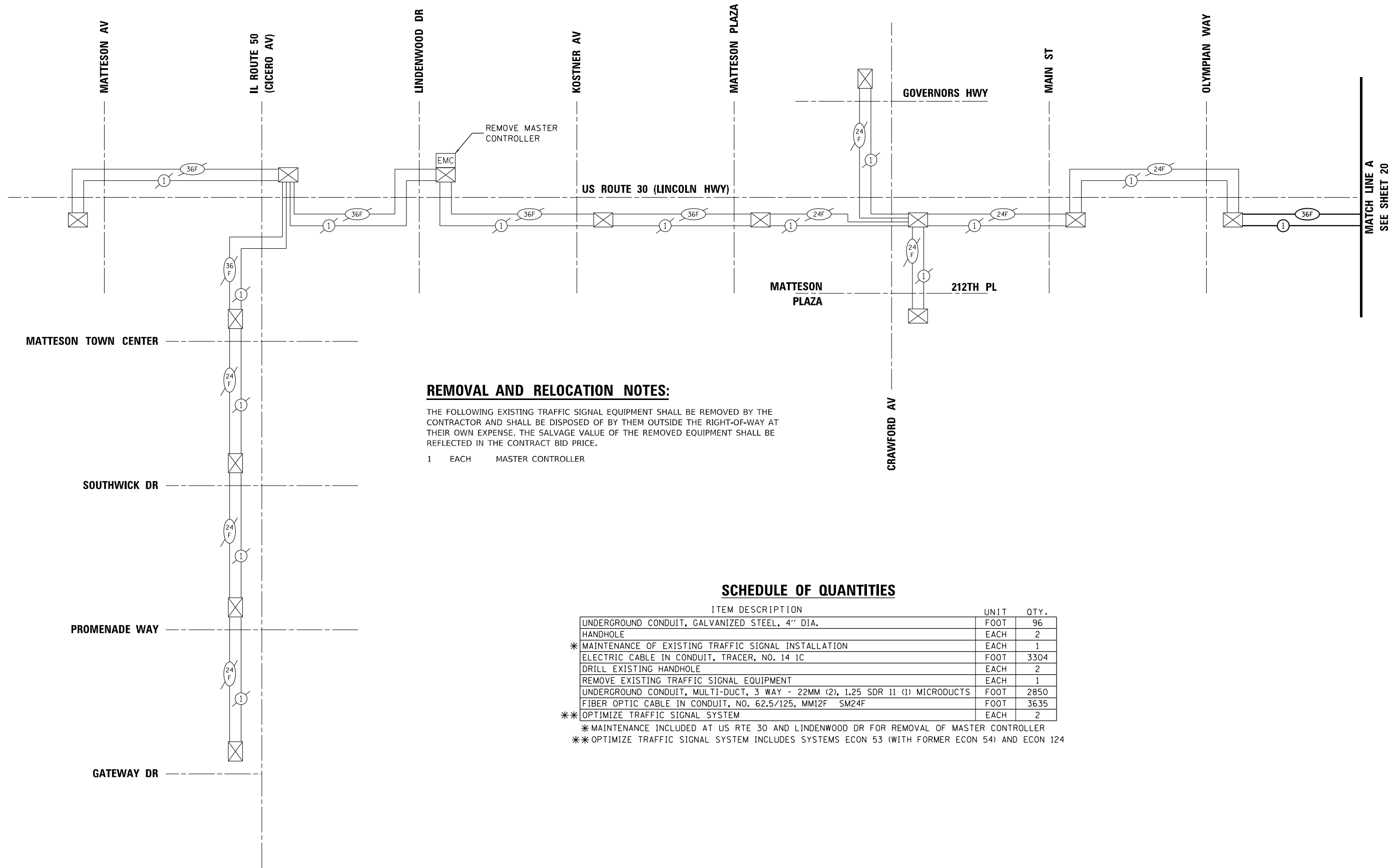
USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/4/2026	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION A  
US RTE 30 (LINCOLN HIGHWAY) - OLYMPIAN WAY TO ORCHARD DRIVE**

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
--------	-------	----	--------	------	---------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W91	



**REMOVAL AND RELOCATION NOTES:**

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

- 1 EACH MASTER CONTROLLER

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	96
HANDHOLE	EACH	2
* MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 IC	FOOT	3304
DRILL EXISTING HANDHOLE	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 3 WAY - 22MM (2), 1.25 SDR 11 (1) MICRODUCTS	FOOT	2850
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3635
** OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	2

\* MAINTENANCE INCLUDED AT US RTE 30 AND LINDENWOOD DR FOR REMOVAL OF MASTER CONTROLLER  
 \*\* OPTIMIZE TRAFFIC SIGNAL SYSTEM INCLUDES SYSTEMS ECON 53 (WITH FORMER ECON 54) AND ECON 124

MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204\01\_01\_APS\_PROJECT\_MANAGEMENT\112369 - WO 11 - Various Interconnect\CADD\Sheets\112369 - WO 11 - Various Interconnect\CADD\Sheets\112369 - WO 11 - Various Interconnect - Schematic.dgn  
 MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204\01\_01\_APS\_PROJECT\_MANAGEMENT\112369 - WO 11 - Various Interconnect\CADD\Sheets\112369 - WO 11 - Various Interconnect - Schematic.dgn



USER NAME = bfunk	DESIGNED - BF	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - BF	REVISED -
PLOT DATE = 5/4/2026	CHECKED - AG	REVISED -
	DATE - 5/4/26	REVISED -

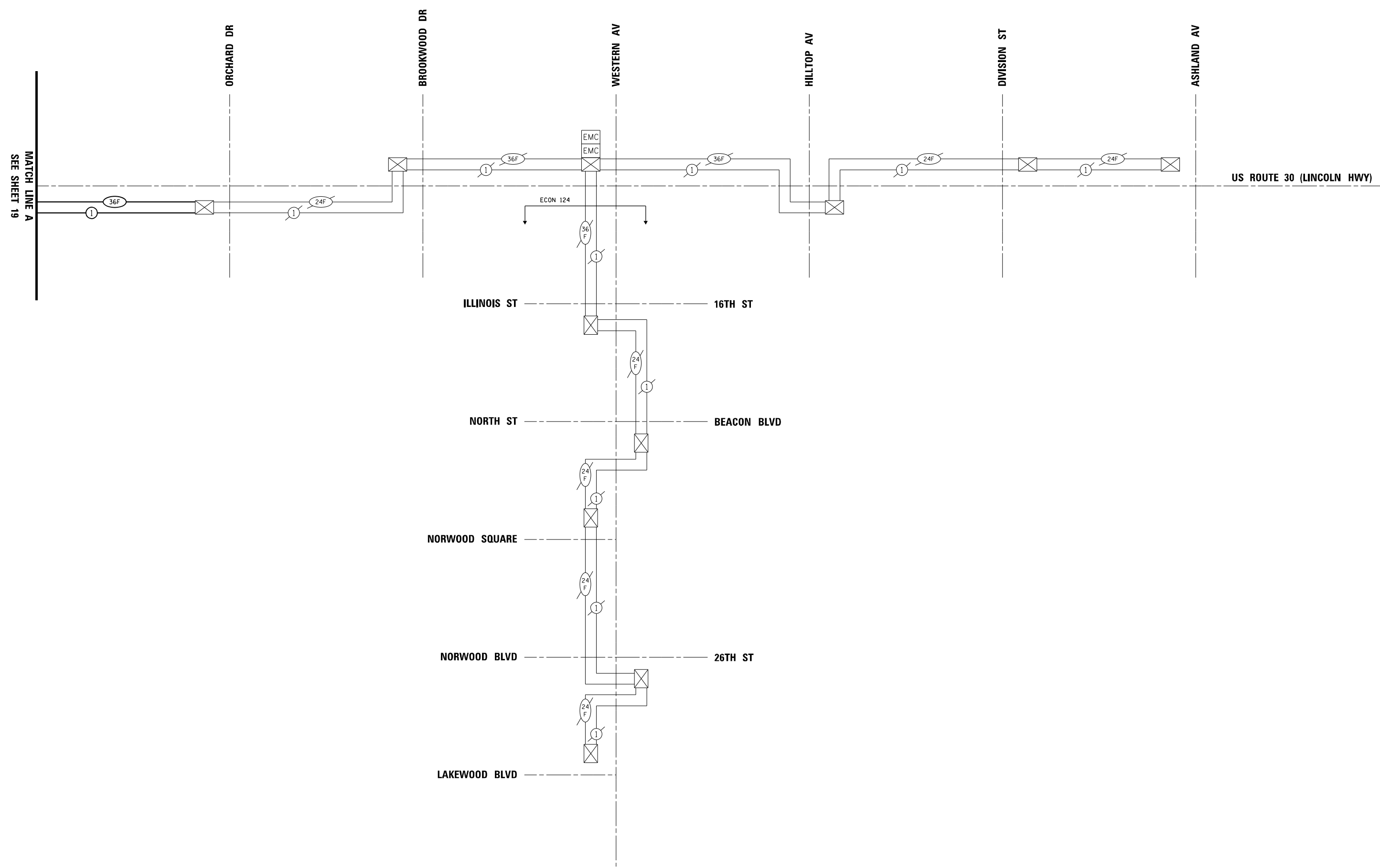
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC - LOCATION A  
IDOT SYSTEMS 53 AND 54**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	19
			CONTRACT NO. 62W91	
		ILLINOIS FED. AID PROJECT		

**ECON 53  
FORMER ECON 54**



MODEL: D:\default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204\0101\_01\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets\12369-11-01-Interconnect\_Schematic.dgn

ECON 53, 124



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 3/9/2026	DATE - 3/9/26	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC - LOCATION A**  
**IDOT SYSTEMS 53 AND 54**

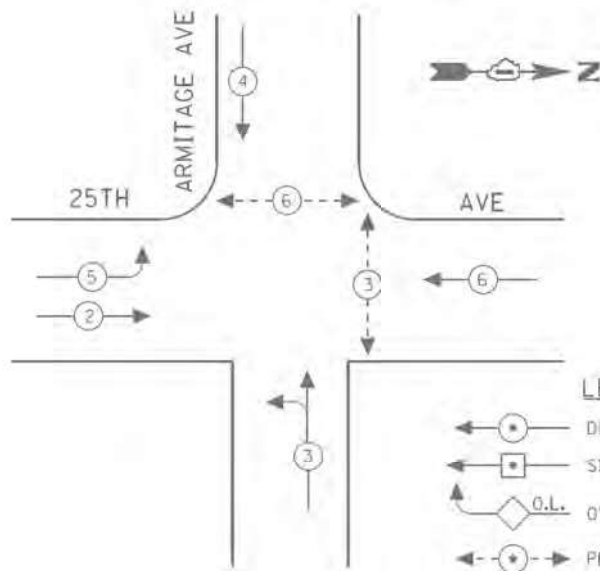
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W91	





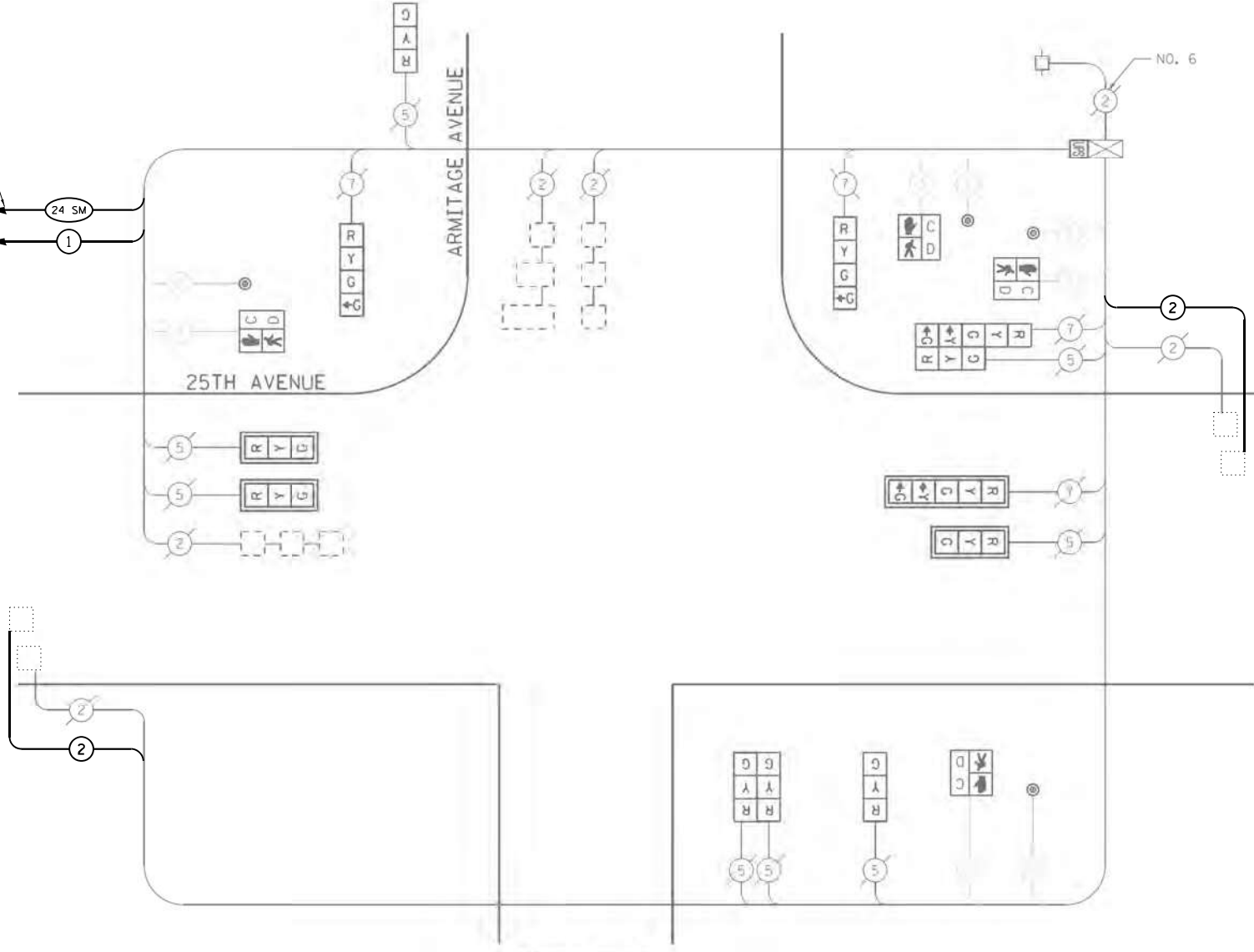
**CONTROLLER SEQUENCE**



- LEGEND**
- ← ● → DUAL ENTRY PHASE
  - ← □ → SINGLE ENTRY PHASE
  - ◊ O.L. OVERLAP
  - ← ● → PEDESTRIAN PHASE
  - \* NUMBER REFERS TO ASSOCIATED PHASE

**EXISTING PHASE DESIGNATION DIAGRAM**

PROP. INTERCONNECT TO IL 64 (NORTH AV)  
 PROP. TRACER CABLE



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	711
INDUCTIVE LOOP DETECTOR	EACH	4
* * CENTRACS LICENSE EXPANSION	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
* * CENTRACS LICENSE TO BE PROVIDED BY IDOT TRAFFIC		

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		%OPERATION
		INCAND.	LED	
SIGNAL (RED)	12	17	0.50	102
(YELLOW)	12	25	0.25	75
(GREEN)	14	15	0.25	52.5
ARROW	4	12	0.10	4.8
PED. SIGNAL	4	25	.00	100
CONTROLLER	1	100	.00	100
ILLUM. SIGN			0.05	
FLASHER		25	0.50	
ENERGY COSTS TO:				TOTAL = 434.3

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196-1096  
 ENERGY SUPPLY CONTACT: XXX XXXXX  
 PHONE: (XXX) XXX-XXXX  
 COMPANY: COMMONWEALTH EDISON

MODEL: Default  
 FILE NAME: C:\Share\project\ITERIS - Midwest - Chicago\Contract\IDOT - 204-010-D1-APS\_PROJECT\_MANAGEMENT\112369 - W0 11 - Various Interconnect\CADD\Sheets3\_D162W91-1-101-CAB.E.dgn



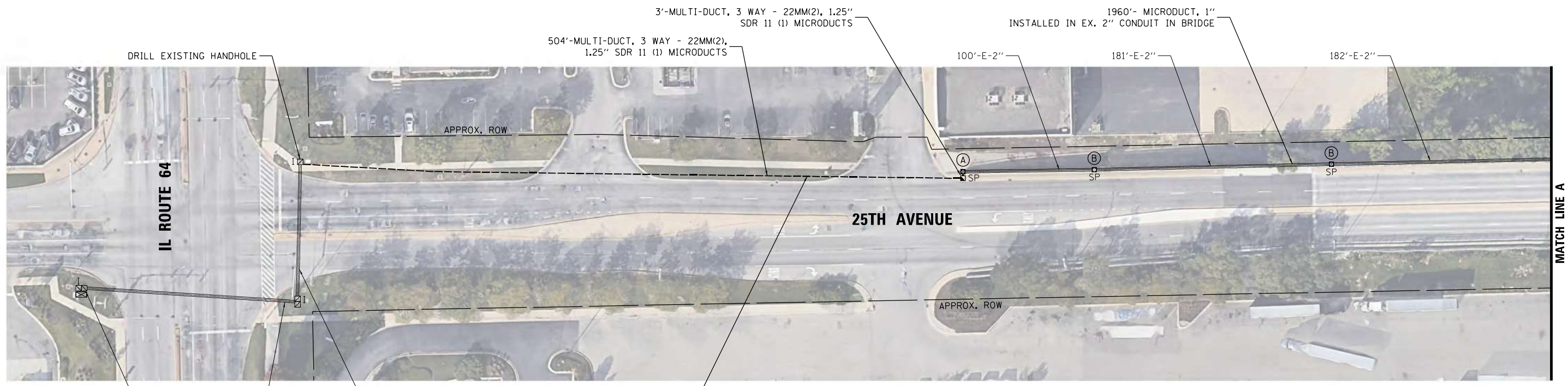
USER NAME = bfunk	DESIGNED - BF	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - BF	REVISED -
PLOT DATE = 5/4/2026	CHECKED - AG	REVISED -
	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SIGNAL CABLE PLAN</b>			
<b>25TH AVENUE AND ARMITAGE AVENUE</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	22
			CONTRACT NO. 62W91	
ILLINOIS FED. AID PROJECT				

**TS 22165  
IDOT CENTRACS  
SECTION 100**



**NOTES:**

1. CONTRACTOR SHALL ROD AND CLEAN THE EXISTING CONDUIT ON BRIDGE TO VERIFY EXISTING CONDUIT IS USABLE. THIS SHALL BE COMPLETED PRIOR TO ORDERING JUNCTION BOXES AND MICRODUCT, IF THE CONDUIT IS FOUND TO BE UNUSABLE, THE CONTRACTOR SHALL PROCEED WITH AN ALTERNATIVE DESIGN UTILIZING A CELLULAR MODEM INSTALLED AT ARMITAGE AVE AND 25TH AVE. THIS ALTERNATIVE DESIGN SHALL BE APPROVED BY THE ENGINEER AND THE IDOT D1 TRAFFIC SIGNAL ENGINEER.
2. IF BRIDGE CONDUIT IS FOUND USABLE, CONTRACTOR SHALL INSTALL 1" MICRODUCT IN THE EXISTING 2" CONDUIT ON BRIDGE. PROPOSED FIBER SHALL BE PULLED THROUGH THE 1" MICRODUCT.



- (A) STAINLESS STEEL JUNCTION BOX ATTACHED TO STRUCTURE 8"x8"x6"
- (B) STAINLESS STEEL JUNCTION BOX ATTACHED TO STRUCTURE 20"x20"x8"

**IDOT CENTRACS SECTION 100**

MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS - INC\Systems - Midwest - Chicago Construction\IDOT - PTE\_204\010.D1\_APS\_PROJECT\_MANAGEMENT\112369 - W0 11 - Various Interconnect\CADD\Sheets\0162\091\_INT\_Interconnect\_Rlan.dgn



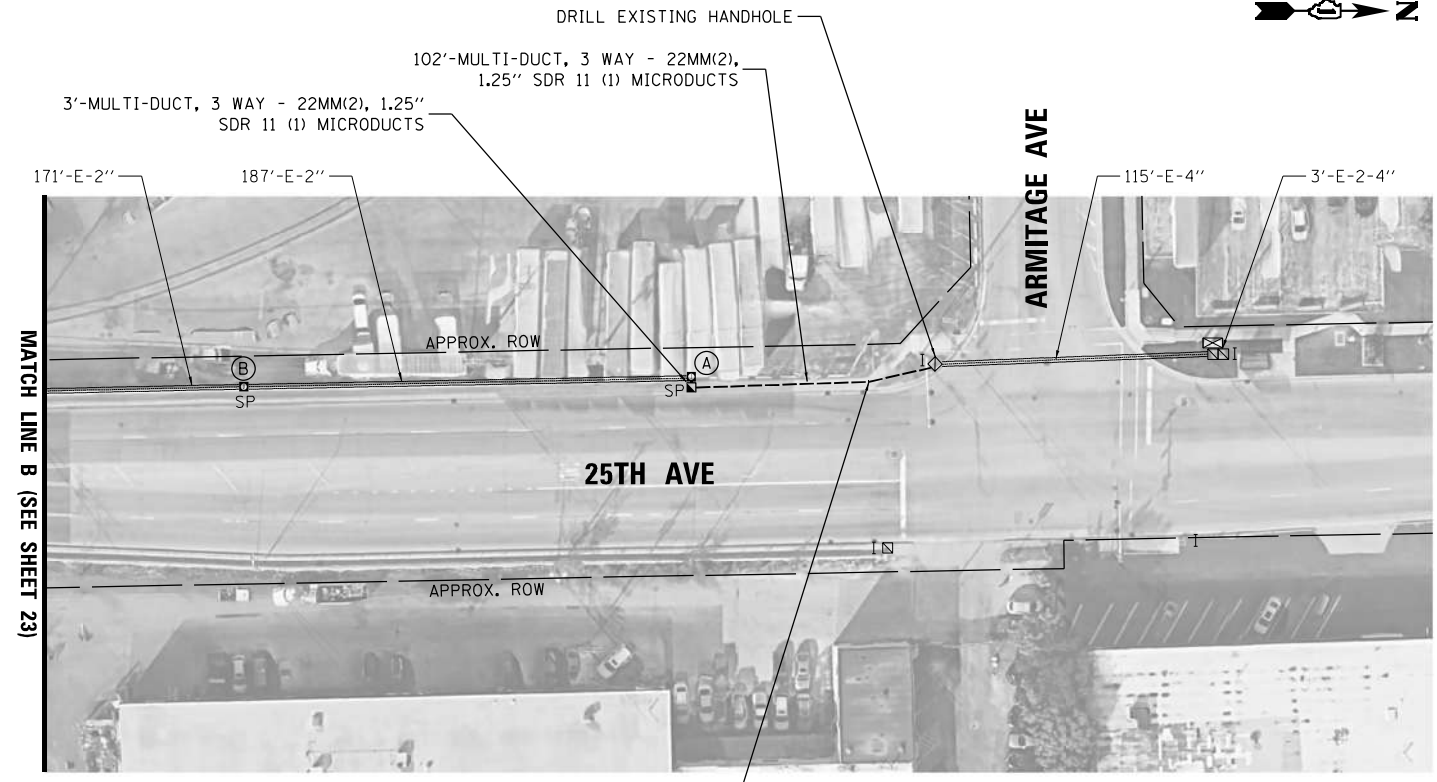
USER NAME = bfunk	DESIGNED - BF	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - BF	REVISED -
PLOT DATE = 5/5/2026	CHECKED - AG	REVISED -
	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION B  
25TH AVE - IL ROUTE 64 TO ARMITAGE AVE**

SCALE: SHEET OF SHEETS STA. TO STA.

