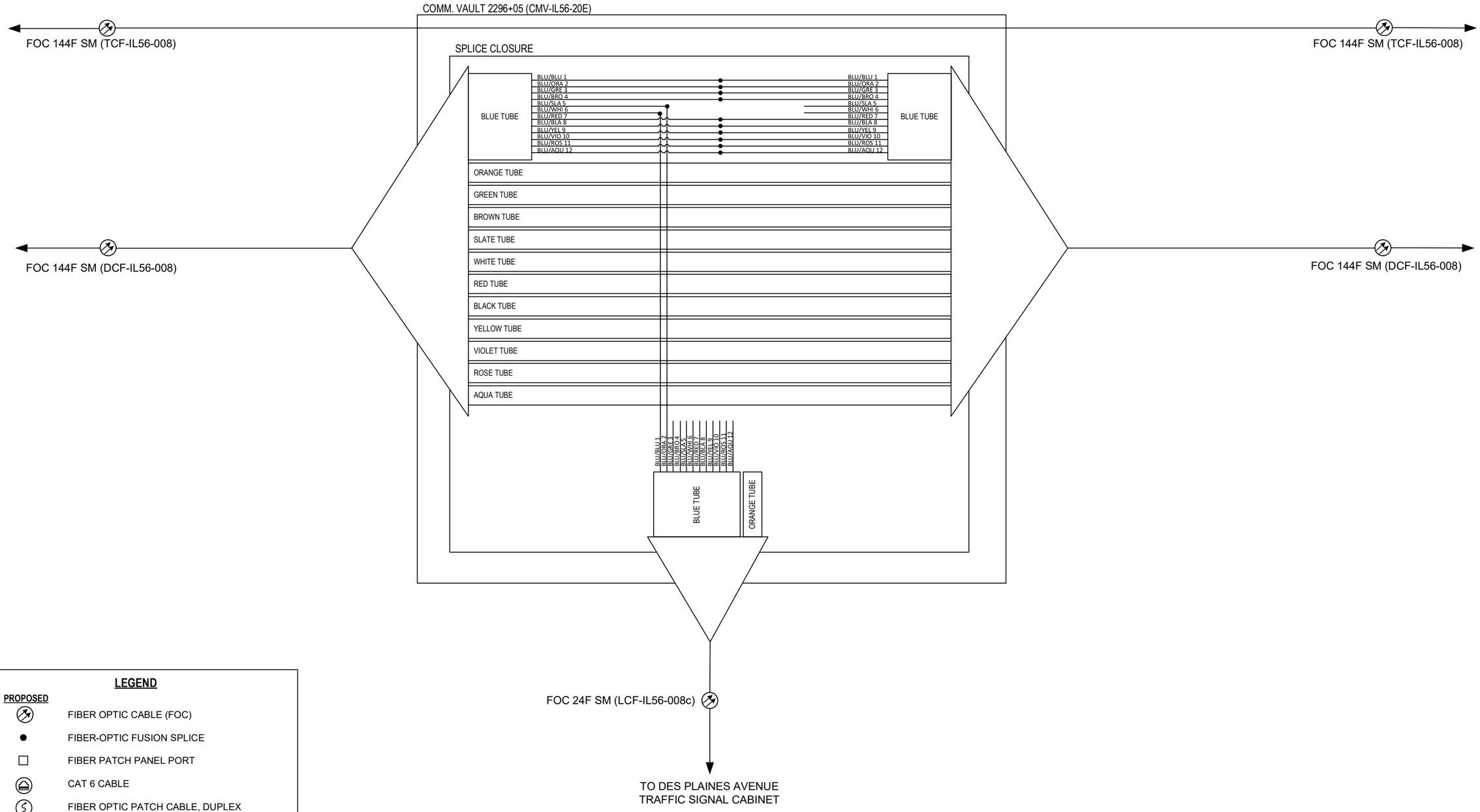


LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-62

PARSONS

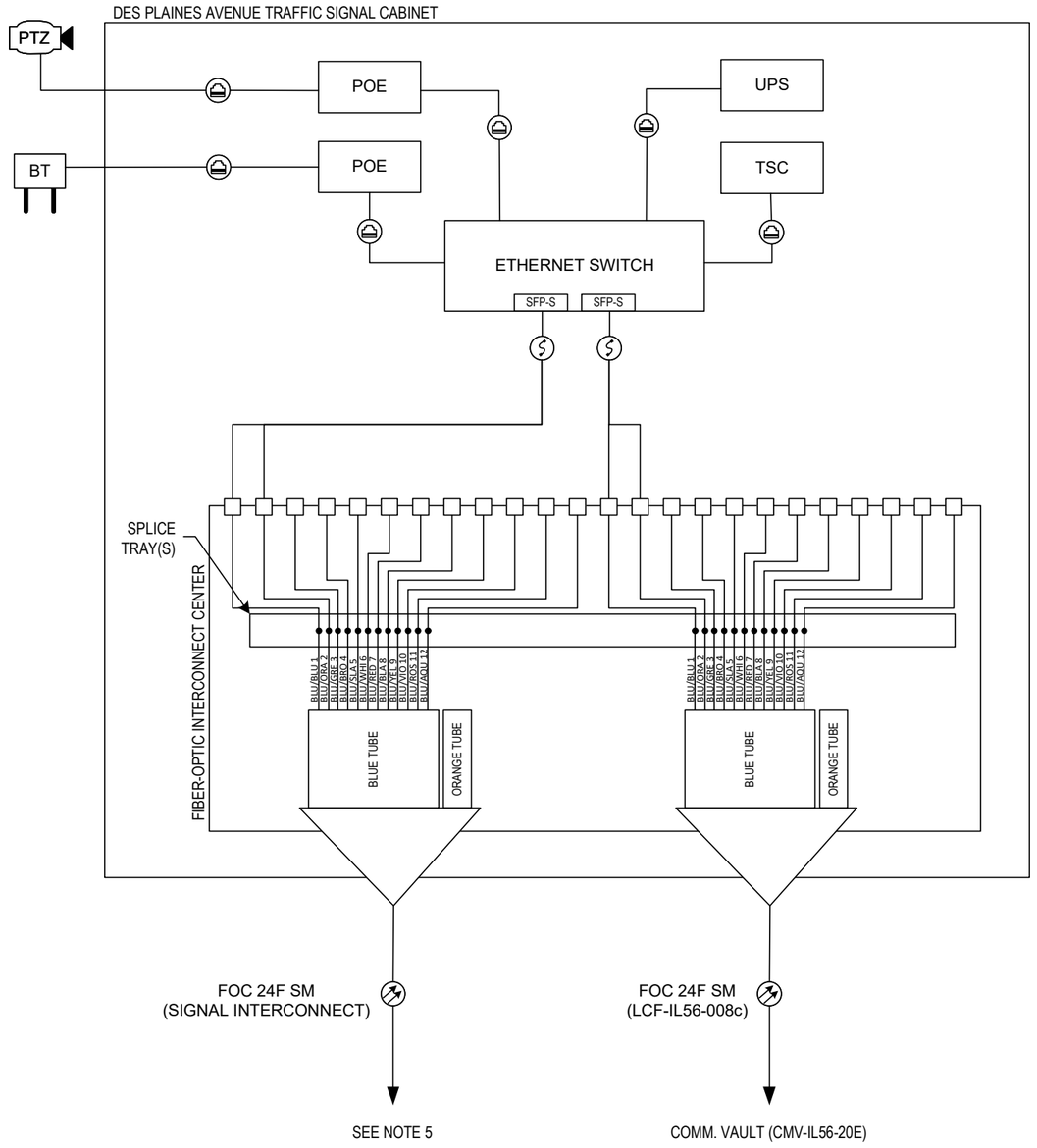
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND DES PLAINES AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	401
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-63

PARSONS

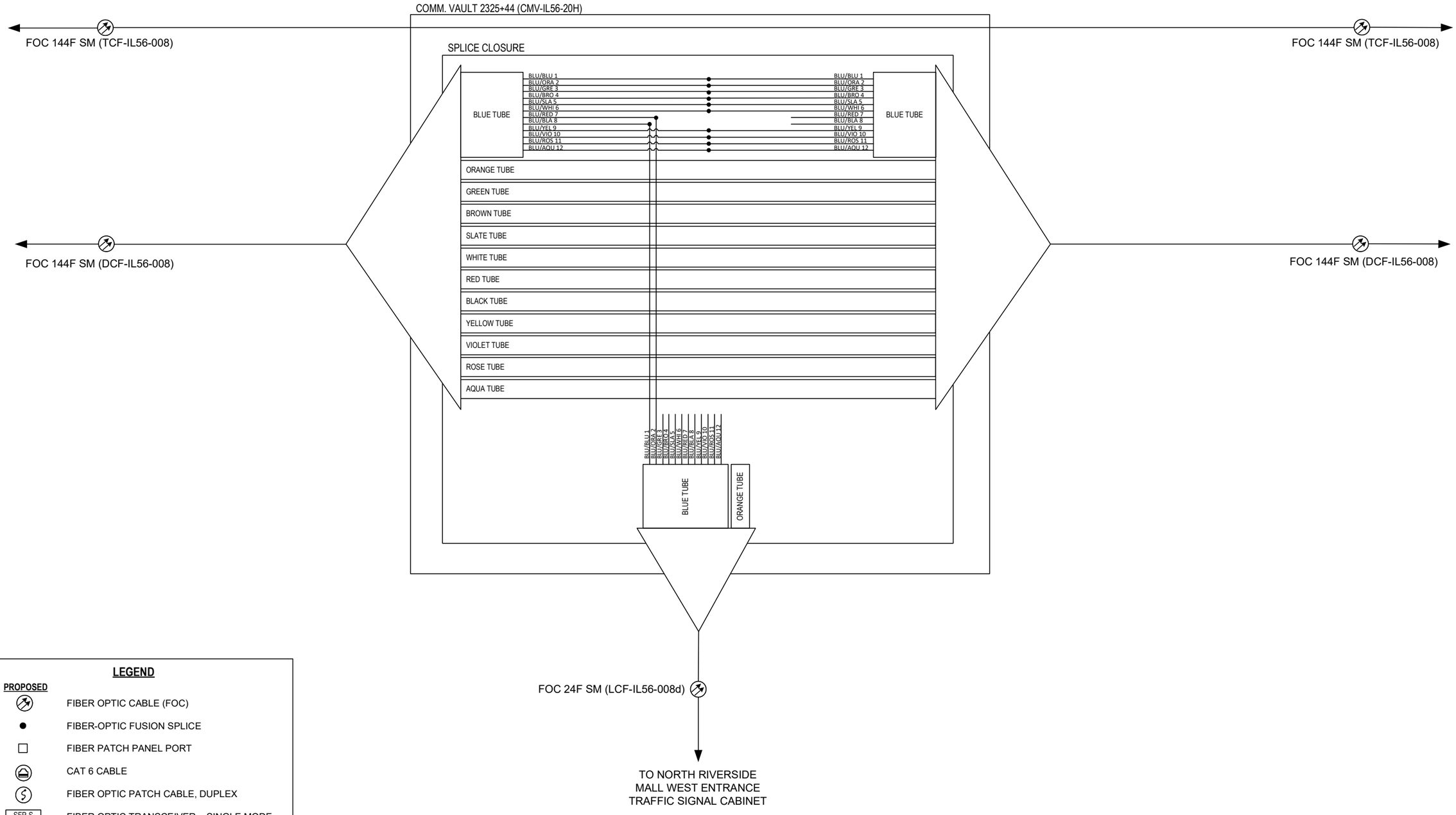
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND DES PLAINES AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	402
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-64

PARSONS

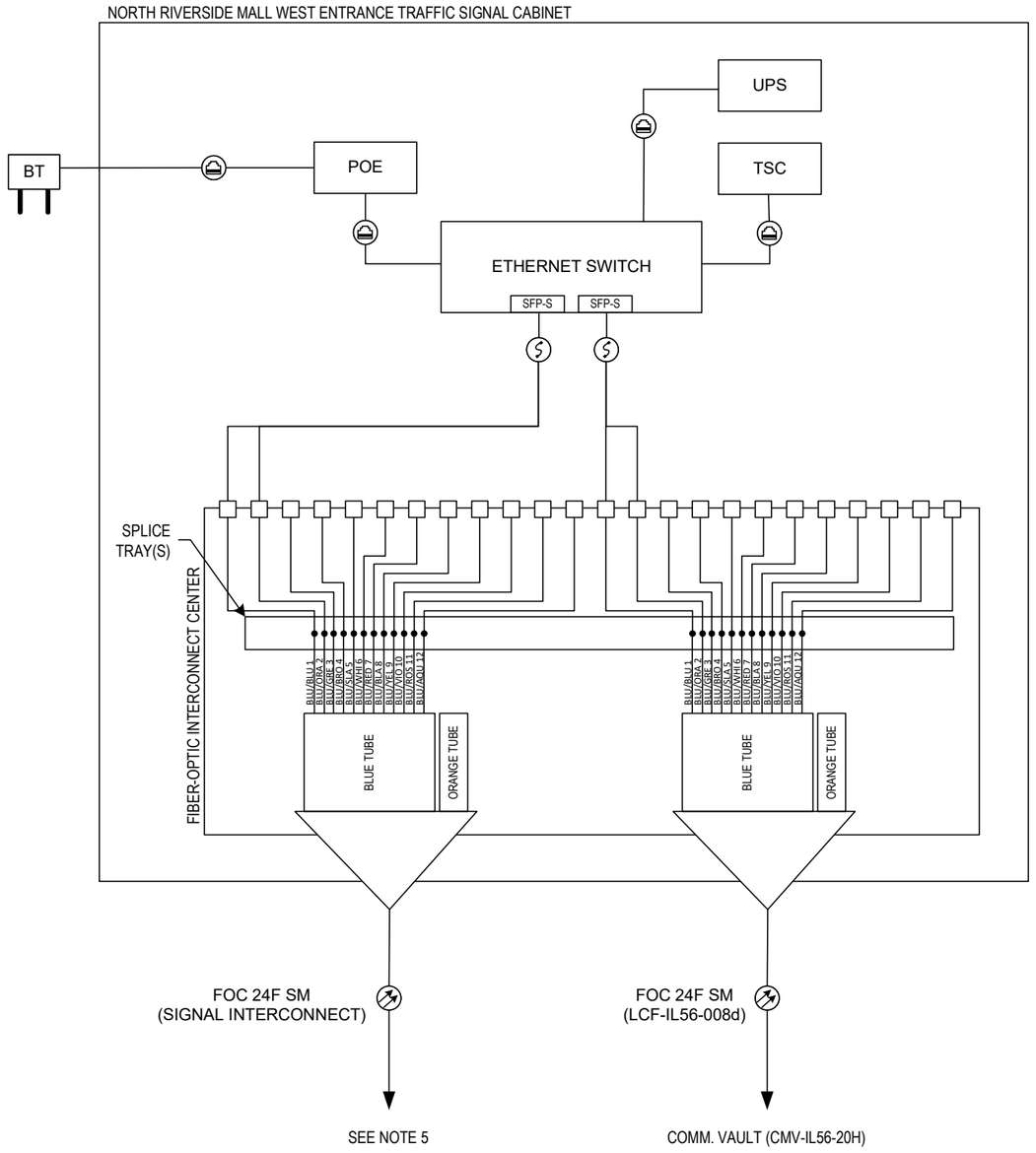
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND N. RIVERSIDE MALL WEST ENTRANCE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	403
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-65

PARSONS

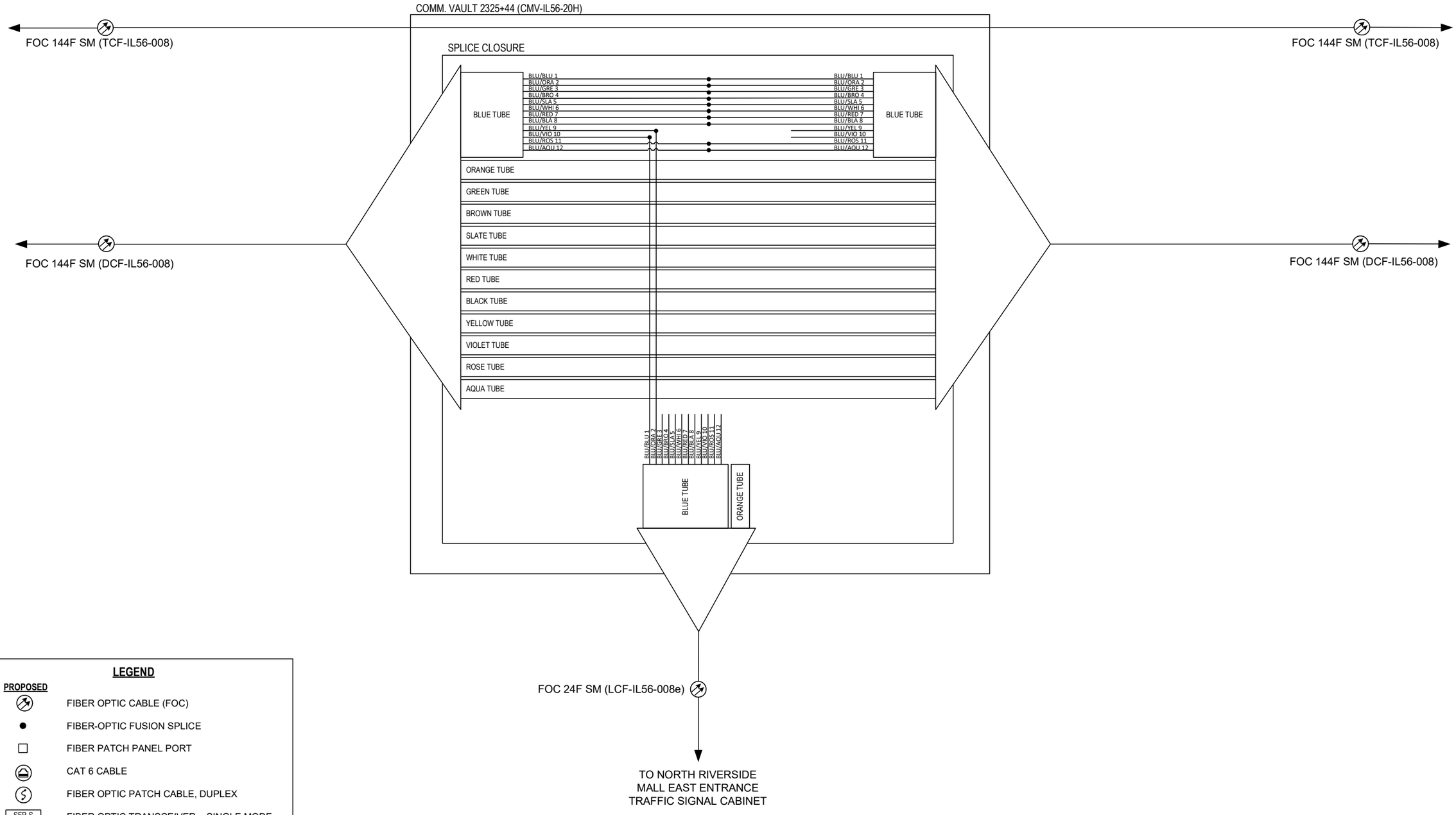
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND N. RIVERSIDE MALL WEST ENTRANCE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	404
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-66

PARSONS

DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

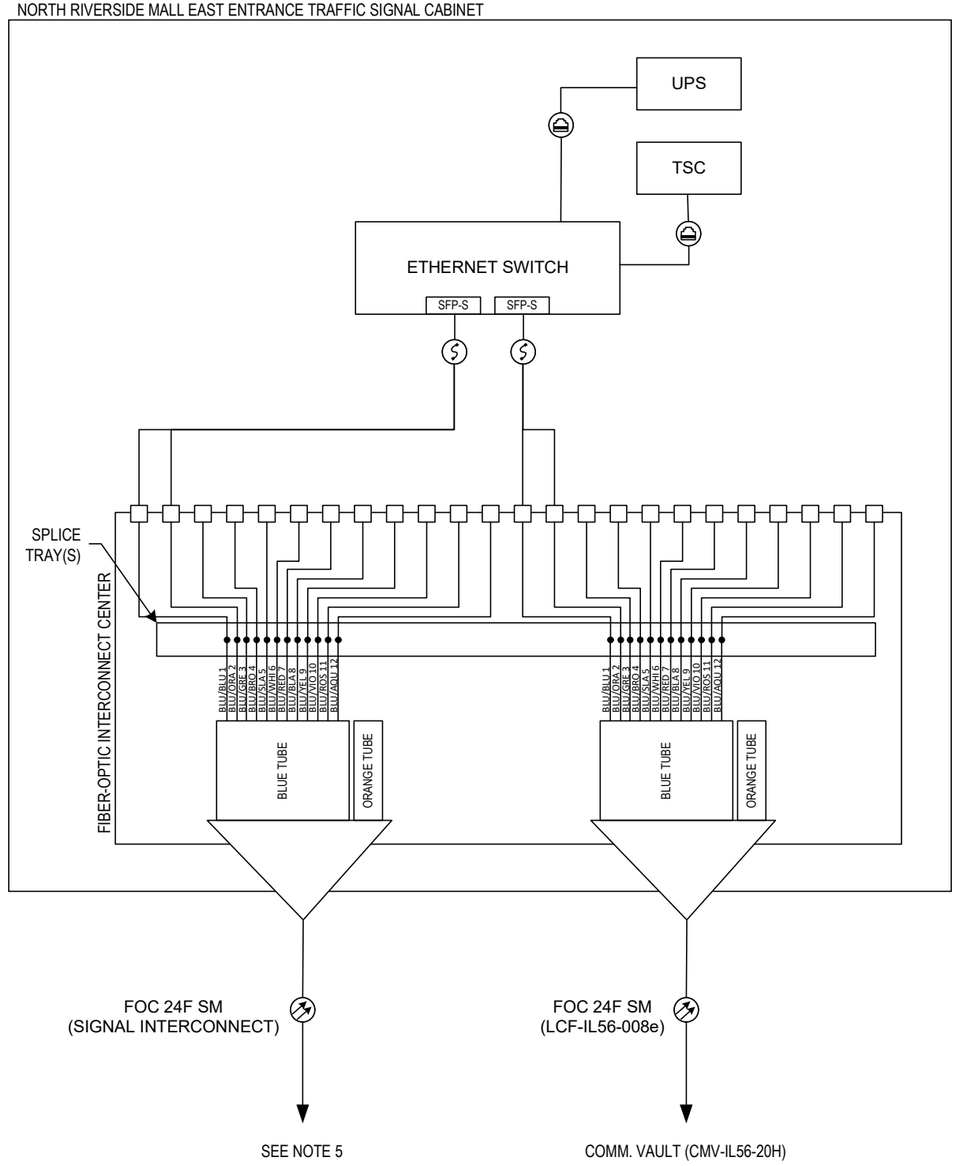
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND N. RIVERSIDE MALL EAST ENTRANCE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	405
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		

NORTH RIVERSIDE MALL EAST ENTRANCE TRAFFIC SIGNAL CABINET



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-67

PARSONS

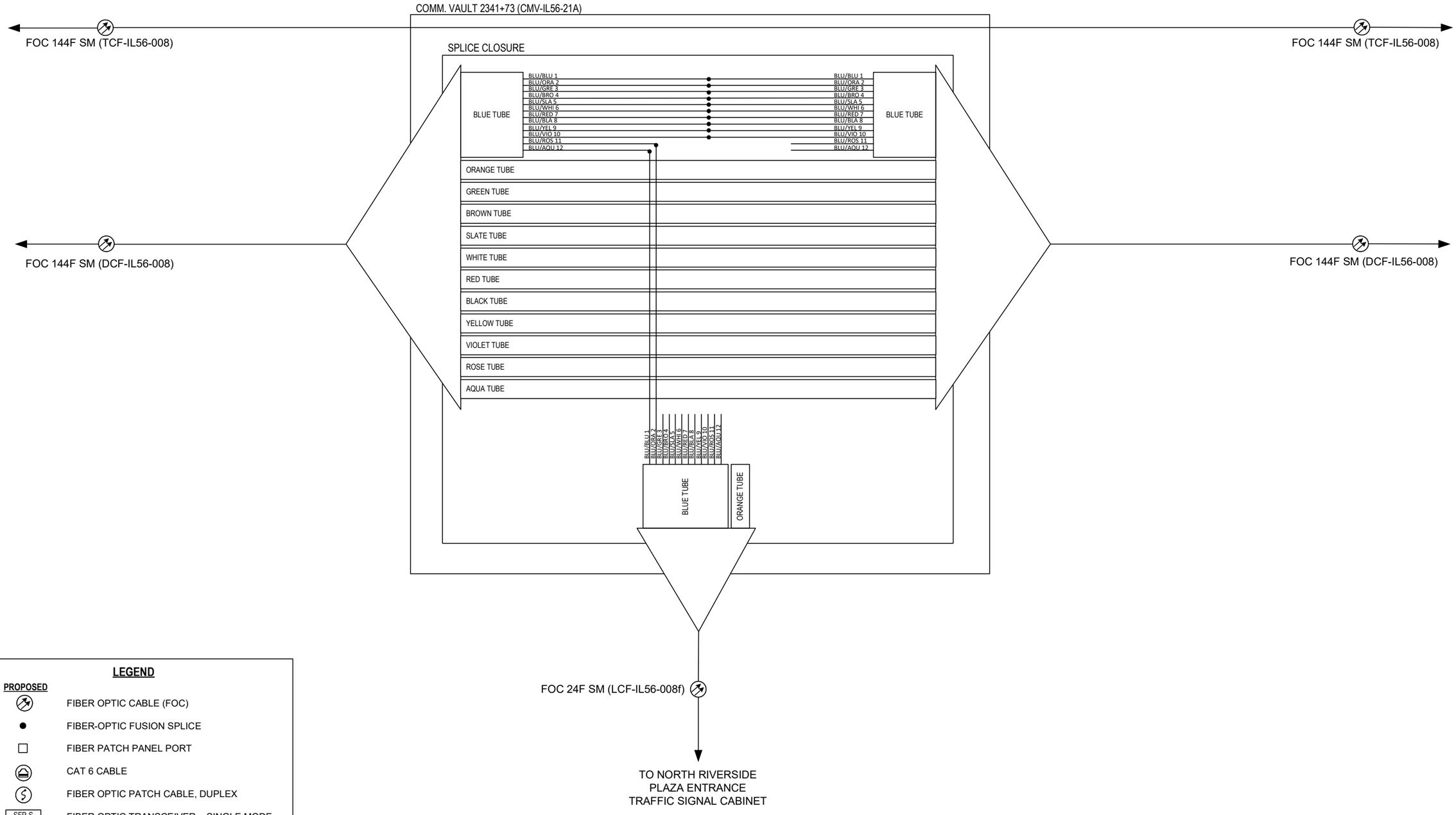
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND N. RIVERSIDE MALL EAST ENTRANCE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	406
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-68

PARSONS

DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

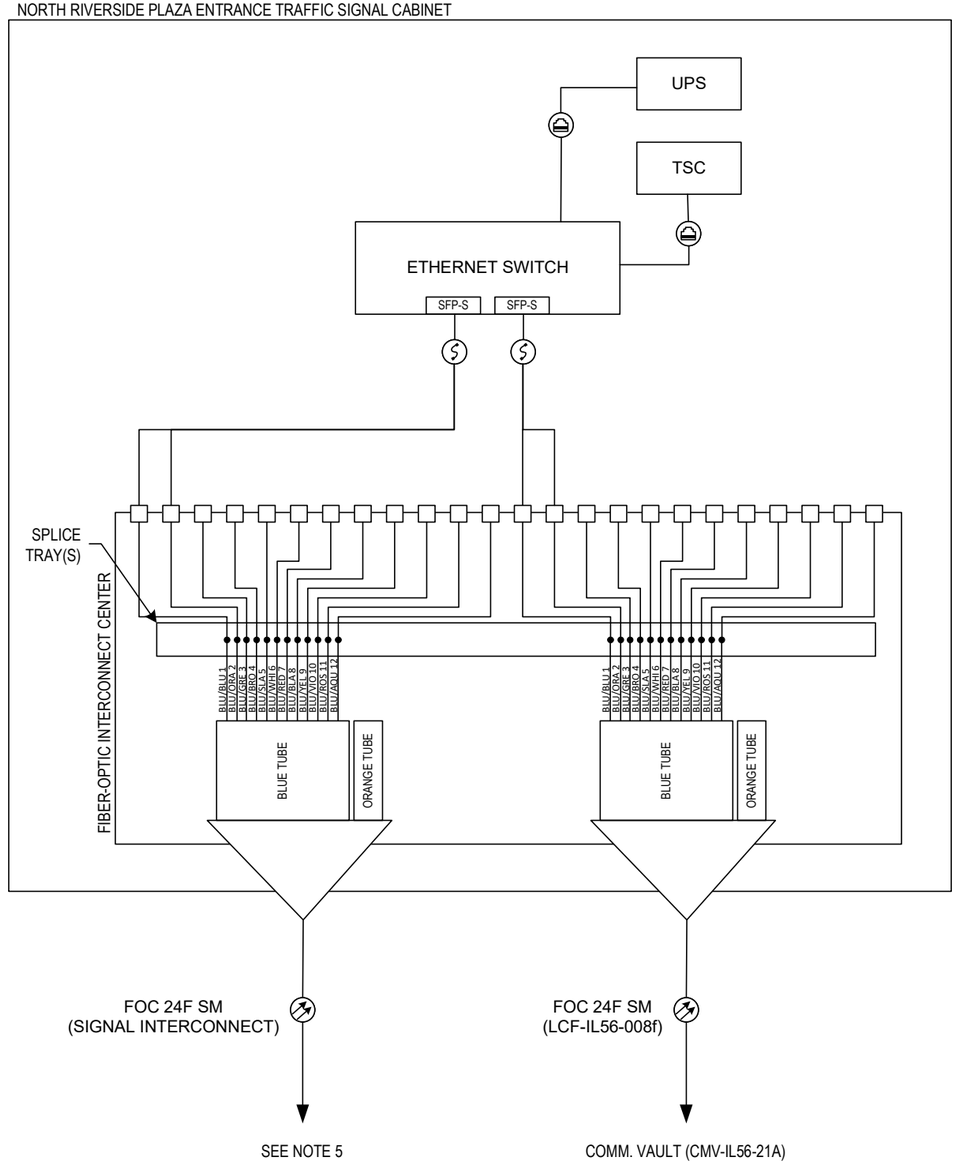
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND N. RIVERSIDE PLAZA ENTRANCE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	407
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		