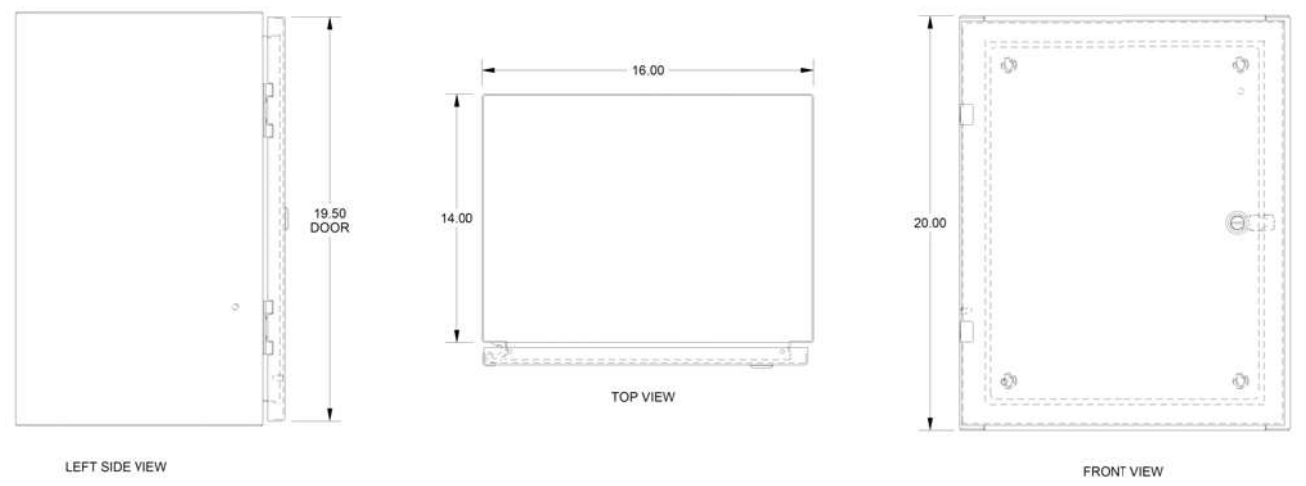
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	23
CONTRACT NO. 62W91			ILLINOIS FED. AID PROJECT	



- NOTES:**
- CONTRACTOR SHALL ROD AND CLEAN THE EXISTING CONDUIT ON BRIDGE TO VERIFY EXISTING CONDUIT IS USABLE. THIS SHALL BE COMPLETED PRIOR TO ORDERING JUNCTION BOXES AND MICRODUCT. IF THE CONDUIT IS FOUND TO BE UNUSABLE, THE CONTRACTOR SHALL PROCEED WITH AN ALTERNATIVE DESIGN UTILIZING A CELLULAR MODEM INSTALLED AT ARMITAGE AVE AND 25TH AVE. THIS ALTERNATIVE DESIGN SHALL BE APPROVED BY THE ENGINEER AND THE IDOT D1 TRAFFIC SIGNAL ENGINEER.
  - IF BRIDGE CONDUIT IS FOUND USABLE, CONTRACTOR SHALL INSTALL 1" MICRODUCT IN THE EXISTING 2" CONDUIT ON BRIDGE. PROPOSED FIBER SHALL BE PULLED THROUGH THE 1" MICRODUCT.

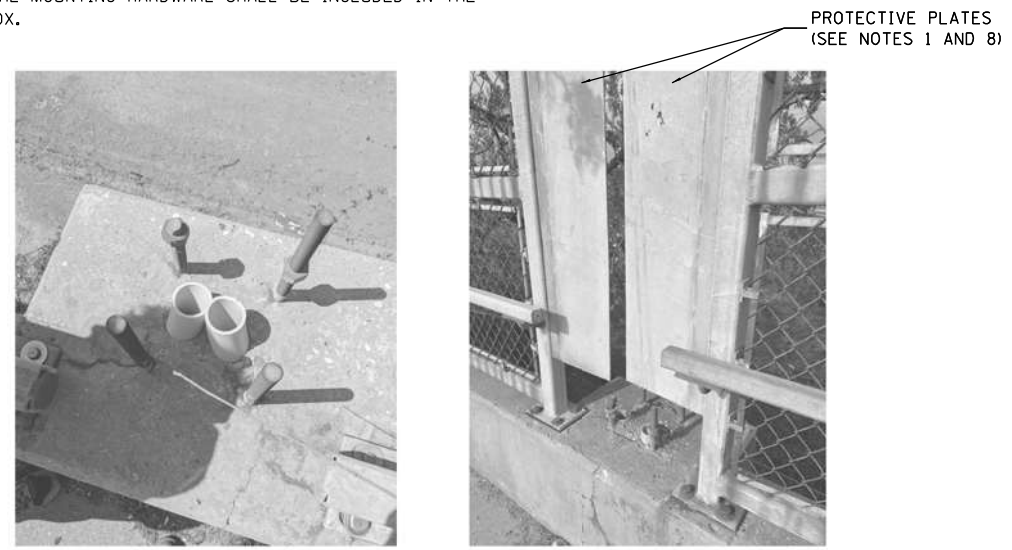
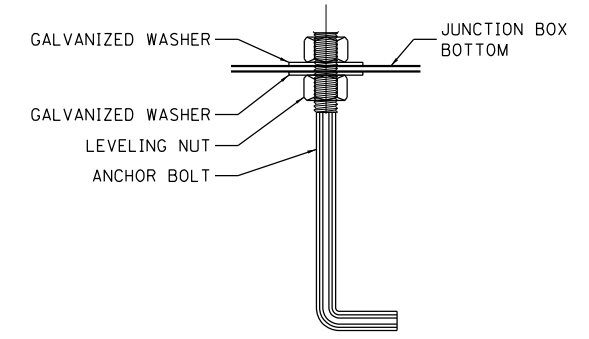
- (A) STAINLESS STEEL JUNCTION BOX ATTACHED TO STRUCTURE 8"x8"x6"
- (B) STAINLESS STEEL JUNCTION BOX ATTACHED TO STRUCTURE 16"x14"x20"

**JUNCTION BOX DETAIL**



**CONSTRUCTION NOTES**

- CONTRACTOR SHALL REMOVE PROTECTIVE PLATES AND STORE SAFELY UNTIL REINSTALLED.
- CONTRACTOR SHALL VERIFY THE FIT OF THE PROPOSED JUNCTION BOX PRIOR TO ORDERING. IF PROPOSED JUNCTION BOX SIZE WILL NOT WORK, CONTRACTOR SHALL PROPOSE ALTERNATIVE BOX DESIGN FOR APPROVAL BY THE ENGINEER.
- CONTRACTOR SHALL DRILL BOTTOM OF JUNCTION BOX TO MATCH EXISTING BOLT PATTERN ON BRIDGE PARAPET WALL.
- CONTRACTOR SHALL CUT BOTTOM OF BOX TO ALLOW EXISTING CONDUIT TO ENTER THE BOX. THIS OPENING SHALL BE AS SMALL AS POSSIBLE. EACH JUNCTION BOX LOCATION HAS VARIATION IN EXISTING CONDUIT LAYOUT. EACH BOX SHALL BE MEASURED AND CUT FOR SPECIFIC LOCATION.
- CONTRACTOR SHALL PLACE A NEW GALVANIZED NUT AND WASHER ON EACH EXISTING ANCHOR BOLT PRIOR TO THE BOX FOR LEVELING.
- INSTALL JUNCTION BOX OVER EXISTING ANCHOR BOLTS. SECURE JUNCTION BOX WITH A NEW GALVANIZED WASHER AND NUT ON THE INSIDE OF THE BOX.
- IF GAP EXISTS UNDER JUNCTION BOX, PROTECTIVE MESH SHALL BE INSTALLED AROUND BASE TO PREVENT RODENT ACCESS. COST OF THE MESH SHALL BE INCLUDED IN THE COST OF THE JUNCTION BOX. THE NEED FOR MESH SHALL BE DETERMINED BY THE ENGINEER.
- REINSTALL EXISTING PROTECTIVE PLATES. CONTRACTOR SHALL USE NEW GALVANIZED BOLTS, NUTS, WASHERS, AND ANY OTHER MOUNTING HARDWARE REQUIRED. THE COST OF THE MOUNTING HARDWARE SHALL BE INCLUDED IN THE COST OF THE JUNCTION BOX.



MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204-010\_D1\_APS\_PROJECT\_MANAGEMENT\112369 - W0 11 - Various Interconnect\CADD\Sheets\01627\01\_INT\_Balinterconnect\_Rlan.dgn



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/11/2026	DATE - 5/11/26	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN - LOCATION B  
25TH AVE - IL ROUTE 64 TO ARMITAGE AVE

SCALE: SHEET OF SHEETS STA. TO STA.

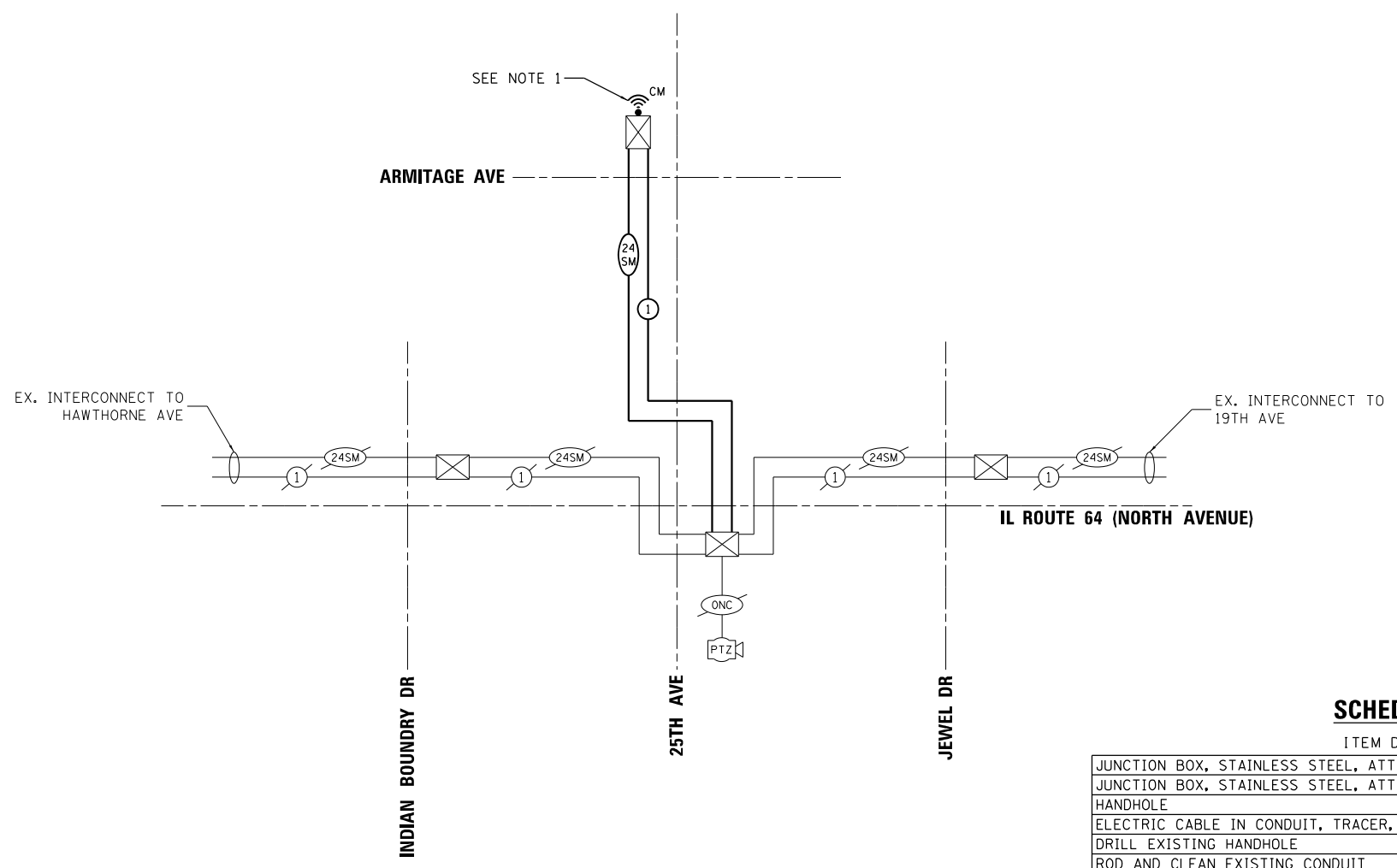
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	24
CONTRACT NO. 62W91			ILLINOIS FED. AID PROJECT	

IDOT CENTRACS  
SECTION 100



**NOTES:**

- IF EXISTING BRIDGE CONDUIT IS FOUND TO BE UNUSABLE, THE CONTRACTOR SHALL PROCEED WITH AN ALTERNATIVE DESIGN UTILIZING A CELLULAR MODEM INSTALLED AT ARMITAGE AVE AND 25TH AVE. THIS ALTERNATIVE DESIGN SHALL BE APPROVED BY THE ENGINEER AND THE IDOT D1 TRAFFIC SIGNAL ENGINEER.



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 8" X 8" X 6"	EACH	2
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 20" X 20" X 8"	EACH	10
HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3040
DRILL EXISTING HANDHOLE	EACH	2
ROD AND CLEAN EXISTING CONDUIT	FOOT	1960
* CELLULAR MODEM	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 3 WAY - 22MM (2), 1.25 SDR 11 (1) MICRODUCTS	FOOT	618
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	3406
** RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
UNDERGROUND CONDUIT, SINGLE MICRODUCT, 1" DIA.	FOOT	1960

\* TO BE USED FOR ALTERNATIVE DESIGN ONLY. TO BE APPROVED BY THE ENGINEER.  
 \*\* RE-OPTIMIZE PAY ITEM SHALL INCLUDE THE FOLLOWING SIGNALS:  
 - 25TH AVE AND ARMITAGE AVE

MODEL: D:\p\h\...  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204\0101\_D1\_APS\_PROJECT\_MANAGEMENT\112369 - W0 11 - Various Interconnect\CADD\Sheets\3-D\62W91-1-Int-Interconnect - Schematic.dgn



USER NAME = bfunk	DESIGNED - BF	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - BF	REVISED -
PLOT DATE = 5/11/2026	CHECKED - AG	REVISED -
	DATE - 5/11/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

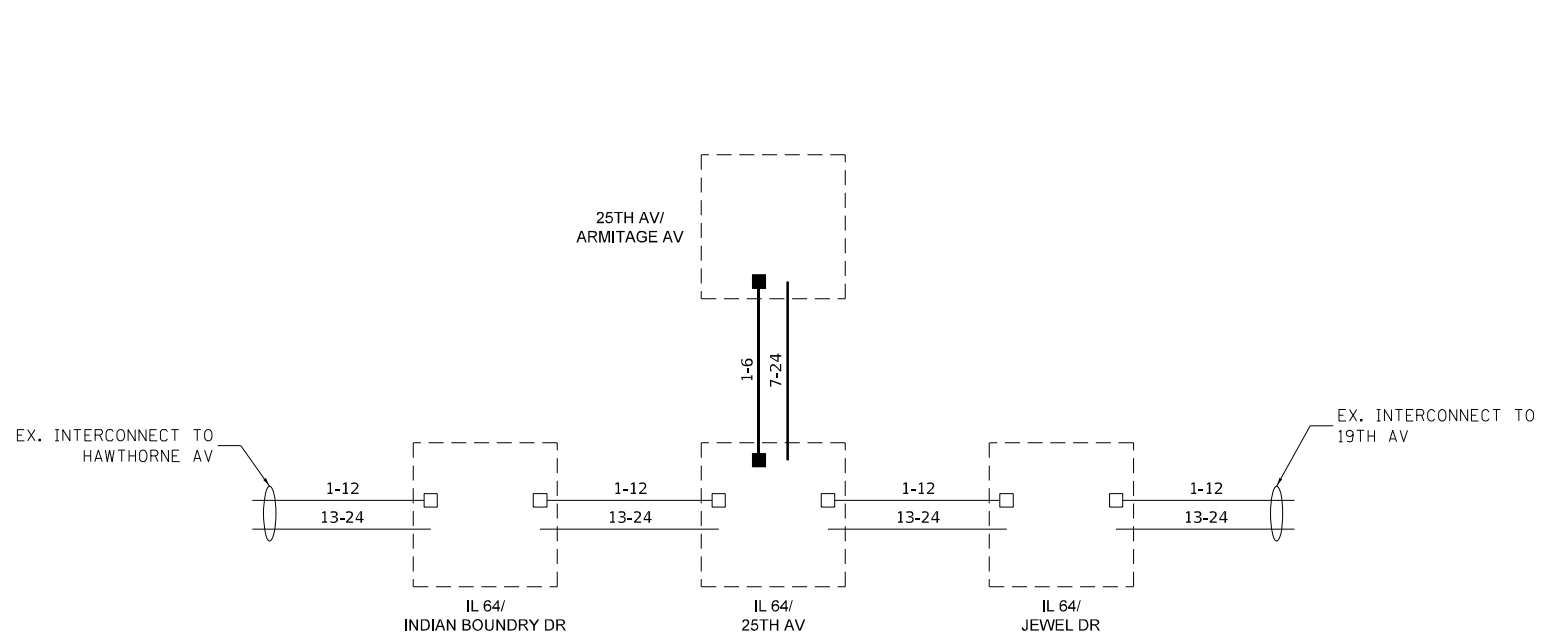
**INTERCONNECT SCHEMATIC  
IDOT SYSTEM 100**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-966-TS	COOK	60	25
			CONTRACT NO. 62W91	
		ILLINOIS	FED. AID PROJECT	

**IDOT CENTRACS  
SECTION 100**

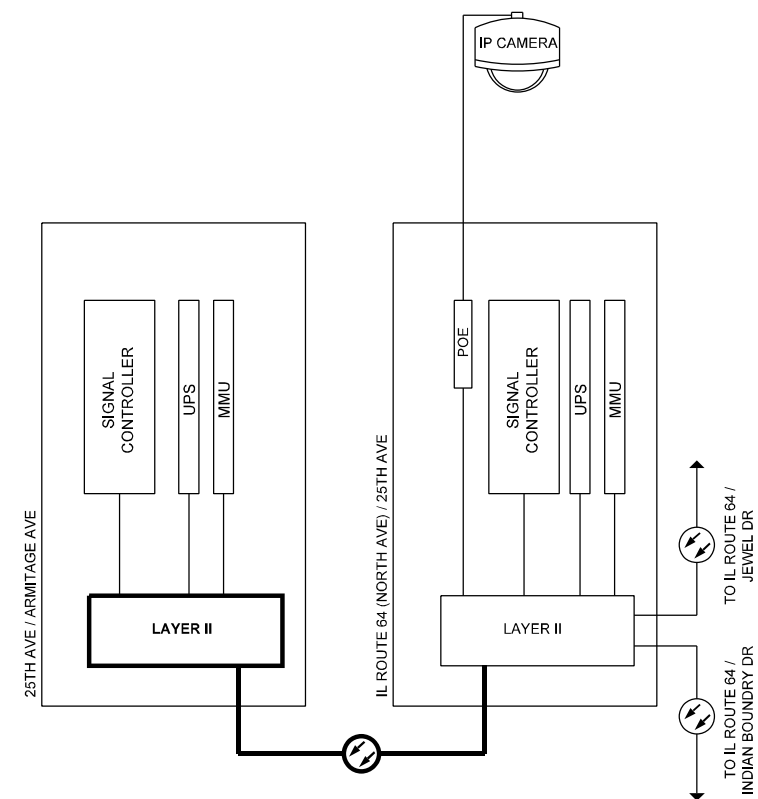
MODEL: D:\p\h\...  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\DOT\_PFB\_204-010.D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheet3-D162W91-1-Int-Fiber\_SplSplic.dgn



**SCHEDULE OF FIBER TERMINATION AND SPLICING**

INTERSECTION / LOCATION	INCLUDED IN COST OF NEW FIBER		X1400217	X8710317
	# OF TERMINATIONS	# OF SPLICES	TERMINATE FIBER IN CABINET	SPLICE FIBER IN CABINET
IL ROUTE 64 AND 25TH AVE	6		EACH	EACH
25TH AVE AND ARMITAGE AVE	6			

- EXISTING SM FIBER
- EXISTING CONNECTOR / EXISTING SM FIBER
- PROPOSED SM FIBER
- NEW CONNECTOR / PROPOSED SM FIBER



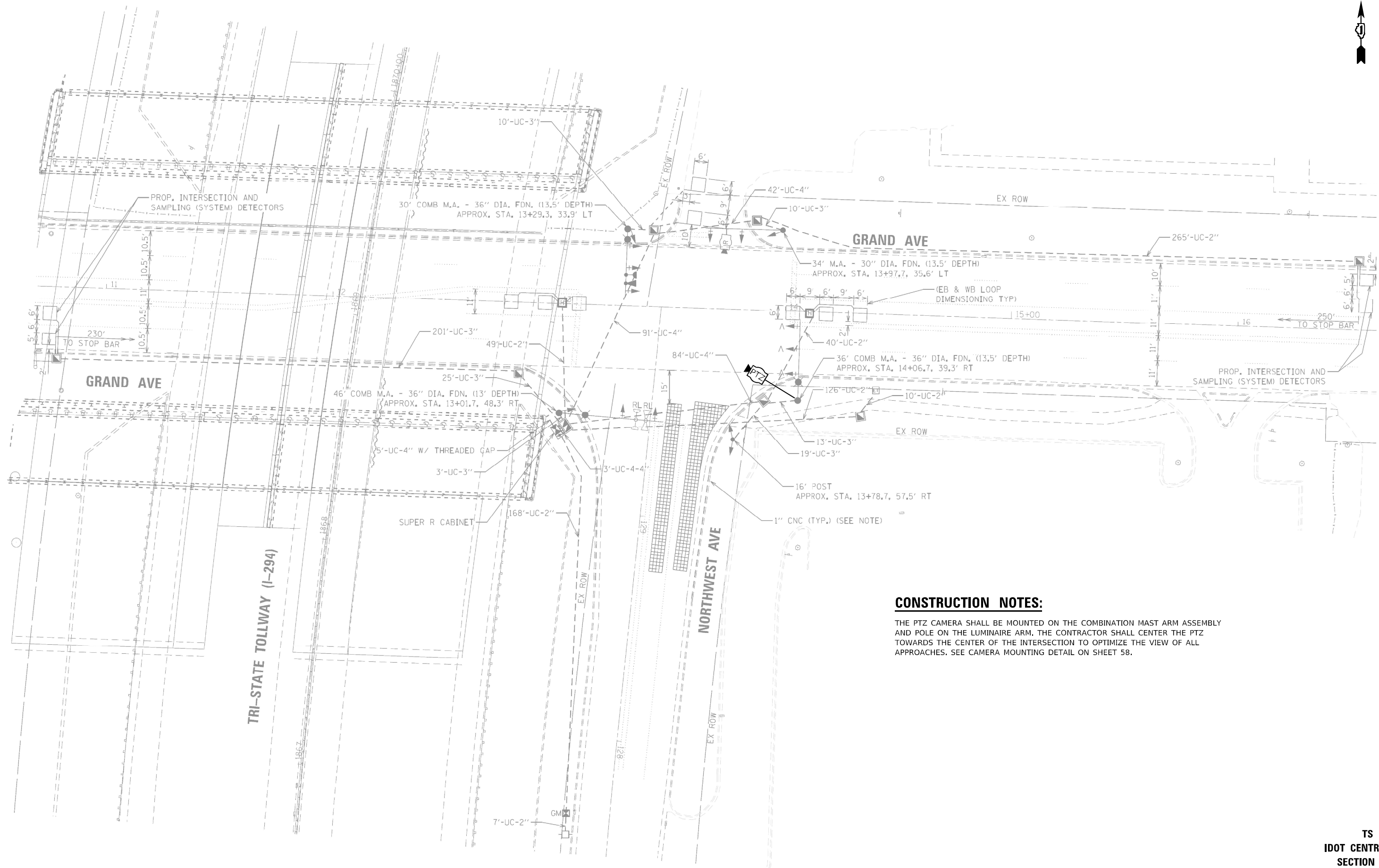
USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/11/2026	DATE - 5/11/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FIBER SPLICING DIAGRAM AND CABINET DETAIL  
INTERCONNECT B**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W91	



**CONSTRUCTION NOTES:**

THE PTZ CAMERA SHALL BE MOUNTED ON THE COMBINATION MAST ARM ASSEMBLY AND POLE ON THE LUMINAIRE ARM. THE CONTRACTOR SHALL CENTER THE PTZ TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE CAMERA MOUNTING DETAIL ON SHEET 58.

MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PTB\_204\010.D1\_APS\_PROJECT\_MANAGEMENT\12369 - WO 11 - Various Interconnect\CADD\Sheets3.D162W91-1-CON-CAB1.E.dgn



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - BF	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/19/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN  
GRAND AVENUE AND NORTHWEST AVENUE**

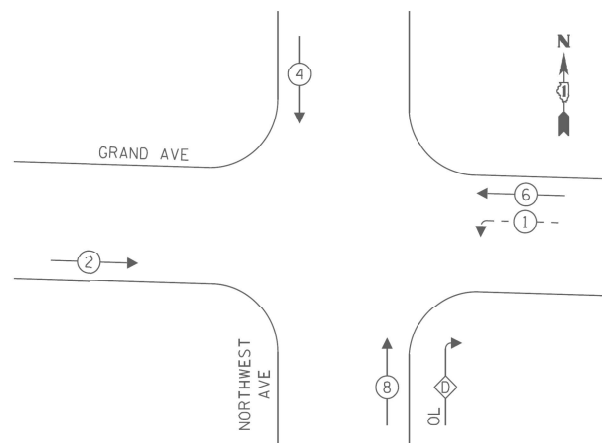
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	27
CONTRACT NO. 62W91			ILLINOIS FED. AID PROJECT	

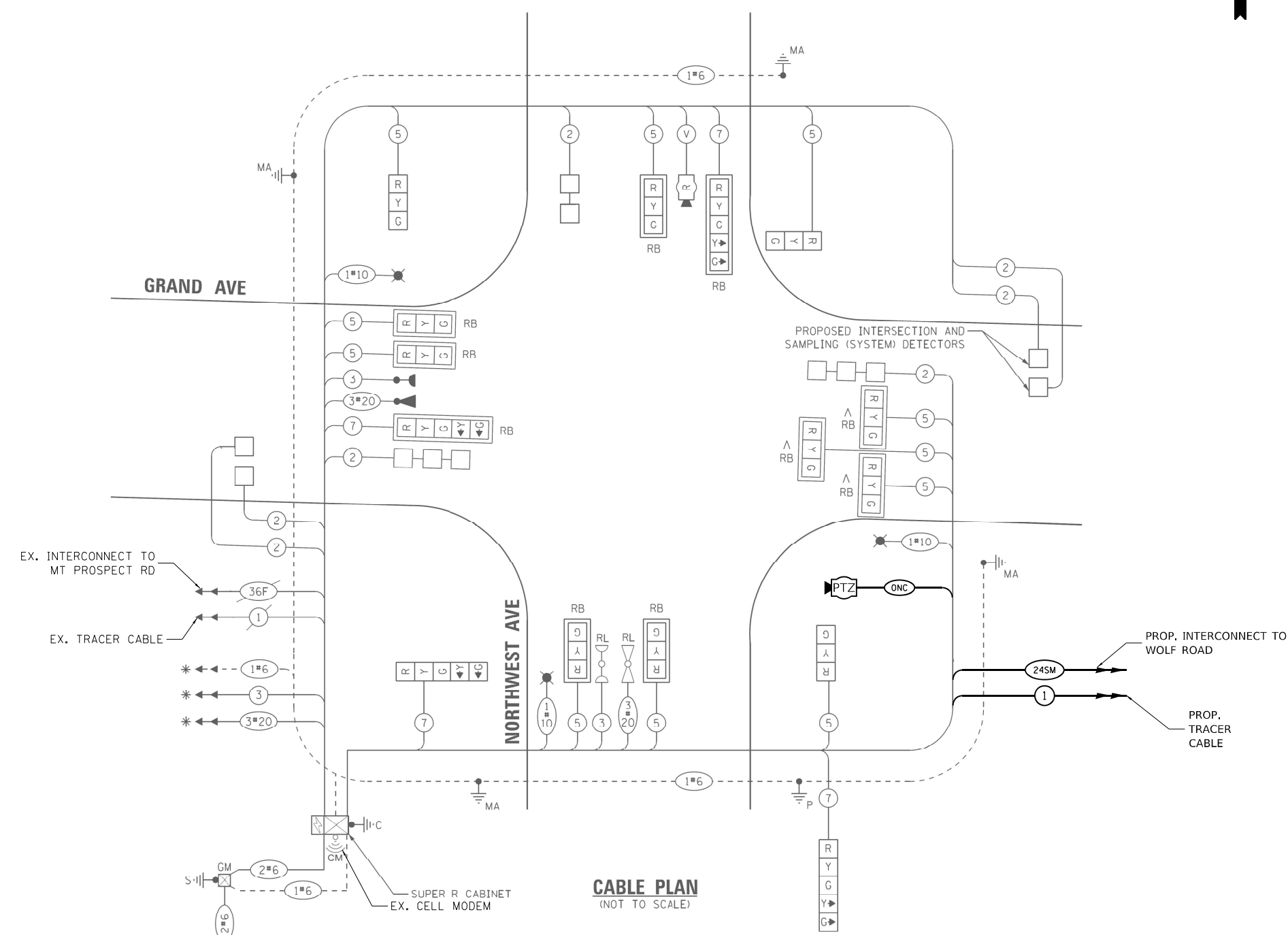
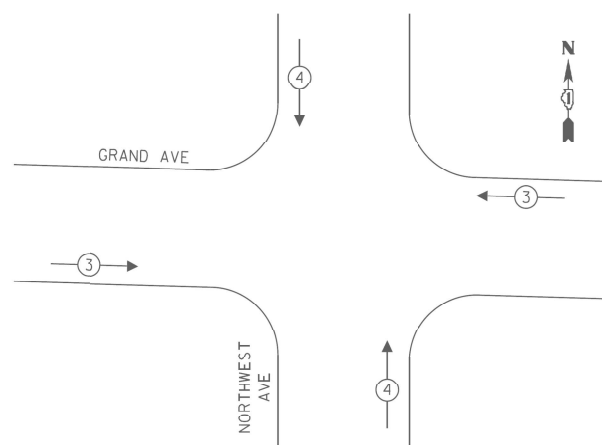
**TS 5211  
IDOT CENTRACS  
SECTION 244**



**PROPOSED CONTROLLER SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	170
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1

**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	8	10	10	8.0
PED. SIGNAL	-	20	100	-
CONTROLLER	2	100	100	200.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	3	200	100	600.0
<b>TOTAL =</b>				<b>1161.5</b>

ENERGY COSTS TO:  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 W. CENTER CT.  
 SCHAUMBURG, IL 60196-1096  
 ENERGY SUPPLY: CONTACT: JENNIFER BERTHOLD  
 PHONE: (708) 410-5314  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

\* EASTBOUND EMERGENCY VEHICLE LIGHT DETECTOR AND CONFIRMATION BEACON FOR THIS INTERSECTION LOCATED AT THE INTERSECTION OF GRAND AVE AND MT PROSPECT RD  
 ^ SIGNAL HEADS HORIZONTALLY MOUNTED

MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS - INC\Systems - Midwest - Chicago Construction\DOT - 204-010-D1-APS-PROJECT-MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheet33\_D162W91-1-TR-CAB1.dgn



USER NAME = bfunk	DESIGNED - TZ	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - TZ	REVISED -
PLOT DATE = 3/19/2026	CHECKED - BF	REVISED -
	DATE - 3/19/26	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
 GRAND AVENUE AND NORTHWEST AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

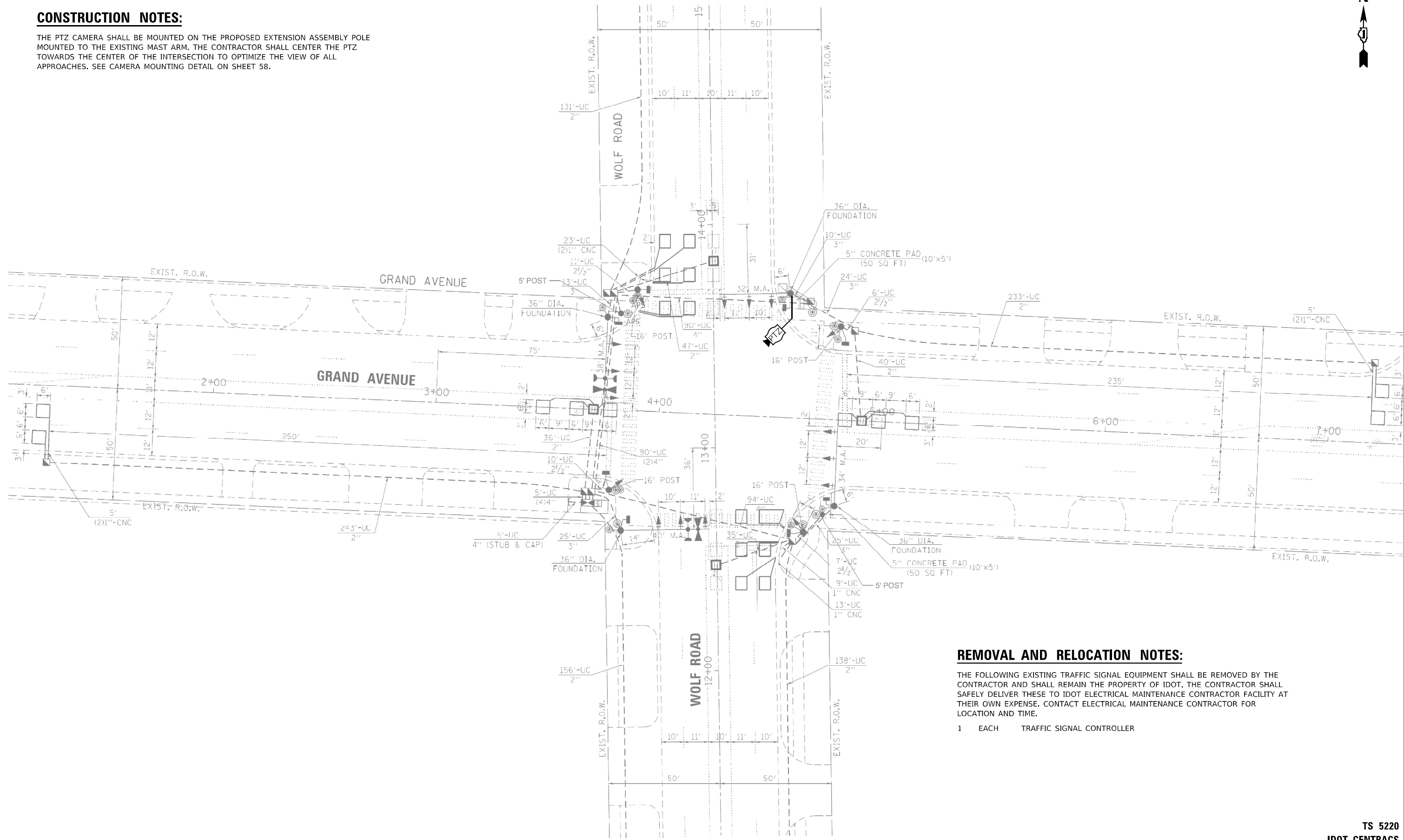
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	28
			CONTRACT NO. 62W91	
ILLINOIS FED. AID PROJECT				

**TS 5211  
 IDOT CENTRACS  
 SECTION 244**



**CONSTRUCTION NOTES:**

THE PTZ CAMERA SHALL BE MOUNTED ON THE PROPOSED EXTENSION ASSEMBLY POLE MOUNTED TO THE EXISTING MAST ARM. THE CONTRACTOR SHALL CENTER THE PTZ TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE CAMERA MOUNTING DETAIL ON SHEET 58.



**REMOVAL AND RELOCATION NOTES:**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF 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 TRAFFIC SIGNAL CONTROLLER

MODEL: D:\default...  
 FILE NAME: C:\Sharepoint\ITERIS...  
 Chicago Construction\IDOT\_PFB\_204\0101\_D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets3\_D162W91-1-TR-CAB1.E.dgn



USER NAME = bfunk	DESIGNED - TZ	REVISED -
	DRAWN - TZ	REVISED -
PLOT SCALE = 100,0012' / in.	CHECKED - BF	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/19/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

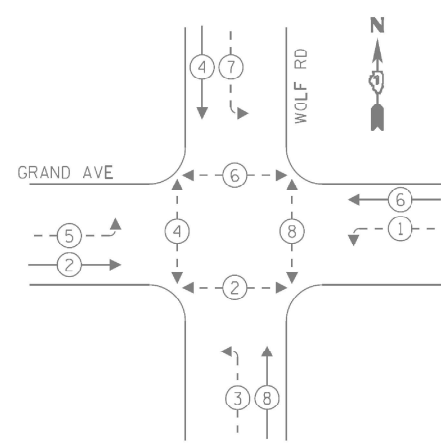
<b>TRAFFIC SIGNAL MODIFICATION PLAN GRAND AVENUE AND WOLF ROAD</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	29
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

**TS 5220  
IDOT CENTRACS  
SECTION 244**



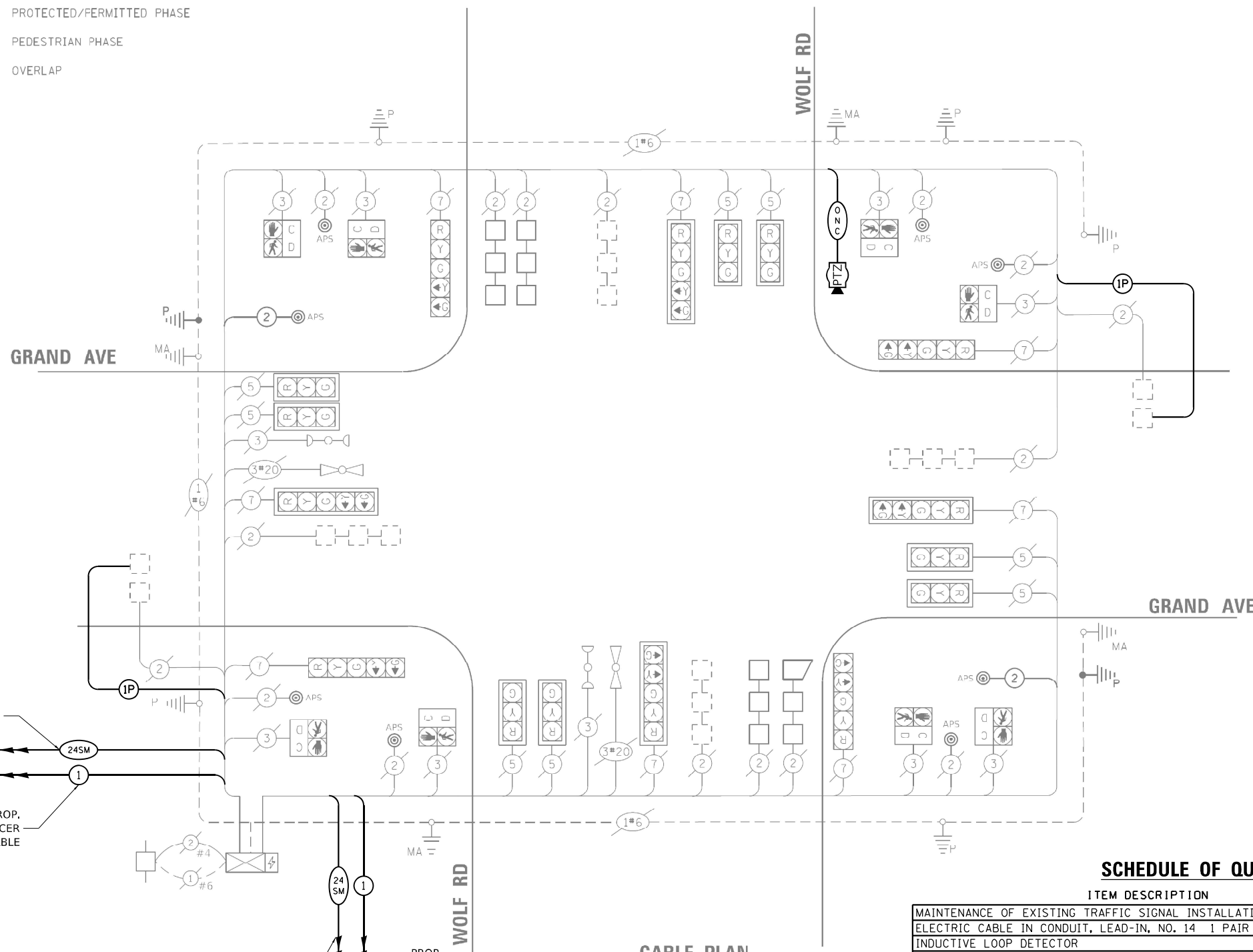
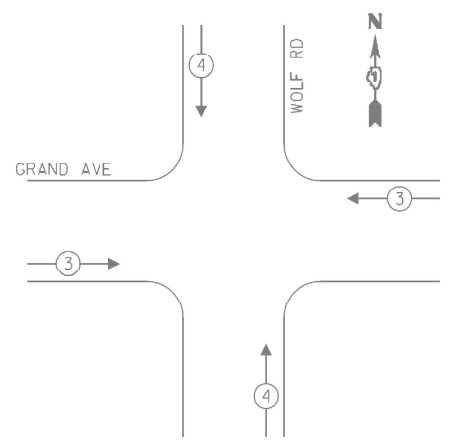
**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

- ← (⊙) ← PROTECTED PHASE
- ← (⊙) - - PROTECTED/FERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE
- ← (⊙) OL OVERLAP

**EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	8	11
	4-SECTION	-	14
	5-SECTION	8	13
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	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL UPS SIZING</b>		<b>487</b>	
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	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1092</b>	

PROP. INTERCONNECT TO NORTHWEST AVE

PROP. TRACER CABLE

ENERGY COSTS - BILLED TO:  
ILLINOIS DEPT OF TRANSPORTATION  
201 W CENTER COURT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: ERICKA IRBY  
PHONE: 779-231-0633  
COMPANY: COMED  
ACCOUNT NO: 09340-64114

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	764
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
** CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	278
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

\*\* CENTRACS LICENSE TO BE PROVIDED BY IDOT TRAFFIC

**TS 5220**  
**IDOT CENTRACS**  
**SECTION 244**

MODEL: D:\p\h\iteris\inc\share\project\iteris - midwest - Chicago Construction\IDOT\_PFB\_204\010.D1\_APS\_PROJECT\_MANAGEMENT\12369 - W011 - Various Interconnect\CADD\Sheets\3\_D\62W91-1-INT-CAB1.E.dgn



USER NAME = bfunck	DESIGNED - TZ	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - TZ	REVISED -
PLOT DATE = 3/23/2026	CHECKED - BF	REVISED -
	DATE - 3/19/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
GRAND AVENUE AND WOLF ROAD**

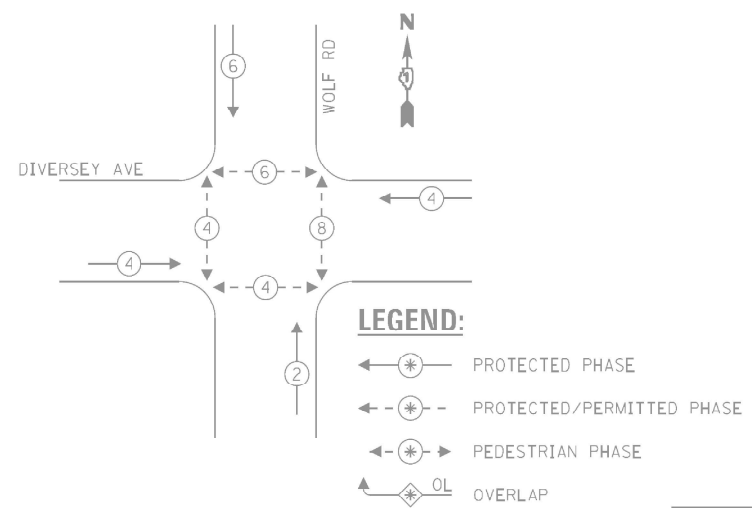
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	30
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

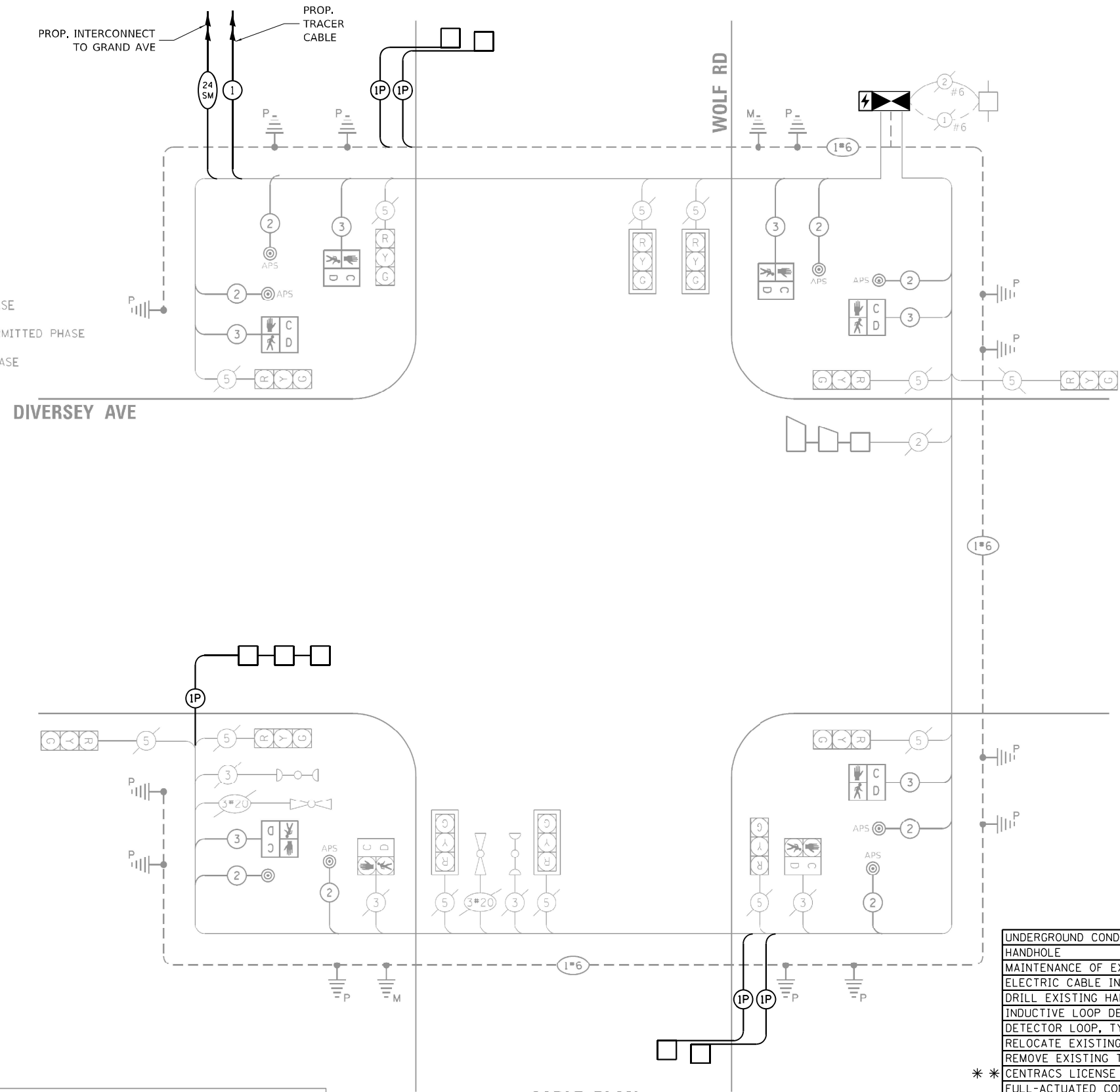
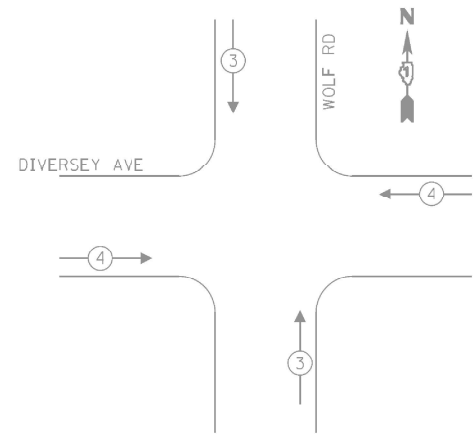




**PROPOSED CONTROLLER SEQUENCE**



**EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

ENERGY COSTS - BILLED TO:  
LEYDEN TOWNSHIP  
2501 N MANNHEIM ROAD  
FRANKLIN PARK, IL 60131

ENERGY SUPPLY: CONTACT: ERICKA IRBY  
PHONE: 779-231-0633  
COMPANY: COMED  
ACCOUNT NO: 23610-70039

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	211
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1499
DRILL EXISTING HANDHOLE	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	81
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* * CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

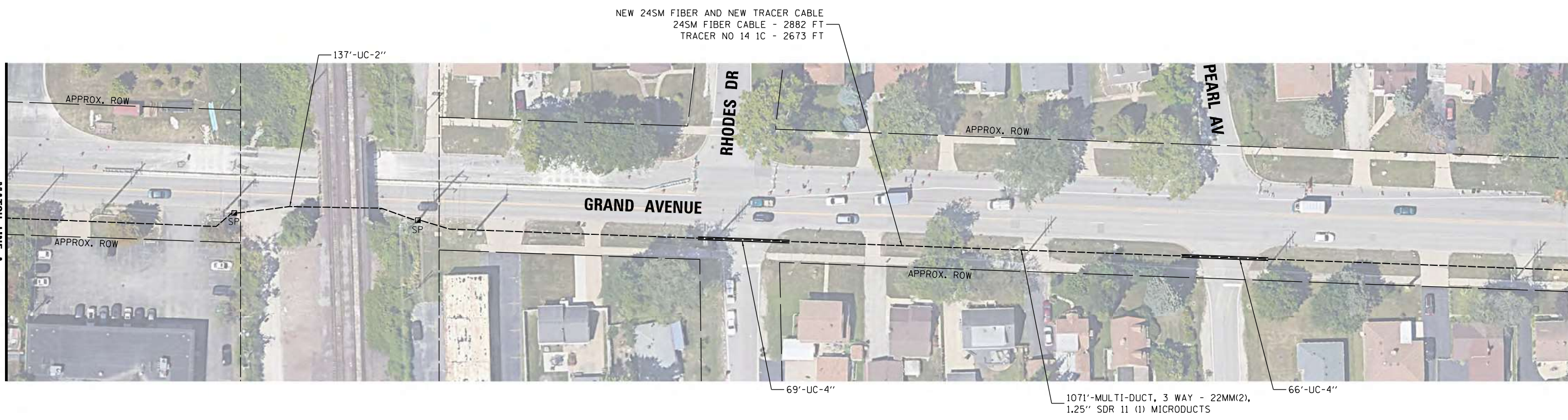
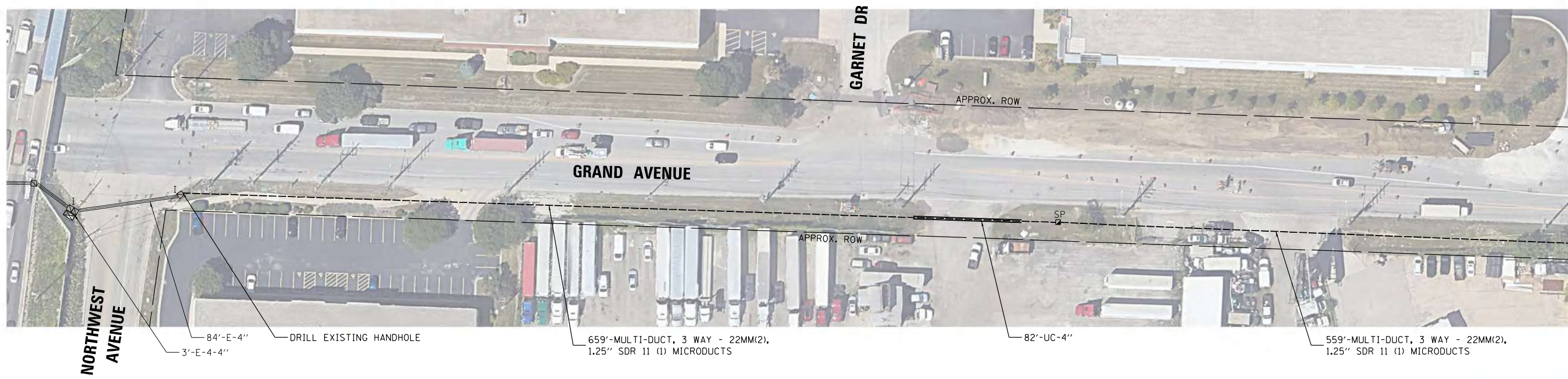
\* \* CENTRACS LICENSE TO BE PROVIDED BY IDOT TRAFFIC

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL UPS SIZING</b>		<b>427</b>	
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	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1032</b>	

**TS 22290**  
**IDOT CENTRACS**  
**SECTION 244**

MODEL: D:\p\h\... FILE NAME: C:\Users\... PROJECT: CHICAGO CONSTRUCTION IDOT PBE 204-010 D1 APS PROJECT MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets\3\_D\62W91-1-INT-CABLE.dgn

	USER NAME = bfunck	DESIGNED - TZ	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL CABLE PLAN</b> <b>WOLF ROAD AND DIVERSEY PARKWAY</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - BF	REVISED -			VAR	2024-966-TS	COOK	60	32
	PLOT DATE = 5/8/2026	DATE - 5/8/26	REVISED -	SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62W91			
							ILLINOIS FED. AID PROJECT			



MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204-010.D1\_APS\_PROJECT\_MANAGEMENT\112369 - W011 - Various Interconnect\CADD\Sheets\0162\091\_INT\_Centracs\connect\_016n.dgn

**IDOT CENTRACS  
SECTION 244**



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION C  
GRAND AVENUE - NORTHWEST AVENUE TO WOLF ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	33
CONTRACT NO. 62W91			ILLINOIS FED. AID PROJECT	



MATCH LINE B (SEE SHEET 33)

MATCH LINE C

DERROUGH AV

SANDRA AV

GRAND AVENUE

MARTIN AV

61'-UC-4"

68'-UC-4"

1319'-MULTI-DUCT, 3 WAY - 22MM(2),  
1.25" SDR 11 (1) MICRODUCTS

NEW 24SM FIBER AND NEW TRACER CABLE  
24SM FIBER CABLE - 1640 FT  
TRACER NO 14 1C - 1476 FT



MATCH LINE C

MARION AV

WOLF RD

GRAND AVENUE

80'-UC-4"

243'-E-2"

5'-E-4-4"

MATCH LINE D (SEE SHEET 35)

DRILL EXISTING HANDHOLE

MODEL: Default  
FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204-010\_D1\_APS\_PROJECT\_MANAGEMENT\112369 - W0 11 - Various Interconnect\CADD\Sheets\0162\091\_INT\_Centerconnect\_R0n.dgn

**IDOT CENTRACS  
SECTION 244**



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION C  
GRAND AVENUE - NORTHWEST AVENUE TO WOLF ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	34
			CONTRACT NO. 62W91	
		ILLINOIS FED. AID PROJECT		



MATCH LINE D (SEE SHEET 34)

242'-E-1/4"

214'-E-1/4"

217'-E-1/4"

81'-E-2/2"

13'-E-2-3"

NEW 24SM FIBER AND NEW TRACER CABLE  
 24SM FIBER CABLE - 1104 FT  
 TRACER NO 14 1C - 828 FT



MODEL: D:\default  
 FILE NAME: C:\Sharepoint\ITERIS - INCS\Systems - Midwest - Chicago Construction\IDOT - PFB\_204-010-D1\_APS\_PROJECT\_MANAGEMENT\12369 - WO 11 - Various Interconnect\CADD\Sheets\12369 - WO 11 - Various Interconnect\12369 - WO 11 - Various Interconnect.dgn

IDOT CENTRACS  
SECTION 244



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/4/26	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN - LOCATION C  
WOLF ROAD - GRAND AVENUE TO DIVERSEY AVENUE

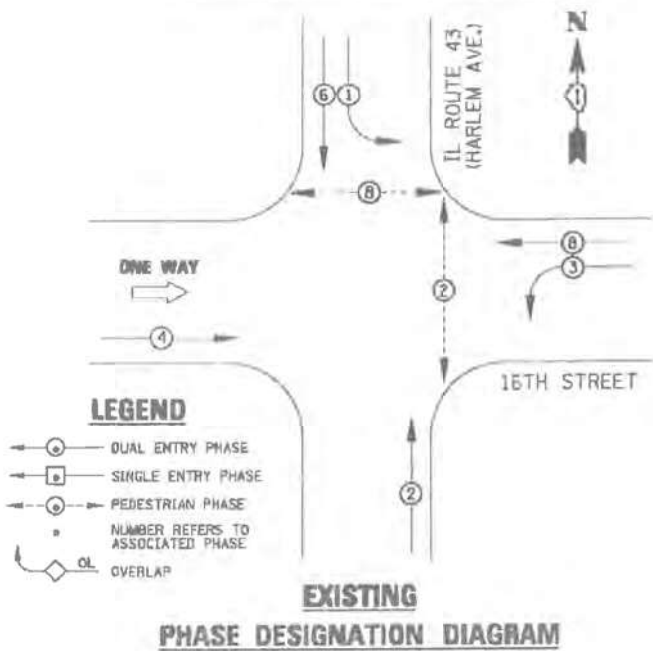
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-066-TS	COOK	60	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W91	





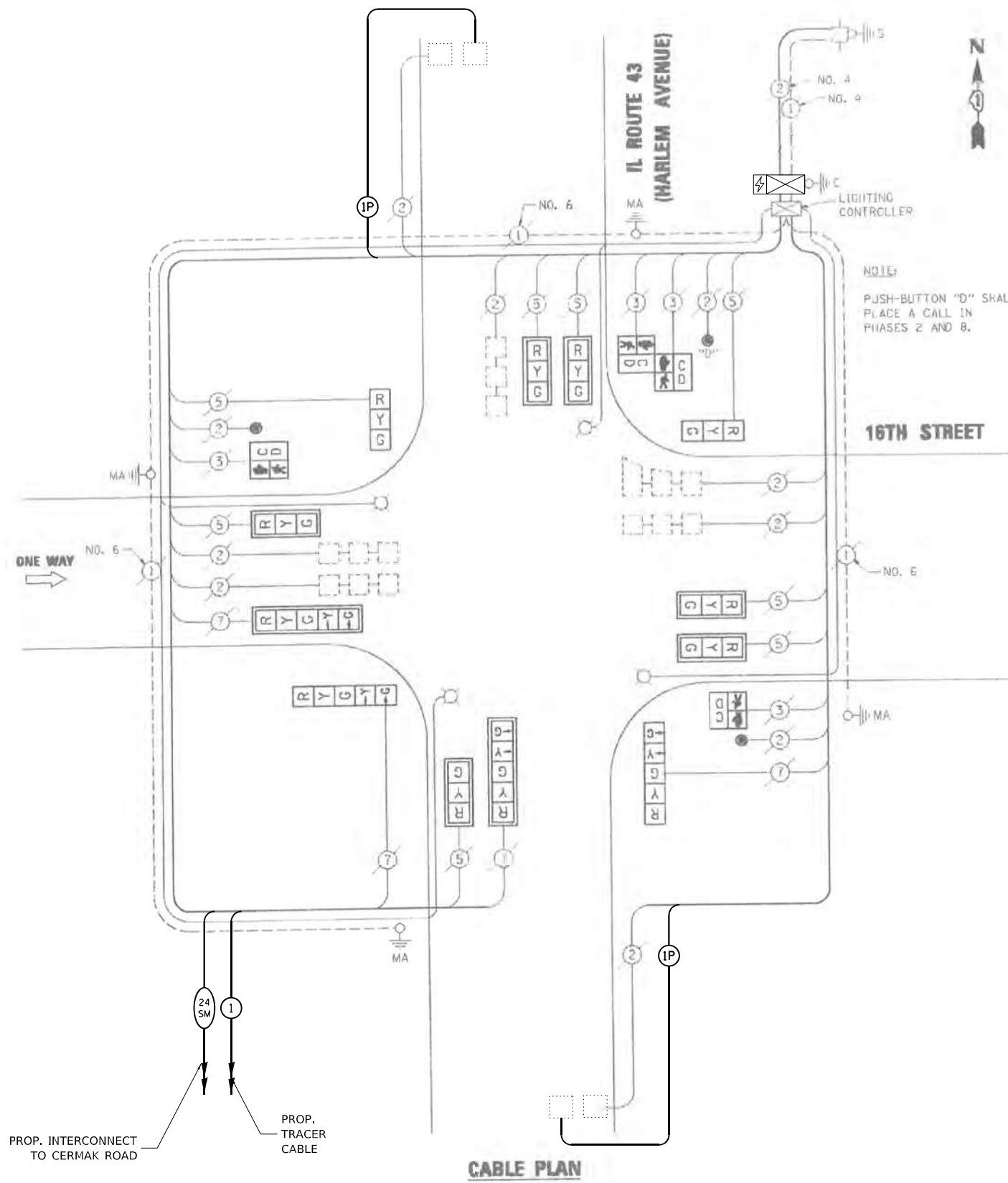
**EXISTING CONTROLLER SEQUENCE**



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	723
INDUCTIVE LOOP DETECTOR	EACH	2
** CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

\*\* CENTRACS LICENSE TO BE PROVIDED BY IDOT TRAFFIC



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCANDESCENT	WATTAGE LED	%OPERATION	
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	9.6
PLD. SIGNAL	4	40	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84	100	0.50	
FLASHER		135	25	0.50	
ENERGY COSTS TO:					TOTAL = 431.6

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

ENERGY SUPPLY CONTACT: X  
PHONE: X  
COMPANY: X

MODEL: Default; FILE NAME: C:\Sharepoint\ITERIS - Midwest - Chicago Construction\IDOT\_PFB\_204-010-D1\_APS\_PROJECT\_MANAGEMENT\12369 - NO. 11 - Various Interconnect\CADD\Sheets\4\_D1621W91-1-01-CAB1.dgn



USER NAME = bfunk  
PLOT SCALE = 100,0000' / in.  
PLOT DATE = 5/7/2026

DESIGNED - TZ  
DRAWN - TZ  
CHECKED - BF  
DATE - 2/4/25

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
IL ROUTE 43 (HARLEM AVENUE) AND 16TH STREET**

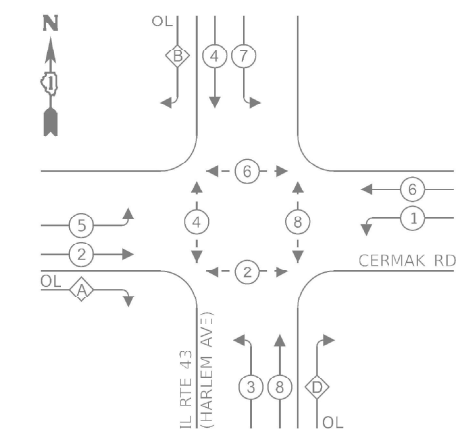
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	38
CONTRACT NO. 62W91				

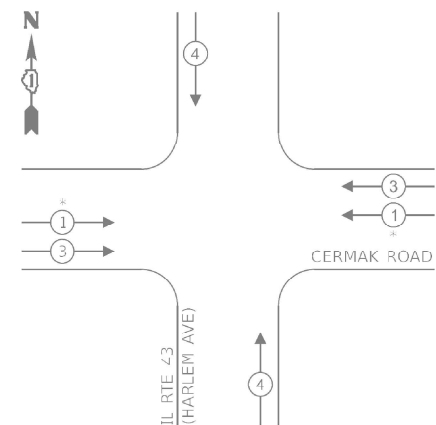
ILLINOIS FED. AID PROJECT

**TS 2110  
IDOT CENTRACS  
SECTION 30**

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

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

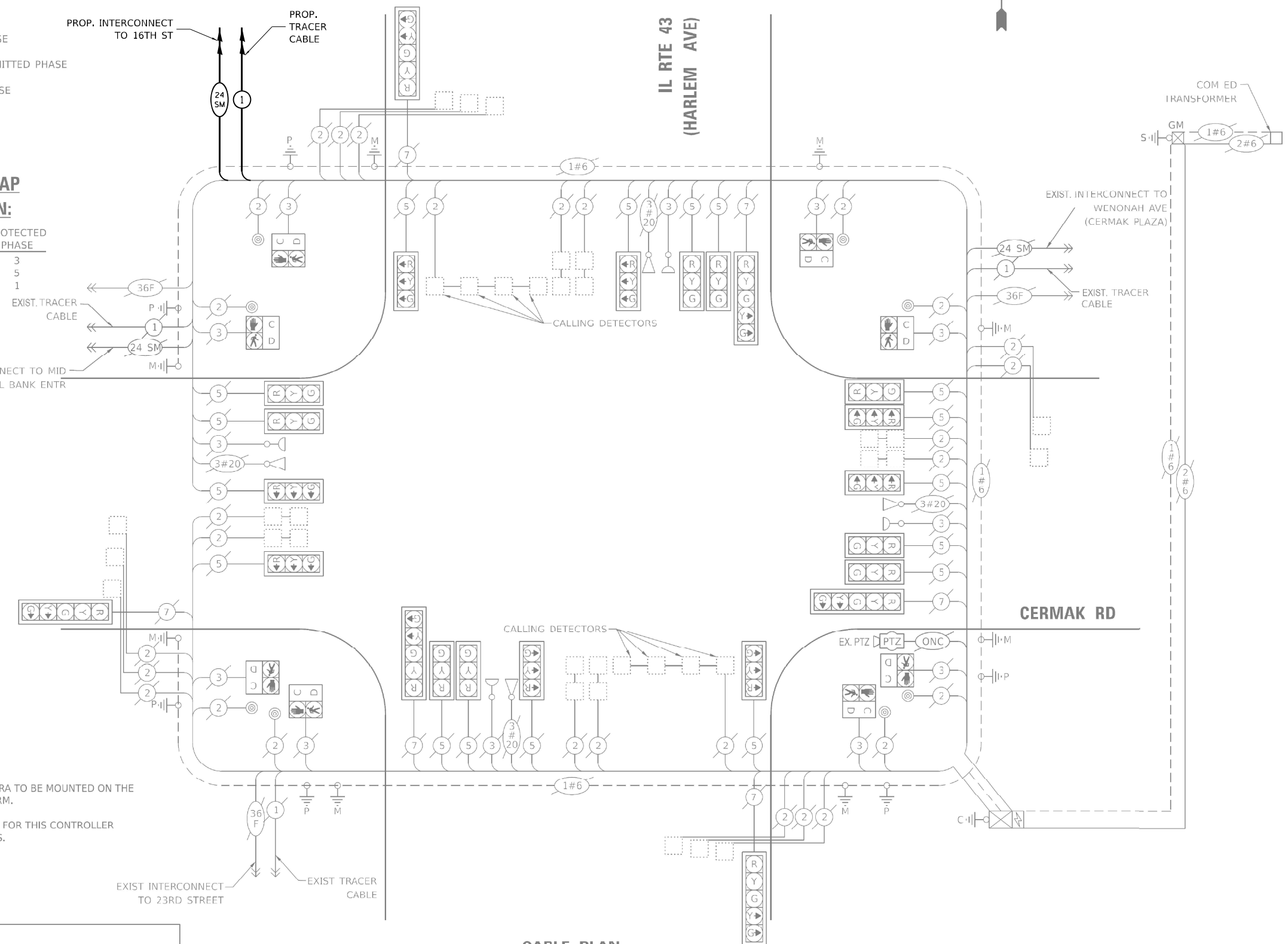
**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
B	4	5
D	8	1

- NOTES:**
- PTZ CAMERA TO BE MOUNTED ON THE LUMINAIRE ARM.
  - SOFTWARE FOR THIS CONTROLLER SHALL BE EOS.