NORTH RIVERSIDE PLAZA ENTRANCE TRAFFIC SIGNAL CABINET



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-69

PARSONS

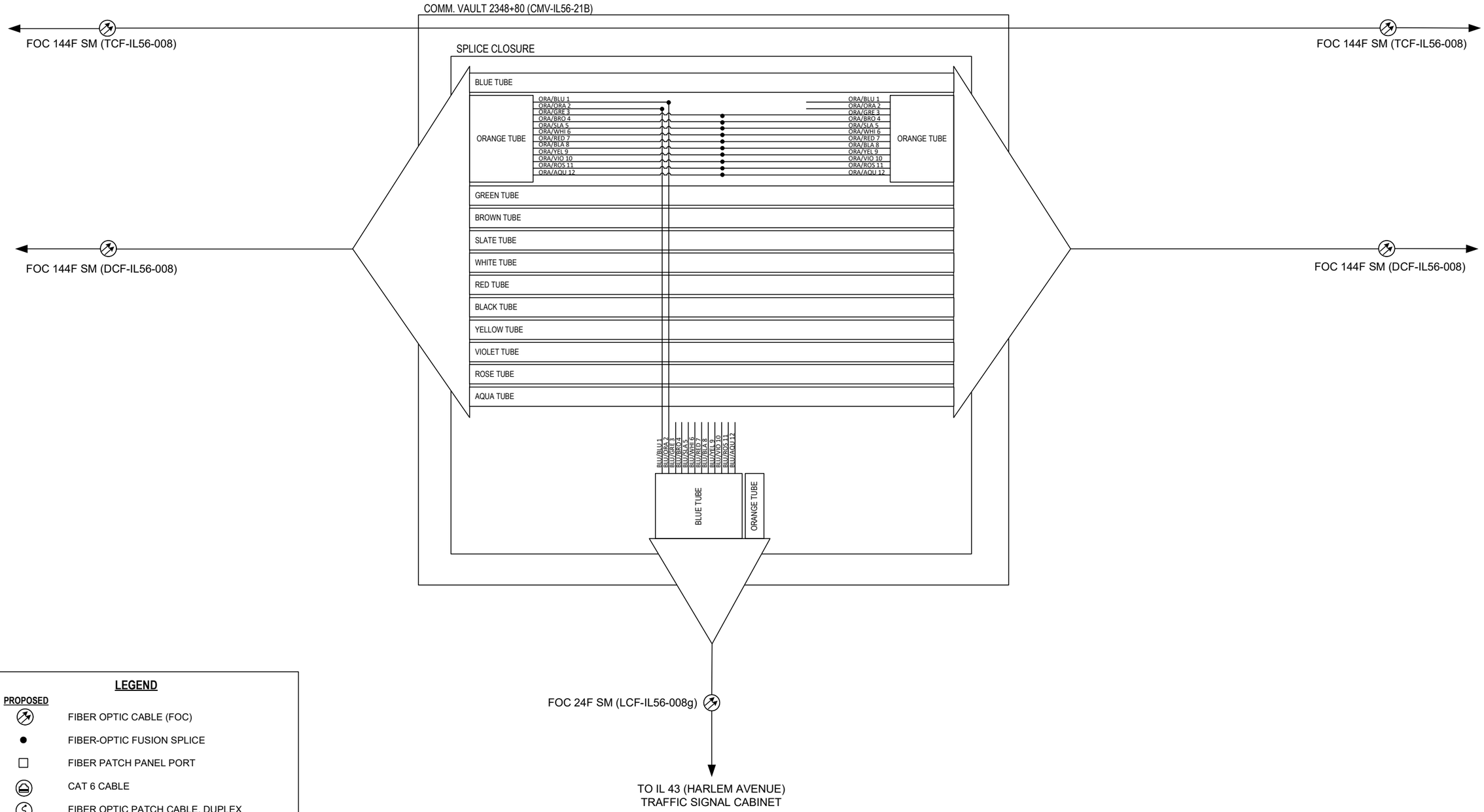
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND N. RIVERSIDE PLAZA ENTRANCE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	408
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-70

PARSONS

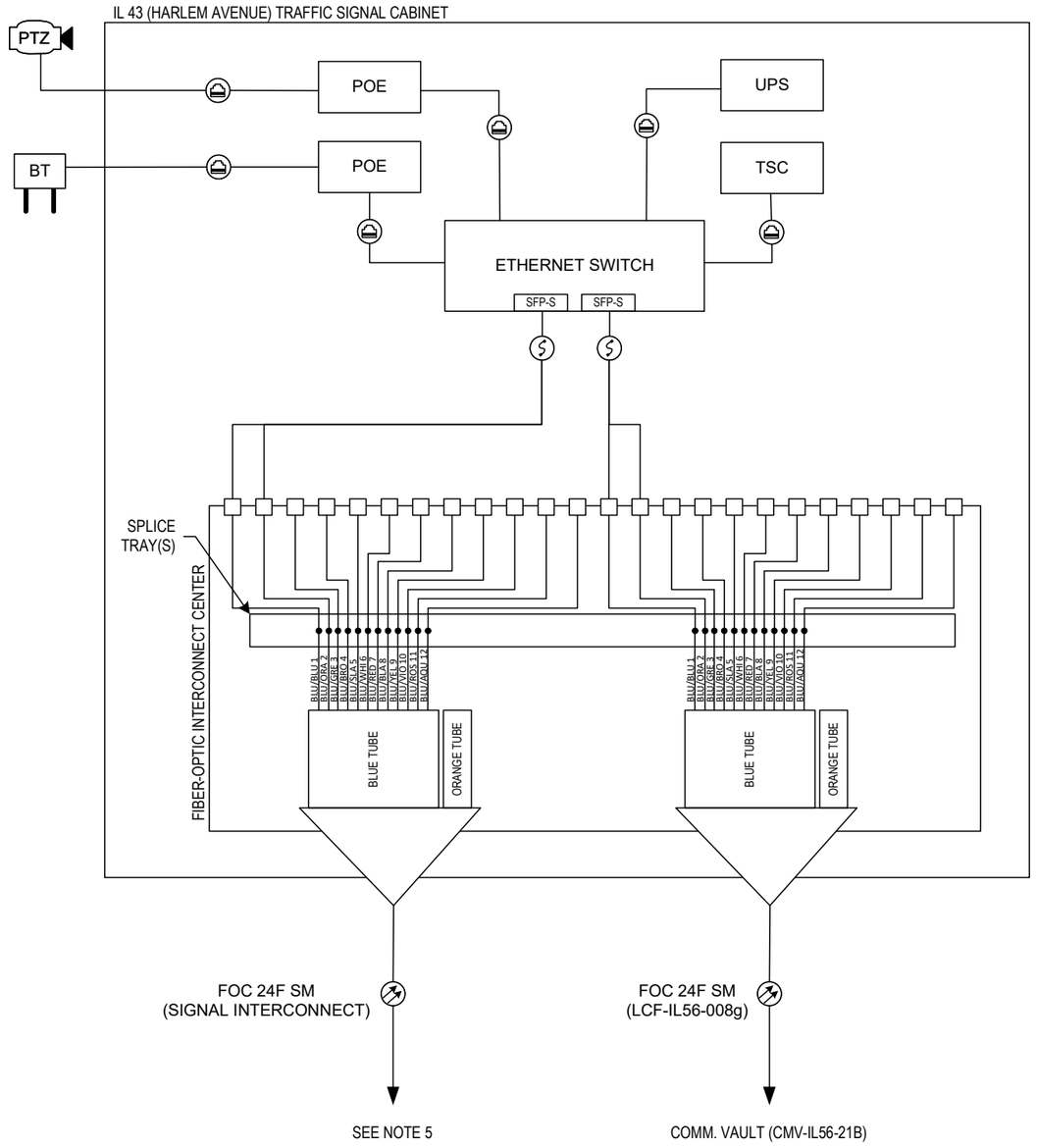
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND IL 43 (HARLEM AVE)

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	409
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-71

PARSONS

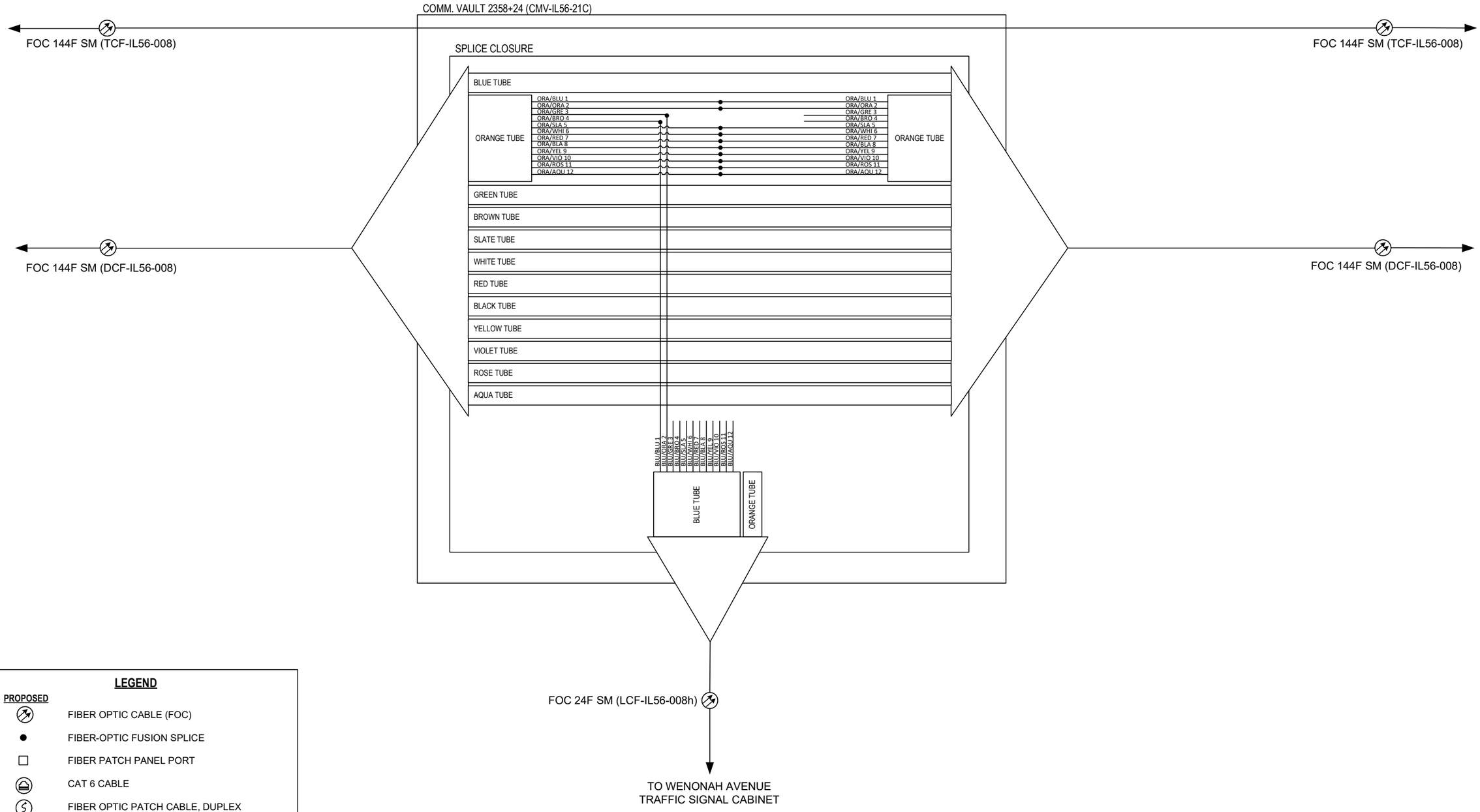
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND IL 43 (HARLEM AVENUE)

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	410
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



LEGEND

PROPOSED

	FIBER OPTIC CABLE (FOC)
	FIBER-OPTIC FUSION SPLICE
	FIBER PATCH PANEL PORT
	CAT 6 CABLE
	FIBER OPTIC PATCH CABLE, DUPLEX
SFP-S	FIBER OPTIC TRANSCEIVER – SINGLE MODE
DMS	DYNAMIC MESSAGE SIGN (DMS)
CNTRL	DMS CONTROLLER
PTZ	CCTV CAMERA, PAN-TILT-ZOOM
RPR	REMOTE POWER RELAY
UPS	UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-72

PARSONS

DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

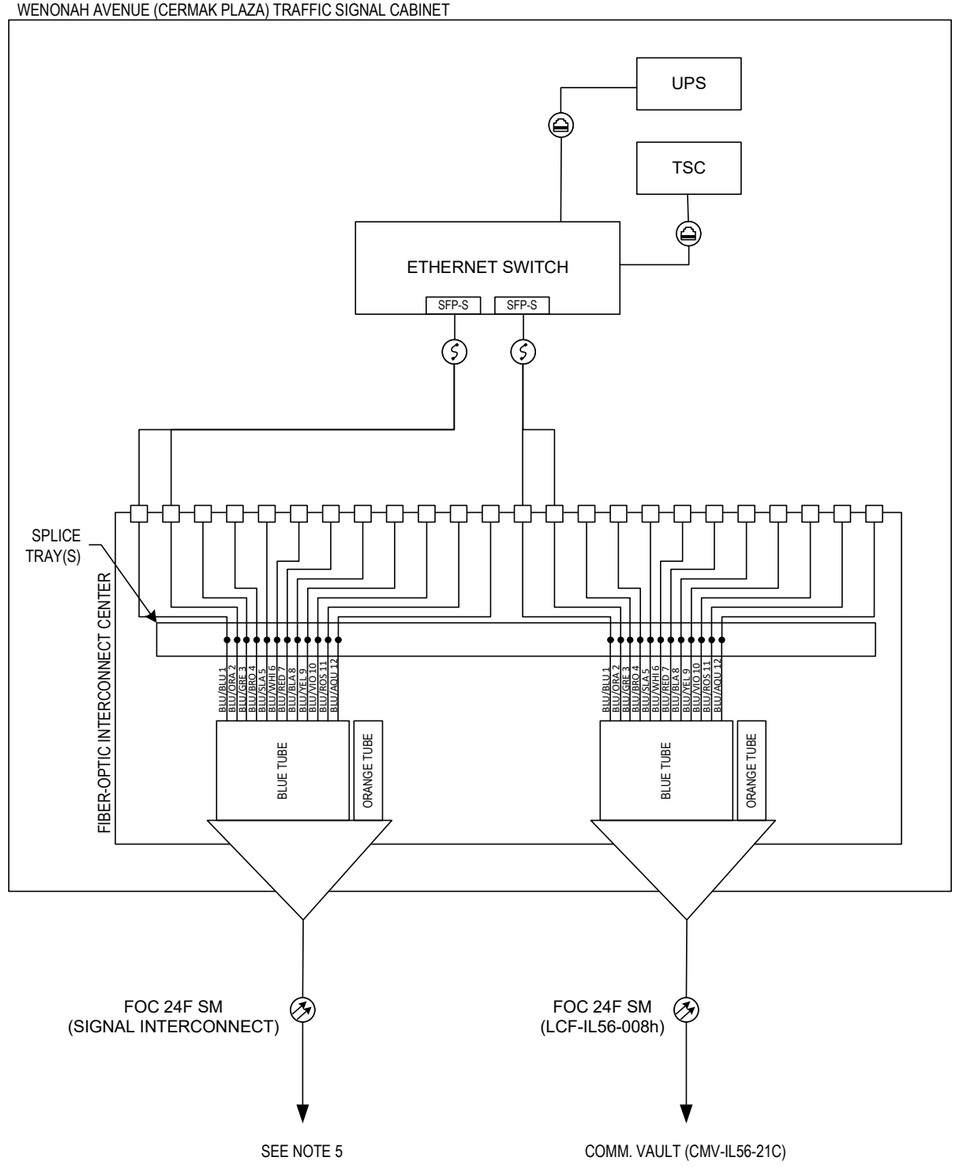
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND WENONAH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	411
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		

WENONAH AVENUE (CERMAK PLAZA) TRAFFIC SIGNAL CABINET



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-73

PARSONS

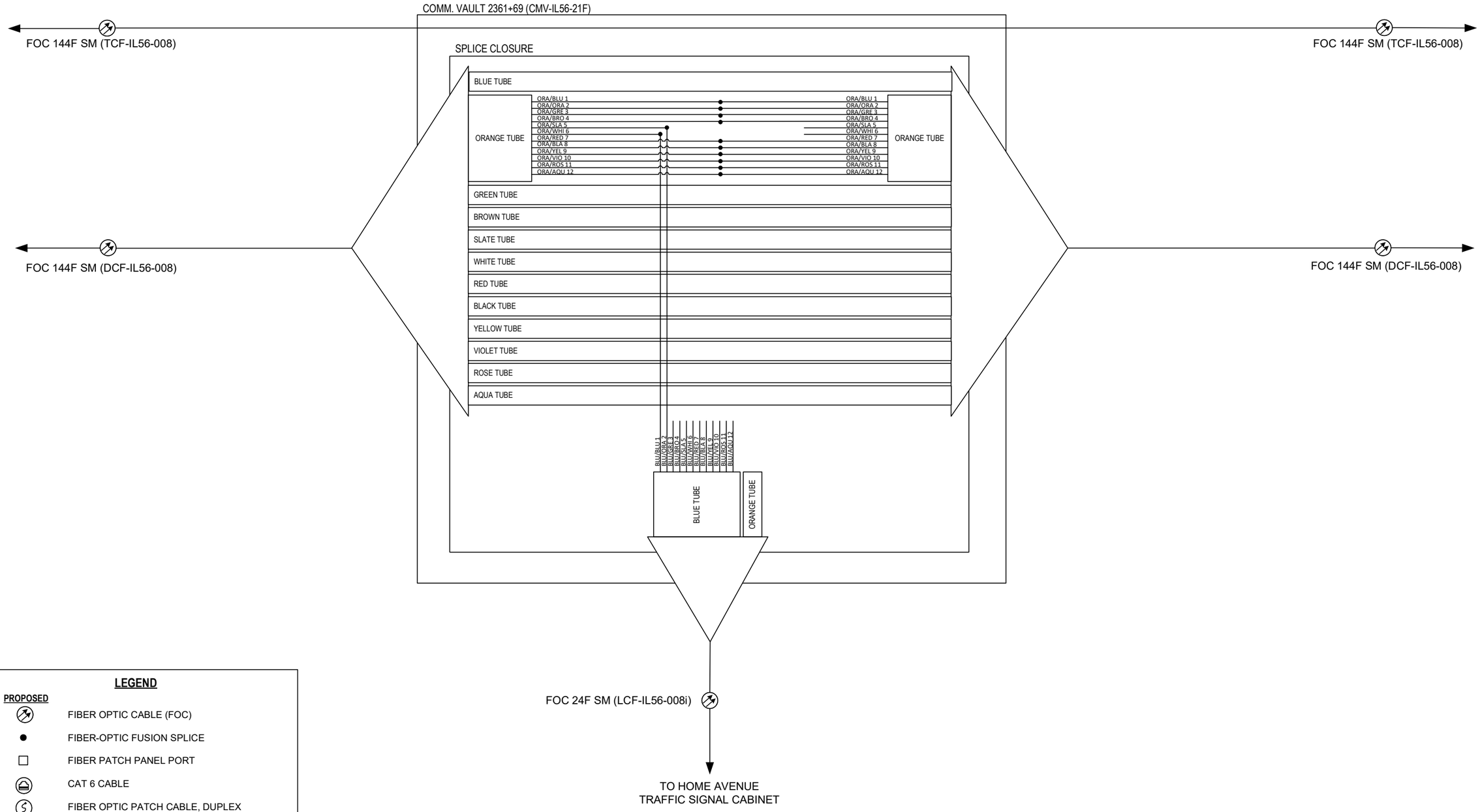
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND WENONAH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	412
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-74

PARSONS

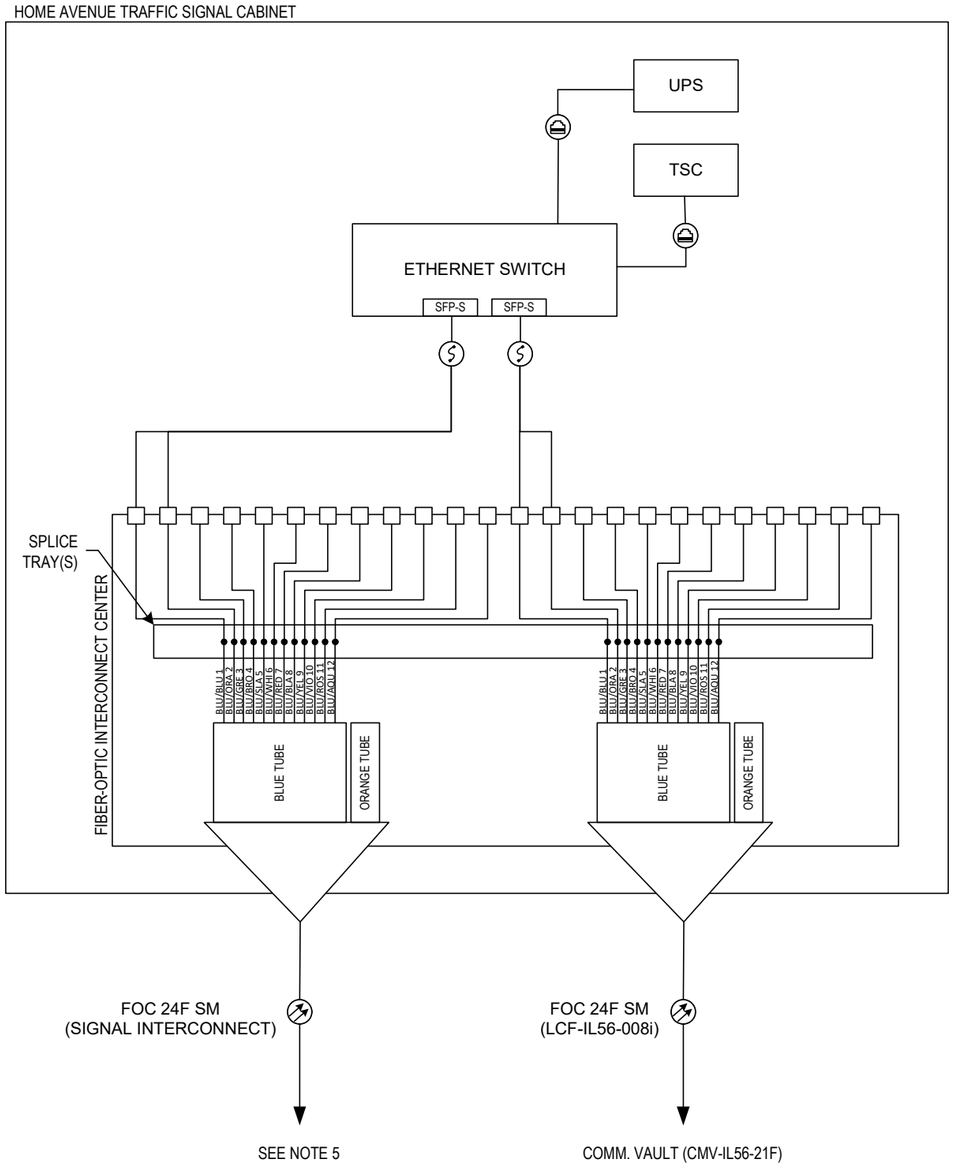
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND HOME AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	413
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-75

PARSONS

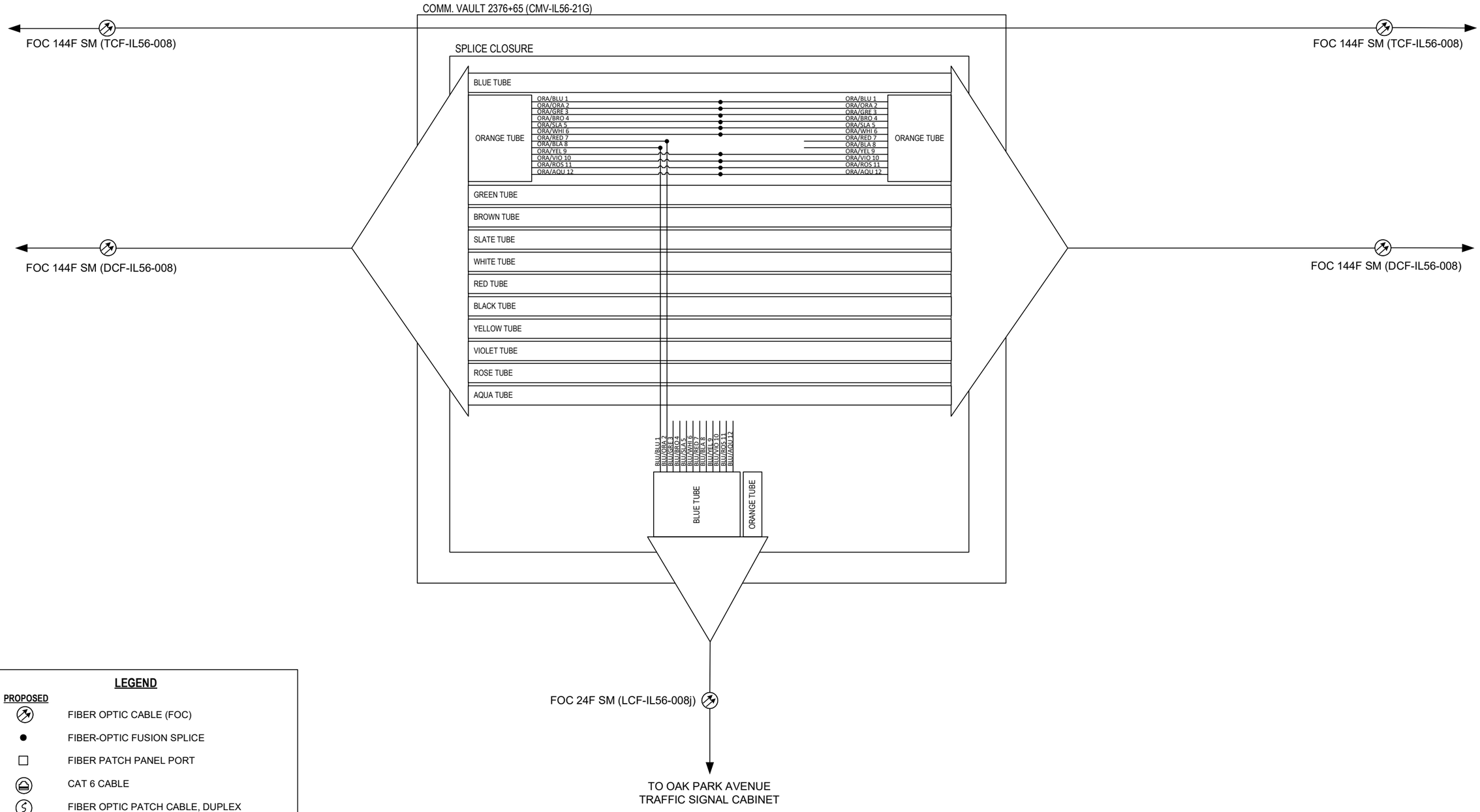
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND HOME AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	414
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-76

PARSONS

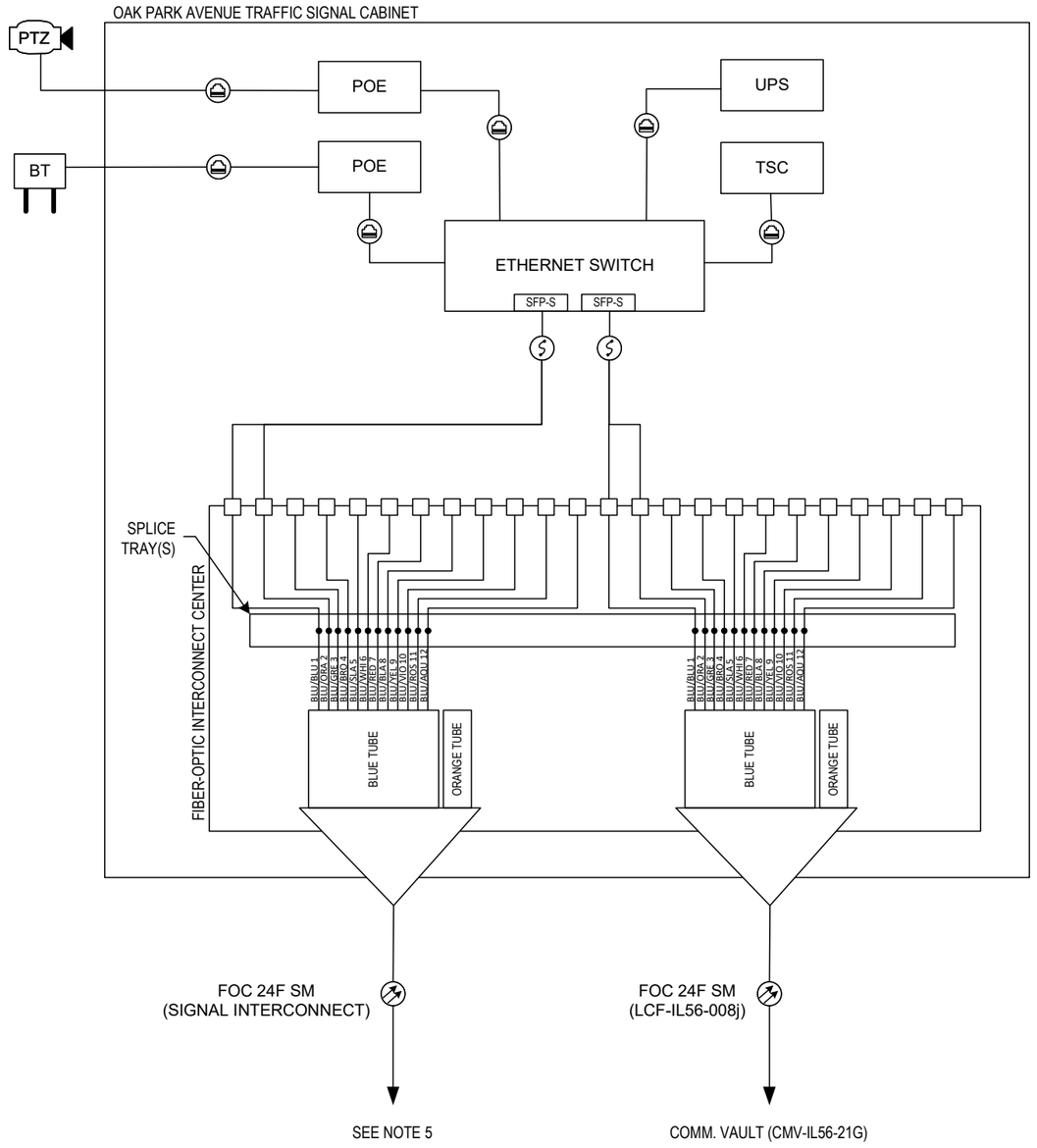
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND OAK PARK AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	415
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-77