ENERGY COSTS TO:  
CITY OF BERWYN  
6700 W 26TH STREET  
BERWYN, ILLINOIS 60402

ENERGY SUPPLY: CONTACT: TRACY WASH  
PHONE: (224) 254-4279  
COMPANY: COMED  
ACCOUNT NUMBER: 53230-22014  
METER NUMBER: ---



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TERMINATE FIBER IN CABINET	EACH	4

**TS 2280**  
**IDOT CENTRACS**  
**SECTION 30**

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	17	11	187
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
PTZ CAMERA	1	75	75
<b>TOTAL UPS SIZING</b>		<b>670</b>	
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	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1275</b>	

**iteris**

USER NAME = bfunck  
DESIGNED - TZ  
DRAWN - TZ  
PLOT SCALE = 100,0000' / in.  
PLOT DATE = 3/23/2026

REVISIED -  
REVISED -  
REVISED -  
REVISED -

DATE - 3/20/26

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

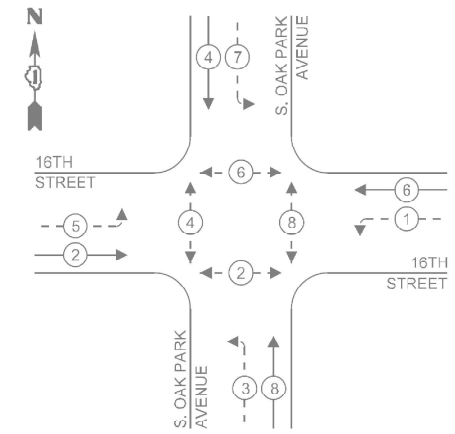
**TRAFFIC SIGNAL CABLE PLAN**  
**IL 43 (HARLEM AVENUE) AND CERMAK ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	39
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
FILE NAME: C:\Users\mcc\Documents\ITERIS - Midwest - Chicago Construction\IDOT\_PBE\_204\010\_D1\_APS\_PROJECT\_MANAGEMENT\112369 - W0 11 - Various Interconnect\CADD\Sheet\4\_D162\W91-LIN-CAB1.E.dgn

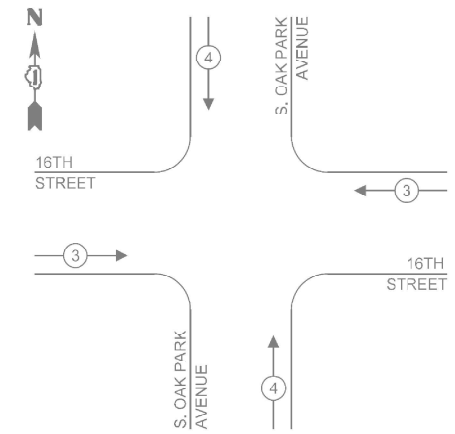
**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

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

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**

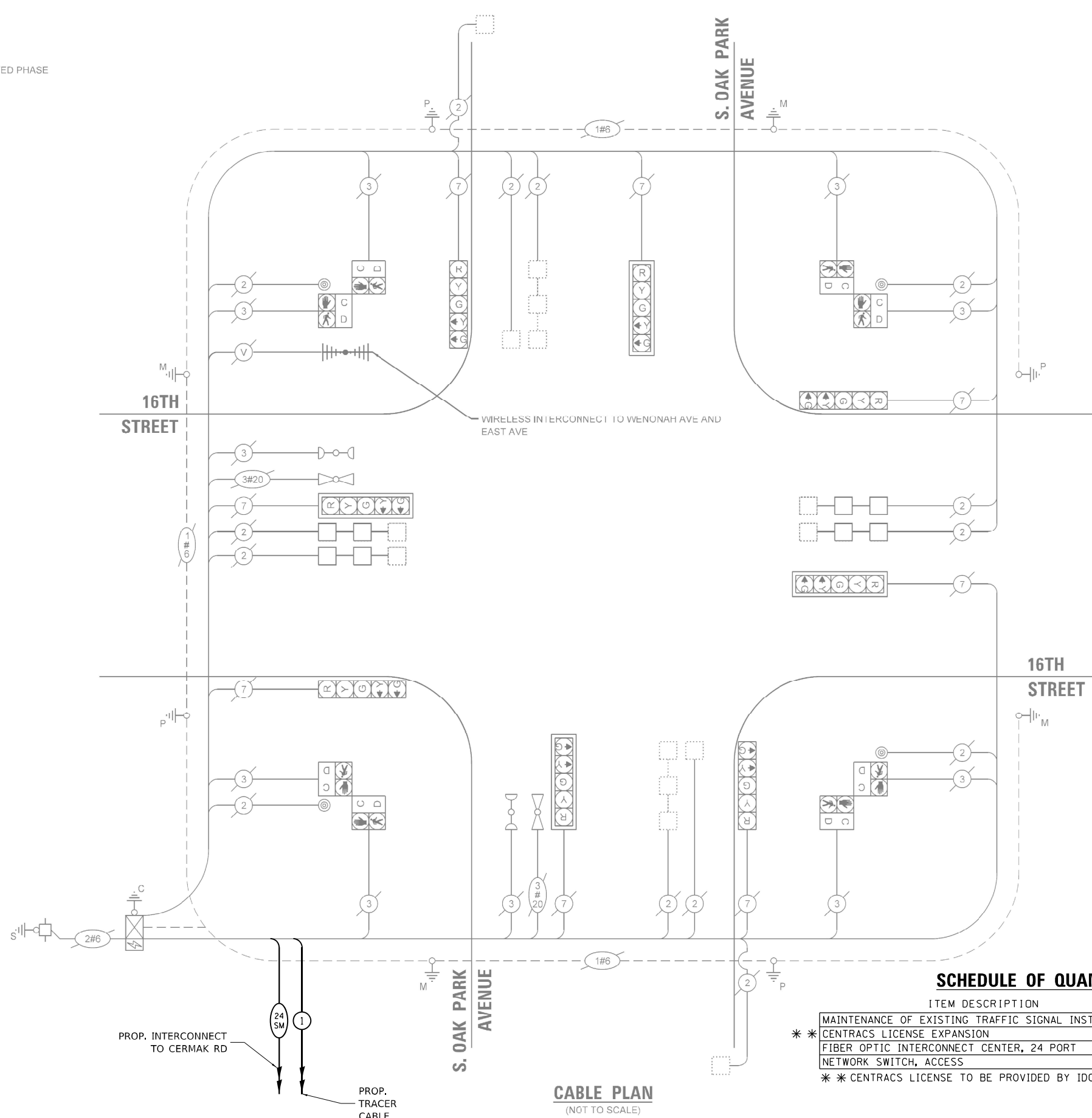


**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	-	11
	4-SECTION	-	14
	5-SECTION	8	104
PROGRAMMABLE SIGNAL	3-SECTION	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	-	20
	VIDEO	-	20
BI ANK-OUT SIGN	-	25	-
NETWORK SWITCH (II OR III)	-	35	-
CELLULAR MODEM	-	15	-
TOTAL FOR UPS =			399
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 FOR SERVICE =			1,004

ENERGY COSTS TO:  
**BERWYN PUBLIC WORKS**  
 6700 W 30TH ST  
 BERWYN, IL 60402

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPT.  
 PHONE: (866) 639-3532  
 COMPANY: COM-ED  
 ACCOUNT NUMBER: -



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

\* \* CENTRACS LICENSE TO BE PROVIDED BY IDOT TRAFFIC

**CABLE PLAN**  
(NOT TO SCALE)

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
 OAK PARK AVENUE AND 16TH STREET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	40

CONTRACT NO. 62W91  
 ILLINOIS FED. AID PROJECT

TS 7925  
 IDOT CENTRACS  
 SECTION 30

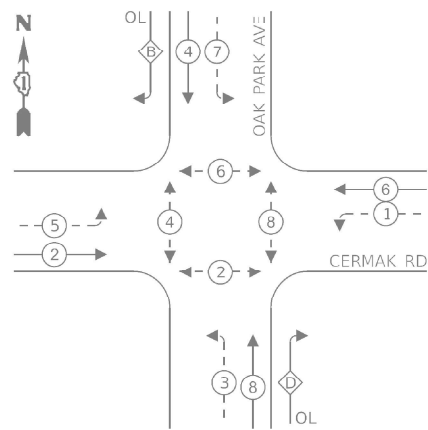


USER NAME = bfunck	DESIGNED - TZ	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - TZ	REVISED -
PLOT DATE = 5/5/2026	CHECKED - BF	REVISED -
	DATE - 5/4/26	REVISED -

MODEL: D:\p\h\iteris\inc\systems\midwest - Chicago\Construction\IDOT\_PBE\_204\010.D1\_APS\_PROJECT\_MANAGEMENT\12369 - W01.11 - Various Interconnect\CADD\Sheets\4\_D\62W91-1-31-CAB.E.dgn



**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

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

**RIGHT TURN OVERLAP**

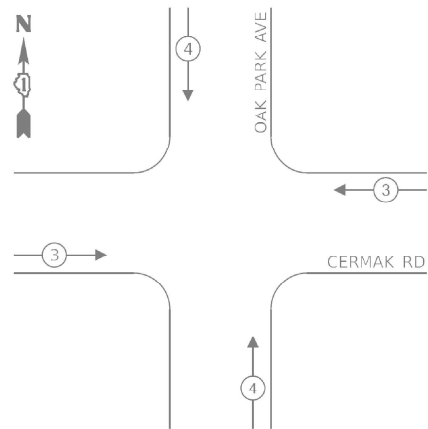
**PHASE DESIGNATION:**

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

EXIST. INTERCONNECT TO HOME AVE

EXIST. INTERCONNECT TO HOME AVE

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



PROP. INTERCONNECT TO 16TH ST

PROP. TRACER CABLE

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

EXIST. INTERCONNECT TO HOME AVE

EXIST. INTERCONNECT TO HOME AVE

EXIST. INTERCONNECT TO HOME AVE

EXIST. INTERCONNECT TO HOME AVE

EXIST. TRACER CABLE

EXIST. INTERCONNECT TO RIVERSIDE DR/WESLEY AVE

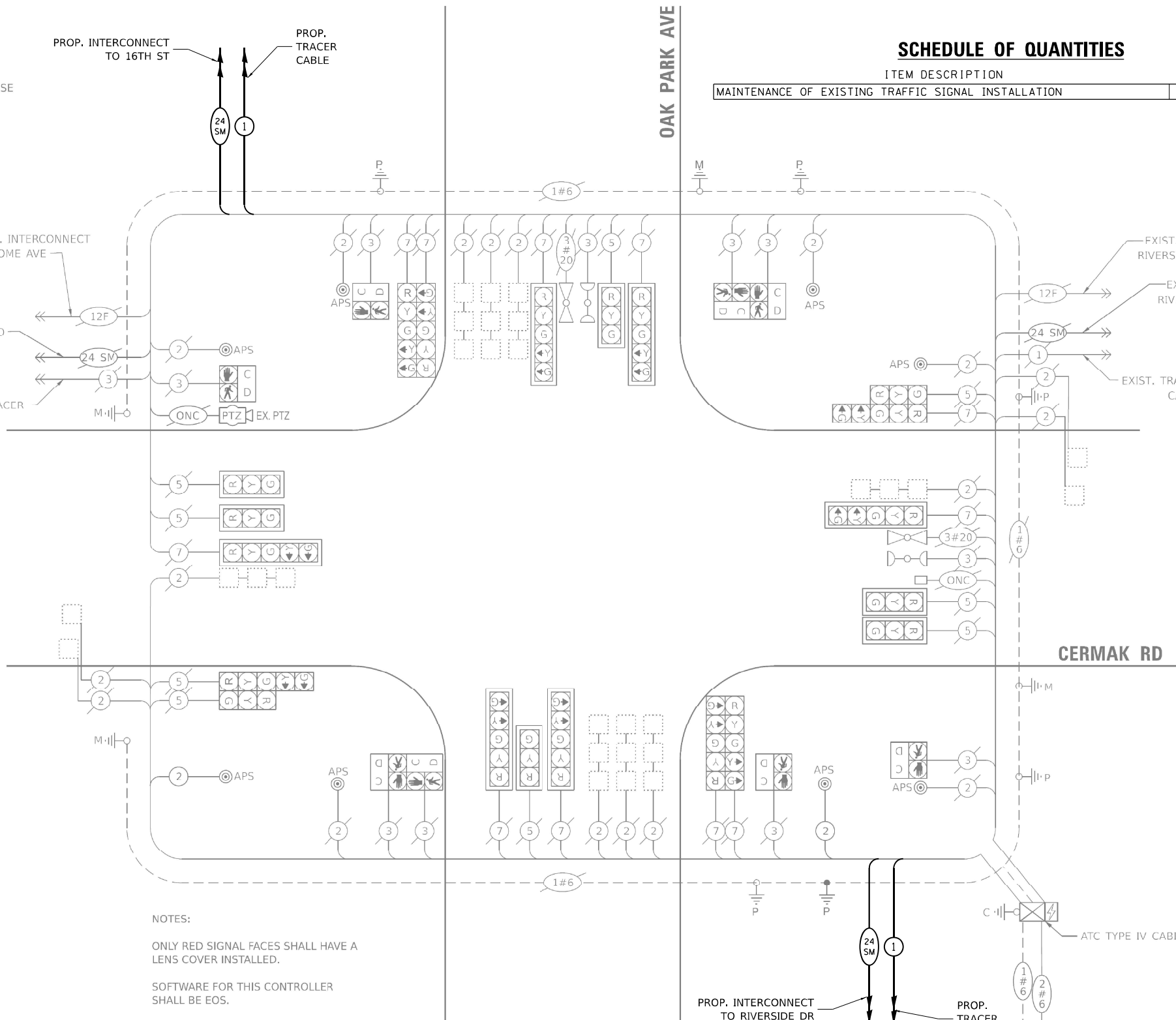
EXIST. INTERCONNECT TO RIVERSIDE DR/WESLEY AVE

EXIST. INTERCONNECT TO RIVERSIDE DR/WESLEY AVE

EXIST. INTERCONNECT TO RIVERSIDE DR/WESLEY AVE

EXIST. TRACER CABLE

EXIST. TRACER CABLE



NOTES:  
 ONLY RED SIGNAL FACES SHALL HAVE A LENS COVER INSTALLED.  
 SOFTWARE FOR THIS CONTROLLER SHALL BE EOS.

**CABLE PLAN**  
(NOT TO SCALE)

PROP. INTERCONNECT TO RIVERSIDE DR

PROP. TRACER CABLE

ATC TYPE IV CABINET

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	12	13	156
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	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
PTZ CAMERA	1	75	75
<b>TOTAL UPS SIZING</b>		<b>649</b>	
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	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1254</b>	

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

ENERGY SUPPLY: CONTACT: ERICKA IRBY  
 PHONE: (779) 231-0633  
 COMPANY: COMED  
 ACCOUNT NUMBER: 20010-01058  
 METER NUMBER: ---



USER NAME = bfunck  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 3/23/2026

DESIGNED - TZ  
 DRAWN - TZ  
 CHECKED - BF  
 DATE - 3/20/26

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN**  
**OAK PARK AVENUE AND CERMAK ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	41

CONTRACT NO. 62W91  
 ILLINOIS FED. AID PROJECT

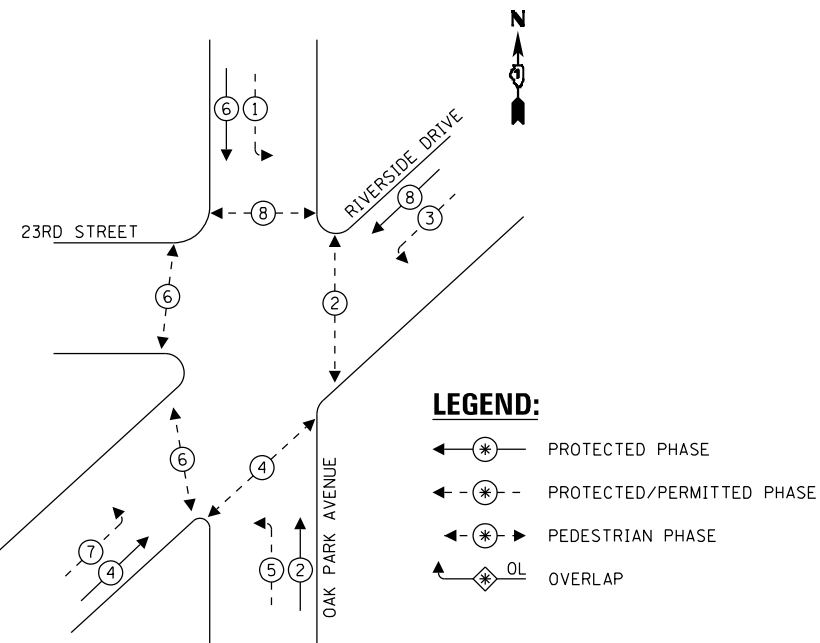
**TS 4830**  
**IDOT CENTRACS**  
**SECTION 30**

MODEL: D:\p\iteris\inc\sharepoint\iteris\inc\sharepoint\dot\p\204\010\1\_aps\project\management\12369 - WO 11 - Various Interconnect\CADD\Sheet\k\_d\62W91-1-31-CAB1.E.dgn

**EXISTING CONTROLLER SEQUENCE**



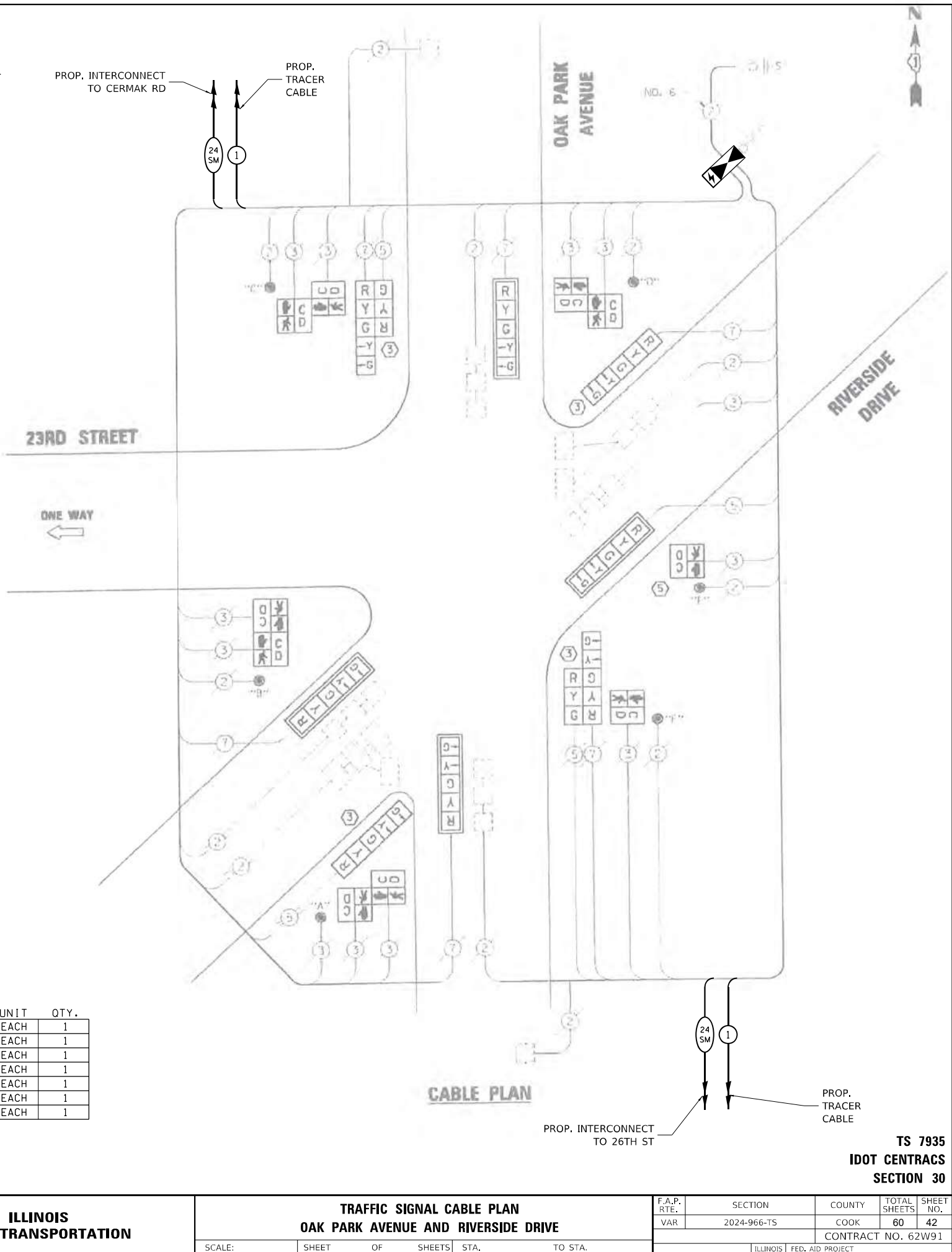
**PROPOSED CONTROLLER SEQUENCE**



**REMOVAL AND RELOCATION NOTES:**

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

- 1 EACH TRAFFIC SIGNAL CONTROLLER AND CABINET (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY AND CABINET



**CABLE PLAN**

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE (LED)	OPERATION	
SIGNAL (RED)	10	135	17	0.50	85
(YEL. - OW)	10	135	25	0.25	62.5
(GREEN)	10	135	15	0.25	37.5
ARROW	16	135	12	0.10	19.2
PLD. SIGNAL	10	90	25	1.00	250
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84	100	0.50	
FLASHER		135	25	0.50	
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096					<b>554.2</b>
ENERGY SUPPLY CONTACT: X					
PHONE: X					
COMPANY: X					

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* * CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
* * CENTRACS LICENSE TO BE PROVIDED BY IDOT TRAFFIC		

MODEL: Default  
FILE NAME: C:\Sharepoint\ITERIS - Midwest - Chicago Construction\IDOT - PBE\_204-010-D1\_APS\_PROJECT\_MANAGEMENT\112369 - W0 11 - Various Interconnect\CADD\Sheet\4\_D162W91-1-TR-CAB1.dgn



USER NAME = bfunk	DESIGNED - TZ	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - TZ	REVISED -
PLOT DATE = 3/23/2026	CHECKED - BF	REVISED -
	DATE - 3/20/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
OAK PARK AVENUE AND RIVERSIDE DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	42
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

**TS 7935  
IDOT CENTRACS  
SECTION 30**



### REMOVAL AND RELOCATION NOTES:

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

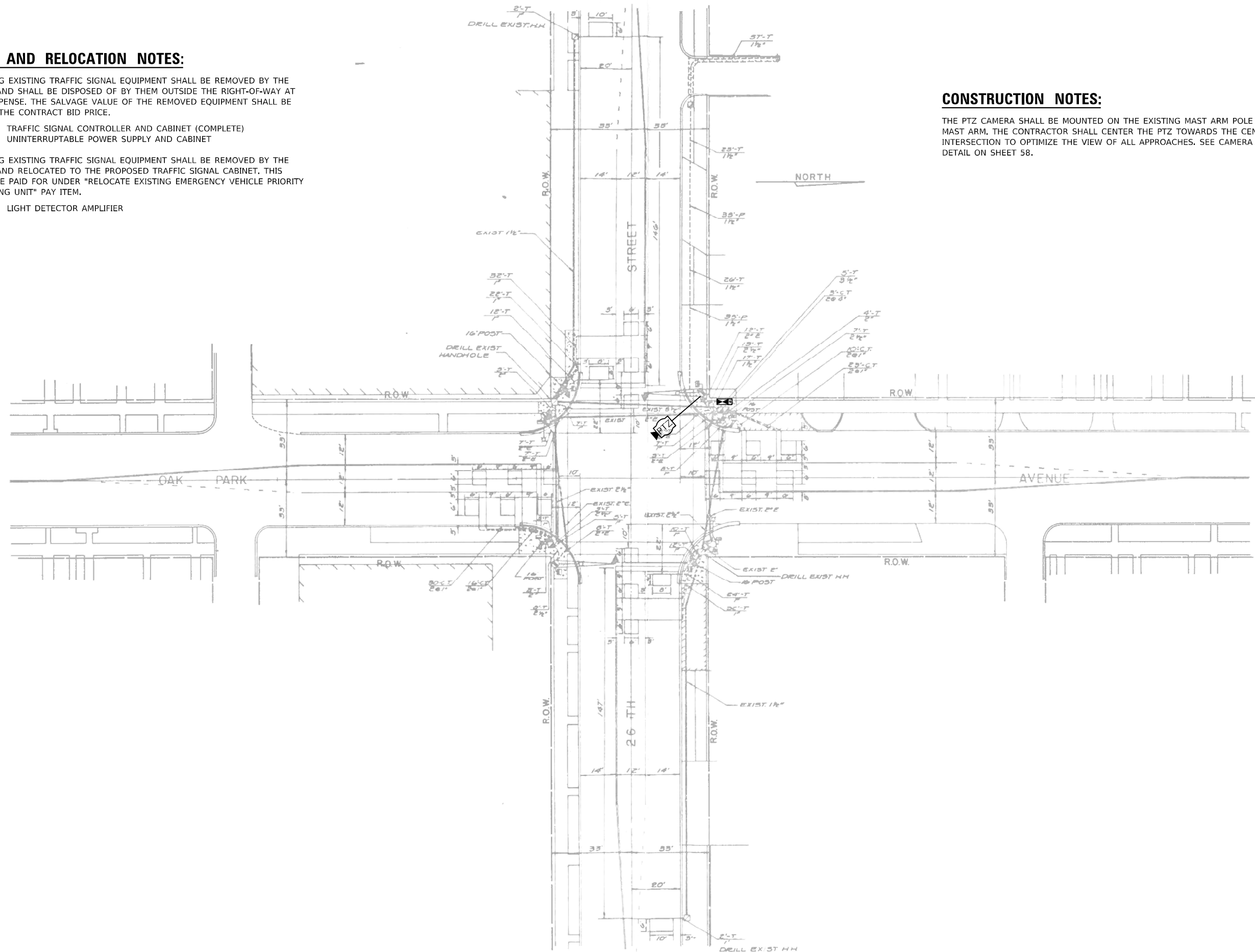
- 1 EACH TRAFFIC SIGNAL CONTROLLER AND CABINET (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY AND CABINET

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

- 1 EACH LIGHT DETECTOR AMPLIFIER

### CONSTRUCTION NOTES:

THE PTZ CAMERA SHALL BE MOUNTED ON THE EXISTING MAST ARM POLE UNDER THE MAST ARM, THE CONTRACTOR SHALL CENTER THE PTZ TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE CAMERA MOUNTING DETAIL ON SHEET 58.



MODEL Default  
FILE NAME C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PTB\_204-010-D1\_APS\_PROJECT\_MANAGEMENT\17369 - WO 11 - Various Interconnect\CADD\Sheet33.dwg D:\62W91-1-INT-CAB1.E.dwg



USER NAME = bfunk	DESIGNED - TZ	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - TZ	REVISED -
PLOT DATE = 3/23/2026	CHECKED - BF	REVISED -
	DATE - 3/20/26	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

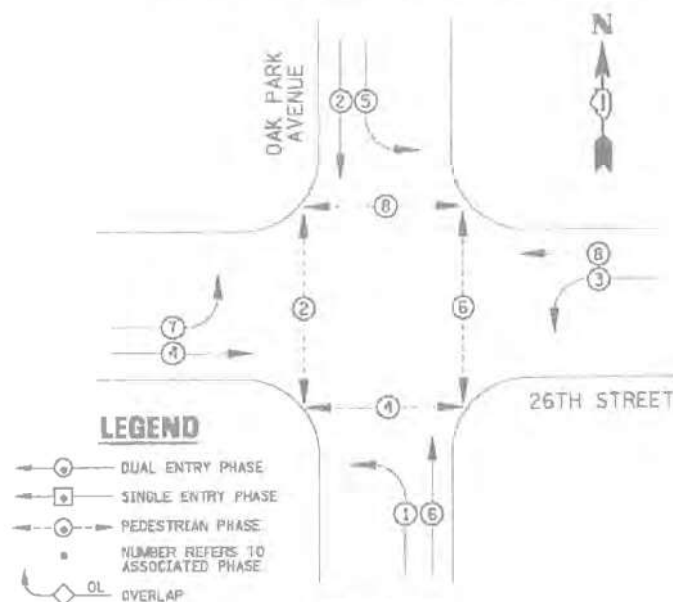
TRAFFIC SIGNAL MODIFICATION PLAN  
OAK PARK AVENUE AND 26TH STREET

SCALE: SHEET OF SHEETS STA. TO STA.

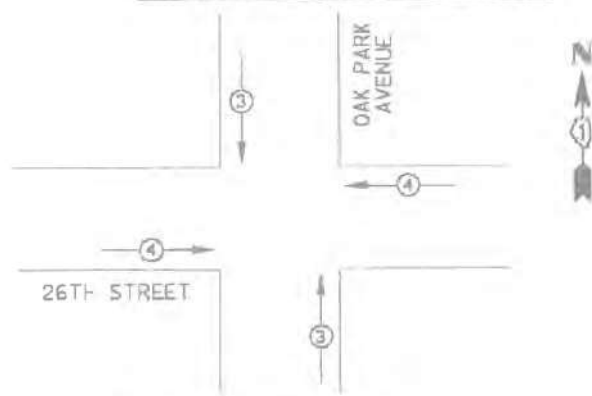
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	43
			CONTRACT NO. 62W91	
ILLINOIS FED. AID PROJECT				

TS 7915  
IDOT CENTRACS  
SECTION 30

**EXISTING CONTROLLER SEQUENCE**



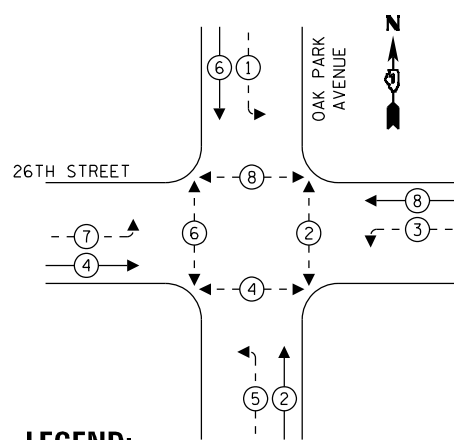
**EXISTING PHASE DESIGNATION DIAGRAM**



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑	→

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**

**PROPOSED CONTROLLER SEQUENCE**



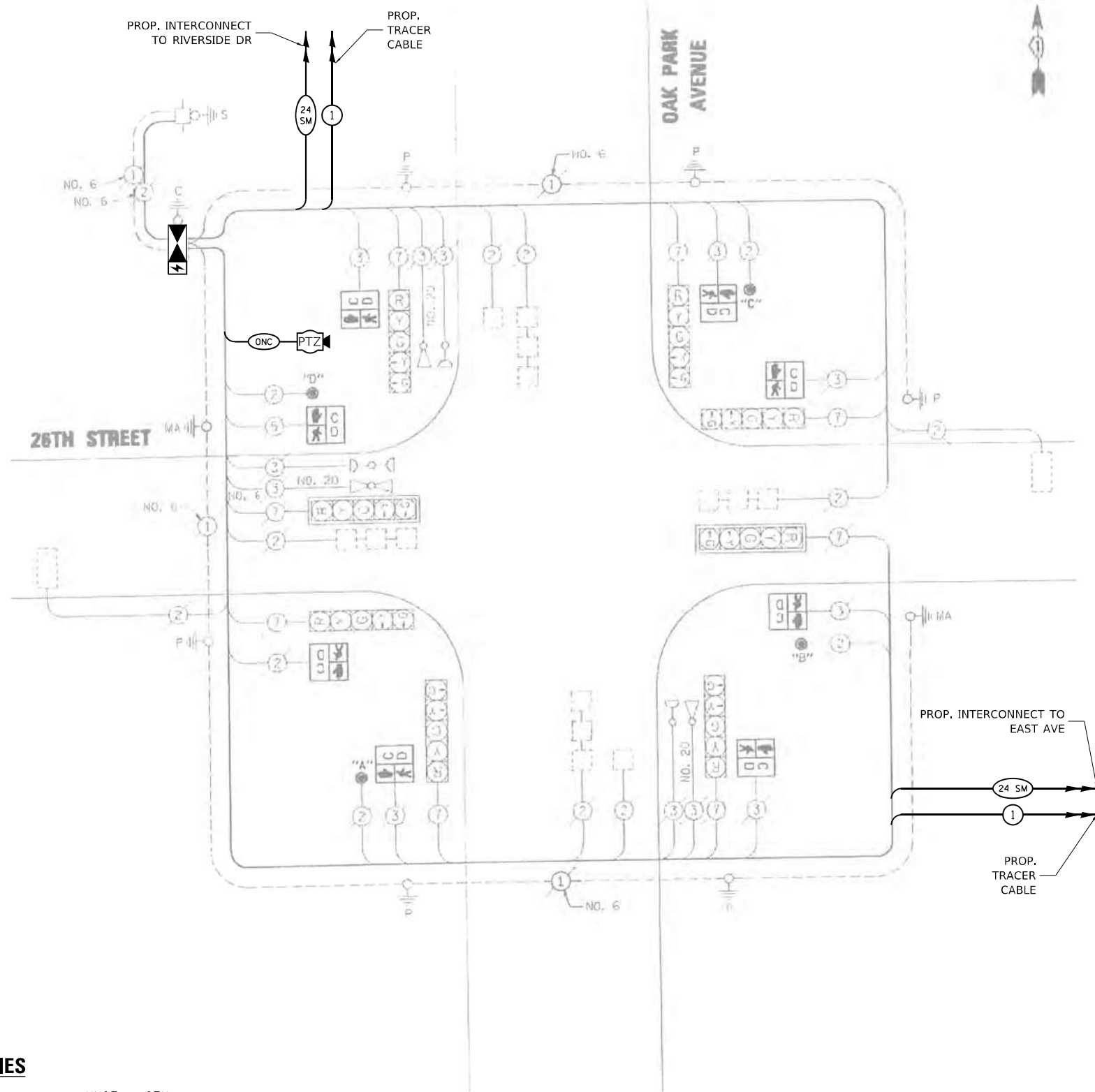
**LEGEND:**

- ← \* → PROTECTED PHASE
- ← \* - - \* → PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* * CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	55
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

\* \* CENTRACS LICENSE TO BE PROVIDED BY IDOT TRAFFIC



**CABLE PLAN**

MODEL: D:\p\h\... FILE NAME: C:\Sharepoint\ITERS - Midwest - Chicago Construction\DOT\_PFB\_204\010\_D1\_APS\_PROJECT\_MANAGEMENT\12369 - NO. 11 - Various Interconnect\CADD\Sheet\4\_D162W91-1-1-1-CAB-E.dgn

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCANDESC.	WATTAGE LED	OPERATION	
SIGNAL (RED)	8	135	17	0.50	58
(YELLOW)	8	135	25	0.25	50
(GREEN)	8	135	15	0.25	30
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
FOLLOW. SIGN		84	100	0.50	
FLASHER		135	25	0.50	
ENERGY COSTS TO:					TOTAL = 467.2
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHALMBURG, IL 60196-1096					
ENERGY SUPPLY CONTACT:	X				
PHONE:	X				
COMPANY:	X				



USER NAME = bfunk	DESIGNED - TZ	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - TZ	REVISED -
PLOT DATE = 3/25/2026	CHECKED - BF	REVISED -
	DATE - 3/20/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

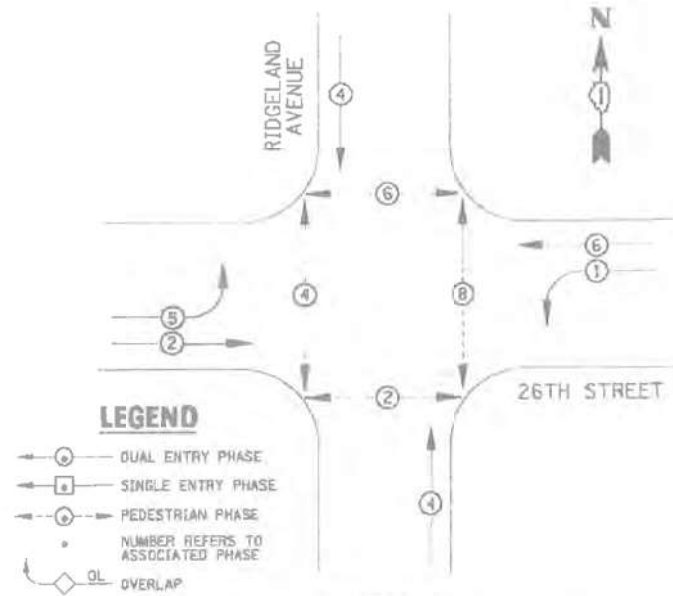
**TRAFFIC SIGNAL CABLE PLAN  
OAK PARK AVENUE AND 26TH STREET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	44
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

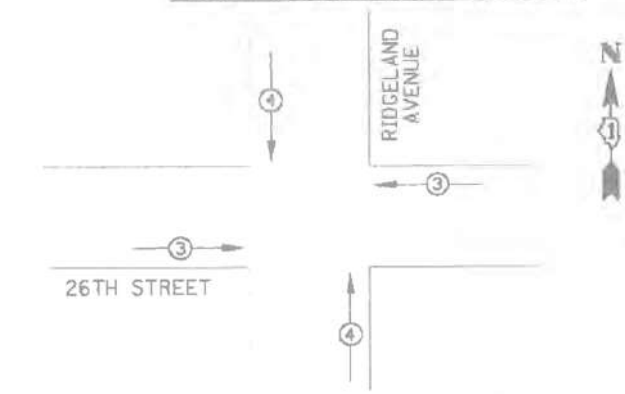
**TS 7915  
IDOT CENTRACS  
SECTION 30**



**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING PHASE DESIGNATION DIAGRAM**



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**

**REMOVAL AND RELOCATION NOTES:**

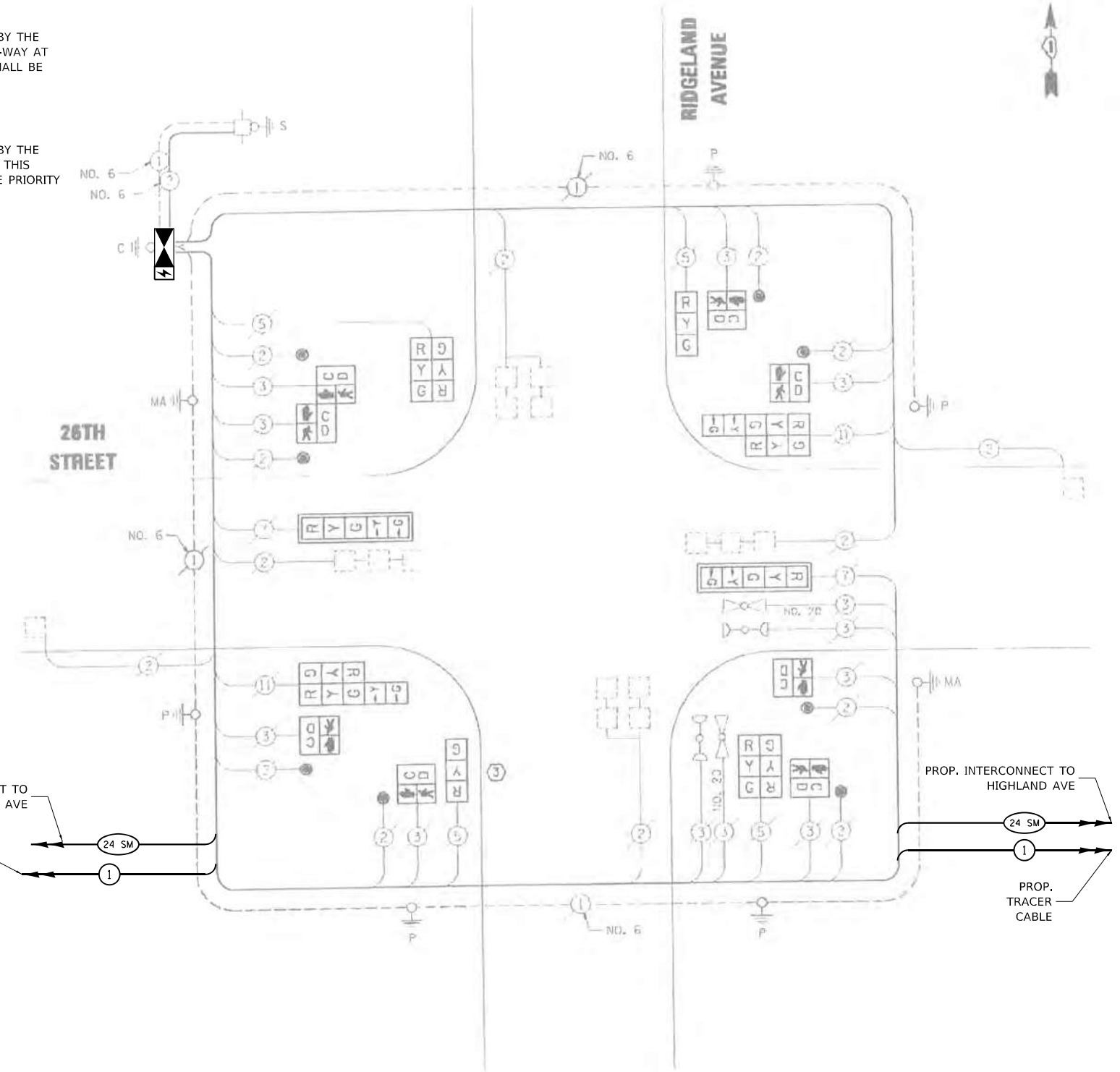
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR OWN EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH TRAFFIC SIGNAL CONTROLLER AND CABINET (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY AND CABINET

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

- 1 EACH LIGHT DETECTOR AMPLIFIER

PROP. INTERCONNECT TO EAST AVE  
PROP. TRACER CABLE



**CABLE PLAN**

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* * CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
* * CENTRACS LICENSE TO BE PROVIDED BY IDOT TRAFFIC		

MODEL: Default; FILE NAME: C:\Sharepoint\ITERS - INC\Systems - Midwest - Chicago Construction\IDOT - PBE\_204\010\_D1\_APS\_PROJECT\_MANAGEMENT\12369 - NO. 11 - Various Interconnect\CADD\Sheet\4\_D162W91-1-CON-CABLE.dgn

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE	
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	%OPERATION	
SIGNAL (RED)	12	135	17	0.50	108
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	8	135	12	0.10	9.6
TRD. SIGNAL	8	40	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84	100	0.50	
FLASHER		135	25	0.50	
ENERGY COSTS TO:				TOTAL =	531.6
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096					
ENERGY SUPPLY CONTACT:	X				
PHONE:	X				
COMPANY:	X				



USER NAME = bfunk	DESIGNED - TZ	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - TZ	REVISED -
PLOT DATE = 3/25/2026	CHECKED - BF	REVISED -
	DATE - 3/20/26	REVISED -

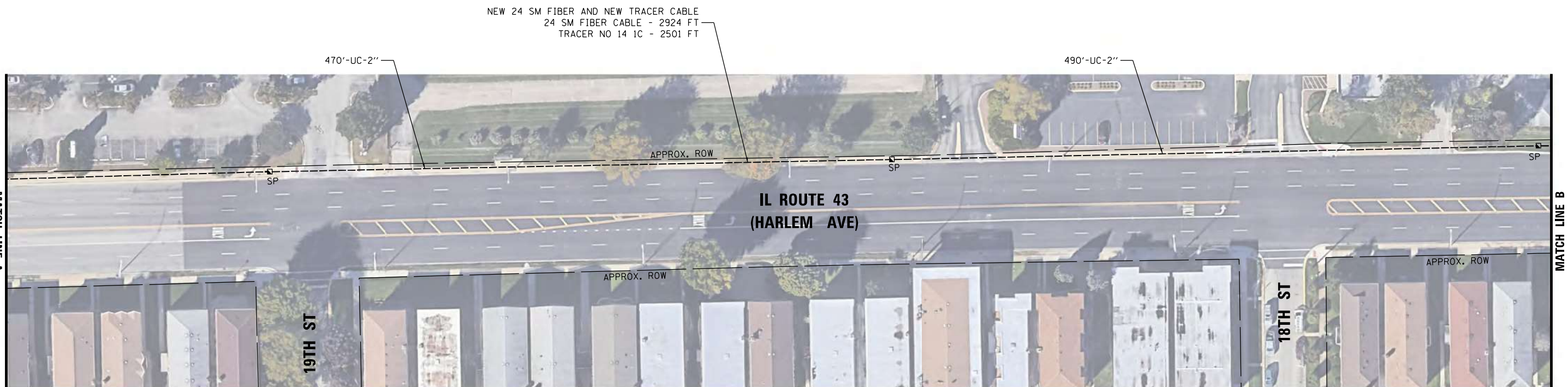
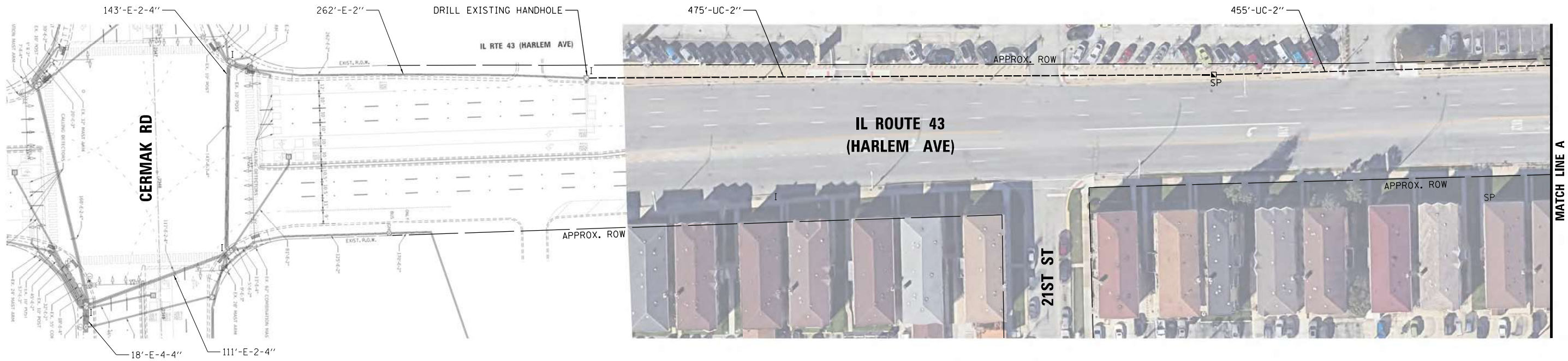
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SIGNAL CABLE PLAN</b>			
<b>26TH STREET AND RIDGELAND AVENUE</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	46
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

**TS 3755  
IDOT CENTRACS  
SECTION 30**





MODEL: D:\p\h\iteris\GIS\Sharepoint\ITERIS\_INCS\Systems - Midwest - Chicago Construction\DOT\_PFB\_204-010.D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets\0162\W91\_INT\_D-Interconnect\_Plan.dwg  
 FILE NAME: C:\Sharepoint\ITERIS\_INCS\Systems - Midwest - Chicago Construction\DOT\_PFB\_204-010.D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets\0162\W91\_INT\_D-Interconnect\_Plan.dwg

**IDOT CENTRACS  
SECTION 30**



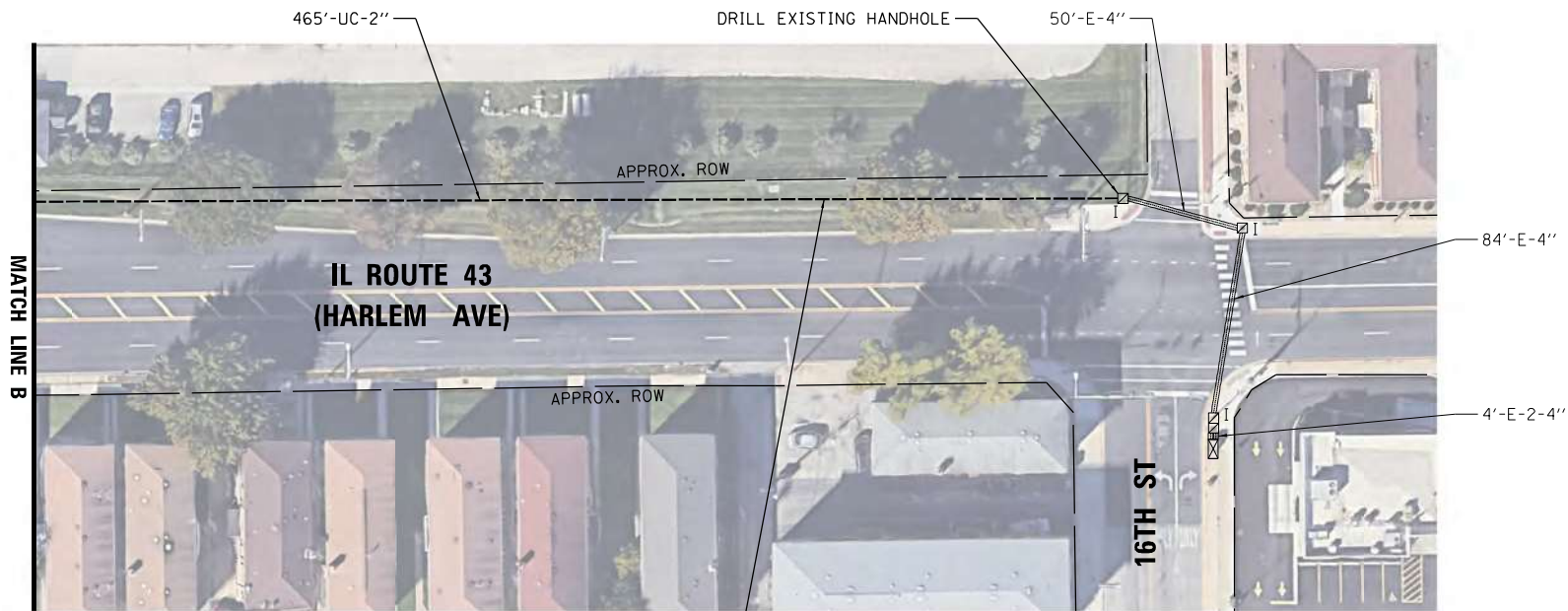
USER NAME = bfunk	DESIGNED - BF	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - BF	REVISED -
PLOT DATE = 5/5/2026	CHECKED - AG	REVISED -
	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION D  
IL ROUTE 43 (HARLEM AVENUE) - CERMAK ROAD TO 16TH STREET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	48
			CONTRACT NO. 62W91	
		ILLINOIS	FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