PARSONS

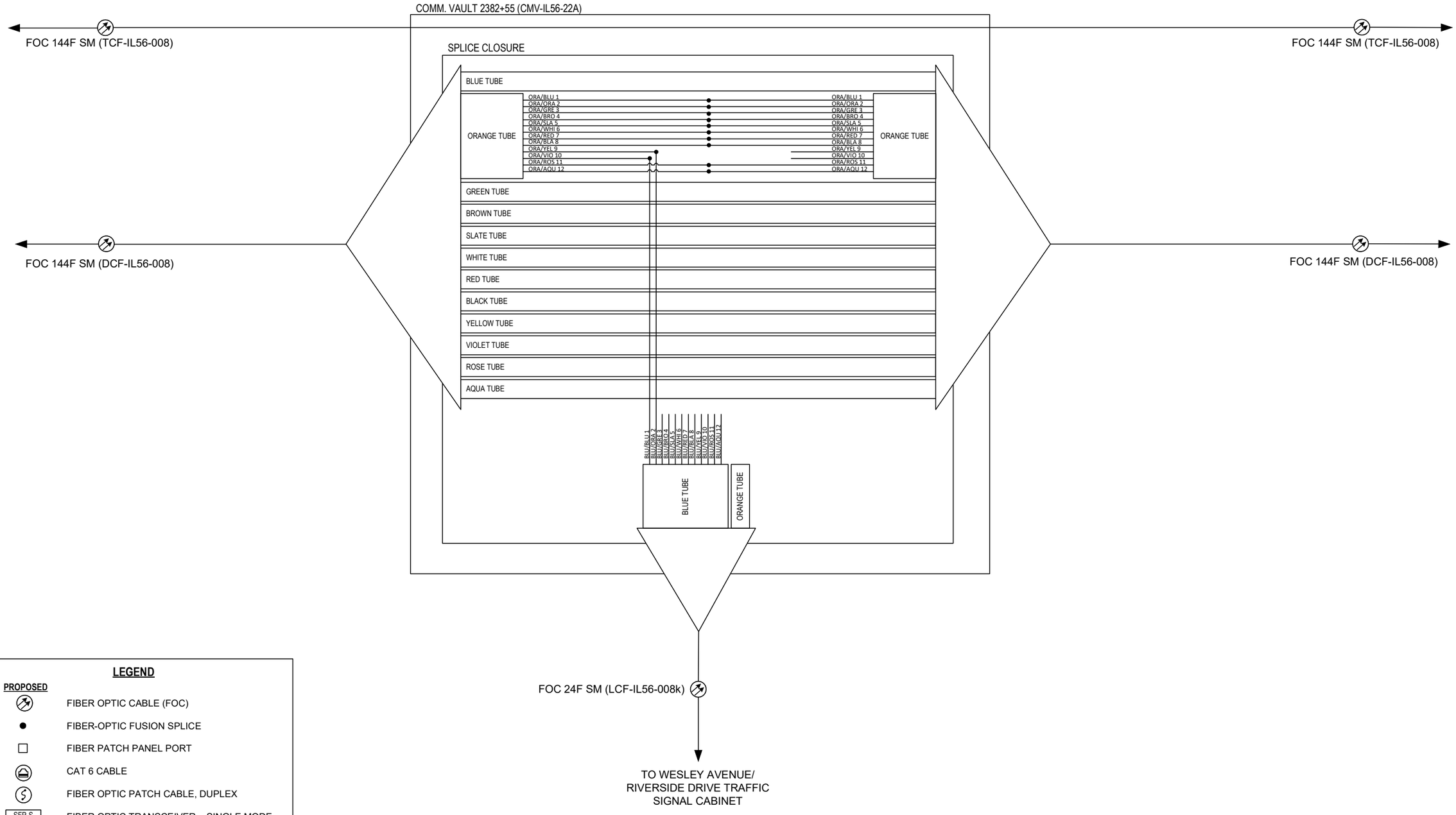
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND OAK PARK AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	416
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

	FIBER OPTIC CABLE (FOC)
	FIBER-OPTIC FUSION SPLICE
	FIBER PATCH PANEL PORT
	CAT 6 CABLE
	FIBER OPTIC PATCH CABLE, DUPLEX
SFP-S	FIBER OPTIC TRANSCEIVER – SINGLE MODE
DMS	DYNAMIC MESSAGE SIGN (DMS)
CNTRL	DMS CONTROLLER
PTZ	CCTV CAMERA, PAN-TILT-ZOOM
RPR	REMOTE POWER RELAY
UPS	UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-78

PARSONS

DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

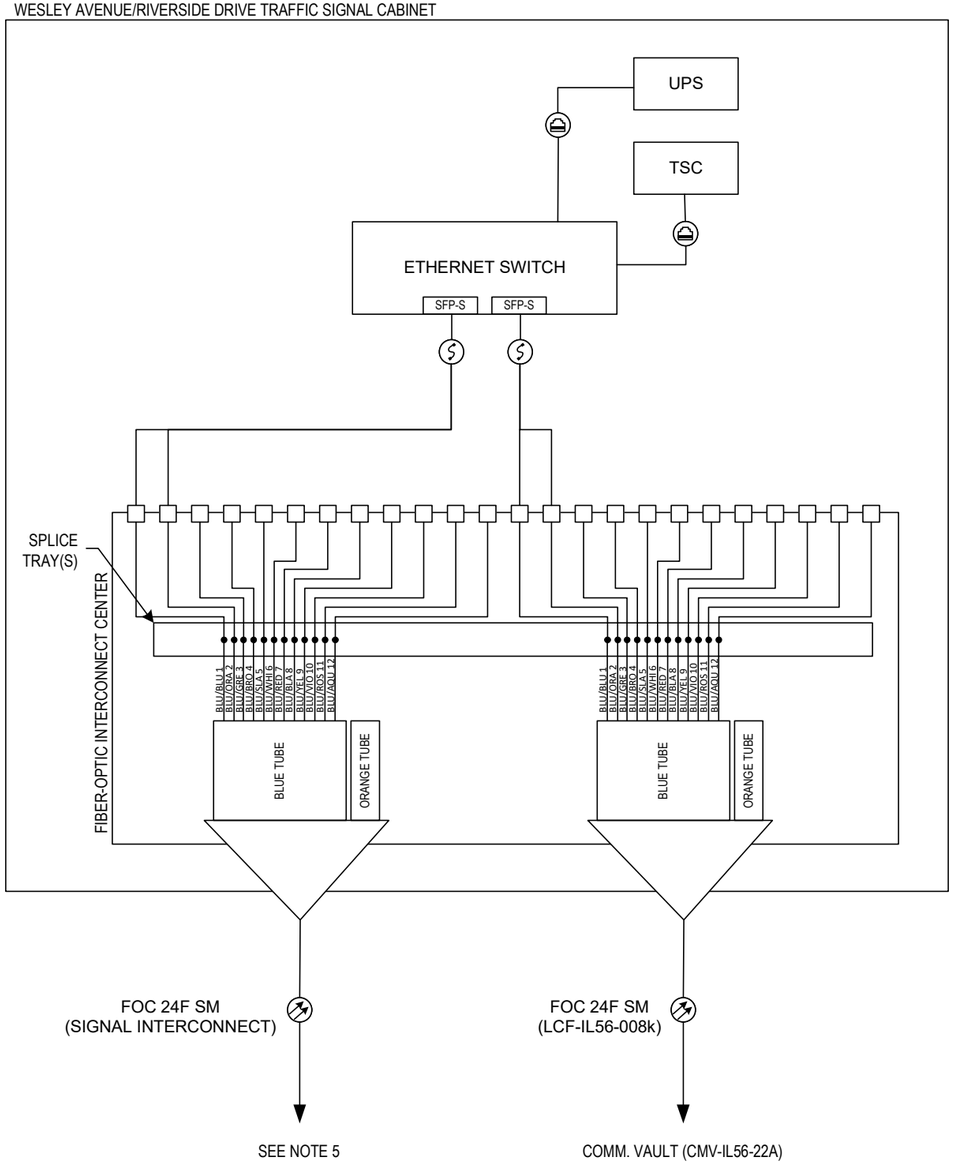
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND WESLEY AVENUE/RIVERSIDE DRIVE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	417
		CONTRACT NO. 62N39		
	ILLINOIS FED. AID PROJECT			

WESLEY AVENUE/RIVERSIDE DRIVE TRAFFIC SIGNAL CABINET



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-79

PARSONS

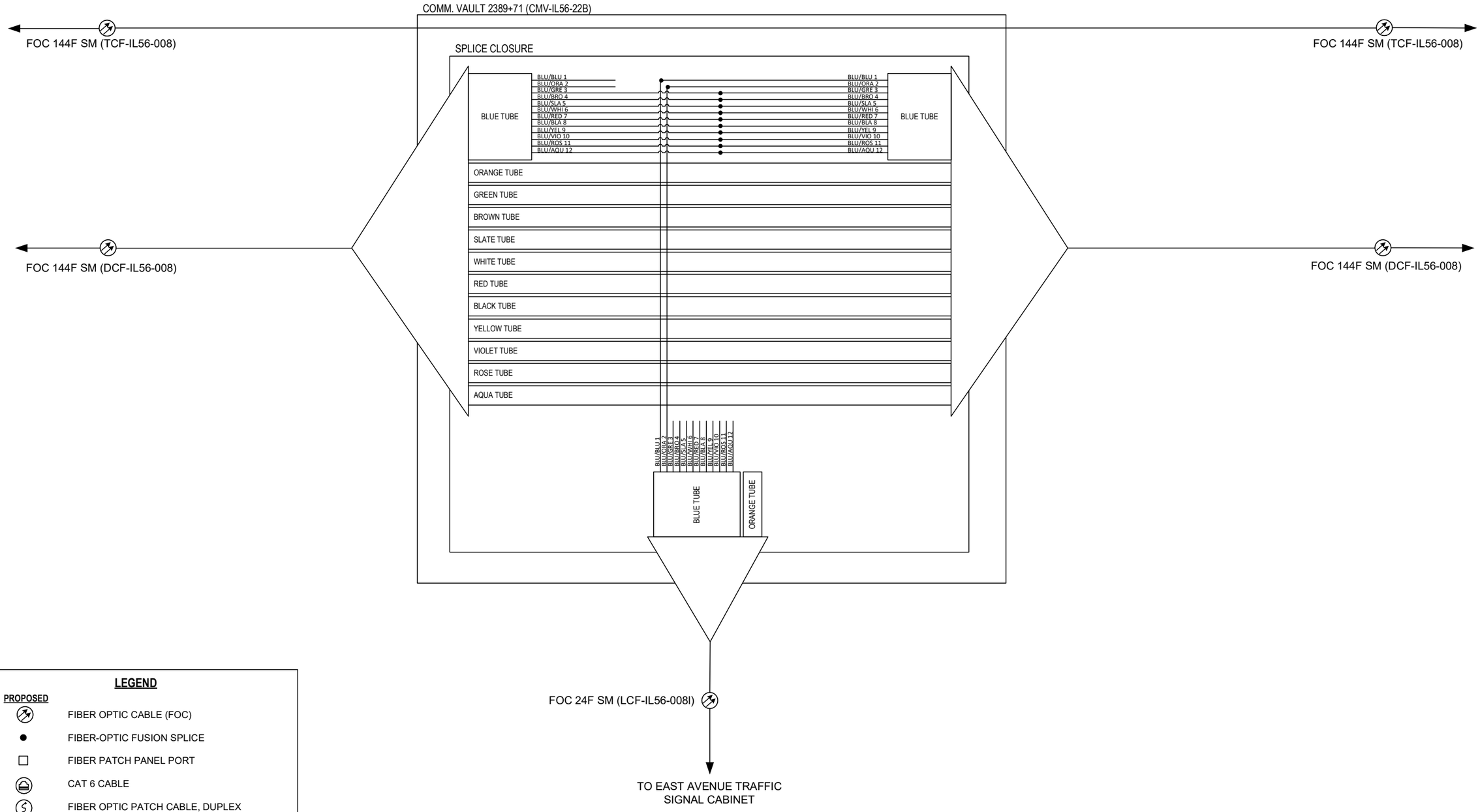
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND WESLEY AVENUE/RIVERSIDE DRIVE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	418
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-80

PARSONS

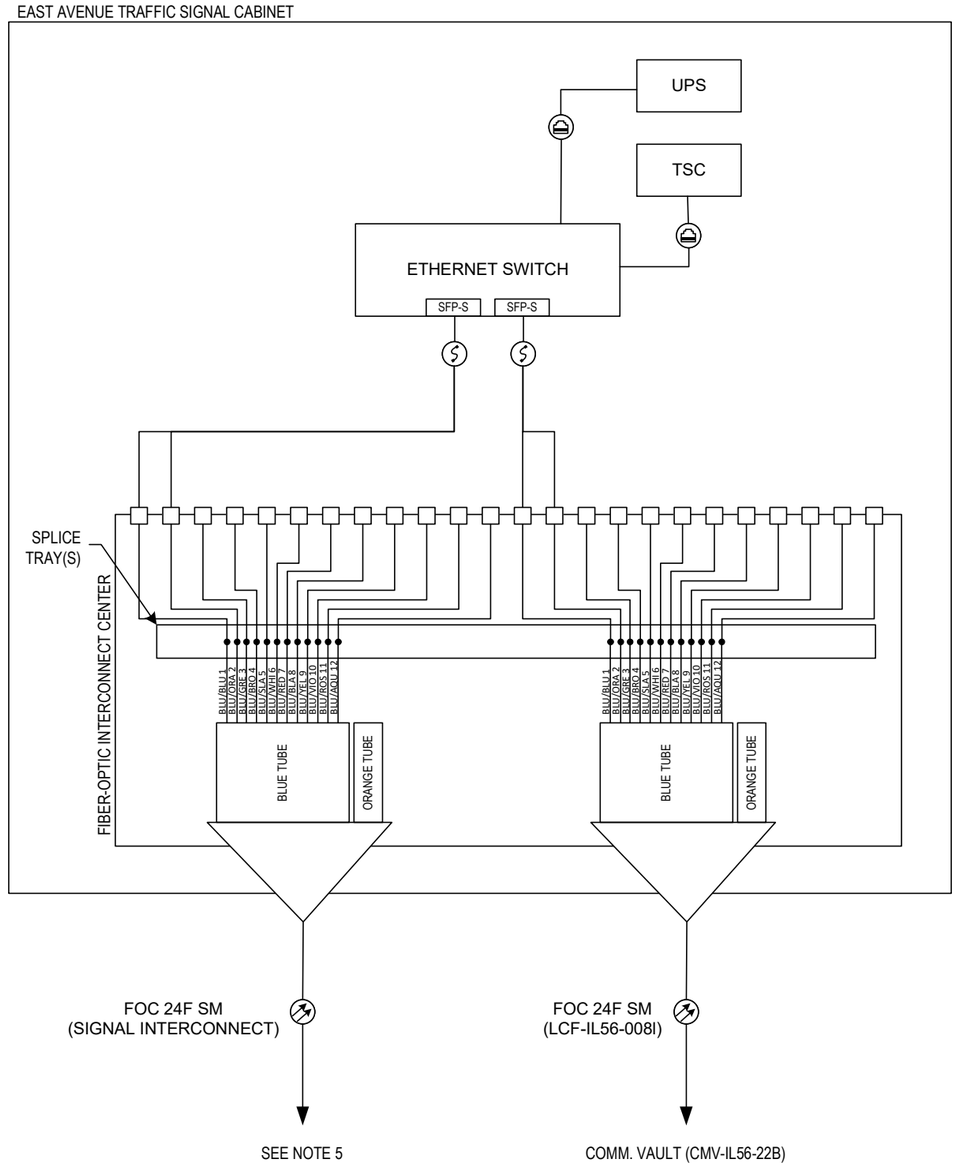
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND EAST AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	419
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-81

PARSONS

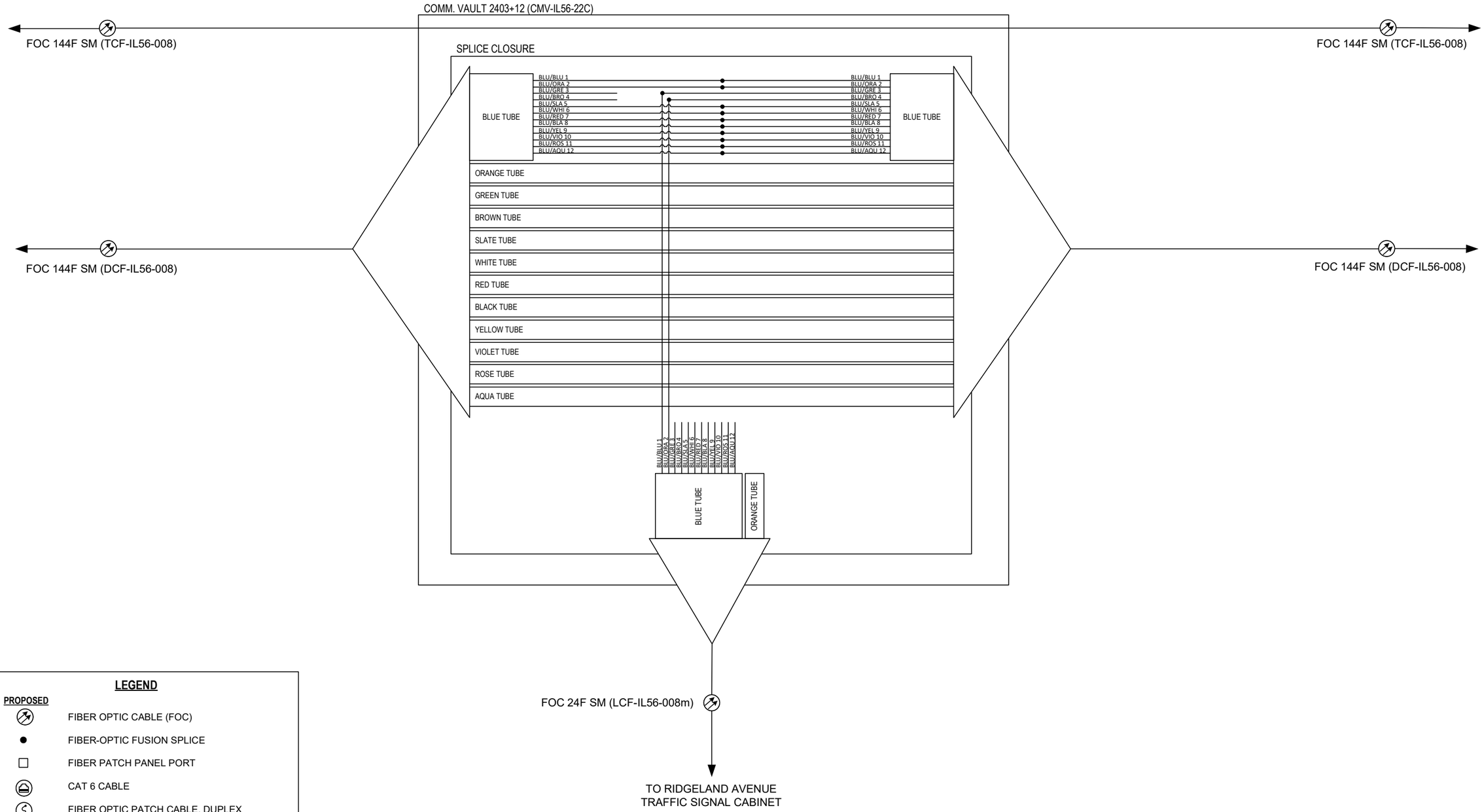
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND EAST AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	420
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

	FIBER OPTIC CABLE (FOC)
	FIBER-OPTIC FUSION SPLICE
	FIBER PATCH PANEL PORT
	CAT 6 CABLE
	FIBER OPTIC PATCH CABLE, DUPLEX
SFP-S	FIBER OPTIC TRANSCEIVER – SINGLE MODE
DMS	DYNAMIC MESSAGE SIGN (DMS)
CNTRL	DMS CONTROLLER
PTZ	CCTV CAMERA, PAN-TILT-ZOOM
RPR	REMOTE POWER RELAY
UPS	UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-82

PARSONS

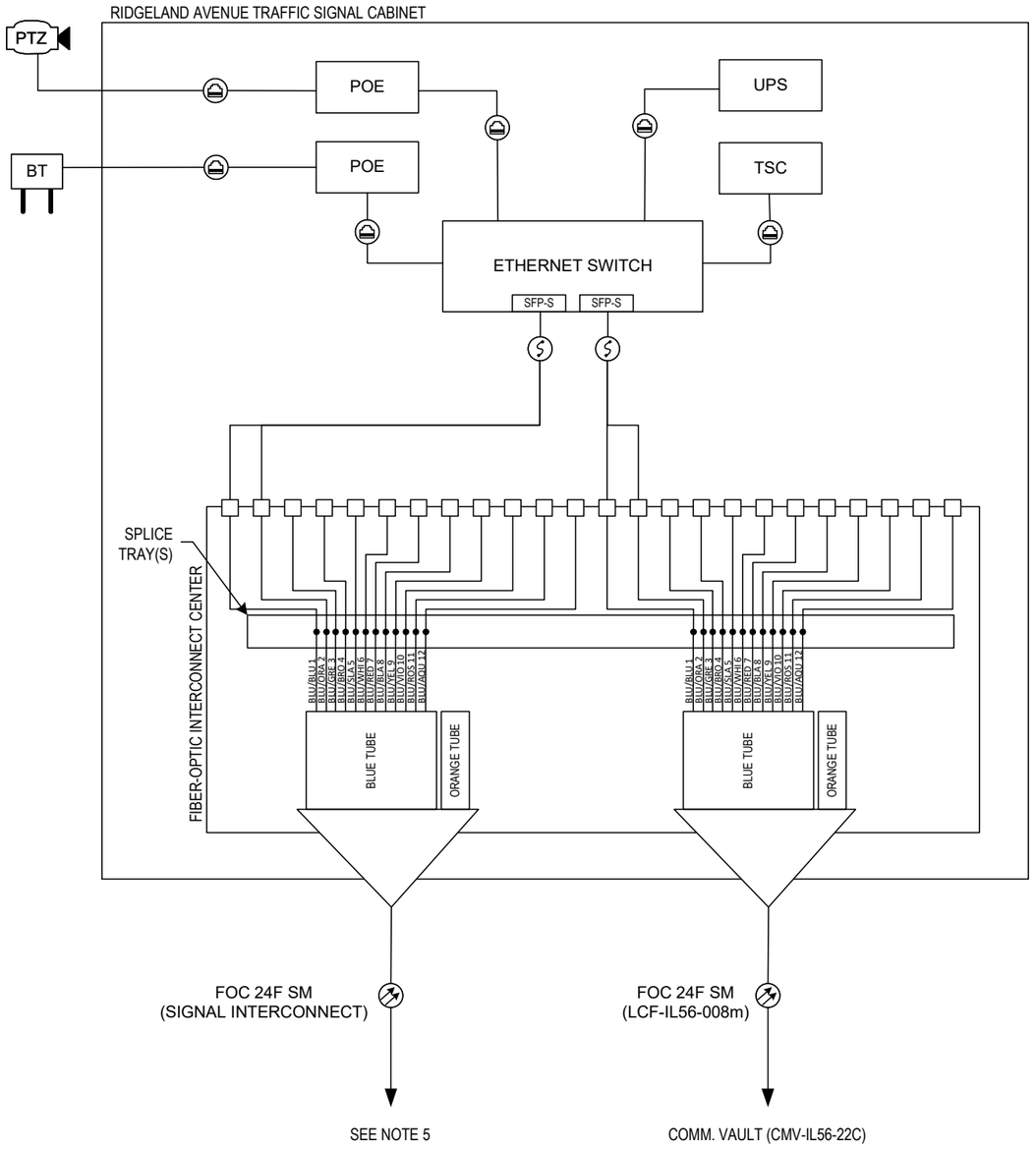
DESIGNED - YJ		REVISED -
DRAWN - MT		REVISED -
CHECKED - RCB/KA		REVISED -
DATE - 11-22-2024		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND RIDGELAND AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	421
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

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5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-83

PARSONS

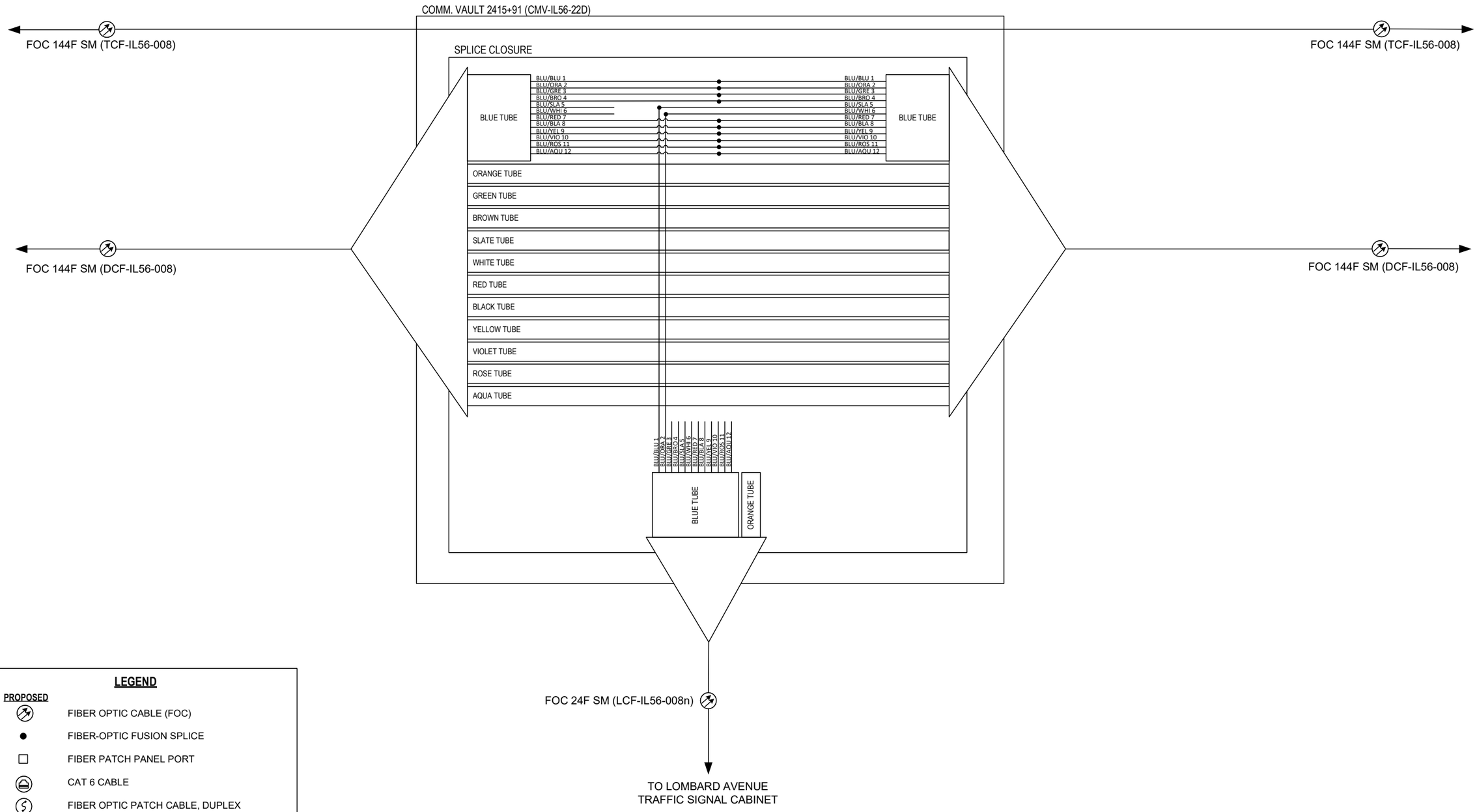
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND RIDGELAND AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	422
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-84

PARSONS

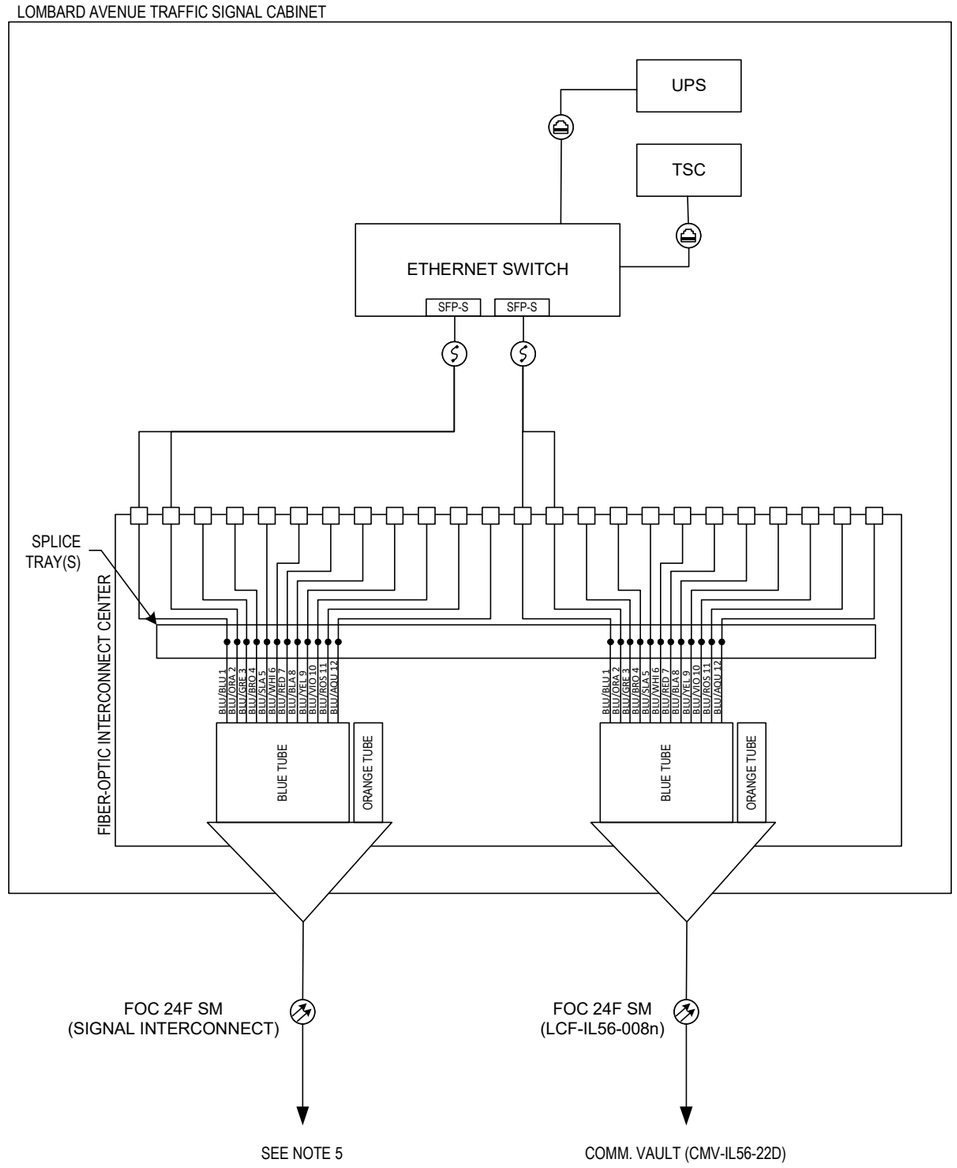
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND LOMBARD AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	423
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-85

PARSONS

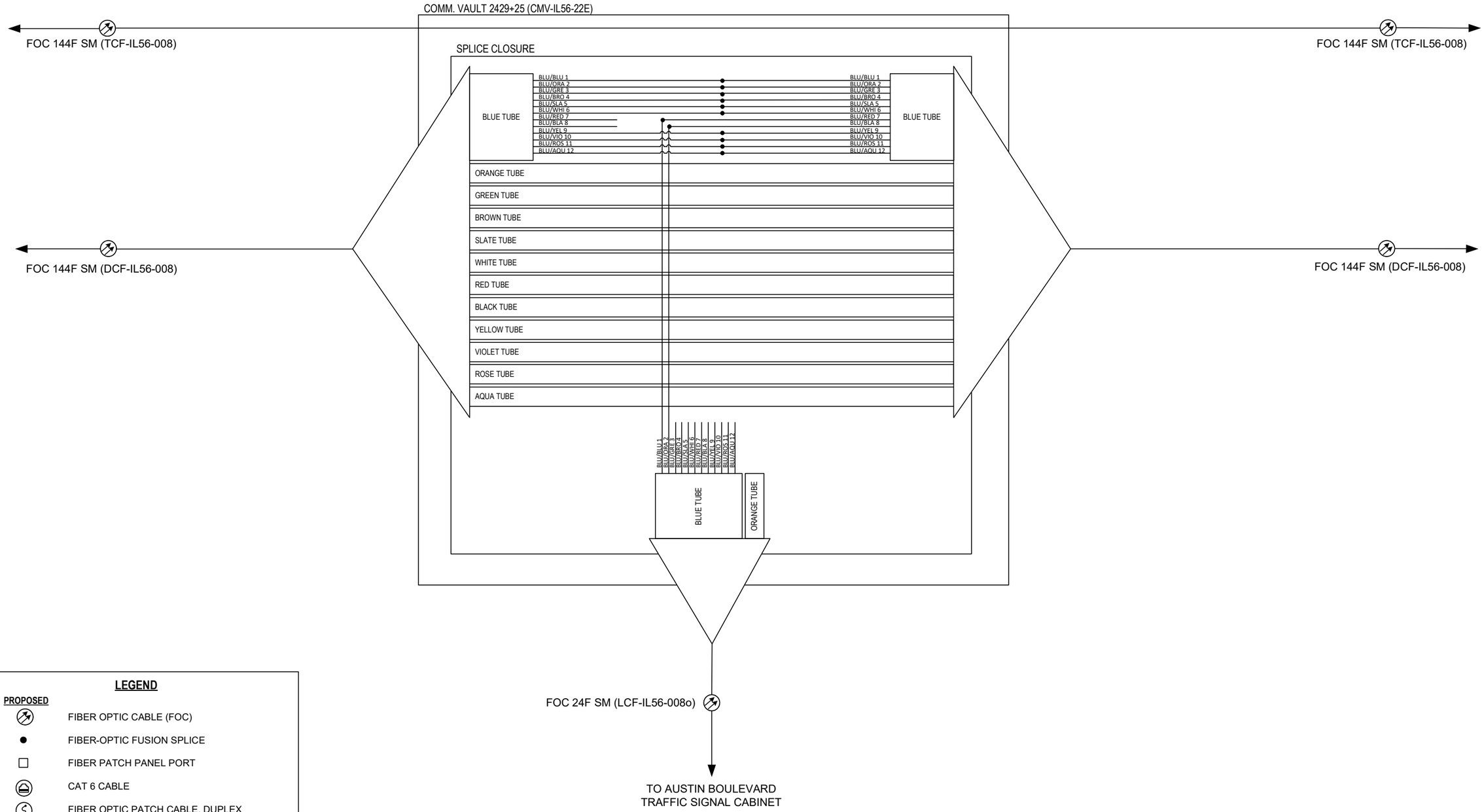
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND LOMBARD AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	424
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-86

PARSONS

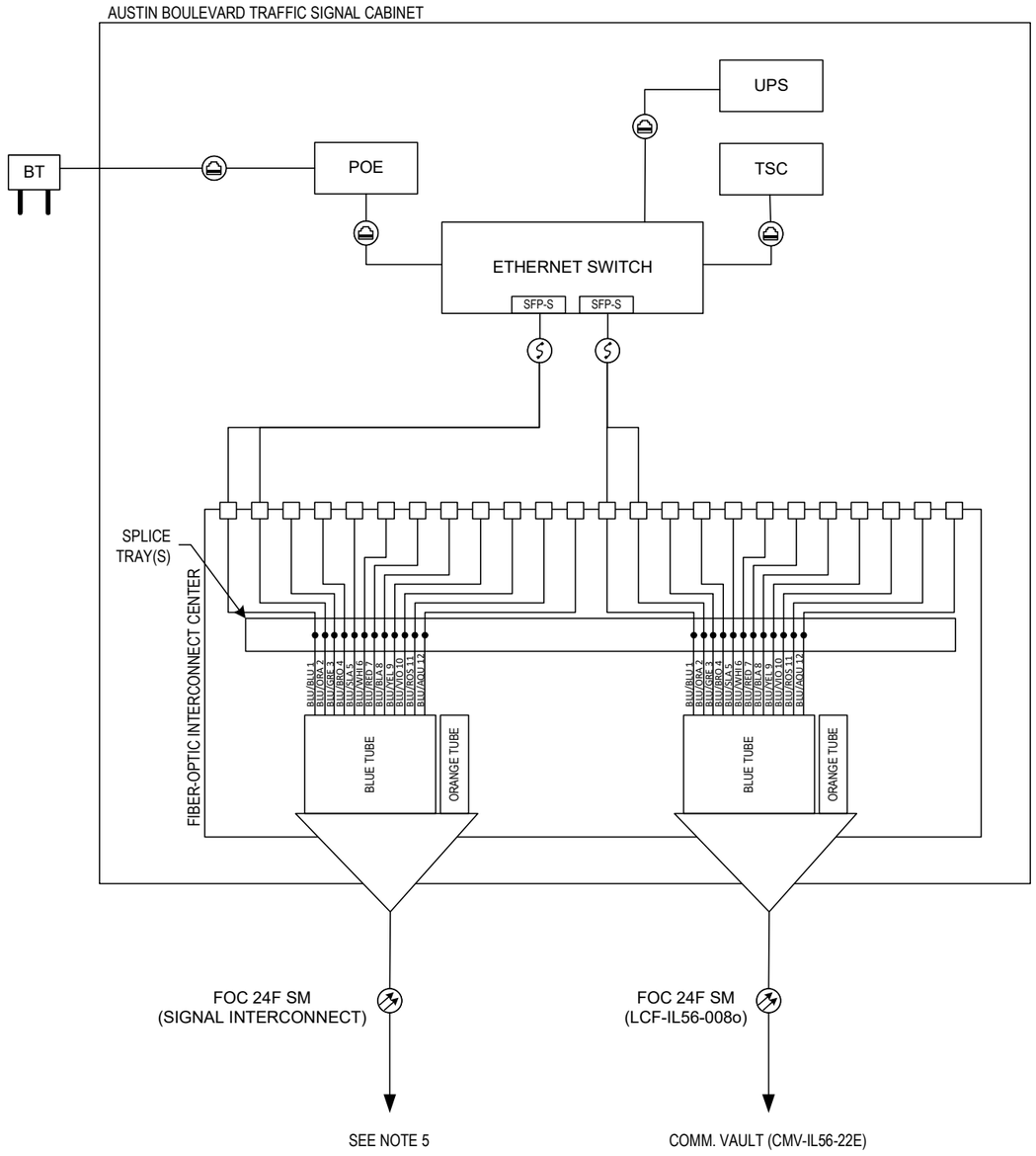
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND AUSTIN BOULEVARD

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	425
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-87

PARSONS

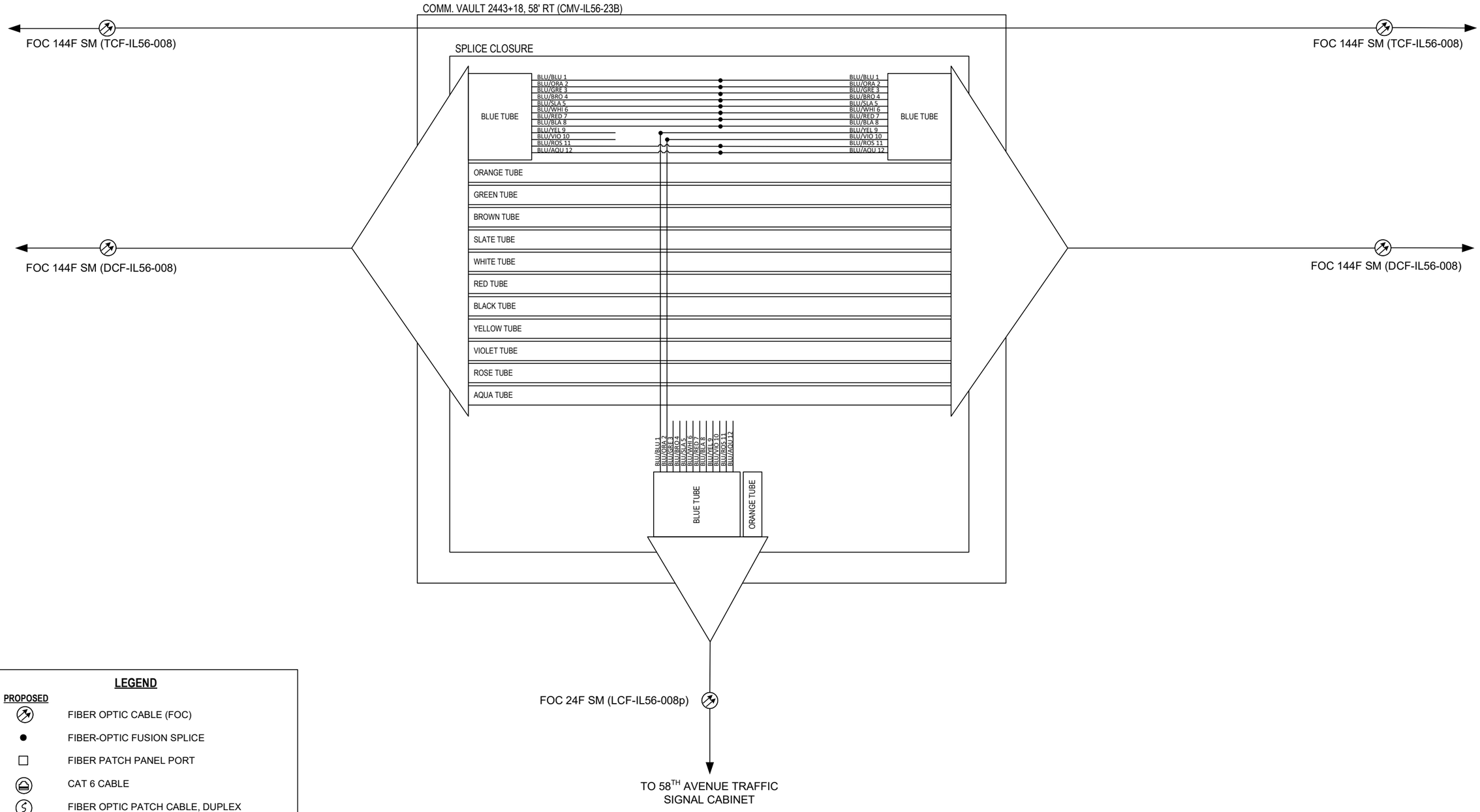
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND AUSTIN BOULEVARD

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	426
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-88

PARSONS

DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

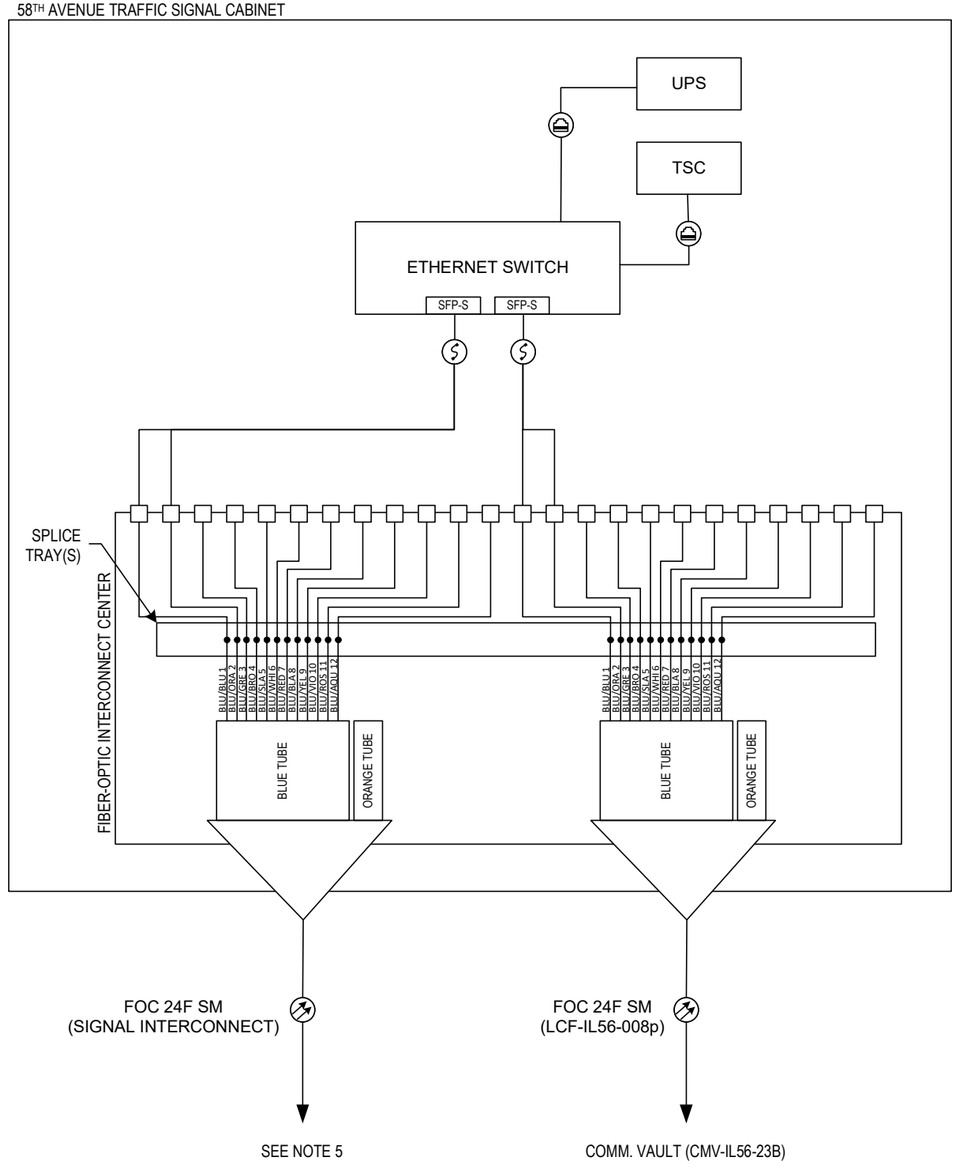
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND 58TH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	427
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		

58TH AVENUE TRAFFIC SIGNAL CABINET



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-89

PARSONS

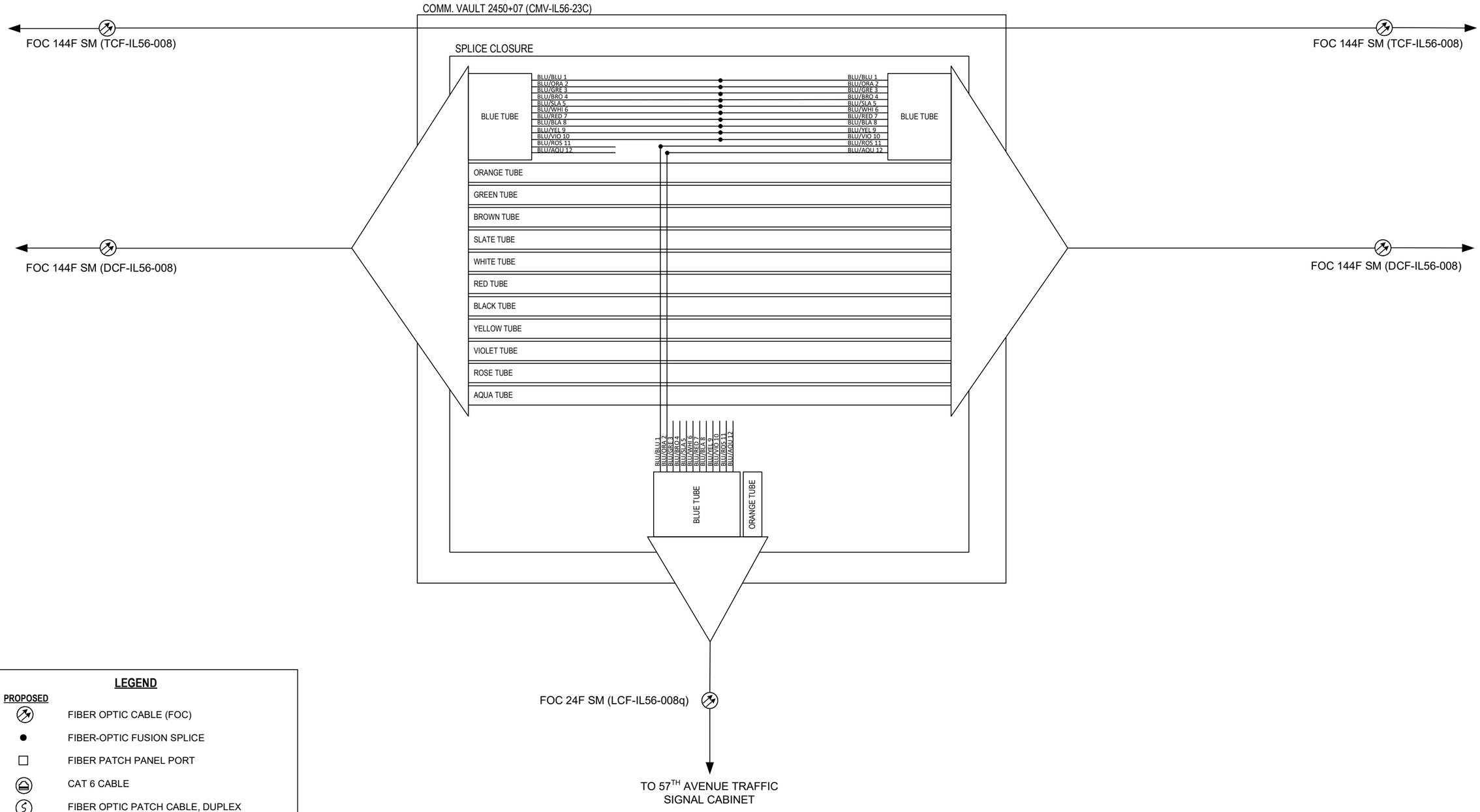
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND 58TH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	428
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-90

PARSONS

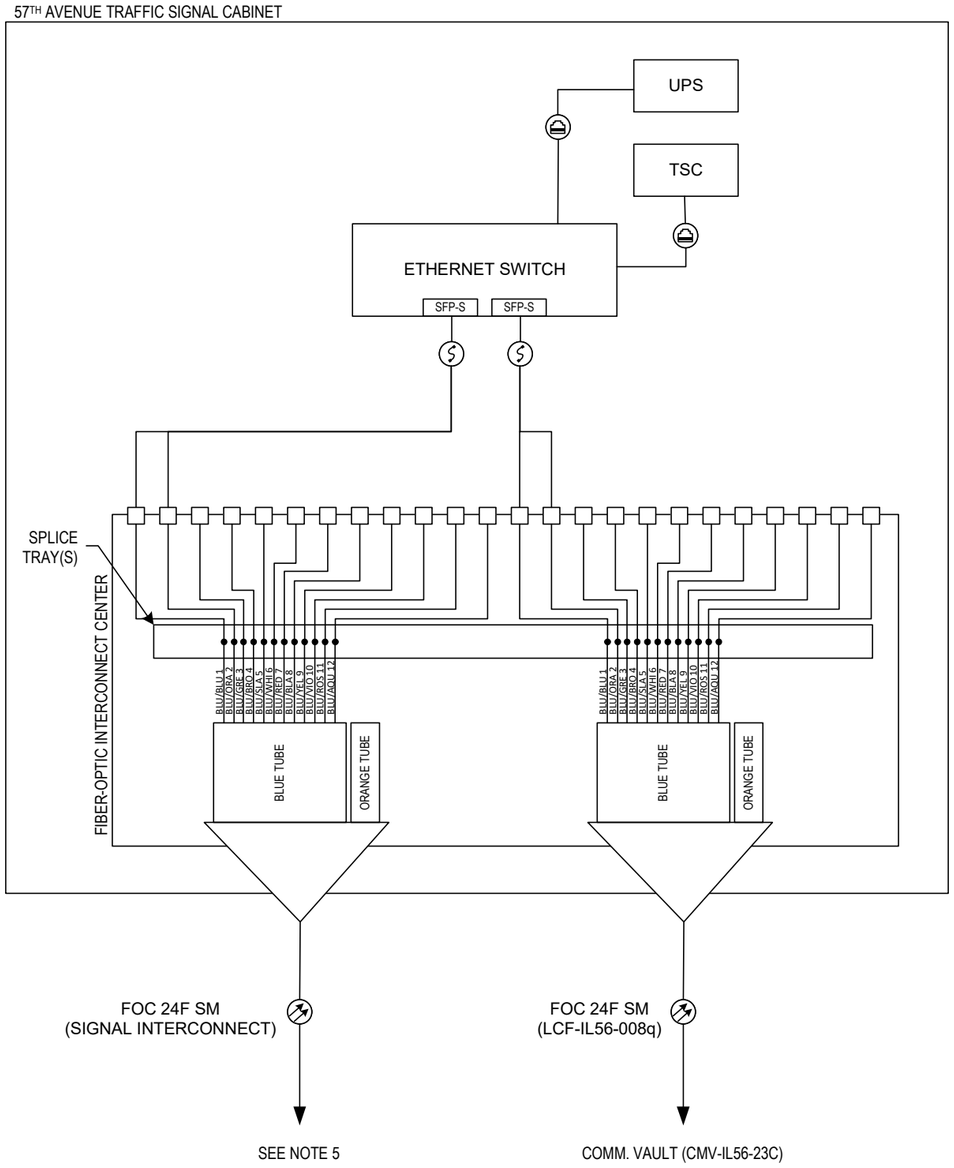
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND 57TH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	429
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION Ssplice
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-91

PARSONS

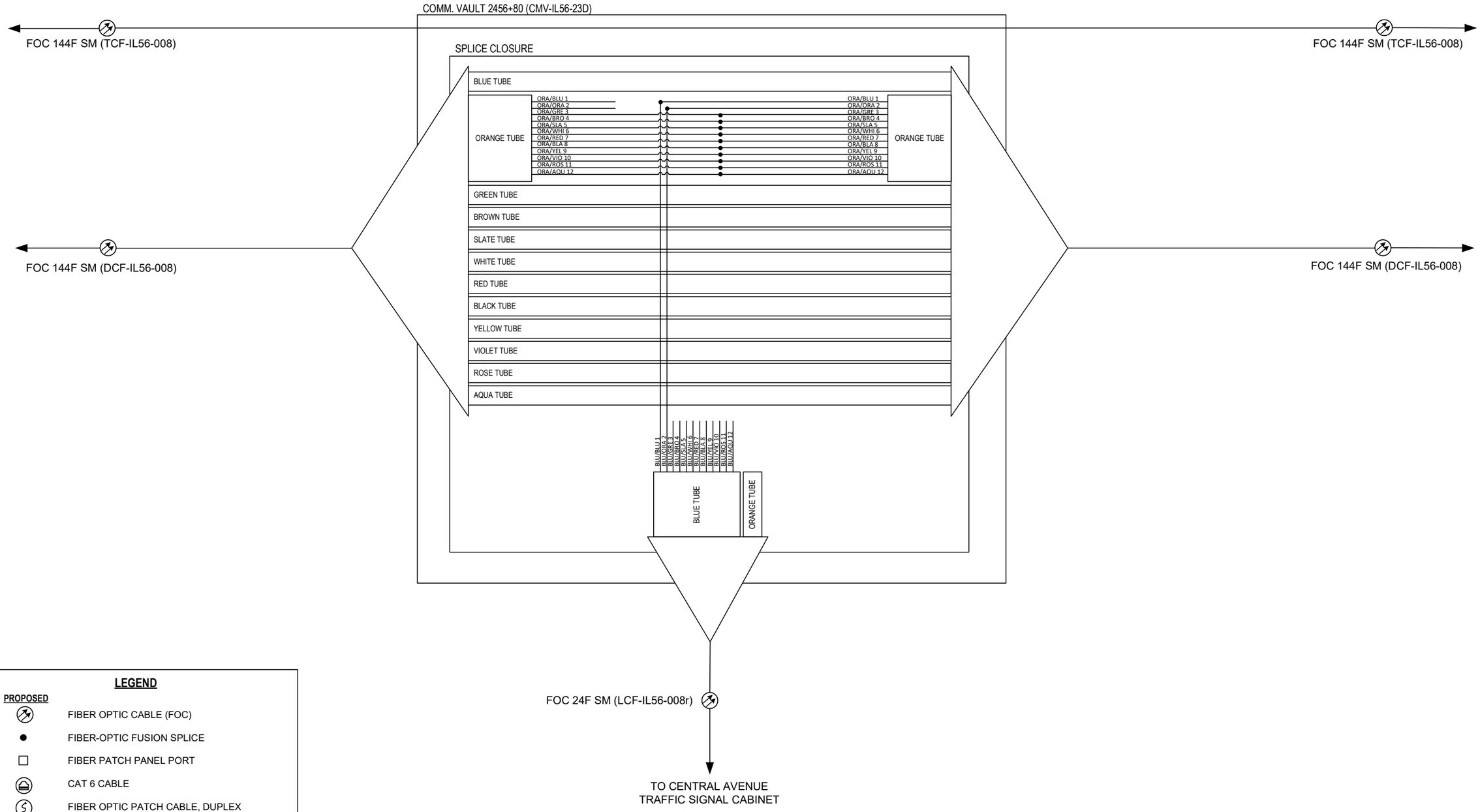
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND 57TH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	430
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-92