NEW 24 SM FIBER AND NEW TRACER CABLE  
 24 SM FIBER CABLE - 799 FT  
 TRACER NO 14 IC - 634 FT

MODEL: D:\default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204\0101\_D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets\0162\W011\_INT\_D-Interconnect\_Plan.dgn

**IDOT CENTRACS  
SECTION 30**



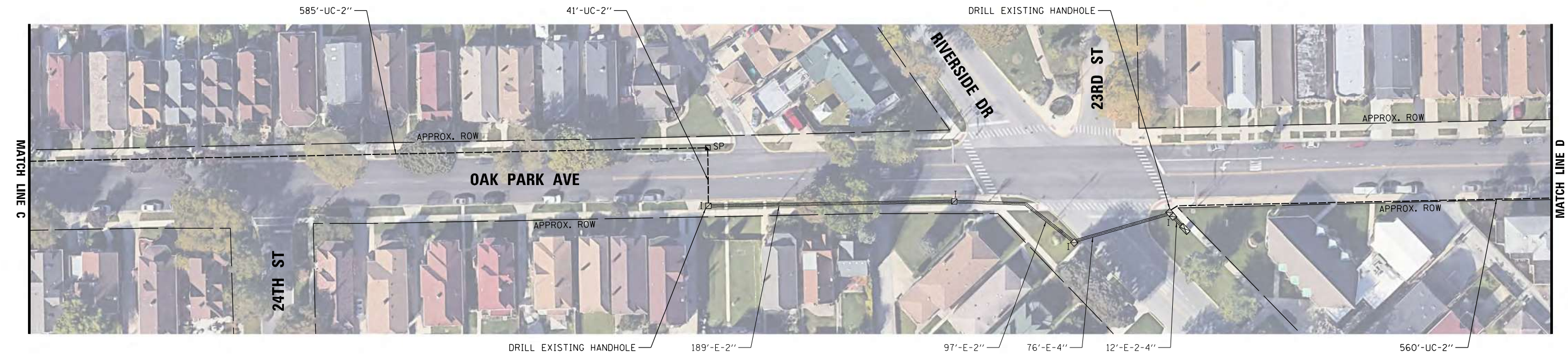
USER NAME = bfunk	DESIGNED - BF	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN - BF	REVISED -
PLOT DATE = 5/5/2026	CHECKED - AG	REVISED -
	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION D  
IL ROUTE 43 (HARLEM AVENUE) - CERMAK ROAD TO 16TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	49
			CONTRACT NO. 62W91	
		ILLINOIS FED. AID PROJECT		



MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS - INCS\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204-010-D1\_APS\_PROJECT\_MANAGEMENT\112369 - W0 11 - Various Interconnect\CADD\Sheets\0162\091\_INT\_D-Interconnect\_Plan.dgn



USER NAME = bfunk	DESIGNED - BF	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN - BF	REVISED -
PLOT DATE = 5/5/2026	CHECKED - AG	REVISED -
	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION D**  
**OAK PARK AVENUE - 26TH STREET TO 16TH STREET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	50
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

**IDOT CENTRACS**  
**SECTION 30**

SCALE: SHEET OF SHEETS STA. TO STA.



MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204-010-D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets\0162\091\_INT\_D-Interconnect\_Plan.dgn

**IDOT CENTRACS  
SECTION 30**



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION D  
OAK PARK AVENUE - 26TH STREET TO 16TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	51
CONTRACT NO. 62W91			ILLINOIS FED. AID PROJECT	



MODEL Default  
 FILE NAME C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204\0101\_D1\_APS\_PROJECT\_MANAGEMENT\12369 - WO 11 - Various Interconnect\CADD\Sheets\0162\W91\_INT\_D-Interconnect\_Plan.dgn

**IDOT CENTRACS  
SECTION 30**



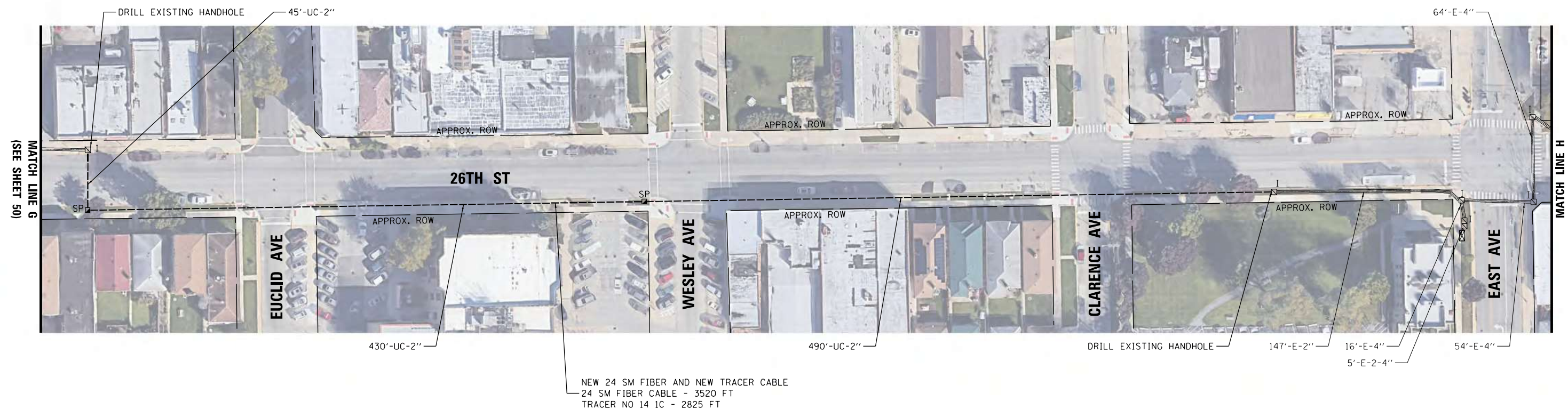
USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION D  
OAK PARK AVENUE - 26TH STREET TO 16TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	52
CONTRACT NO. 62W91			ILLINOIS FED. AID PROJECT	



MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204\0101\_01\_APS\_PROJECT\_MANAGEMENT\12369 - W011 - Various Interconnect\CADD\Sheets\0162\091\_INT\_D-Interconnect\_Plan.dwg

**IDOT CENTRACS  
SECTION 30**



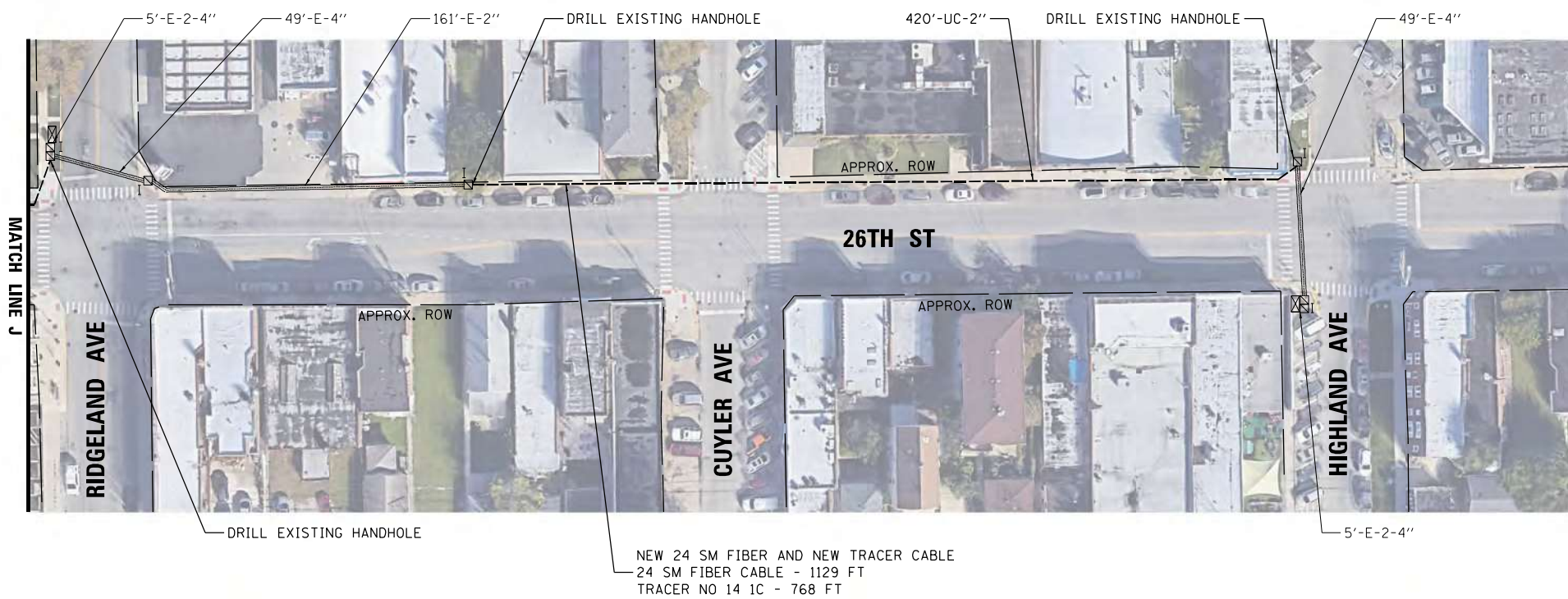
USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION D  
26TH STREET - OAK PARK AVENUE TO HIGHLAND AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	53
			CONTRACT NO. 62W91	
		ILLINOIS	FED. AID PROJECT	



NEW 24 SM FIBER AND NEW TRACER CABLE  
 24 SM FIBER CABLE - 1129 FT  
 TRACER NO 14 1C - 768 FT

MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204-010.D1\_APS\_PROJECT\_MANAGEMENT\12369 - WO 11 - Various Interconnect\CADD\Sheets\0162\091\_INT\_D-Interconnect\_Plan.dgn

**IDOT CENTRACS  
SECTION 30**



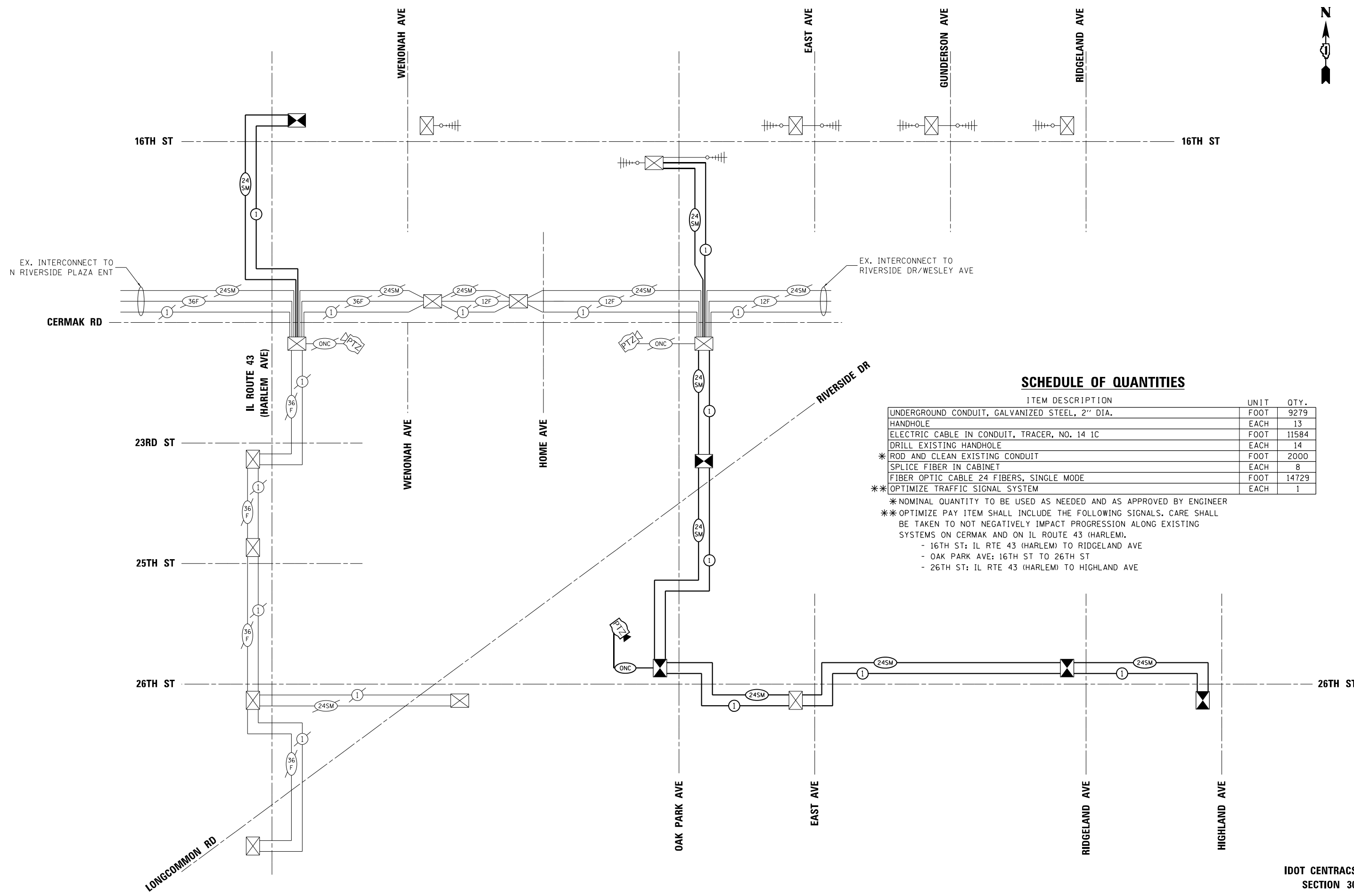
USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - LOCATION D  
26TH STREET - OAK PARK AVENUE TO HIGHLAND AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	54
ILLINOIS			FED. AID PROJECT	
			CONTRACT NO. 62W91	



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	9279
HANDHOLE	EACH	13
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	11584
DRILL EXISTING HANDHOLE	EACH	14
* ROD AND CLEAN EXISTING CONDUIT	FOOT	2000
SPLICE FIBER IN CABINET	EACH	8
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	14729
** OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

\* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY ENGINEER  
 \*\* OPTIMIZE PAY ITEM SHALL INCLUDE THE FOLLOWING SIGNALS. CARE SHALL BE TAKEN TO NOT NEGATIVELY IMPACT PROGRESSION ALONG EXISTING SYSTEMS ON CERMAK AND ON IL ROUTE 43 (HARLEM).  
 - 16TH ST: IL RTE 43 (HARLEM) TO RIDGELAND AVE  
 - OAK PARK AVE: 16TH ST TO 26TH ST  
 - 26TH ST: IL RTE 43 (HARLEM) TO HIGHLAND AVE

MODEL: Default  
 FILE NAME: C:\Share\project\ITERIS - INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204-010.D1\_APS\_PROJECT\_MANAGEMENT\17369 - W0 11 - Various Interconnect\CADD\Sheet\43\62W91-1-Int-Interconnect - Schematic.dgn



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/4/26	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

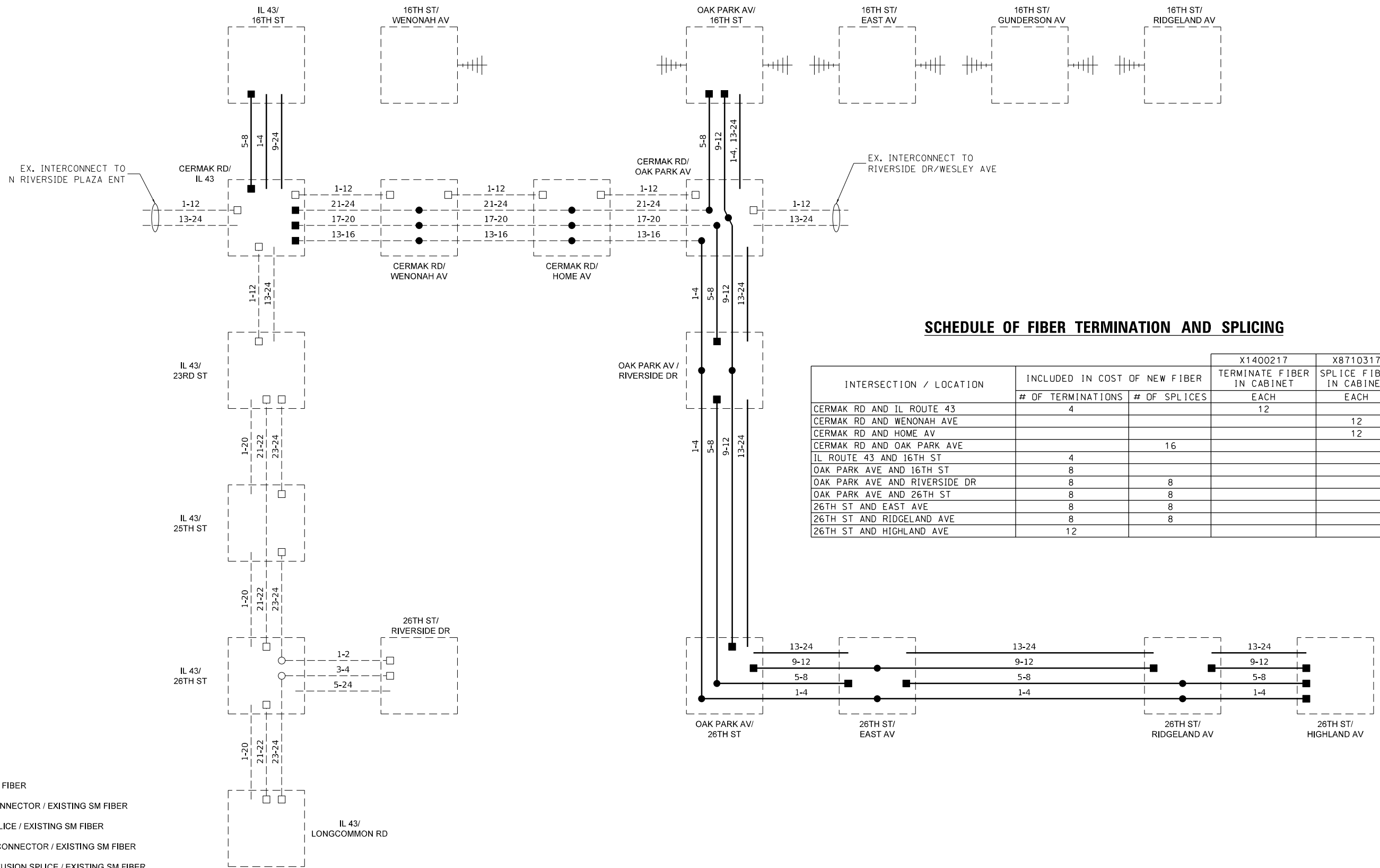
**INTERCONNECT SCHEMATIC - LOCATION D  
 IL ROUTE 43 (HARLEM AVENUE), OAK PARK AVENUE, 26TH STREET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	55
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

**IDOT CENTRACS  
 SECTION 30**

SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT\_PFB\_204-010.D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheet\4D162W91-1-Int-Fiber\_Splc.dwg



**SCHEDULE OF FIBER TERMINATION AND SPLICING**

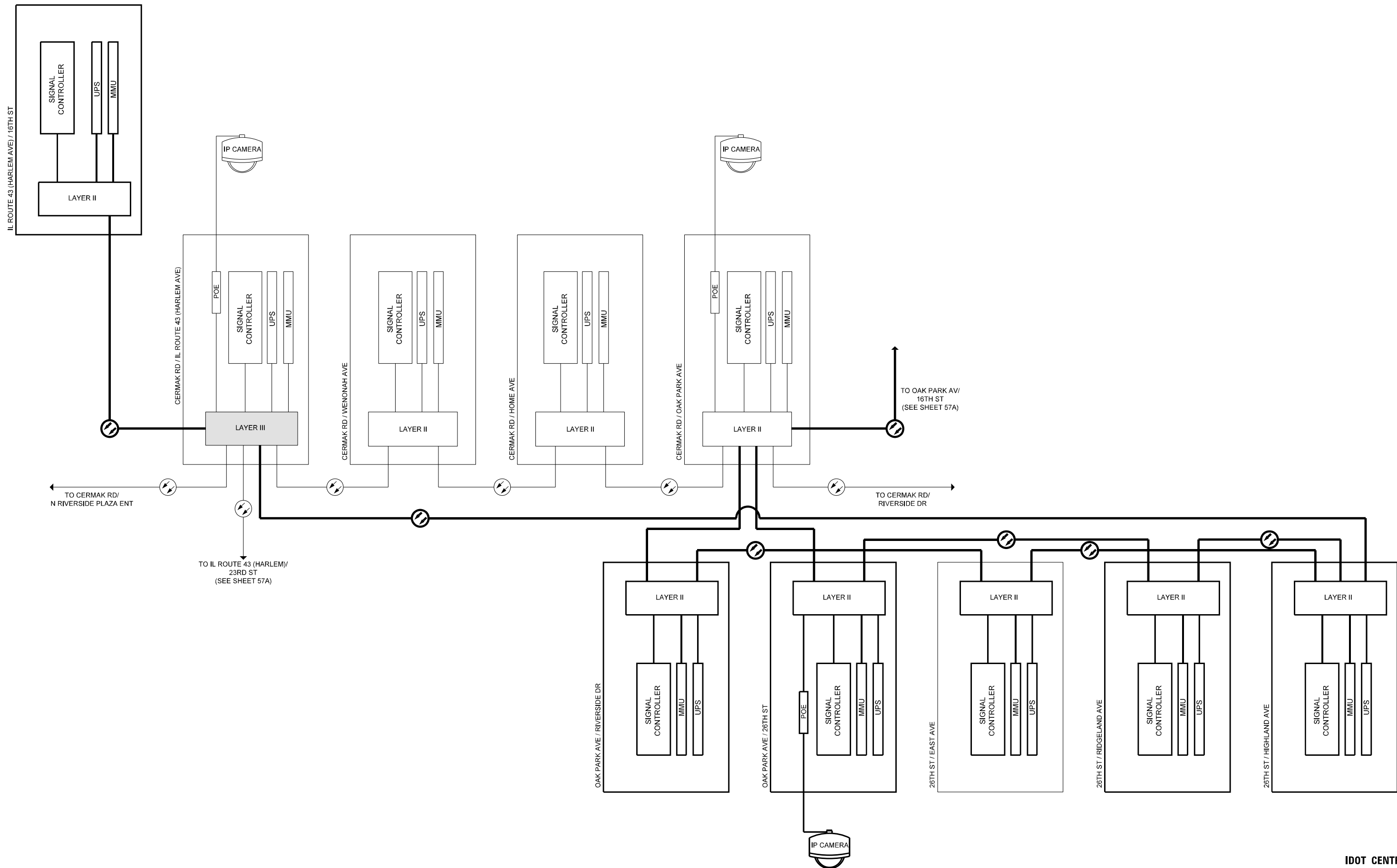
INTERSECTION / LOCATION	INCLUDED IN COST OF NEW FIBER		X1400217	X8710317
	# OF TERMINATIONS	# OF SPLICES	TERMINATE FIBER IN CABINET EACH	SPLICE FIBER IN CABINET EACH
CERMAK RD AND IL ROUTE 43	4		12	
CERMAK RD AND WENONAH AVE				12
CERMAK RD AND HOME AV				12
CERMAK RD AND OAK PARK AVE		16		
IL ROUTE 43 AND 16TH ST	4			
OAK PARK AVE AND 16TH ST	8			
OAK PARK AVE AND RIVERSIDE DR	8	8		
OAK PARK AVE AND 26TH ST	8	8		
26TH ST AND EAST AVE	8	8		
26TH ST AND RIDGELAND AVE	8	8		
26TH ST AND HIGHLAND AVE	12			