PARSONS

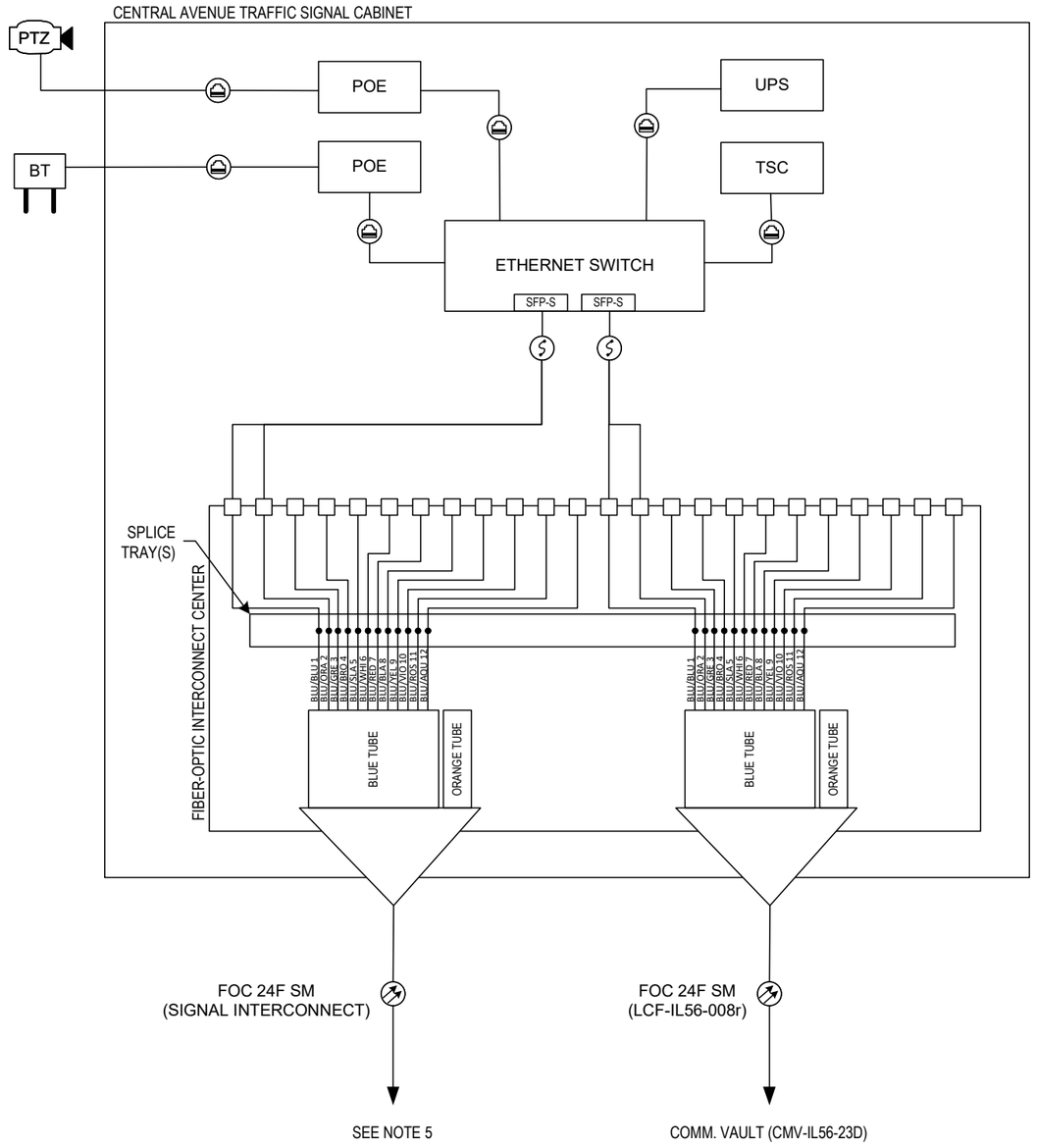
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND CENTRAL AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	431
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-93

PARSONS

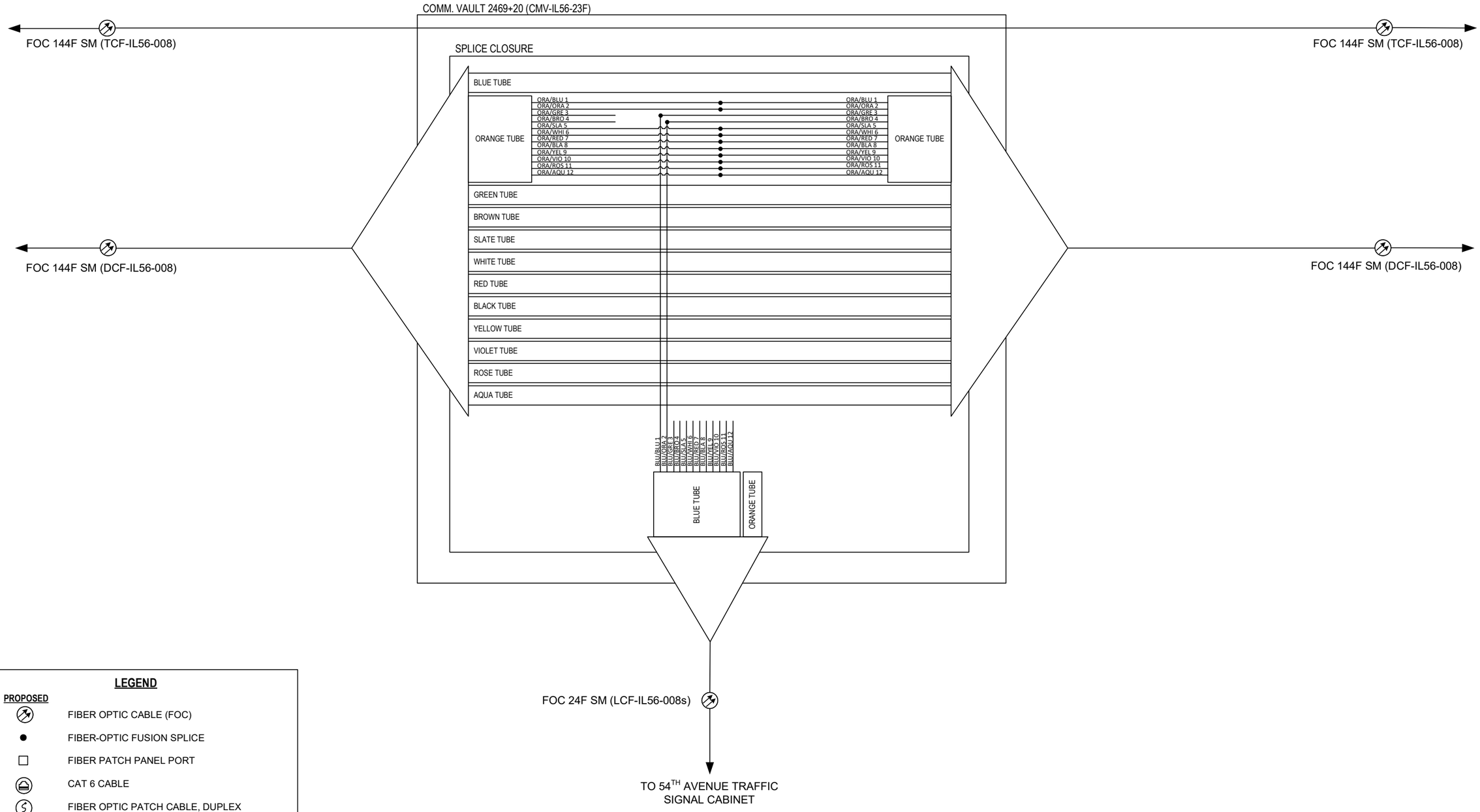
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND CENTRAL AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	432
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-94

PARSONS

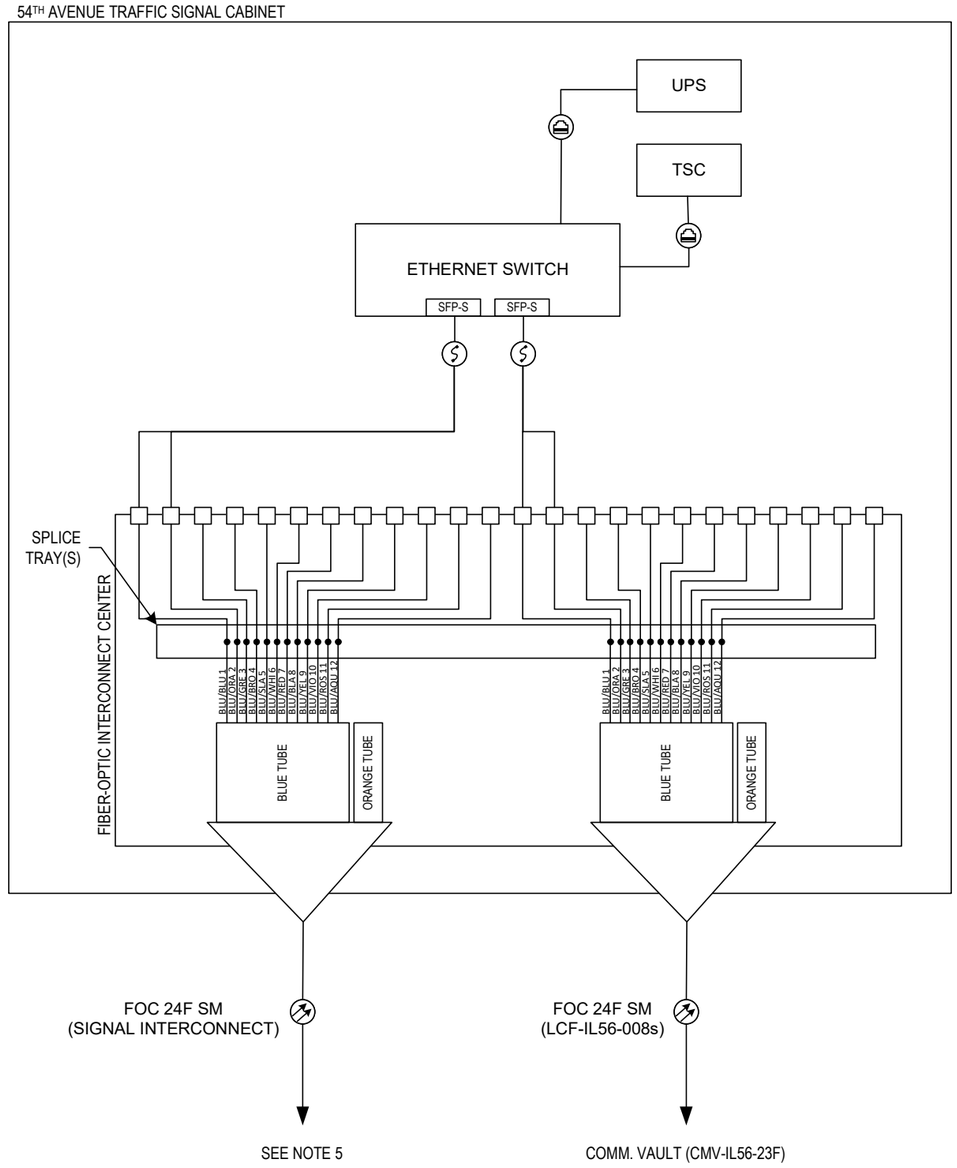
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND 54TH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	433
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-95

PARSONS

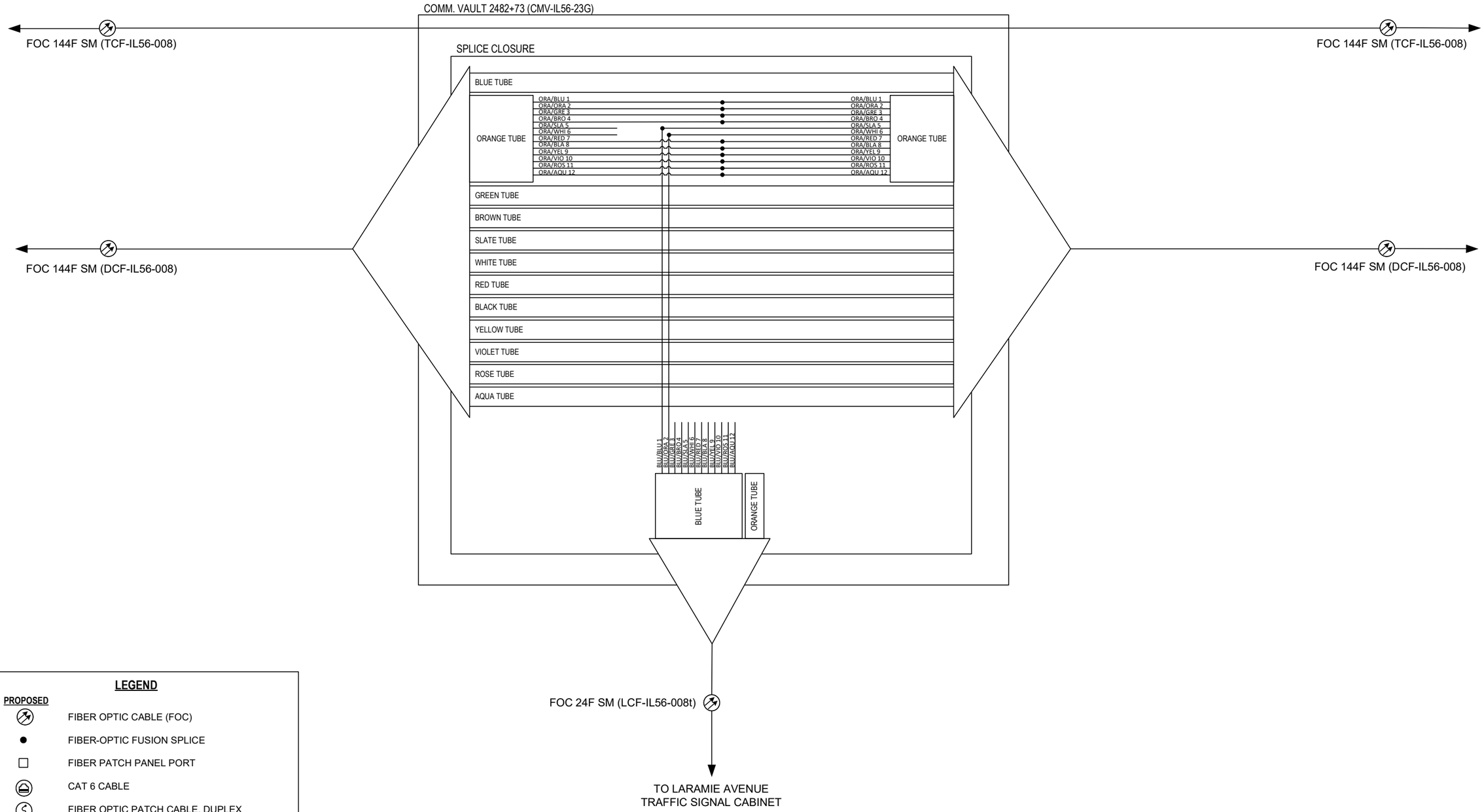
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND 54TH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	434
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-96

PARSONS

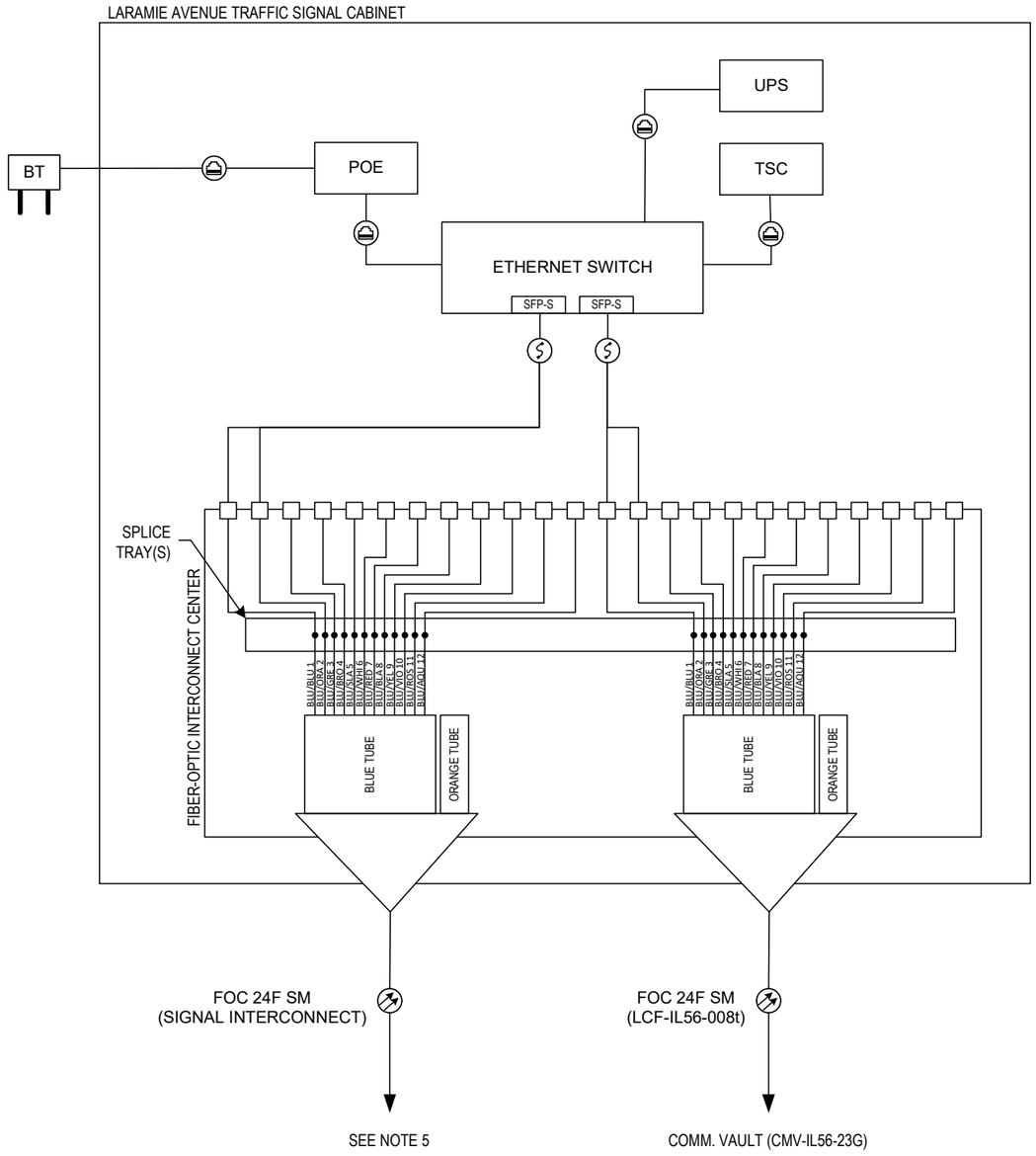
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND LARAMIE AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	435
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-97

PARSONS

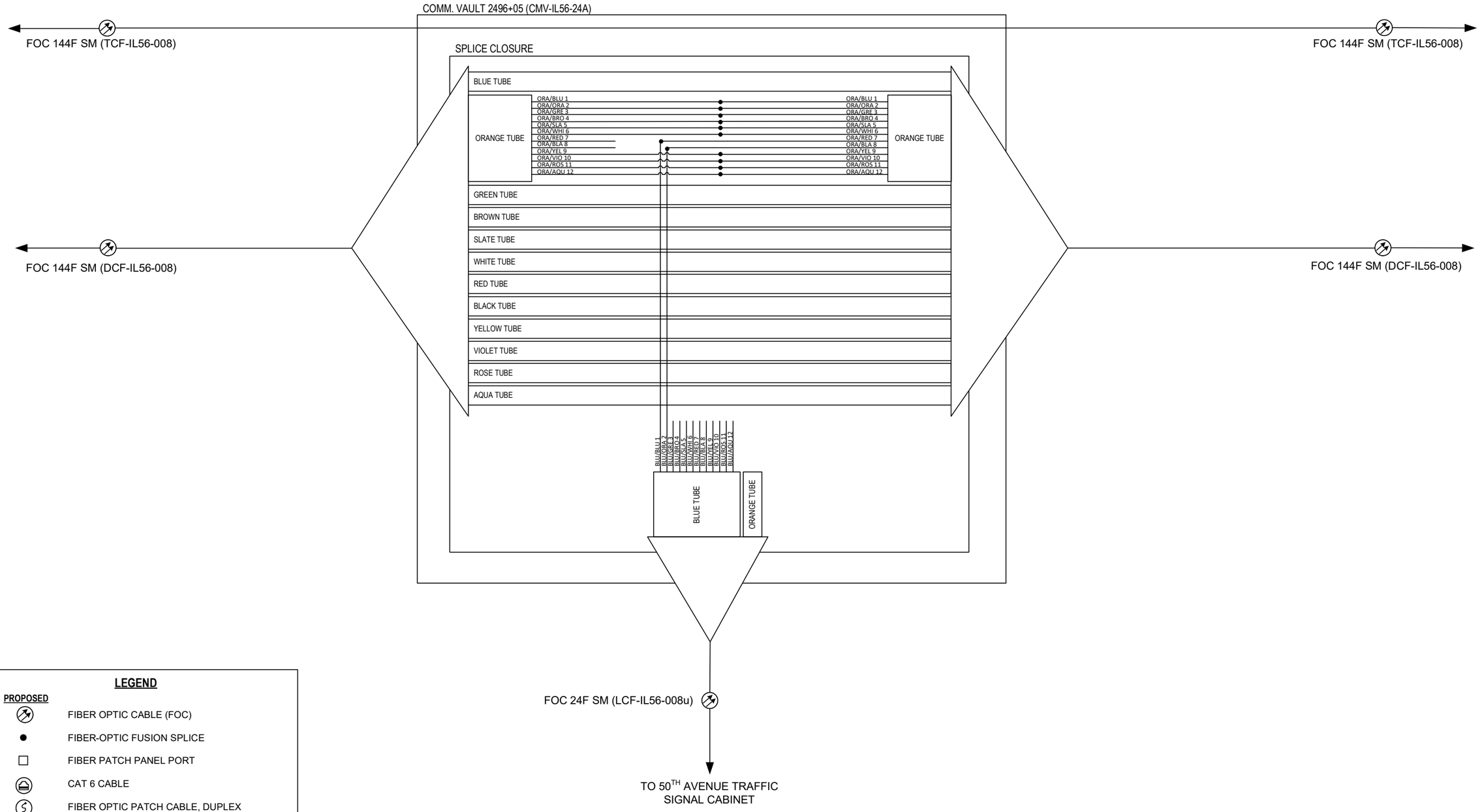
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND LARAMIE AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	436
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

	FIBER OPTIC CABLE (FOC)
	FIBER-OPTIC FUSION SPLICE
	FIBER PATCH PANEL PORT
	CAT 6 CABLE
	FIBER OPTIC PATCH CABLE, DUPLEX
SFP-S	FIBER OPTIC TRANSCEIVER – SINGLE MODE
DMS	DYNAMIC MESSAGE SIGN (DMS)
CNTRL	DMS CONTROLLER
PTZ	CCTV CAMERA, PAN-TILT-ZOOM
RPR	REMOTE POWER RELAY
UPS	UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-98

PARSONS

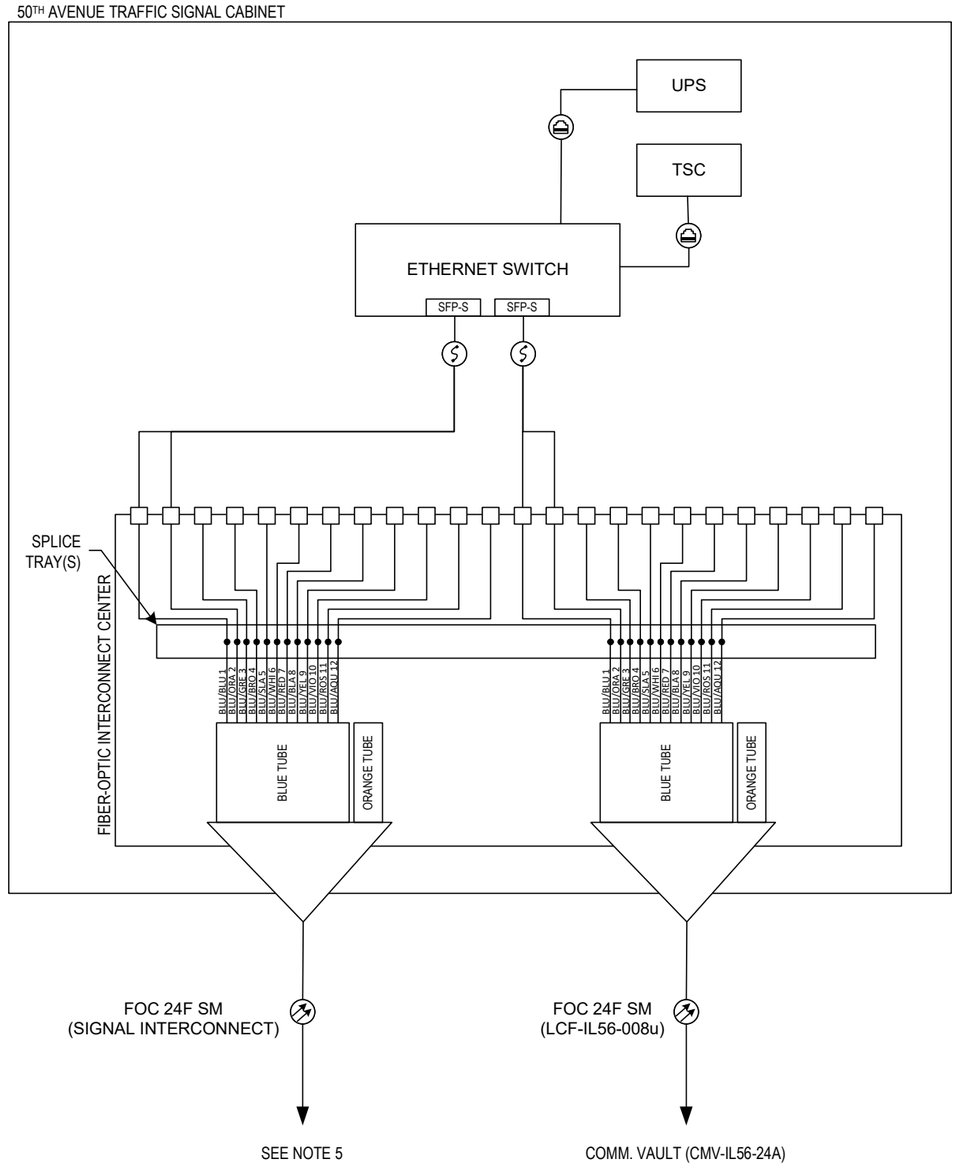
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND 50TH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	437
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-99

PARSONS

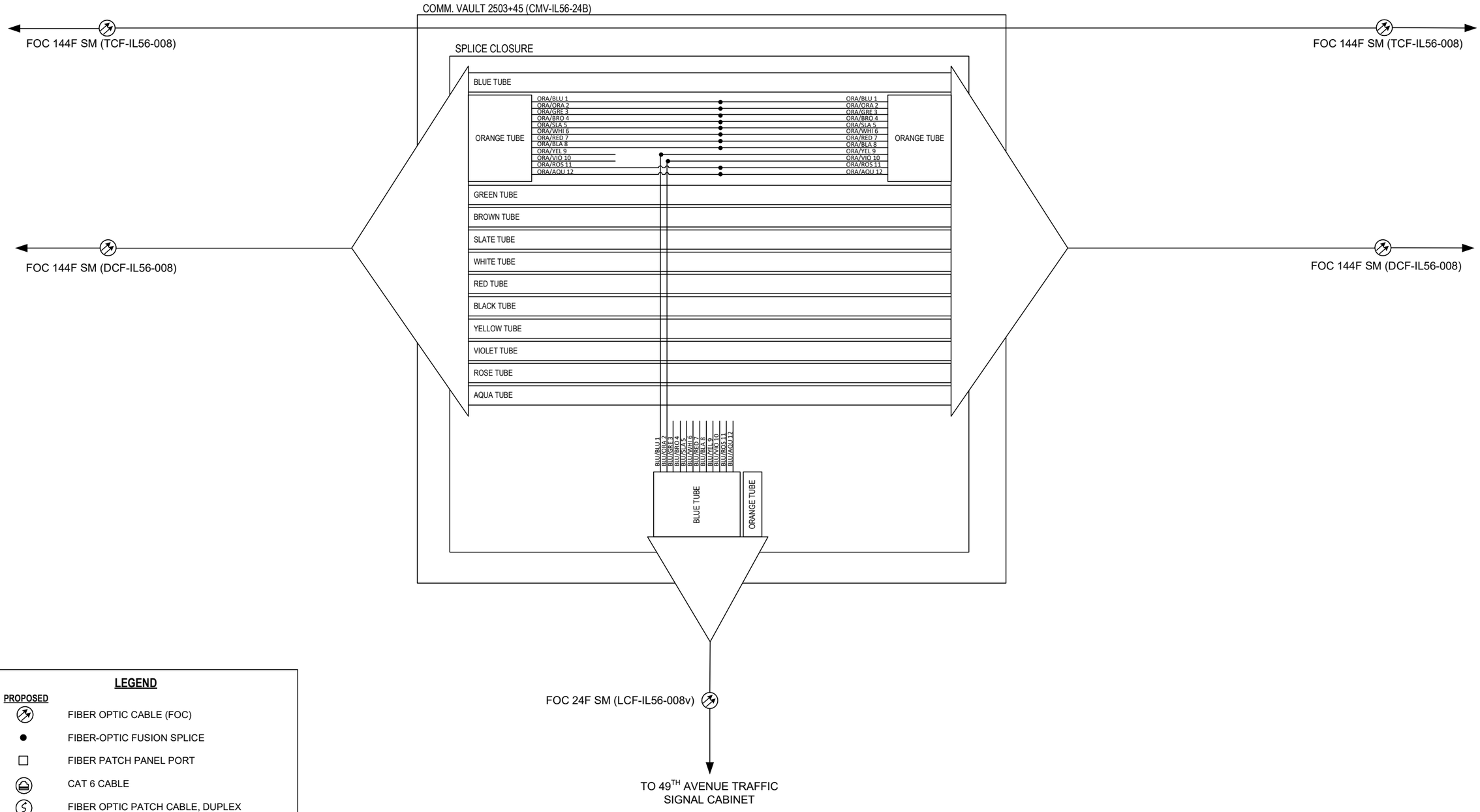
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND 50TH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	438
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-100

PARSONS

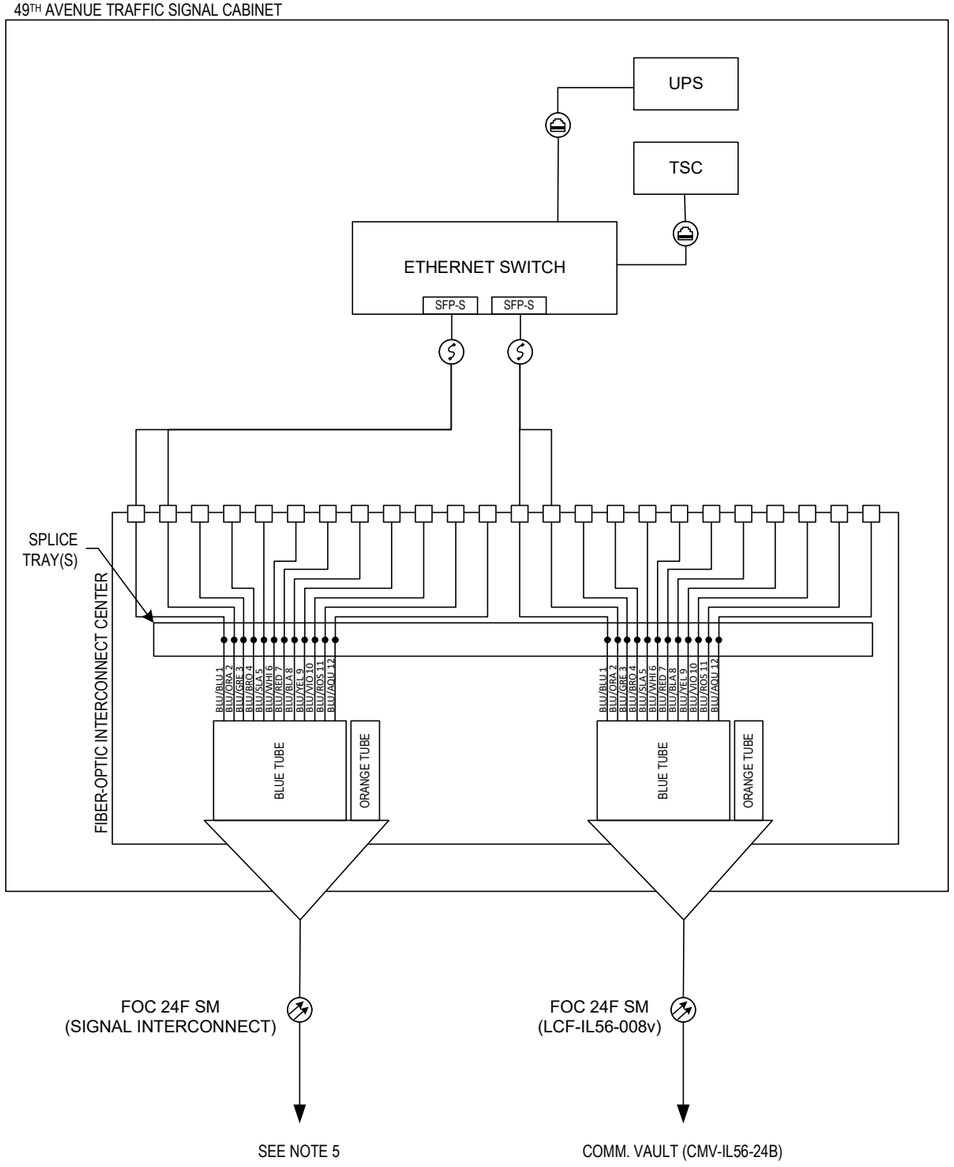
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND 49TH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	439
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-101

PARSONS

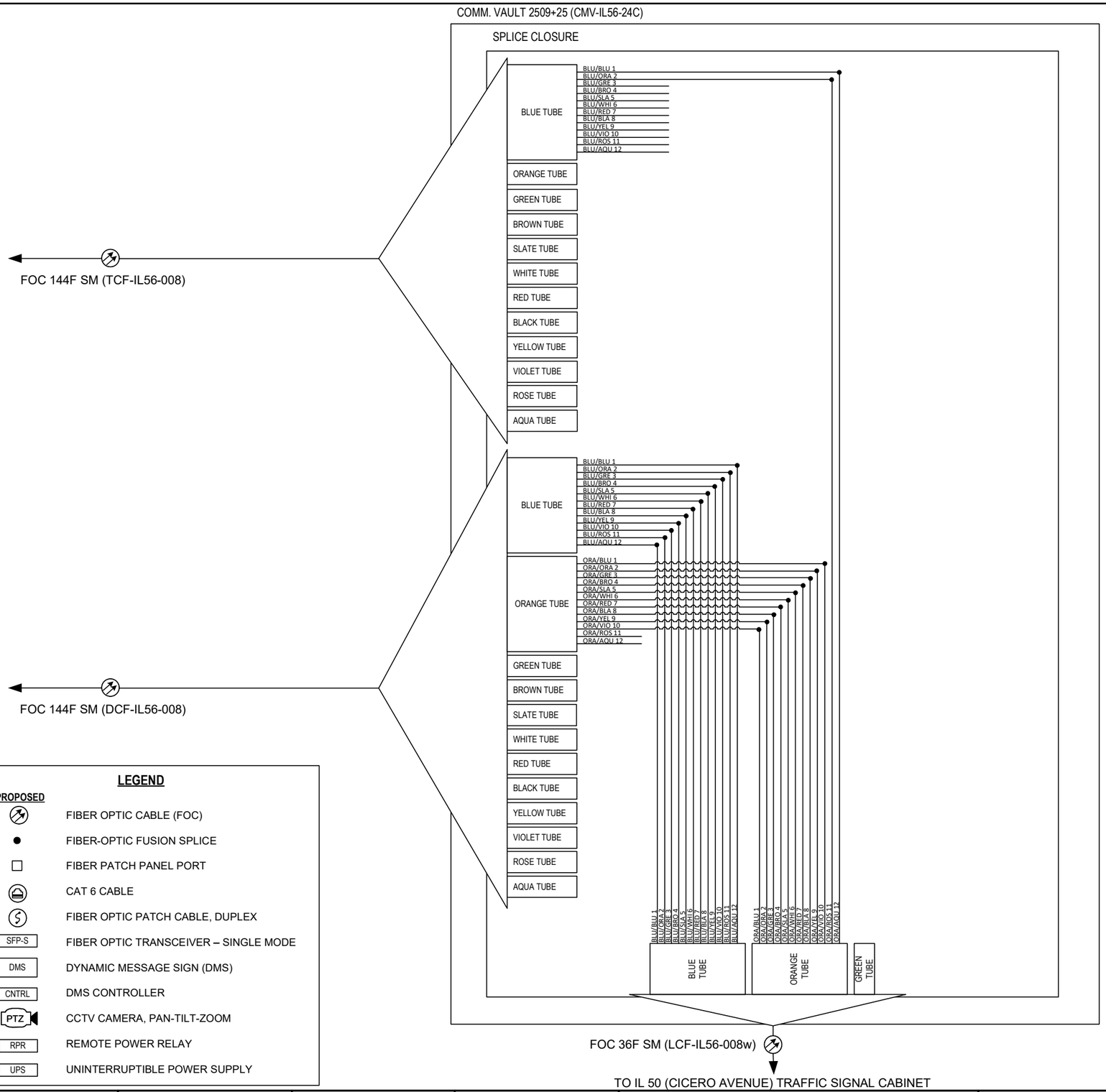
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND 49TH AVENUE

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	440
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- DMS — DYNAMIC MESSAGE SIGN (DMS)
- CNTRL — DMS CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- RPR — REMOTE POWER RELAY
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. TRUNK CABLE-FIBER (TCF) AND DISTRIBUTION CABLE-FIBER (DCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT.
2. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE CLOSURE.

ITS-102

PARSONS

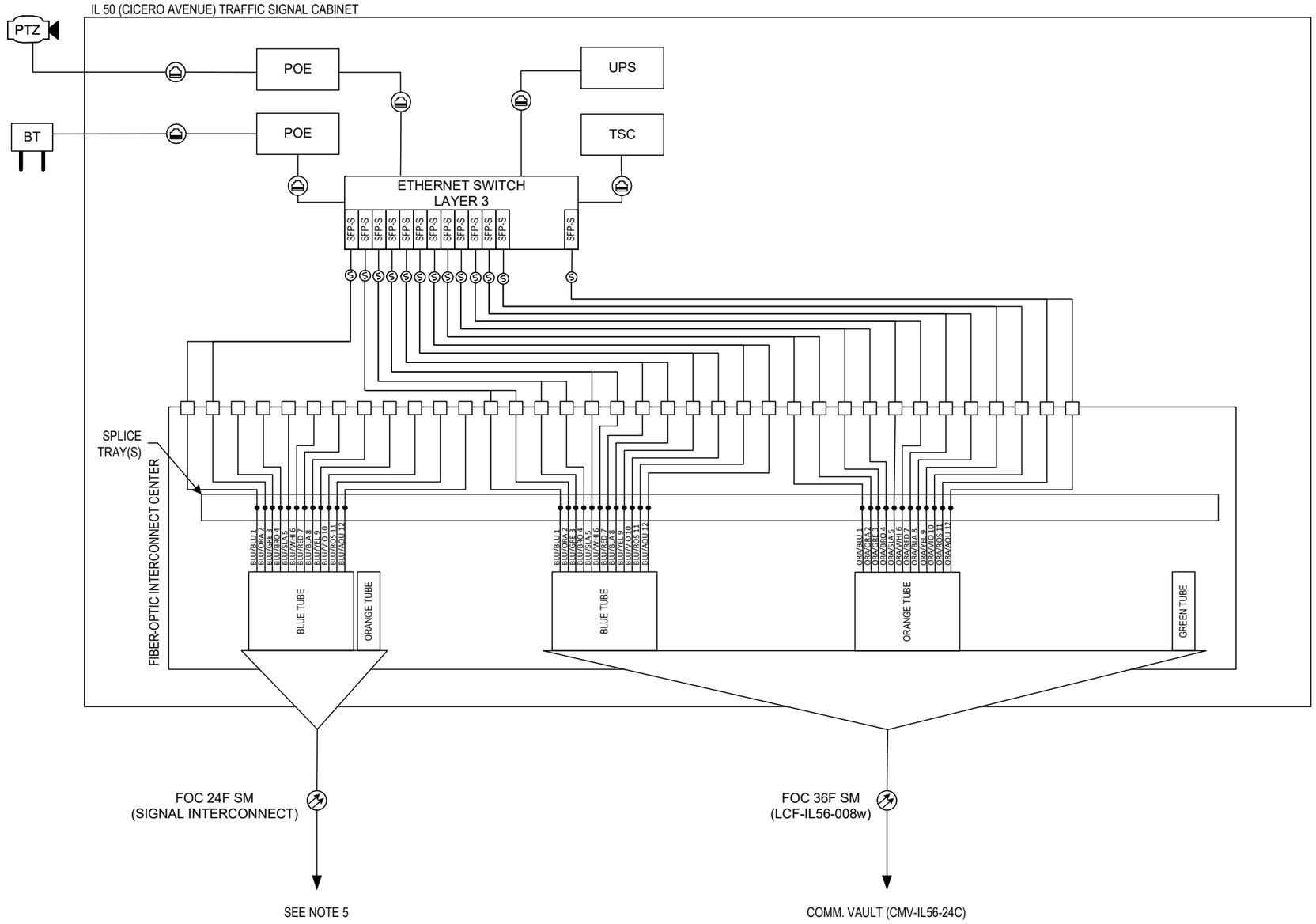
DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (1 OF 2)
CERMAK RD / 22ND ST. AND IL 50 (CICERO AVENUE)

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	441
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



LEGEND

PROPOSED

- FIBER OPTIC CABLE (FOC)
- FIBER-OPTIC FUSION SPLICE
- FIBER PATCH PANEL PORT
- CAT 6 CABLE
- FIBER OPTIC PATCH CABLE, DUPLEX
- SFP-S — FIBER OPTIC TRANSCEIVER – SINGLE MODE
- BT — BLUETOOTH DETECTOR
- TSC — TRAFFIC SIGNAL CONTROLLER
- PTZ — CCTV CAMERA, PAN-TILT-ZOOM
- POE — POWER OVER ETHERNET INJECTOR
- UPS — UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. DISTRIBUTION CABLE-FIBER (DCF) TUBES CONTAINING UNUSED FIBER STRANDS SHALL REMAIN UNCUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. TRUNK CABLE-FIBER (TCF) SHALL HAVE SLACK STORED WITHIN THE SPLICE COMMUNICATIONS VAULT AND SHALL PASS THROUGH UNCUT.
3. UNSPLICED FIBER STRANDS SHALL BE COILED WITHIN SPLICE TRAY.
4. FIBER-OPTIC CABLE DEPICTED IS GUIDANCE ONLY. ACTUAL FIBER-OPTIC CABLE FROM DMS CONTROLLER TO DMS DISPLAY SHALL BE IN ACCORDANCE WITH THE DMS MANUFACTURER'S REQUIREMENTS.
5. REFER TO TRAFFIC SIGNAL PLANS AND INTERCONNECT SHEETS FOR ADDITIONAL INFORMATION.

ITS-103

PARSONS

DESIGNED - YJ	REVISED -	
DRAWN - MT	REVISED -	
CHECKED - RCB/KA	REVISED -	
DATE - 11-22-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FIBER SPLICING DIAGRAM (2 OF 2)
CERMAK RD / 22ND ST. AND IL 50 (CICERO AVENUE)

N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	DUPAGE/COOK	492	442
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES:

1. THIS PROJECT INCLUDES THE INSTALLATION OF FIBER BACKBONE ALONG 22ND ST. / CERMAK RD. FROM YORK RD. TO CICERO AVE. THE PROJECT ALSO INCLUDES INSTALLATION OF NEW FIBER OPTIC CABLE AND DUCT WHERE NONE EXISTS. THE PLANS WILL CONNECT THE FIBER TO CURRENT TRAFFIC SIGNAL SYSTEMS, REMOTE CCTV AND DMS LOCATIONS. THIS EXISTING ITS SYSTEM IS OWNED AND MAINTAINED BY THE STATE OF ILLINOIS. MAINTENANCE OF THE ITS SYSTEM SHALL BE TRANSFERRED TO THE CONTRACTOR PRIOR TO BEGINNING ANY WORK ON THE CONTRACT.

2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT 811, OR (800)892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED. IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. AS OF THE LETTING DATE, CONTACT THE MEADE ELECTRIC COMPANY AT 773-287-7672.

3. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING AND PROPOSED ITS EQUIPMENT, THE COST OF SUCH MAINTENANCE IS INCLUDED IN MAINTAIN ITS DURING CONSTRUCTION (X0327616) UNTIL THE END OF THE CONTRACT AND THE MAINTENANCE OF THE PROPOSED EQUIPMENT HAS BEEN TRANSFERRED BACK TO THE STATE OF ILLINOIS.

4. ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), LIFE SAFETY CODE (NFPA 101), OSHA AND ILLINOIS TOLLWAY AND ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATION REQUIREMENTS. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.

5. THE DUCTS AND INNER DUCTS SHOULD BE KEPT FREE OF DEBRIS AND MAINTAINED WATERTIGHT AT ALL TIMES.

6. THE QUANTITIES OF RACEWAY WHEREVER INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

7. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE ALL ELECTRICAL WORK.

8. PROPOSED CONDUIT ROUTES SHOWN IN THE PLANS ARE SCHEMATIC ONLY. CONTRACTOR TO VERIFY EXACT ROUTE WITH THE ENGINEER.

9. FIBER OPTIC CONDUIT SHALL BE INSTALLED A MINIMUM OF 42" BELOW GRADE.

10. FIBER OPTIC DISTRIBUTION AND TRUNK CABLES SHALL BE INSTALLED BETWEEN COMMUNICATIONS VAULTS, NODE CABINETS, AND BUILDINGS AS SHOWN ON THE PLANS. FIBER OPTIC DISTRIBUTION AND TRUNK CABLES SHALL ONLY BE INSTALLED THROUGH HEAVY-DUTY COMMUNICATIONS HANDHOLES WHERE PULL POINTS ARE REQUIRED IN SHOULDERS, FIBER OPTIC CABLE SLACK SHALL BE AS FOLLOWS:
    50 FEET FOR EACH CABLE (144 AND 12 FIBER) IN HEAVY-DUTY HANDHOLES.
    100 FEET FOR EACH CABLE (144 AND 12 FIBER) IN COMMUNICATIONS VAULTS.

11. THE CONTRACTOR SHALL FOLLOW JULIE PROCEDURES AND PERFORM FIELD ADJUSTMENTS TO PROTECT AND PROVIDE 12" MINIMUM CLEARANCE FROM LUMEN FACILITIES.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	6731
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC COATED GALVANIZED STEEL	FOOT	1646
DRILL EXISTING HANDHOLE	EACH	34
UNDERGROUND CONDUIT, MULTI-DUCT, 7-18MM MICRODUCTS	FOOT	51436
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	3836
FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	66
FIBER OPTIC CABLE, MICRO, 144 FIBERS, SINGLE MODE	FOOT	102872
FIBER OPTIC CABLE SPLICE - LATERAL	EACH	34
FIBER OPTIC CABLE SPLICE - MAINLINE	EACH	1
FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	1918
COMMUNICATIONS VAULT	EACH	59

LEGEND

- EXISTING HANDHOLE
- EXISTING HEAVY-DUTY HANDHOLE
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- EXISTING DOUBLE HANDHOLE
- PVC COATED GALVANIZED STEEL CONDUIT AS SPECIFIED ON PLAN
- PROPOSED FIBER OPTIC CABLE IN PROPOSED DUCT AS SPECIFIED ON PLAN
- FO — PROPOSED FIBER OPTIC CABLE IN UNDERGROUND CONDUIT, MULTI DUCT, 7-18MM MICRODUCTS
- UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. WITH FIBER OPTIC CABLE IN DUCT (UCGS)
- CV — COMMUNICATIONS VAULT (CMV)

FOCN-1

MODEL: sMODELNAME$
FILE NAME: D162N39-sht-ITS-General Notes.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

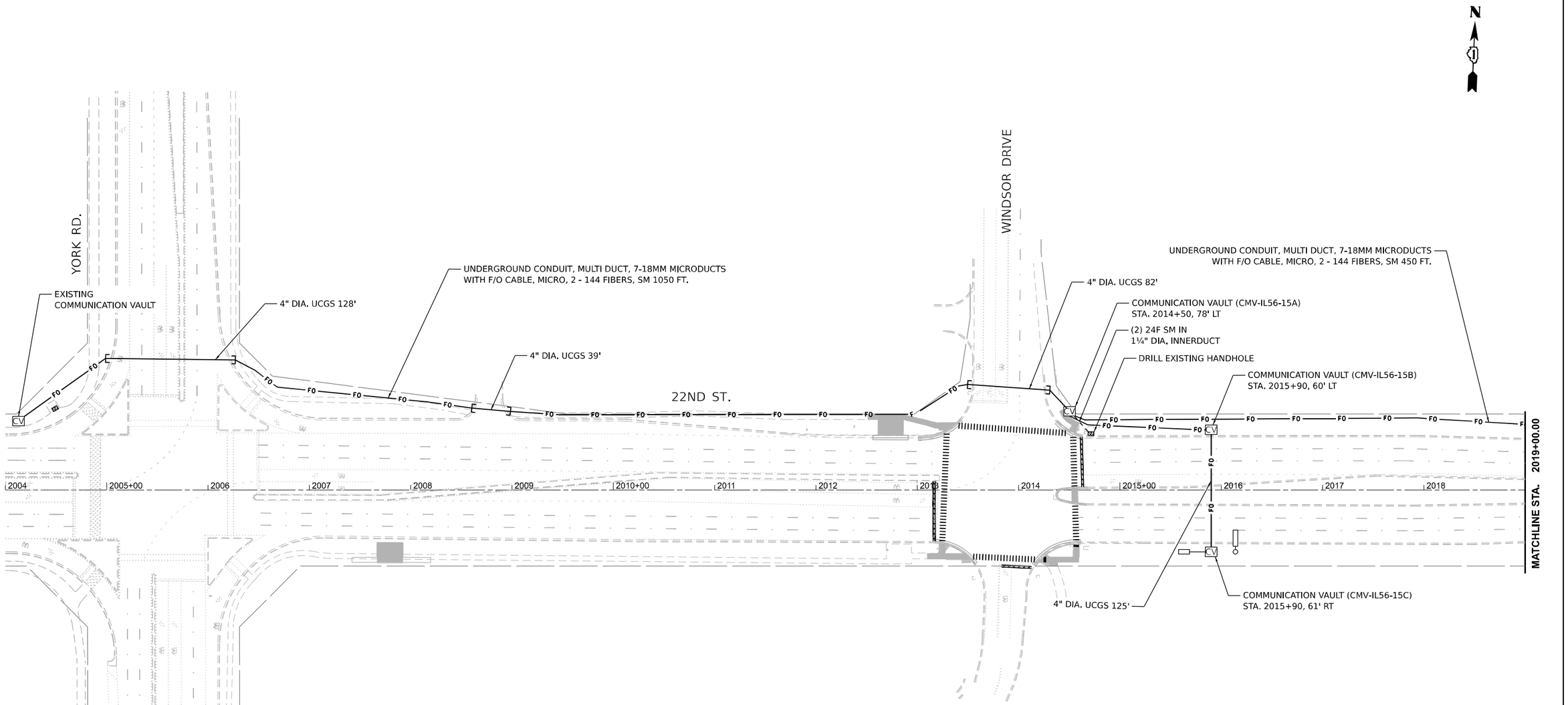
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT PROPOSED FIBER ROUTE GENERAL NOTES, BILL OF MATERIALS AND LEGEND

SCALE: N/A | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	443
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–01

MODEL: $MODELNAME$
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

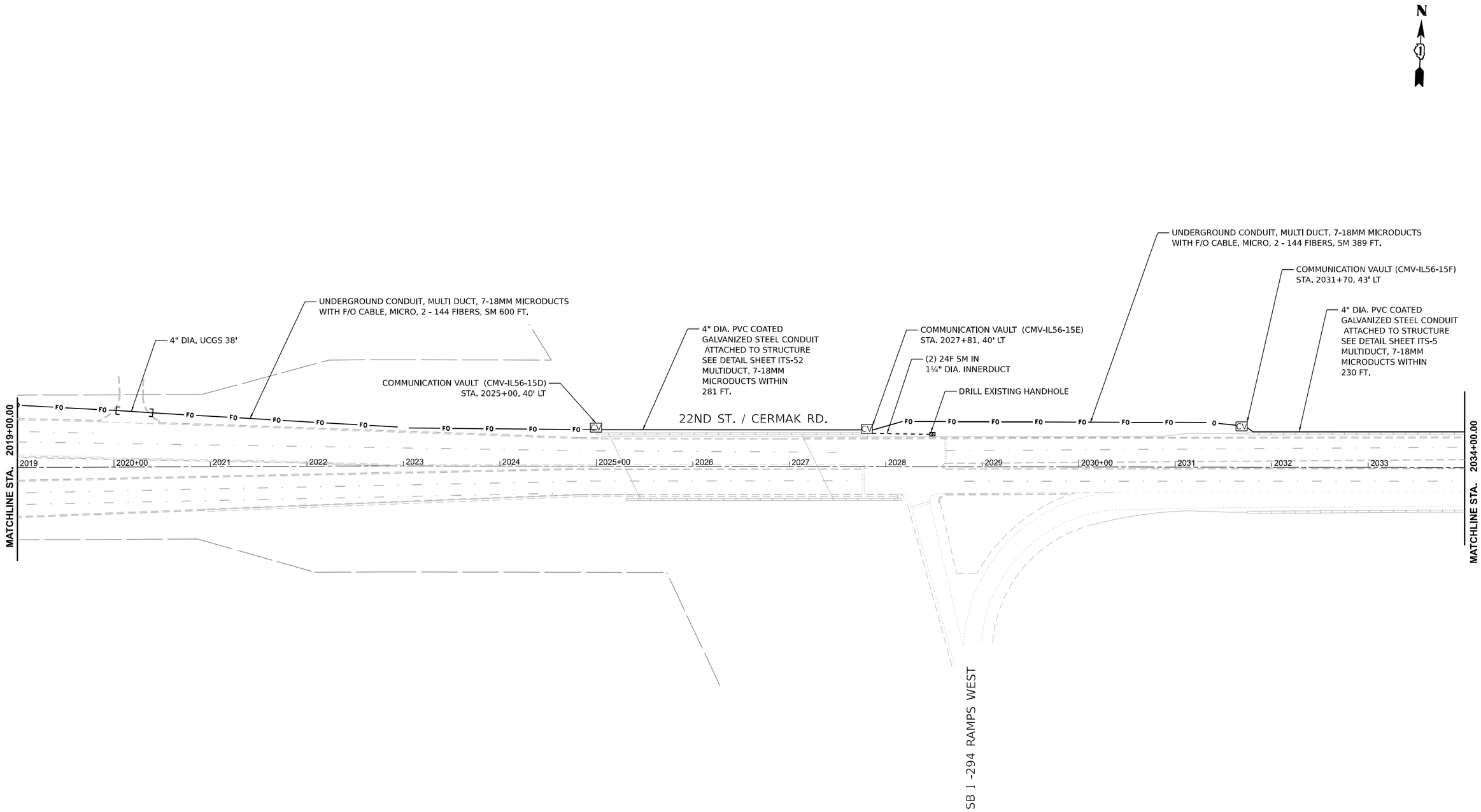
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	444
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

FOC–02

MODEL: $MODELNAME$
FILE NAME: D102N39-sht-ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

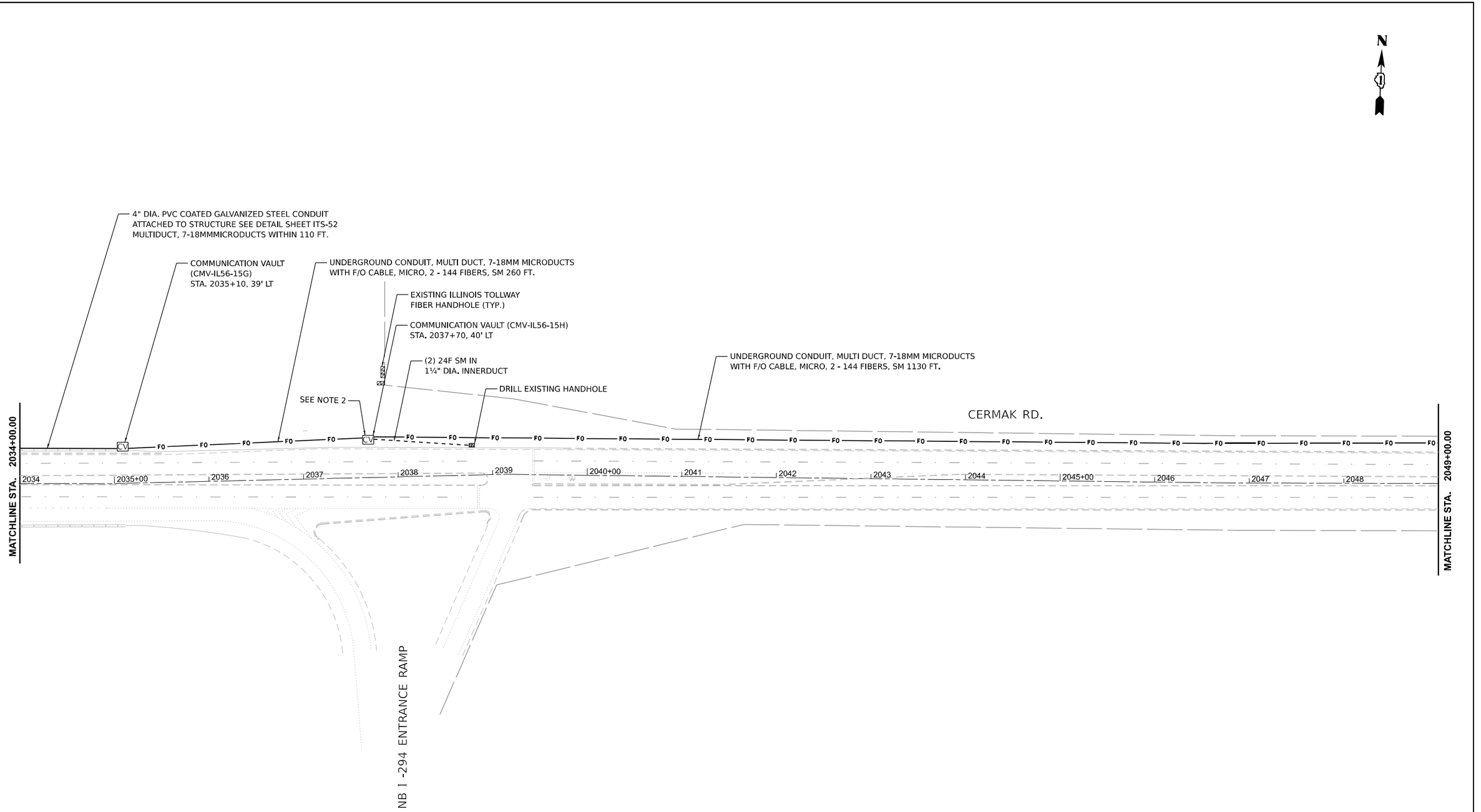
USER NAME = msomer		DESIGNED - BL	REVISED -	
		DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$		CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025		DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	445
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–03

MODEL: $MODELNAME$
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

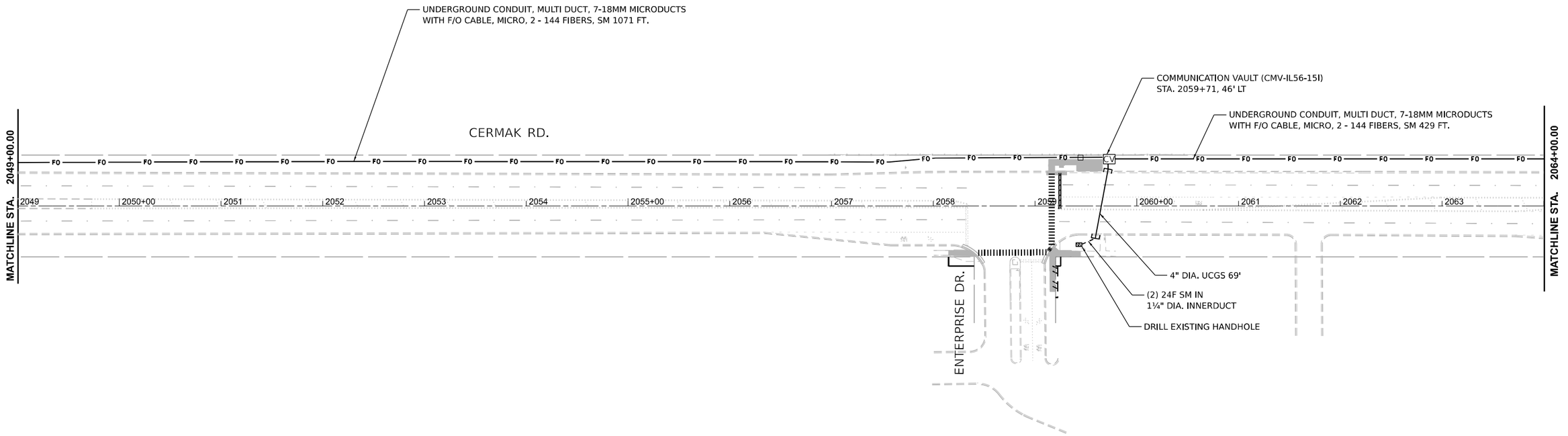
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	446
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–04