- EXISTING SM FIBER
- □ EXISTING CONNECTOR / EXISTING SM FIBER
- ○ EXISTING SPLICE / EXISTING SM FIBER
- ■ PROPOSED CONNECTOR / EXISTING SM FIBER
- ● PROPOSED FUSION SPLICE / EXISTING SM FIBER
- PROPOSED SM FIBER
- ■ NEW CONNECTOR / PROPOSED SM FIBER
- ● PROPOSED FUSION SPLICE / PROPOSED SM FIBER

**IDOT CENTRACS SECTION 30**

<b>iteris</b>	USER NAME = bfunk	DESIGNED - BF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FIBER SPLICING DIAGRAM INTERCONNECT D</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -		VAR	2024-966-TS	COOK	60	56				
PLOT DATE = 6/18/2026	DATE - 6/18/26	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT		CONTRACT NO. 62W91				

MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS - Midwest - Chicago Construction\IDOT\_PFB\_204-010.D1\_APS\_PROJECT\_MANAGEMENT\112369 - W011 - Various Interconnect\CADD\Sheet\62W91-1-Int-Elwr\_Sig\Elwr\_Sig.dwg



**IDOT CENTRACS  
SECTION 30**



USER NAME = bfunk	DESIGNED - BF	REVISED -
DRAWN - BF	REVISOR -	
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/5/26	REVISED -

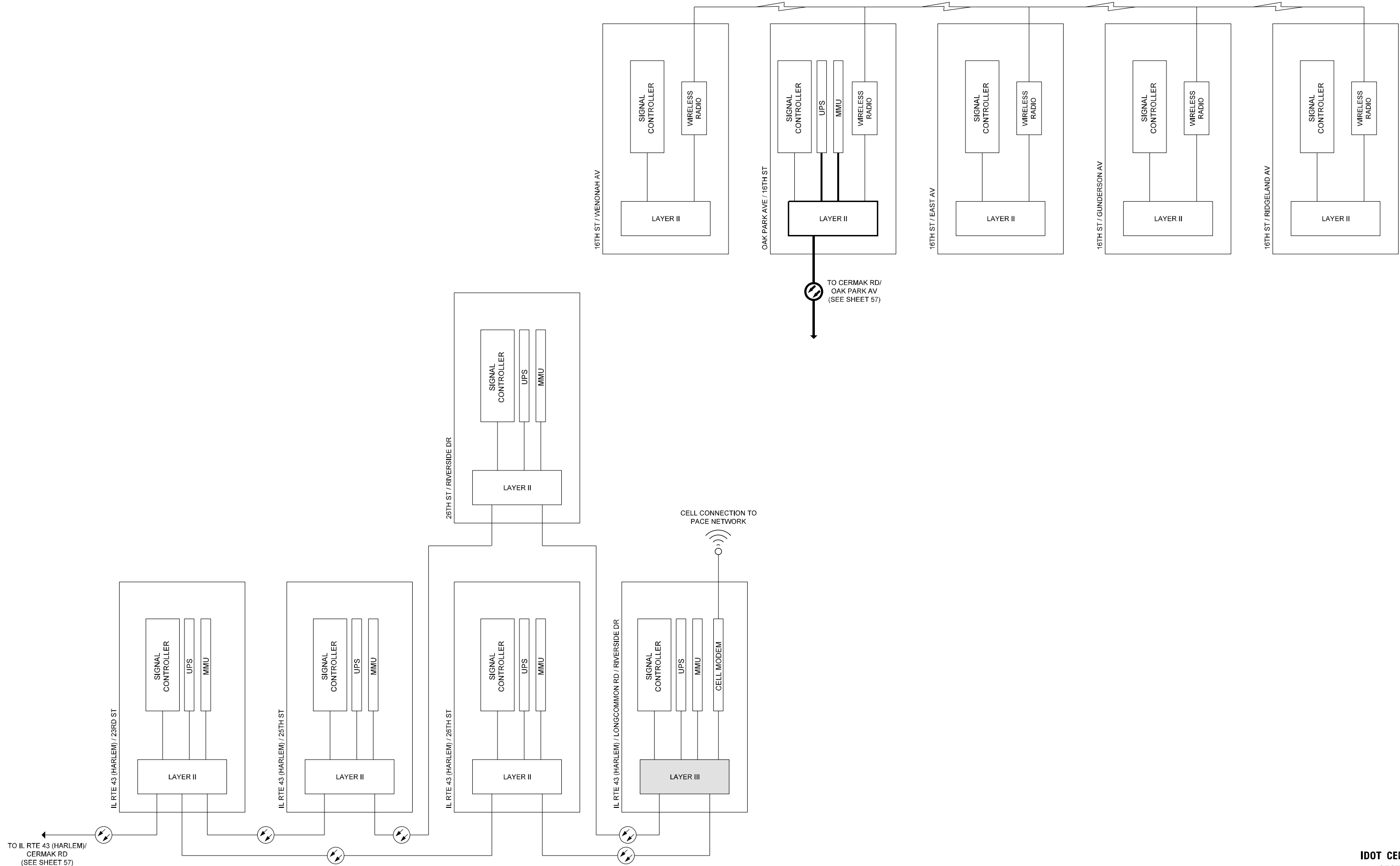
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABINET DETAIL SHEET  
INTERCONNECT D**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	57
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS - INC\Systems - Midwest - Chicago Construction\IDOT - RTE 204-010-D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheet\62W91-1-Int-Fiber\_SigReloc.dgn



TO IL RTE 43 (HARLEM)/  
 CERMAK RD  
 (SEE SHEET 57)

TO CERMAK RD/  
 OAK PARK AV  
 (SEE SHEET 57)

CELL CONNECTION TO  
 PACE NETWORK

IDOT CENTRACS  
 SECTION 30



USER NAME = bfunk	DESIGNED - BF	REVISED -
DRAWN - BF	REVISIED -	
PLOT SCALE = 100,0000' / in.	CHECKED - AG	REVISED -
PLOT DATE = 5/7/2026	DATE - 5/5/26	REVISED -

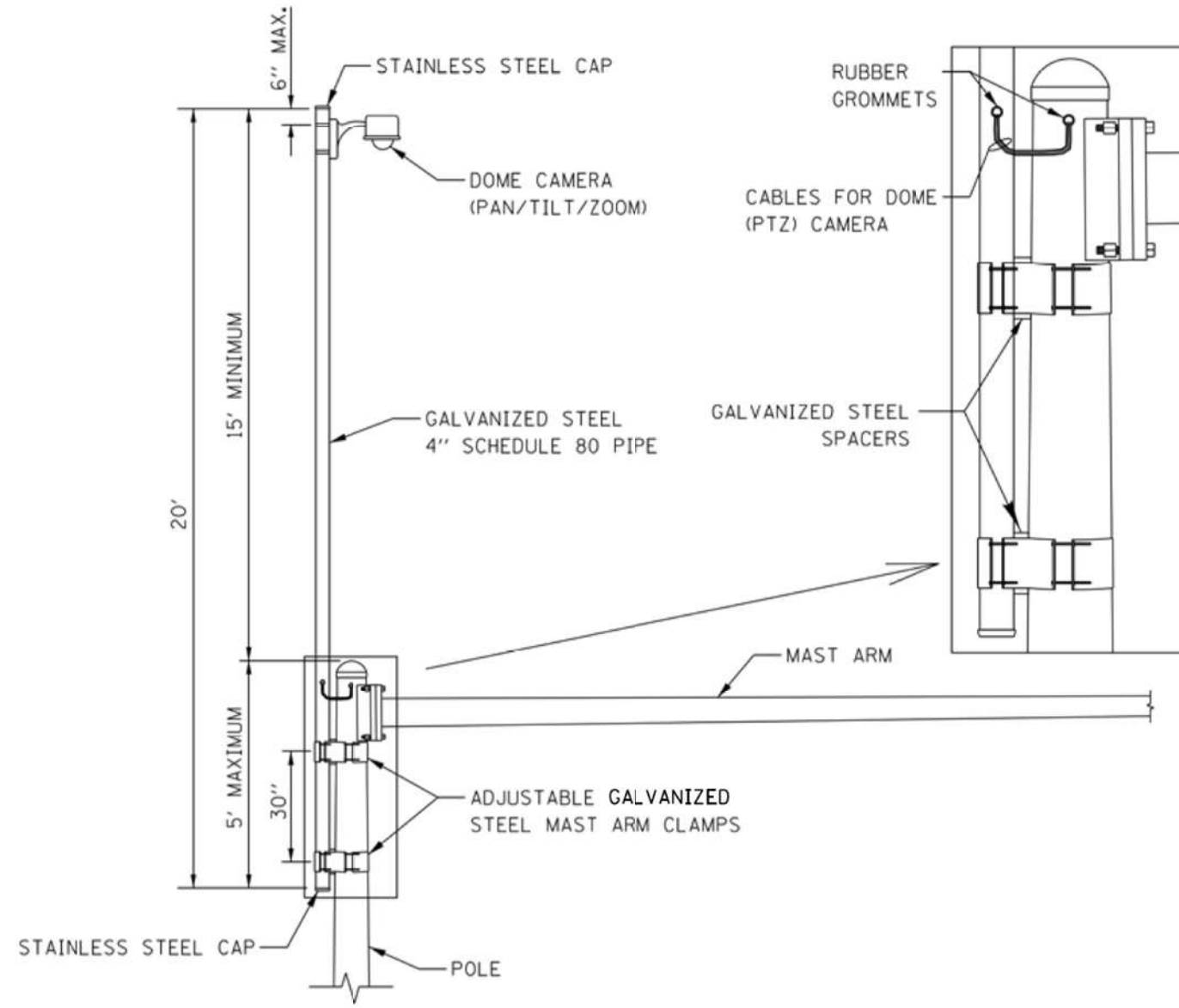
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEET  
 INTERCONNECT D

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	58
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

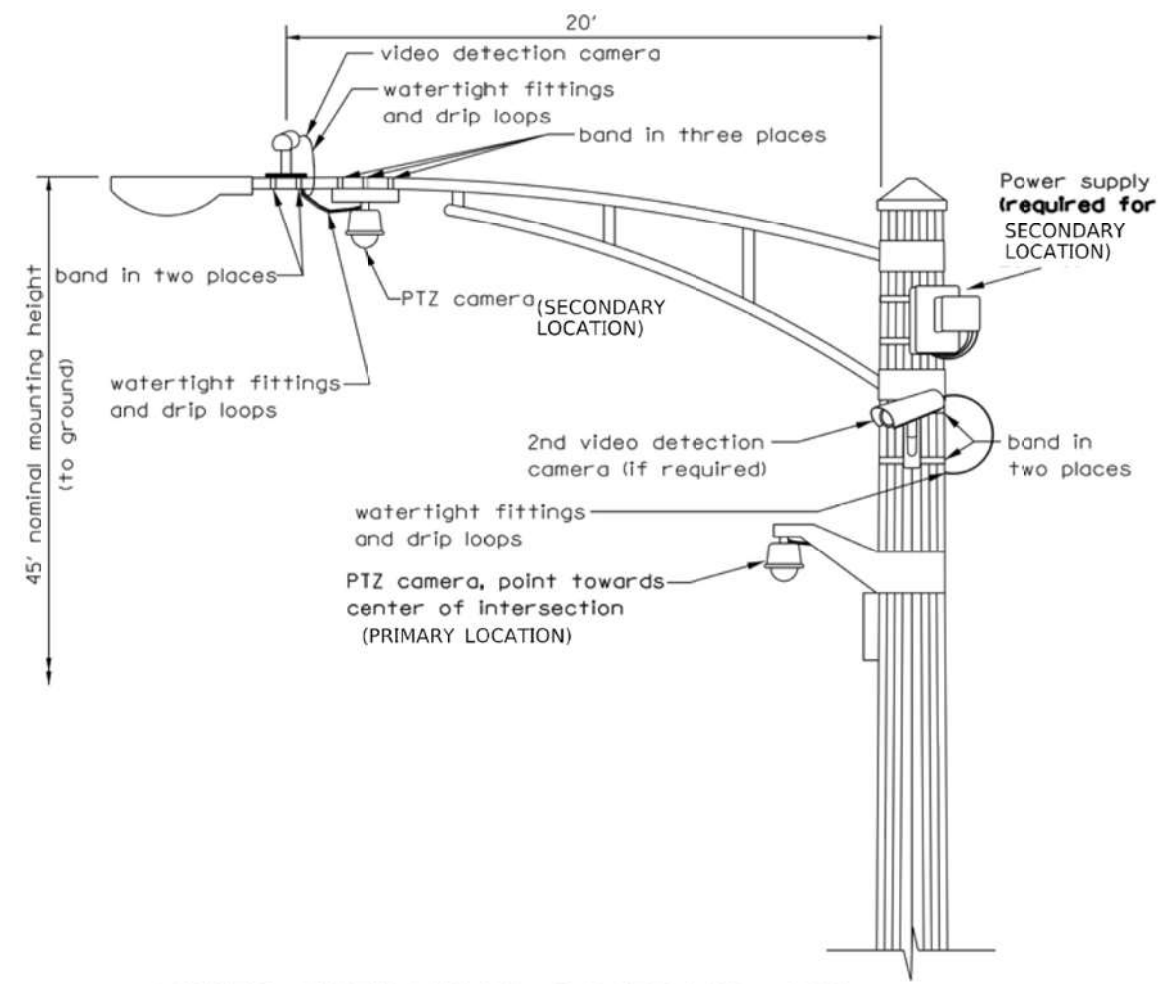
MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\DOT\_PFB\_204\0101\_01\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets\0162\091\_D1\_TS\_Standards.dgn



**CAMERA MOUNTING ASSEMBLY DETAIL**

(NOT TO SCALE)

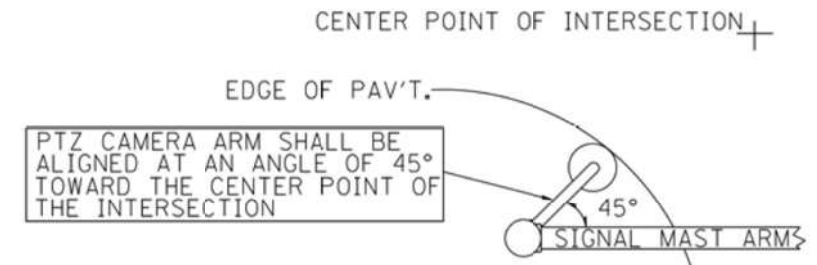
- NOTES:**
- THE MAST ARM IS TAPERED.
  - INSTALL EXTENSION POLE VERTICAL AND PLUMB BY MODIFYING/INSTALLING BRACKETS AS NECESSARY. ADDITIONAL SPACERS REQUIRED ARE INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY OF THE TYPE SPECIFIED.
  - SPACERS ARE TO BE INTEGRATED OR MANUFACTURED WITH THE MAST 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)



USER NAME = bfunk	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/23/2026	CHECKED -	REVISED -
	DATE -	REVISED -

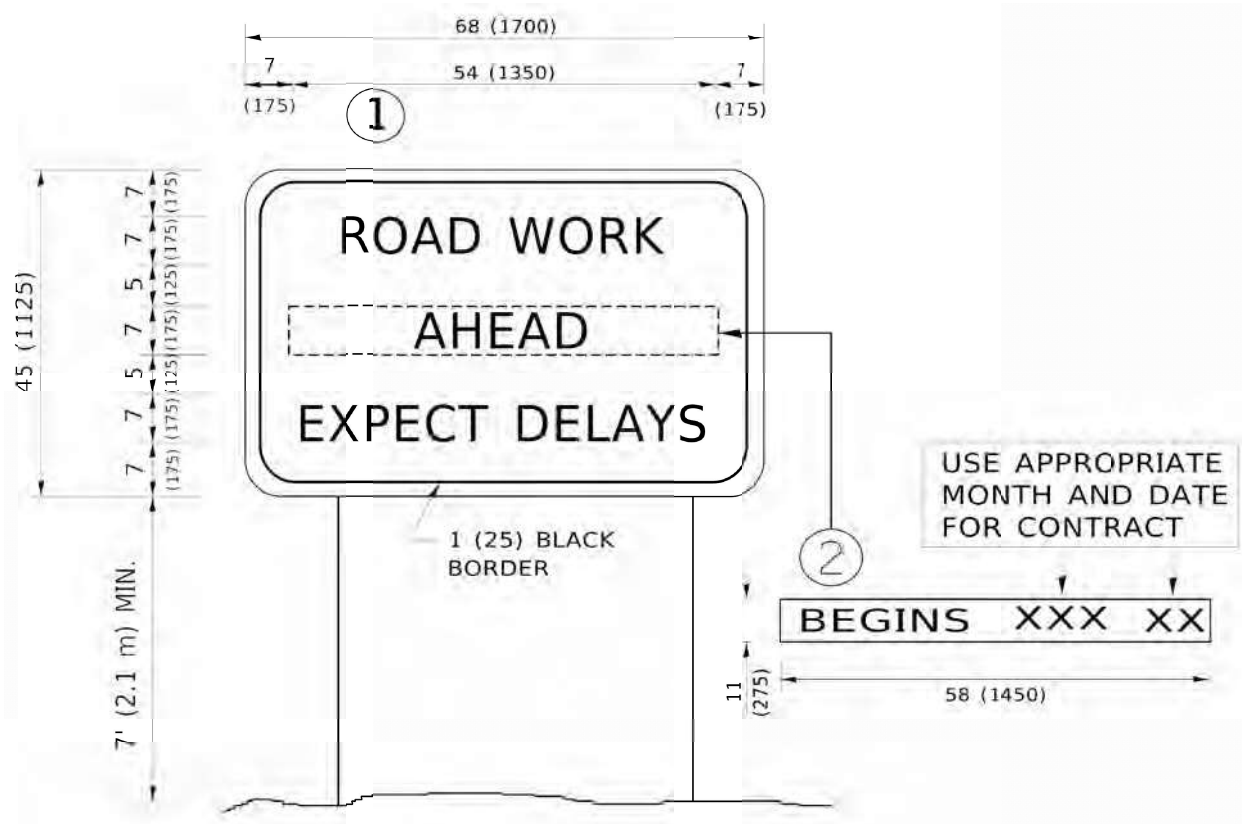
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CAMERA MOUNTING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	59
CONTRACT NO. 62W91				
ILLINOIS FED. AID PROJECT				

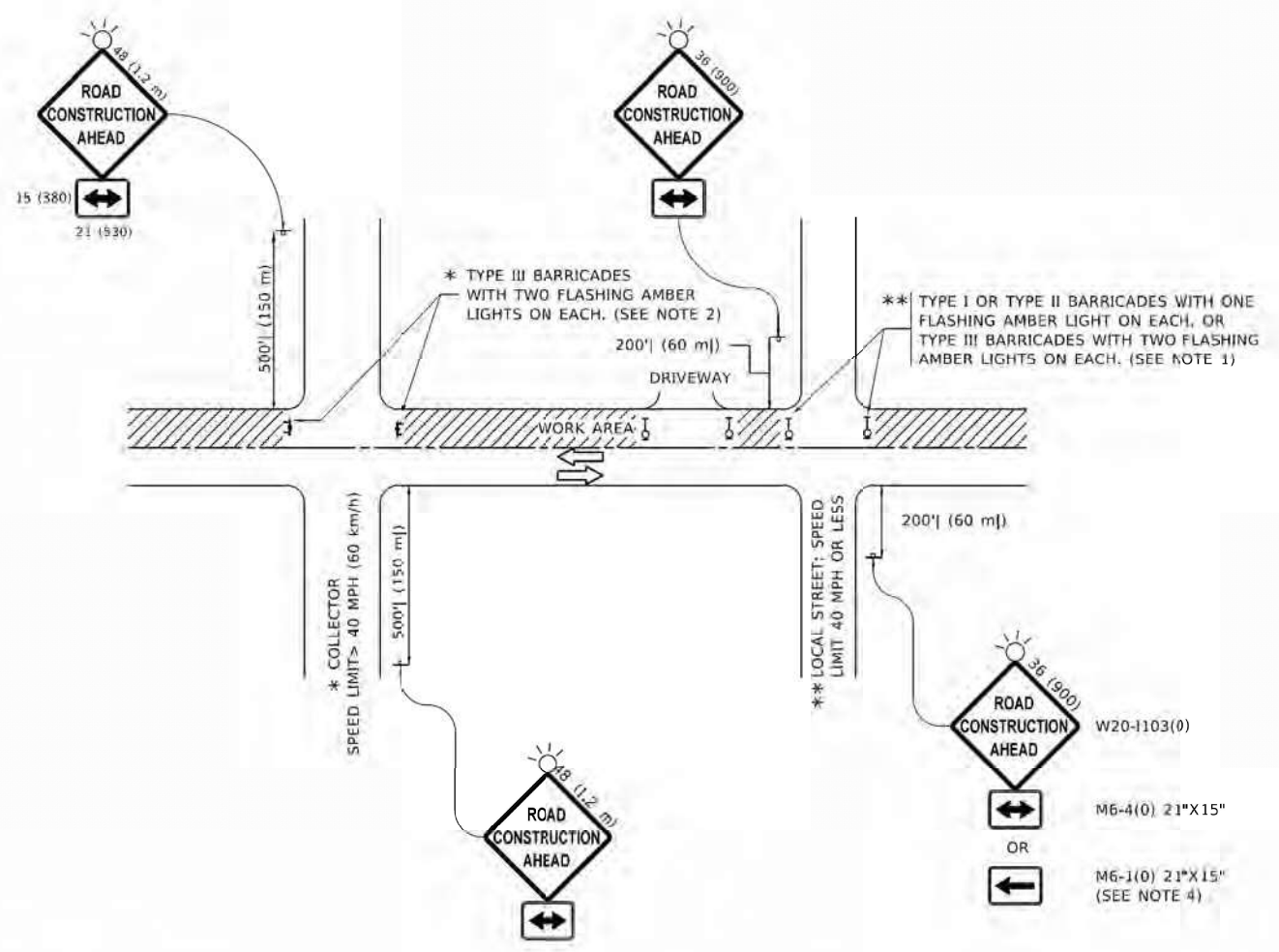
MODEL: Default  
 FILE NAME: C:\Sharepoint\ITERS\INC\System - Midwest - Chicago Construction\DOT\_PFB\_204\010.D1\_APS\_PROJECT\_MANAGEMENT\12369 - W0 11 - Various Interconnect\CADD\Sheets\0162\091.D1\_TS\_Standards.dgn



**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.



**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 PORTION.
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. 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 PLANS 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.



USER NAME = bfunk	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/5/2026	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN  
TRAFFIC CONTROL AND PROTECTION STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-966-TS	COOK	60	60
			CONTRACT NO. 62W91	
ILLINOIS FED. AID PROJECT				