MODEL: $MODELNAME$
FILE NAME: D162N39-plt ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

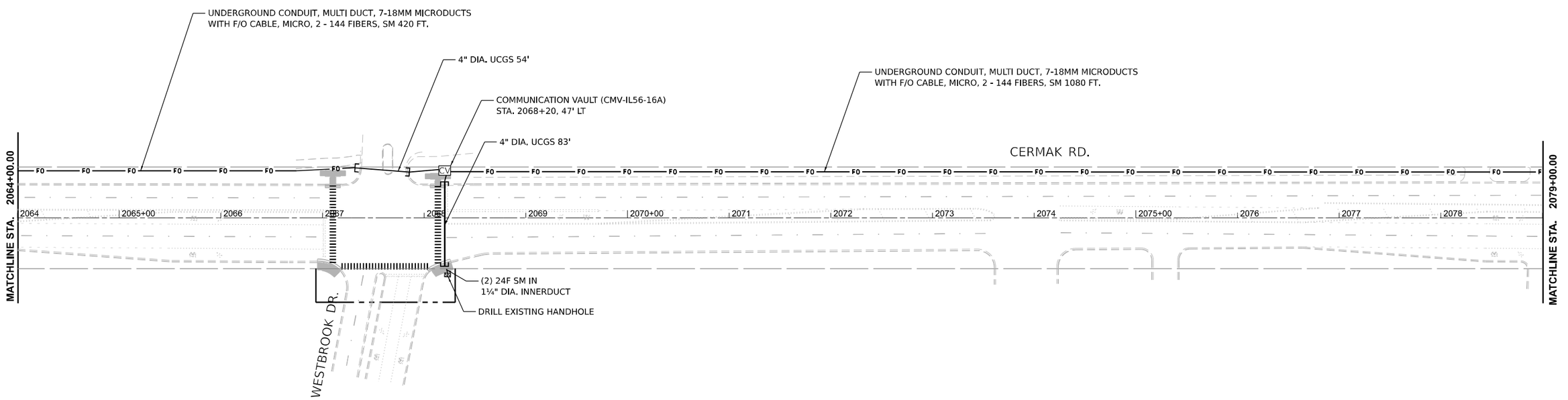
USER NAME = msomer	DESIGNED - BL	REVISED -		
	DRAWN - MD	REVISED -		
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -		
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	447
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–05

MODEL: $MODELNAME$
FILE NAME: D162N39-sht-ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

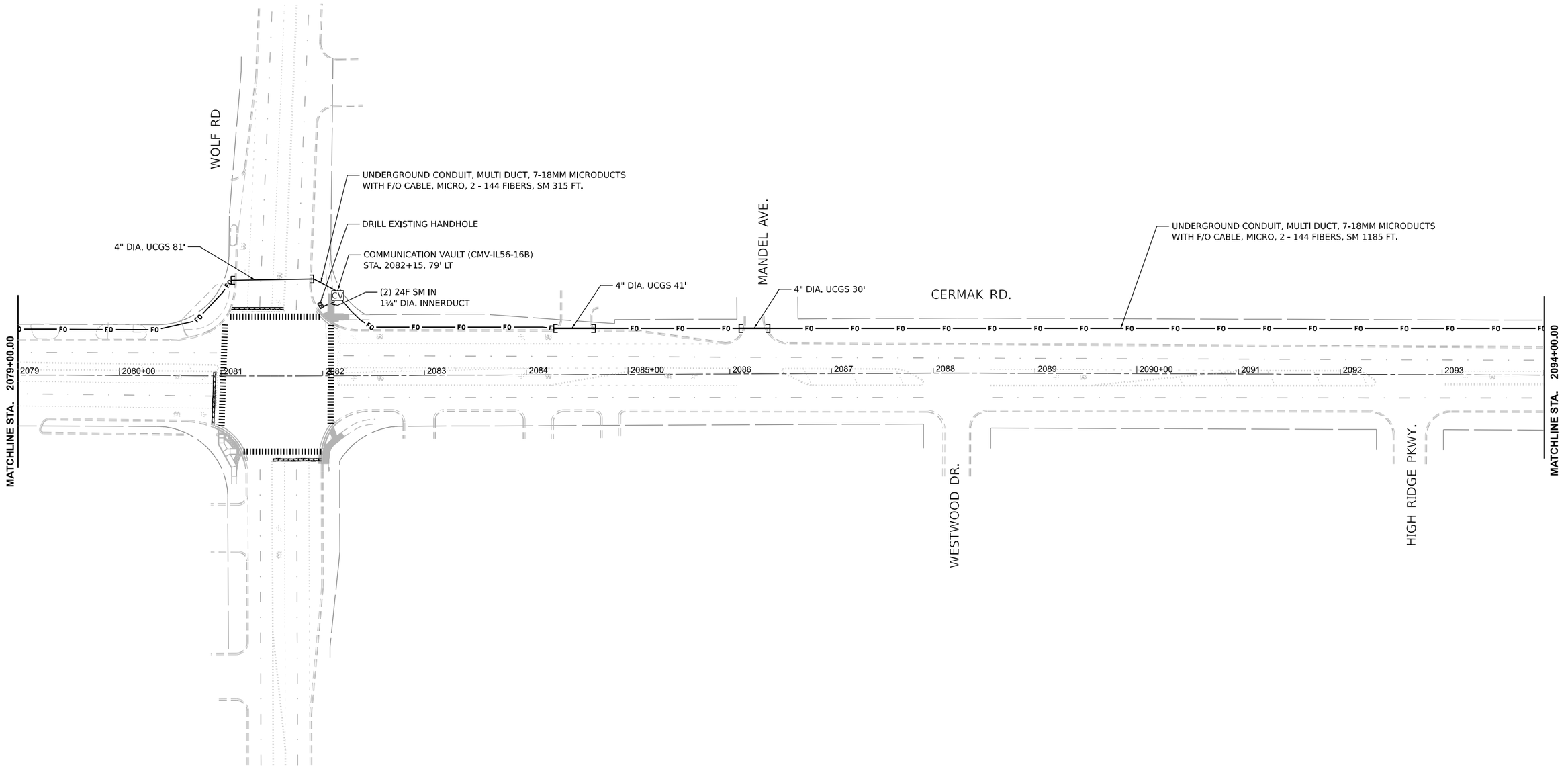
USER NAME = msomer		DESIGNED - BL	REVISED -		
		DRAWN - MD	REVISED -		
PLOT SCALE = $SCALE$		CHECKED - MH	REVISED -		
PLOT DATE = 03/19/2025		DATE - 11/08/2024	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	448
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

FOC–06

MODEL: $MODELNAME$
FILE NAME: D102N39-sht-ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

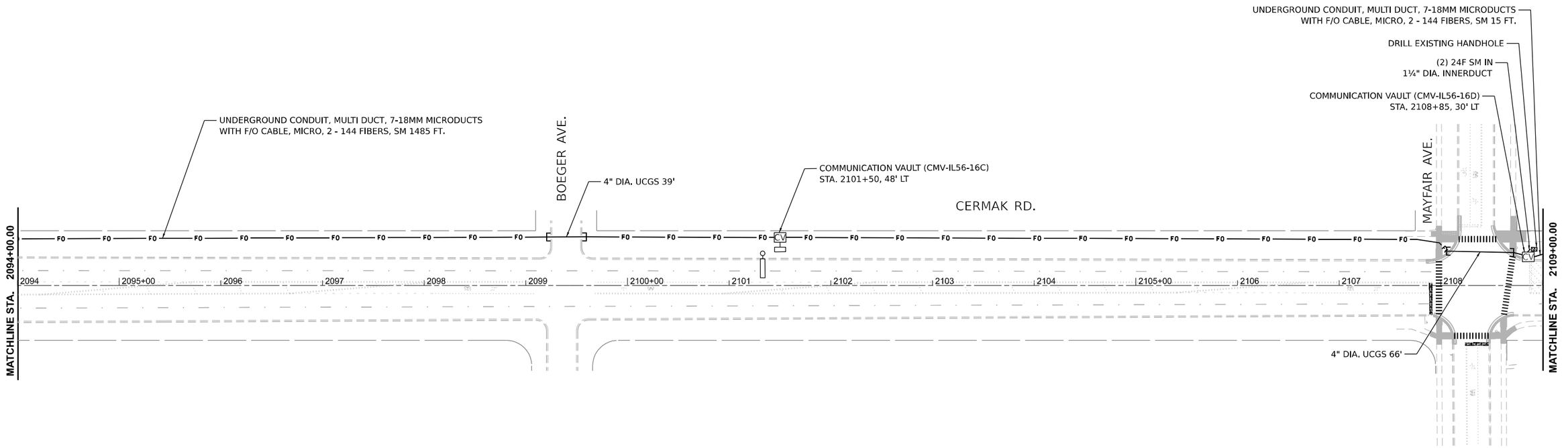
USER NAME = msomer	DESIGNED - BL	REVISED -			
	DRAWN - MD	REVISED -			
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -			
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	449
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

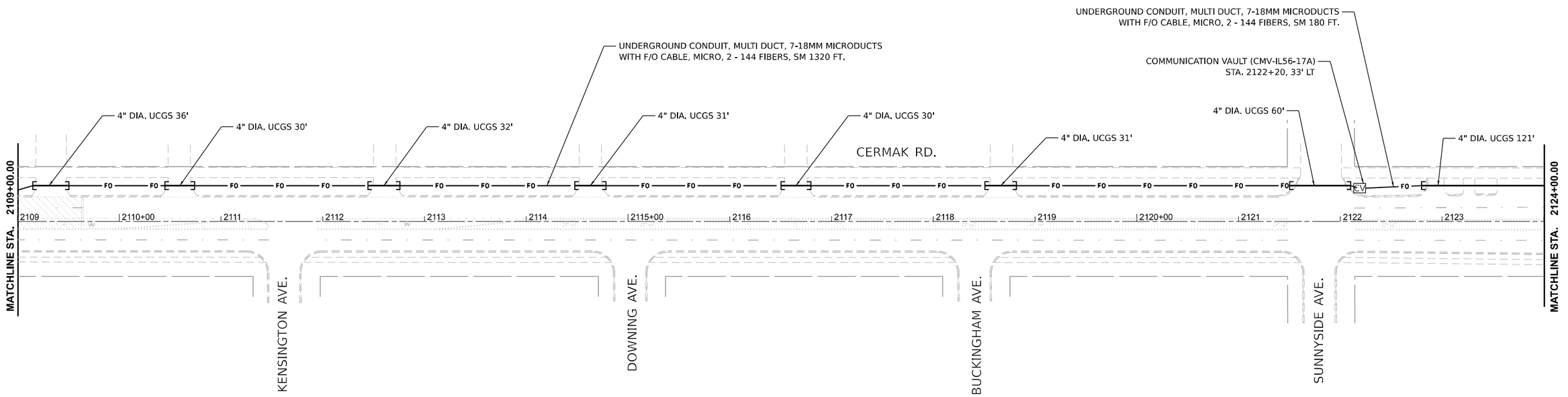
FOC–07

MODEL: $MODELNAMES
FILE NAME: D102N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = msomer	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED FIBER ROUTE PLANS 22ND STREET/CERMAK ROAD
	DRAWN - MD	REVISED -		
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -		
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -		SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	450
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE;

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–08

MODEL: $MODELNAME$
FILE NAME: D162N39-sht-ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

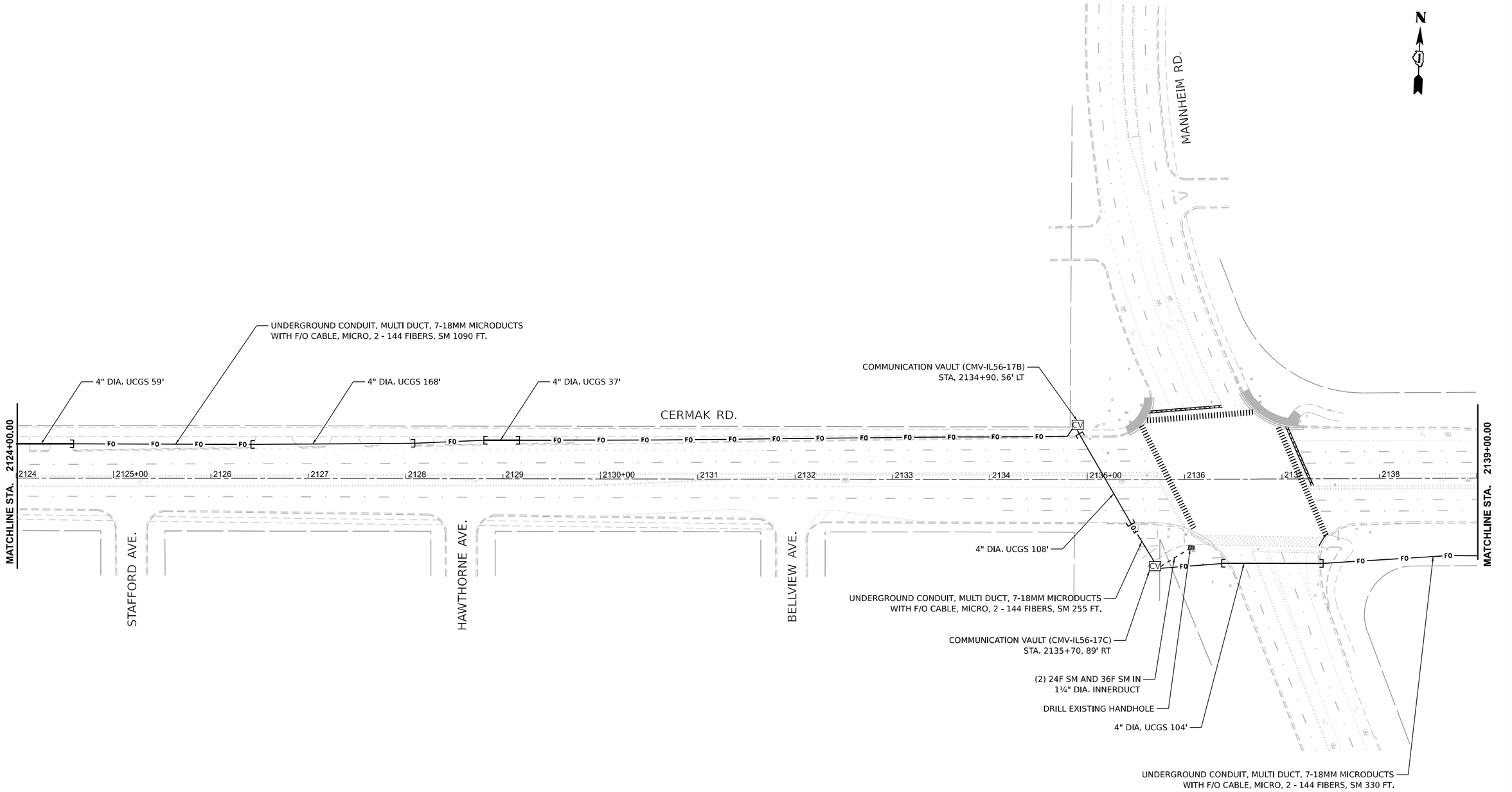
USER NAME = msomer		DESIGNED -	BL	REVISED -	
		DRAWN -	MD	REVISED -	
PLOT SCALE = $SCALE$		CHECKED -	MH	REVISED -	
PLOT DATE = 03/19/2025		DATE -	11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	451
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

FOC–09

MODEL: $MODELNAMES
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

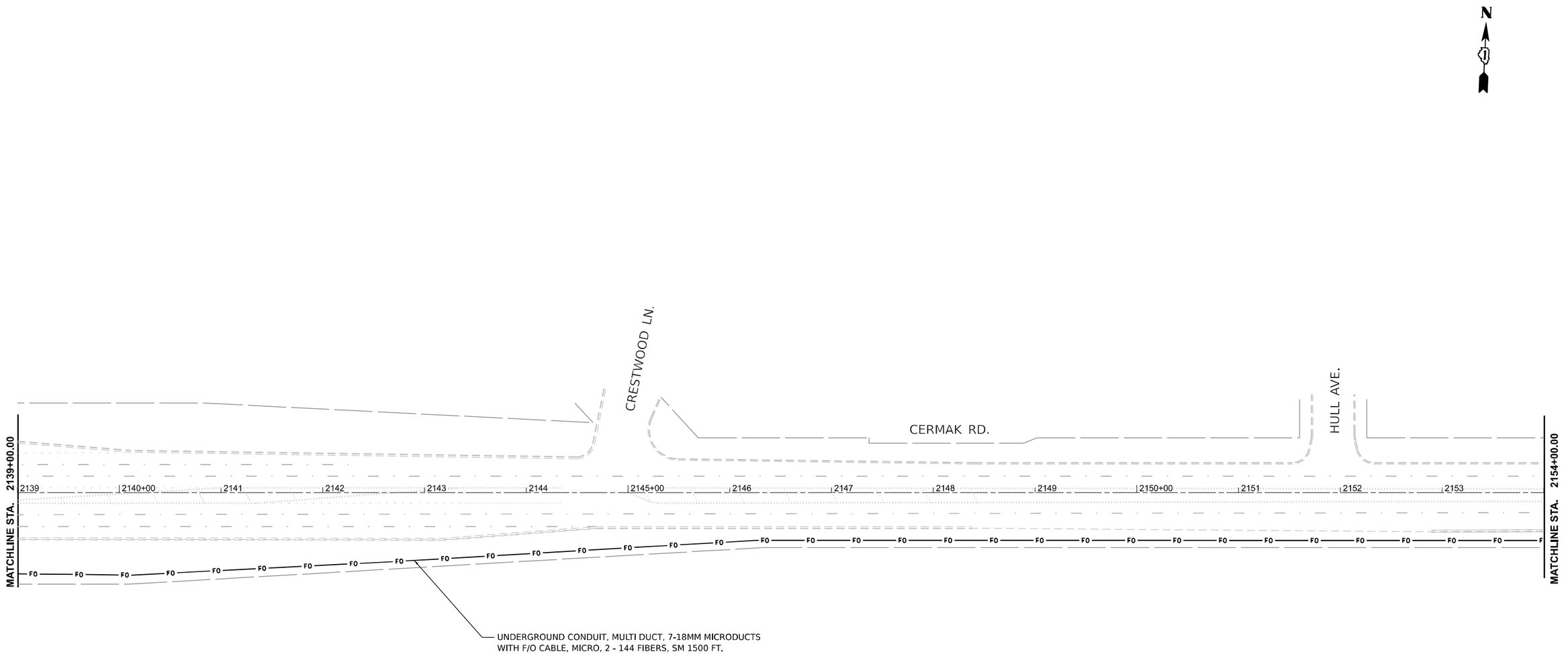
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	452
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–10

MODEL: $MODELNAME$
FILE NAME: D162N39-sht-ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

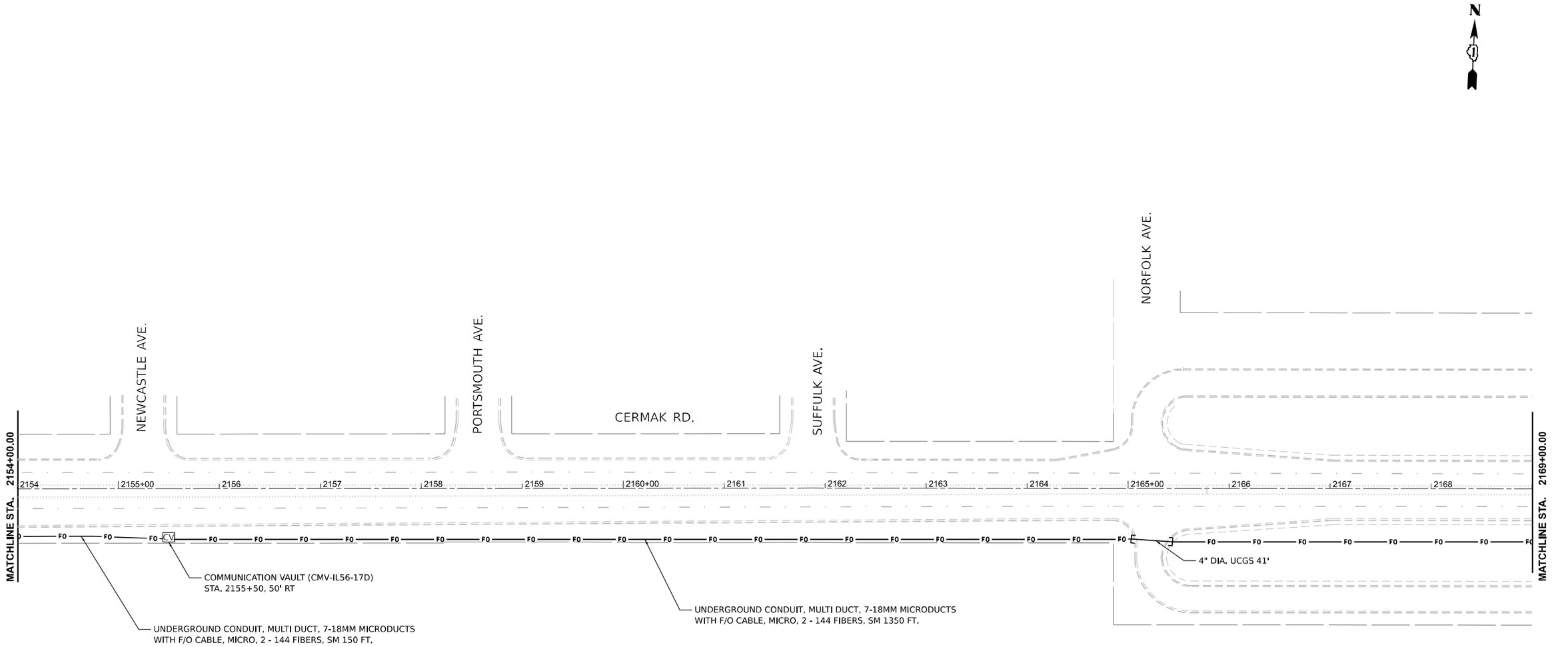
USER NAME = msomer		DESIGNED -	BL	REVISED -	
		DRAWN -	MD	REVISED -	
PLOT SCALE = $SCALE$		CHECKED -	MH	REVISED -	
PLOT DATE = 03/19/2025		DATE -	11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	453
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–11

MODEL: $MODELNAME$
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

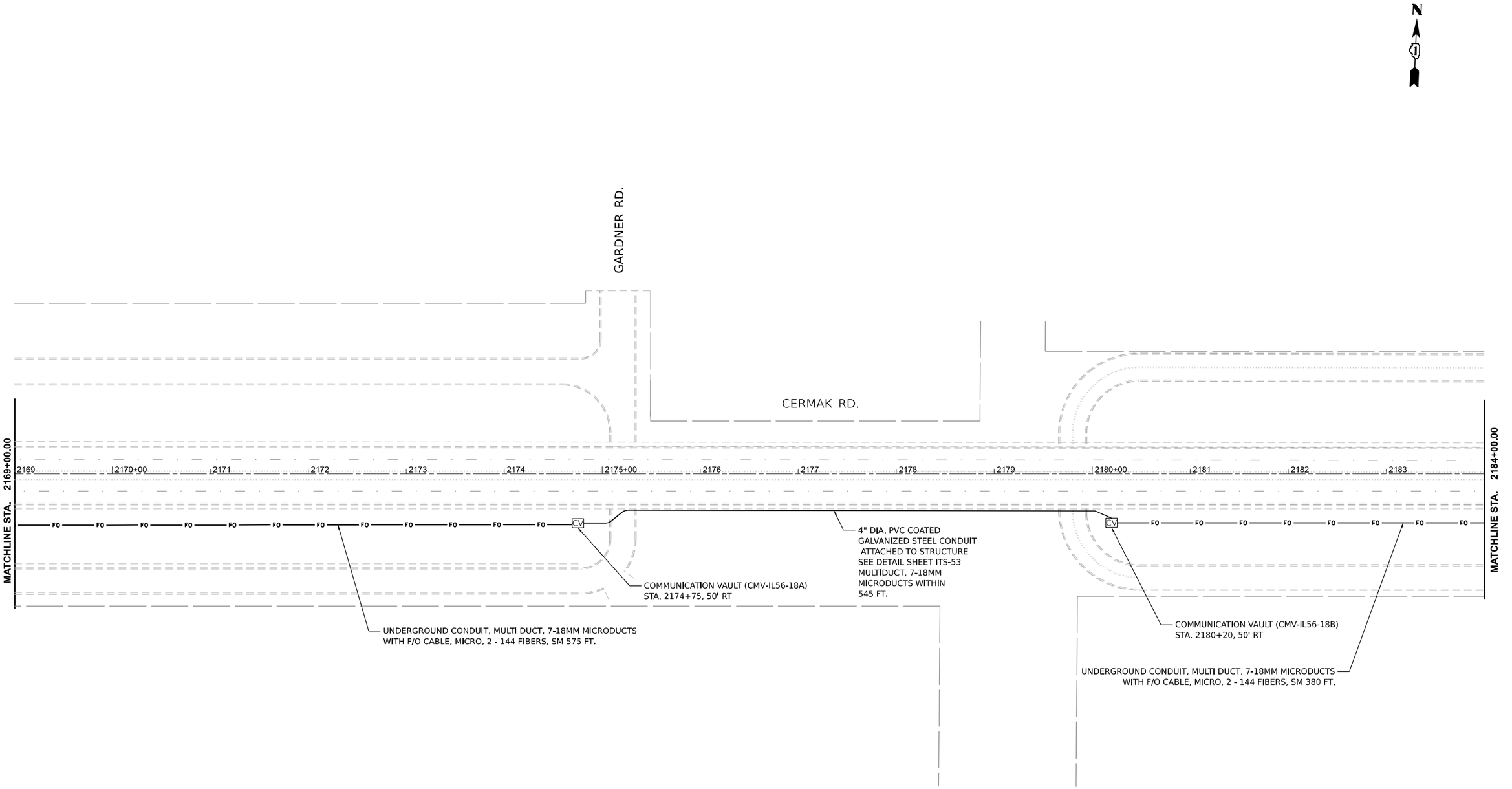
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	454
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150

SCALE IN FEET

FOC–12

MODEL: $MODELNAMES
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

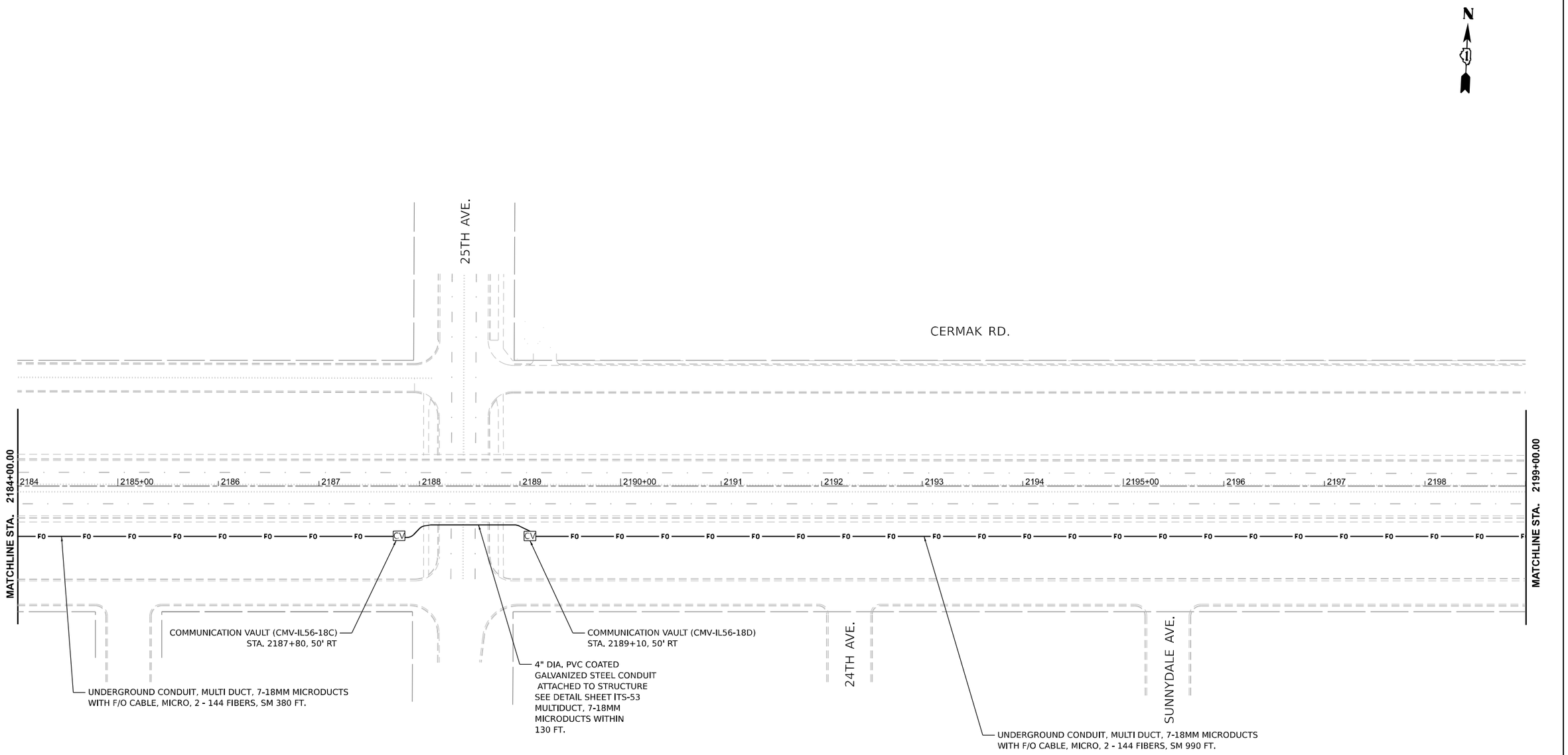
USER NAME	= msomer	DESIGNED	- BL	REVISED	-
		DRAWN	- MD	REVISED	-
PLOT SCALE	= $SCALE$	CHECKED	- MH	REVISED	-
PLOT DATE	= 03/19/2025	DATE	- 11/08/2024	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	455
		CONTRACT NO. 62N39		
	ILLINOIS FED. AID PROJECT			



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–13

MODEL: $MODELNAMES
FILE NAME: D:\62N39-plt ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

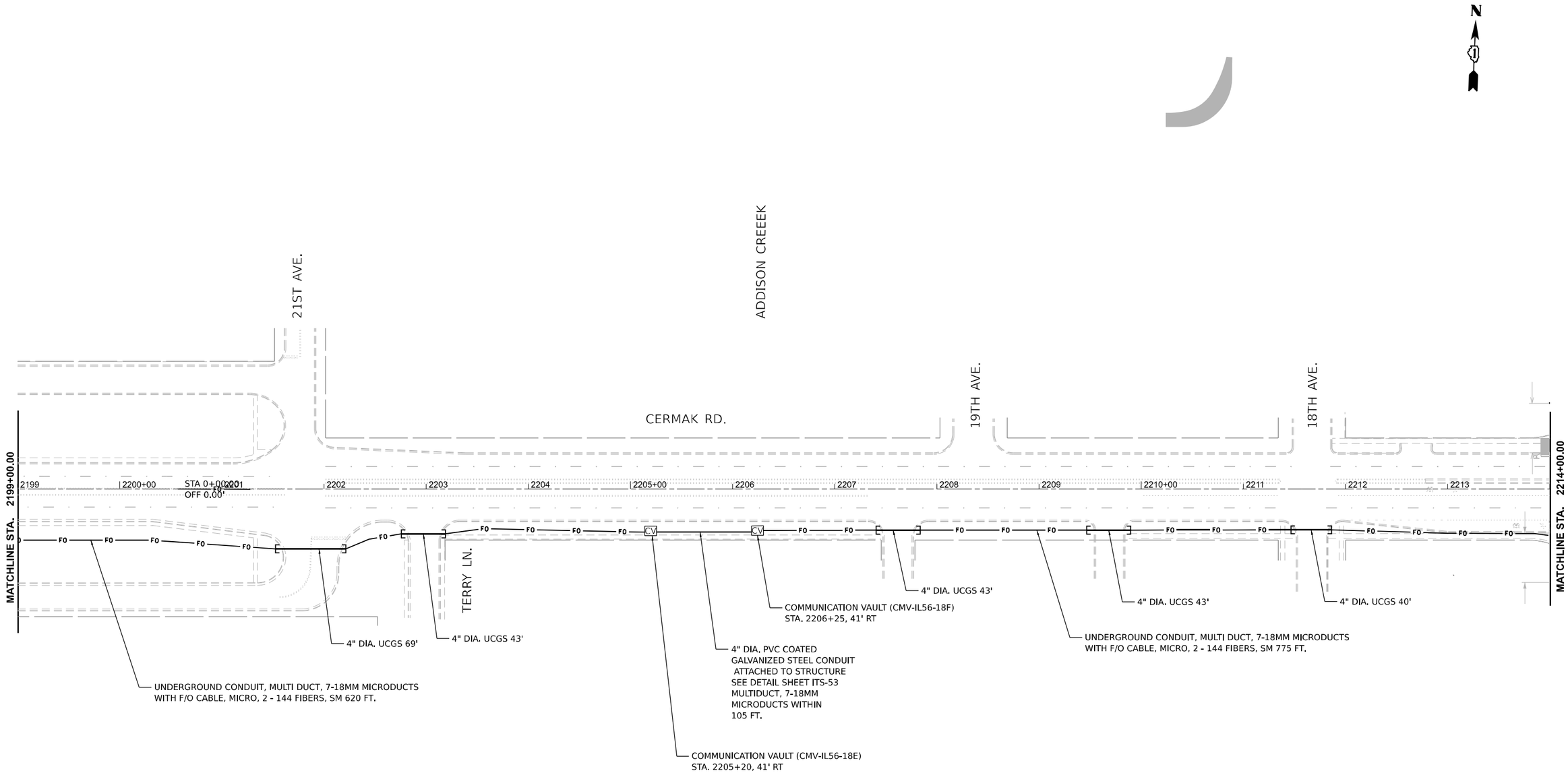
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	456
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–14

MODEL: $MODELNAMES
FILE NAME: D:\62N39-plt ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

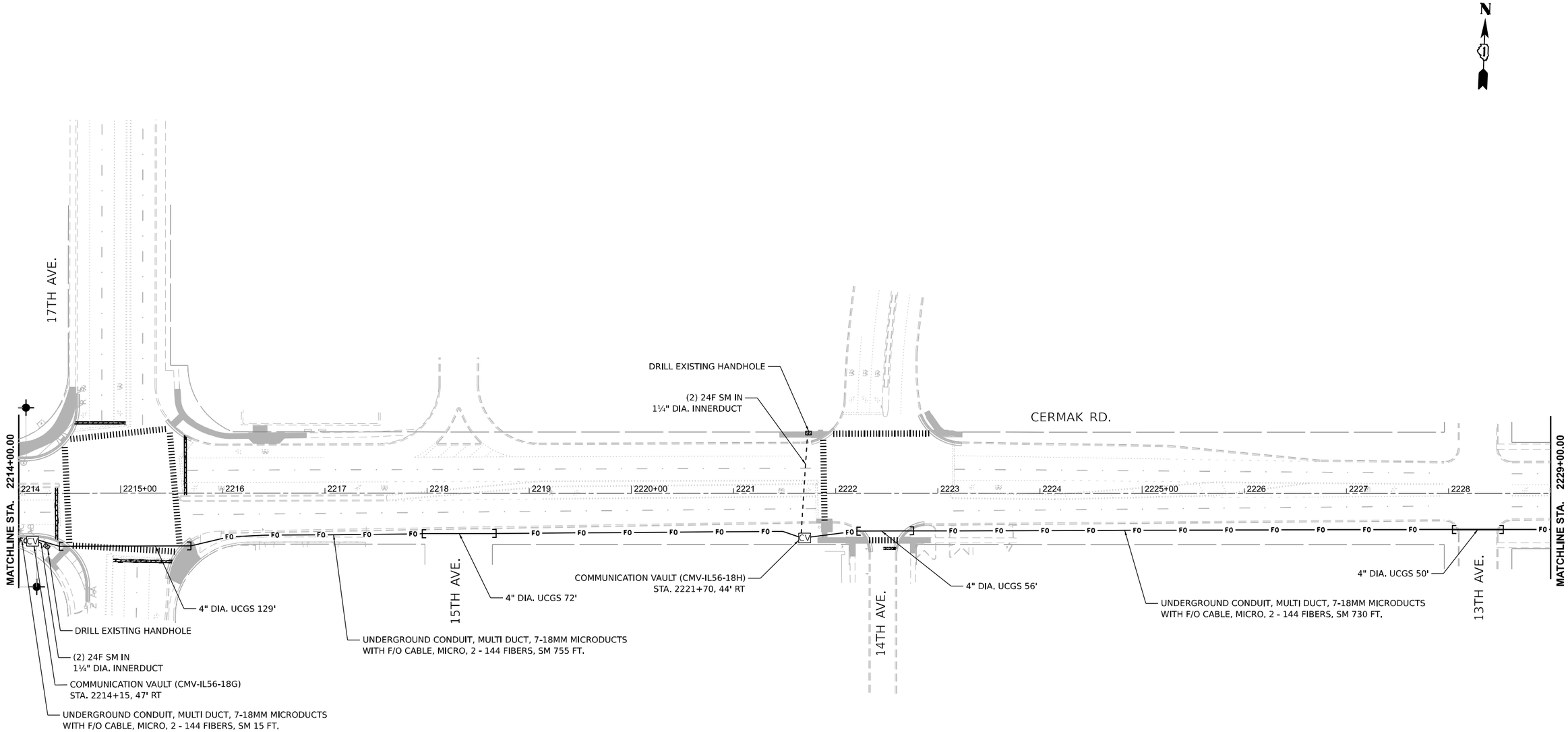
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	457
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–15

MODEL: $MODELNAMES
FILE NAME: D162N39-plt ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

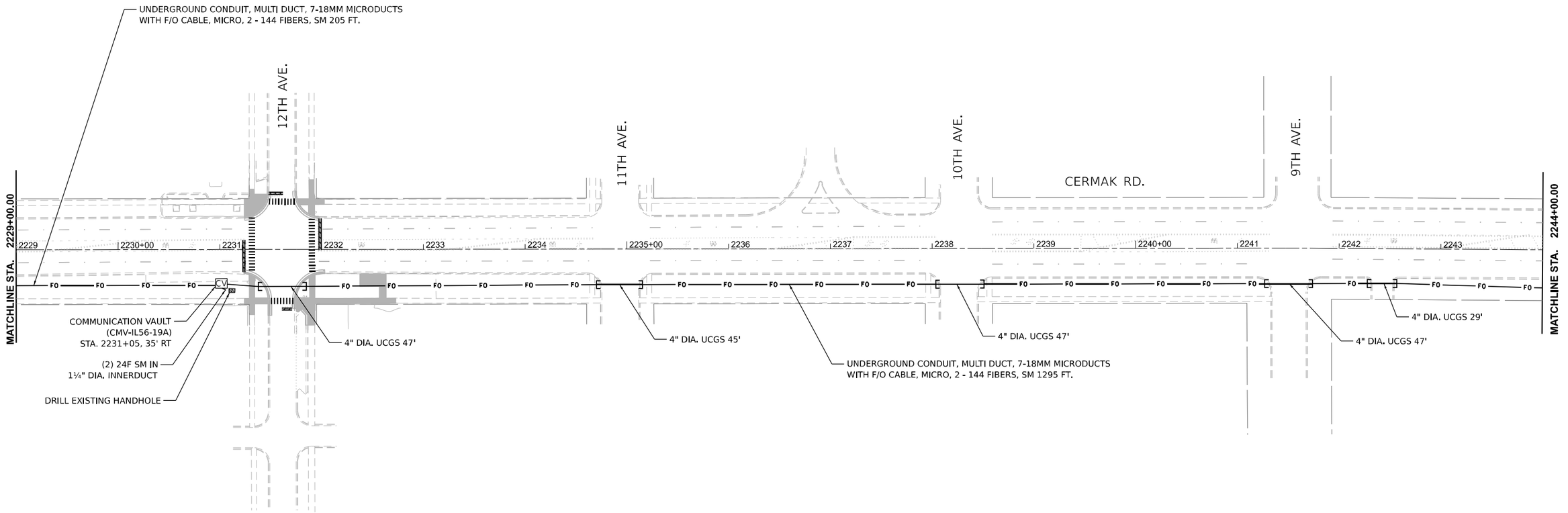
USER NAME = msomer	DESIGNED - BL	REVISED -			
	DRAWN - MD	REVISED -			
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -			
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	458
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–16

MODEL: $MODELNAME$
FILE NAME: D:\62N39\dn\ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

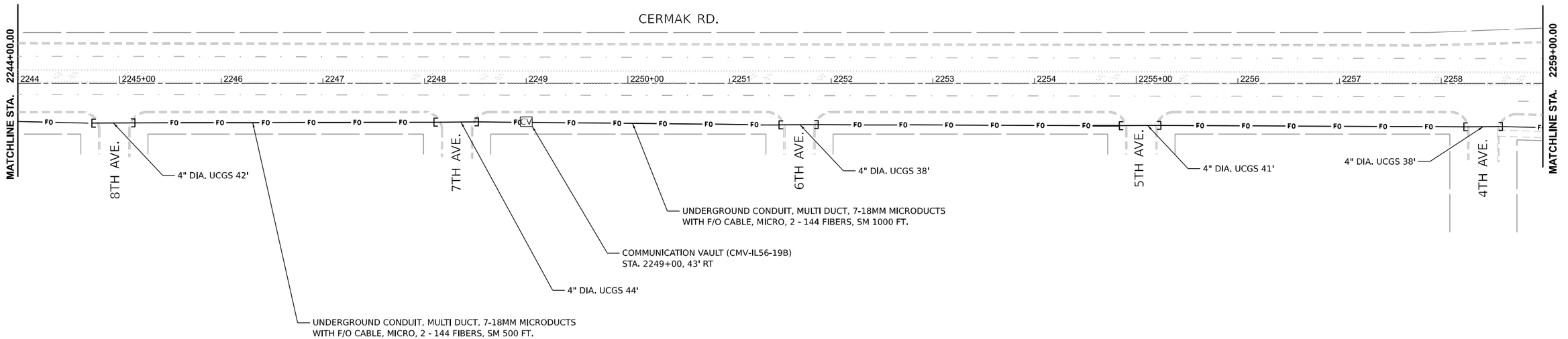
USER NAME	= msomer	DESIGNED	- BL	REVISED	-
		DRAWN	- MD	REVISED	-
PLOT SCALE	= $SCALE$	CHECKED	- MH	REVISED	-
PLOT DATE	= 03/19/2025	DATE	- 11/08/2024	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	459
		CONTRACT NO. 62N39		
	ILLINOIS FED. AID PROJECT			



N

NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

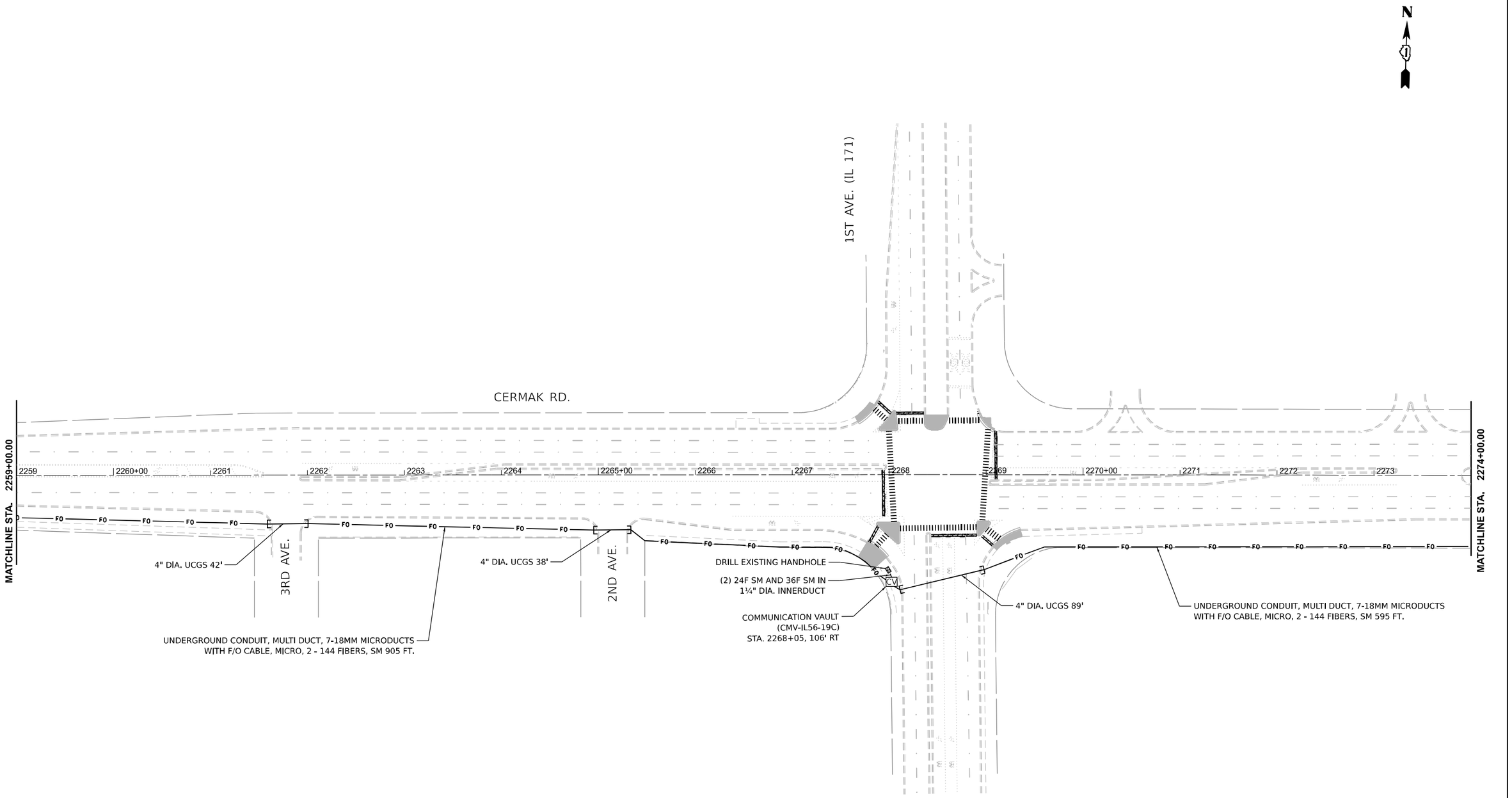
FOC–17

MODEL: $MODELNAMES
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = msomer	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED FIBER ROUTE PLANS 22ND STREET/CERMAK ROAD
	DRAWN - MD	REVISED -		
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -		
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	460
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

FOC–18

MODEL: $MODELNAMES
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

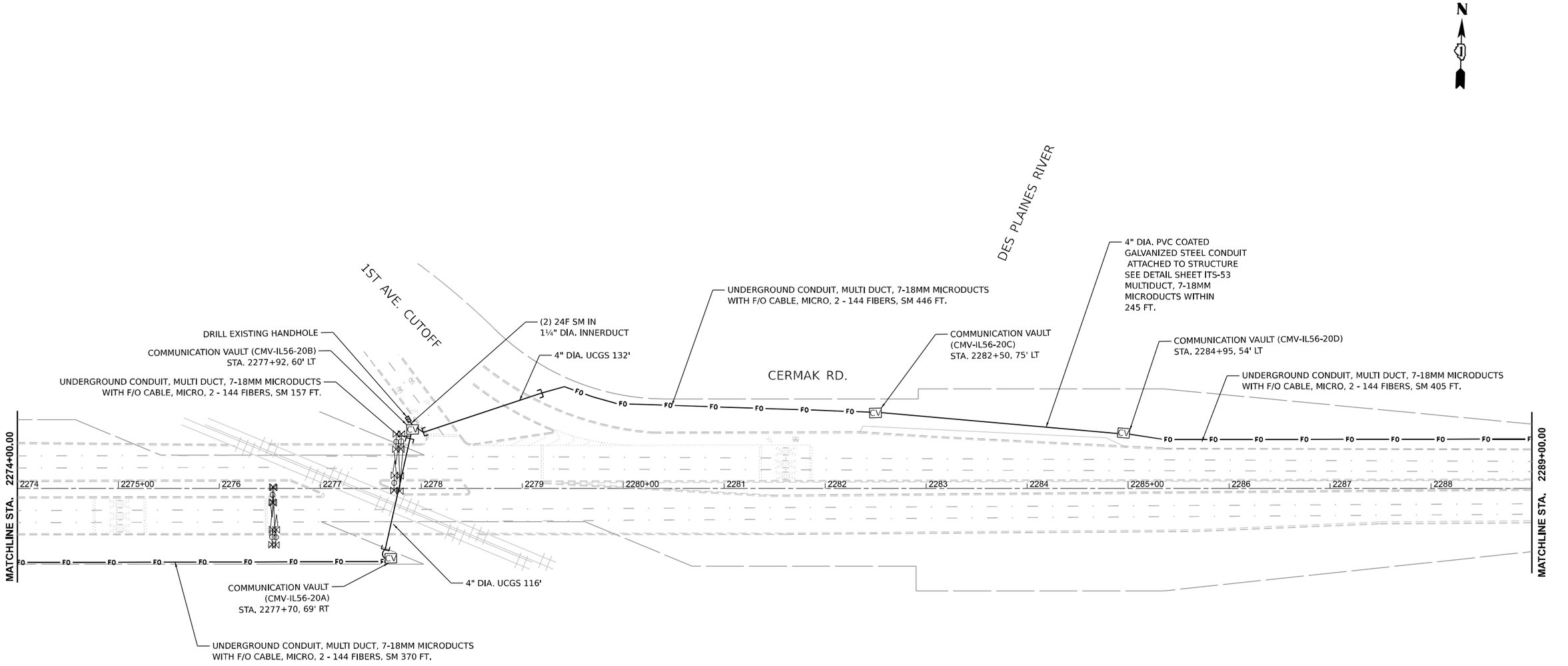
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	461
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–19

MODEL: $MODELNAMES
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

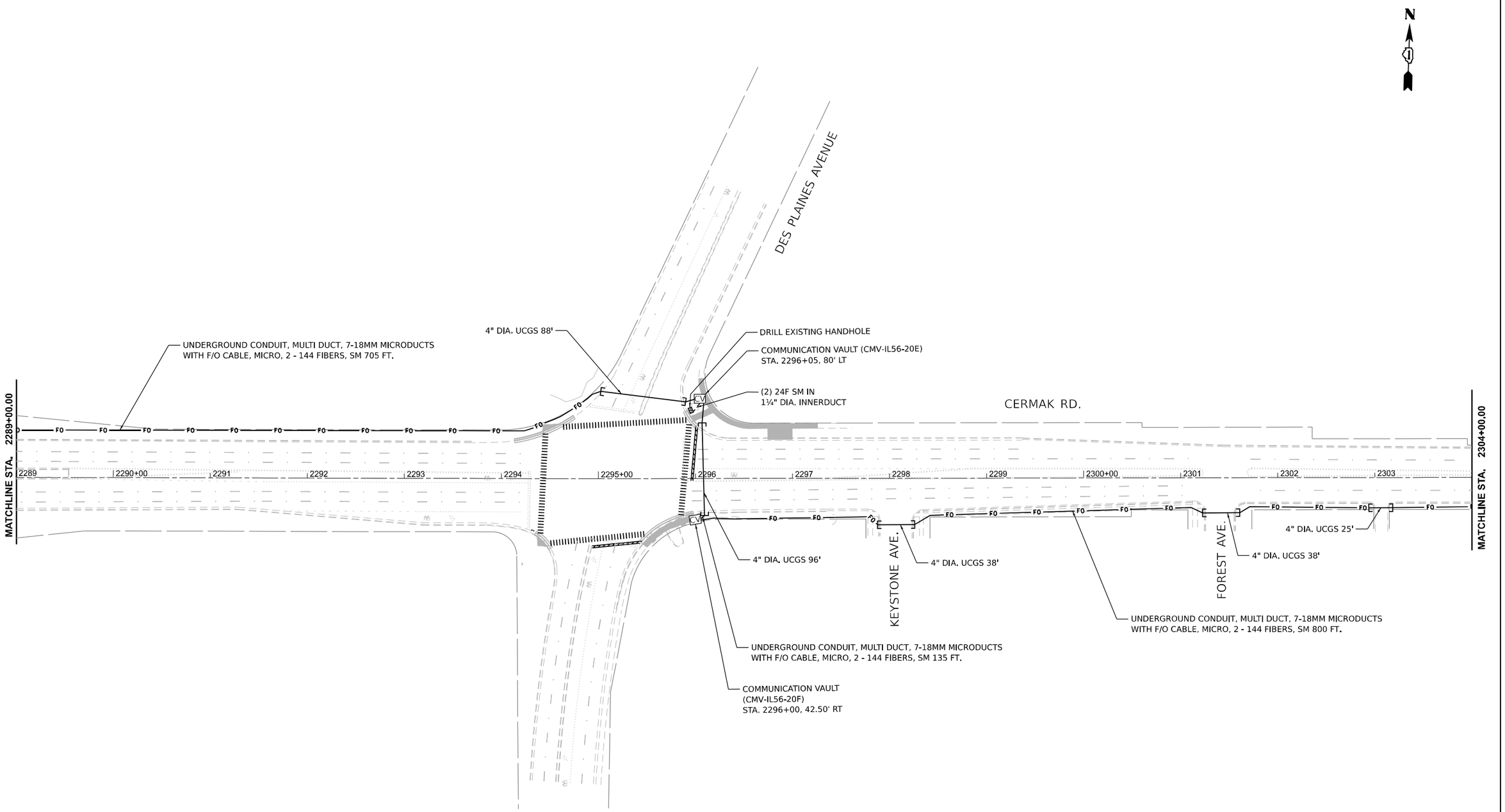
USER NAME = msomer	DESIGNED - BL	REVISED -		
	DRAWN - MD	REVISED -		
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -		
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	462
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–20

MODEL: $MODELNAME$
FILE NAME: D162N39-dnLITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

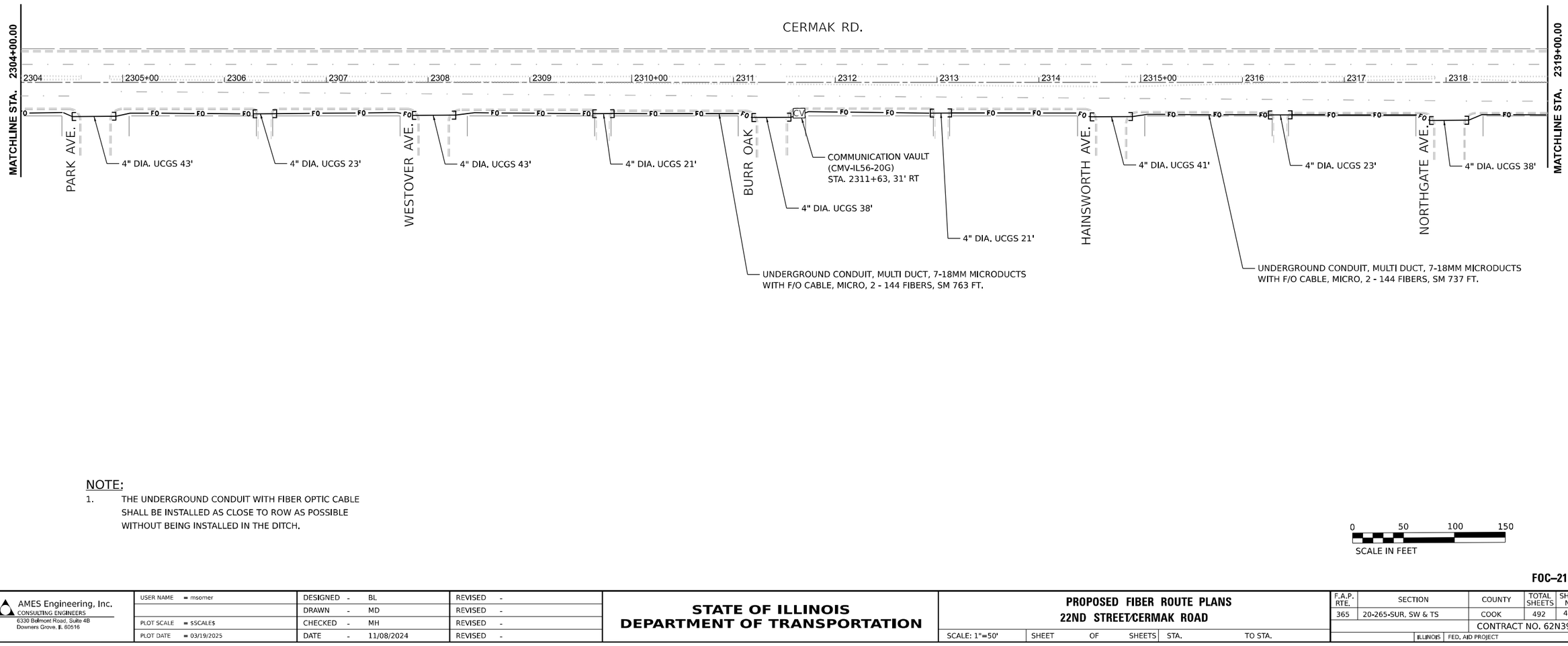
USER NAME = msomer	DESIGNED - BL	REVISED -		
	DRAWN - MD	REVISED -		
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -		
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	463
		CONTRACT NO. 62N39		
	ILLINOIS FED. AID PROJECT			



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–21

MODEL: $MODELNAME$
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

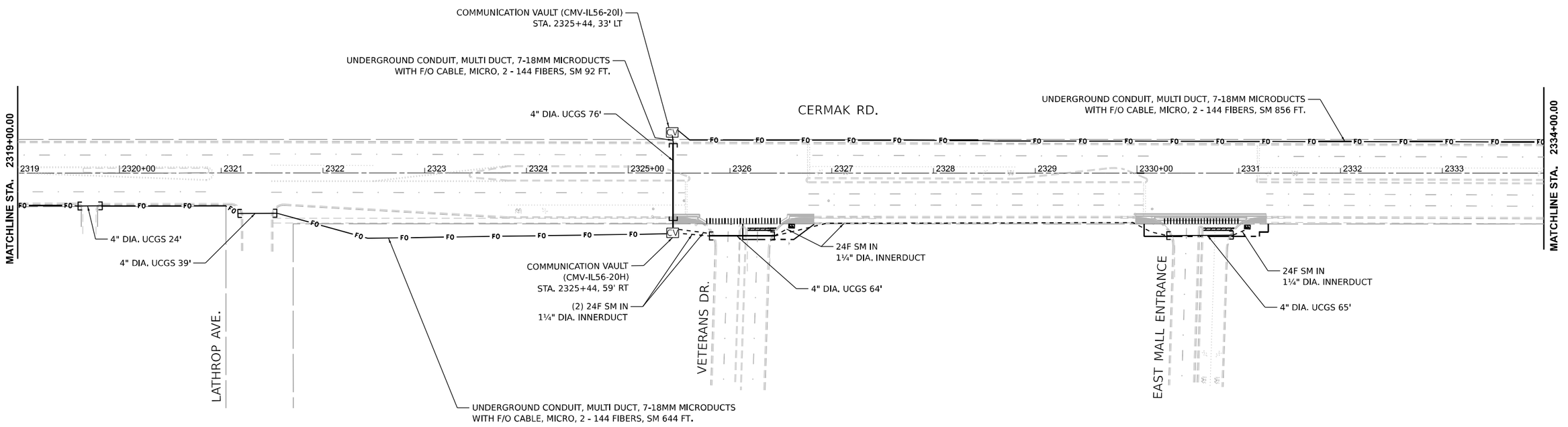
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	464
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–22

MODEL: $MODELNAMES
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

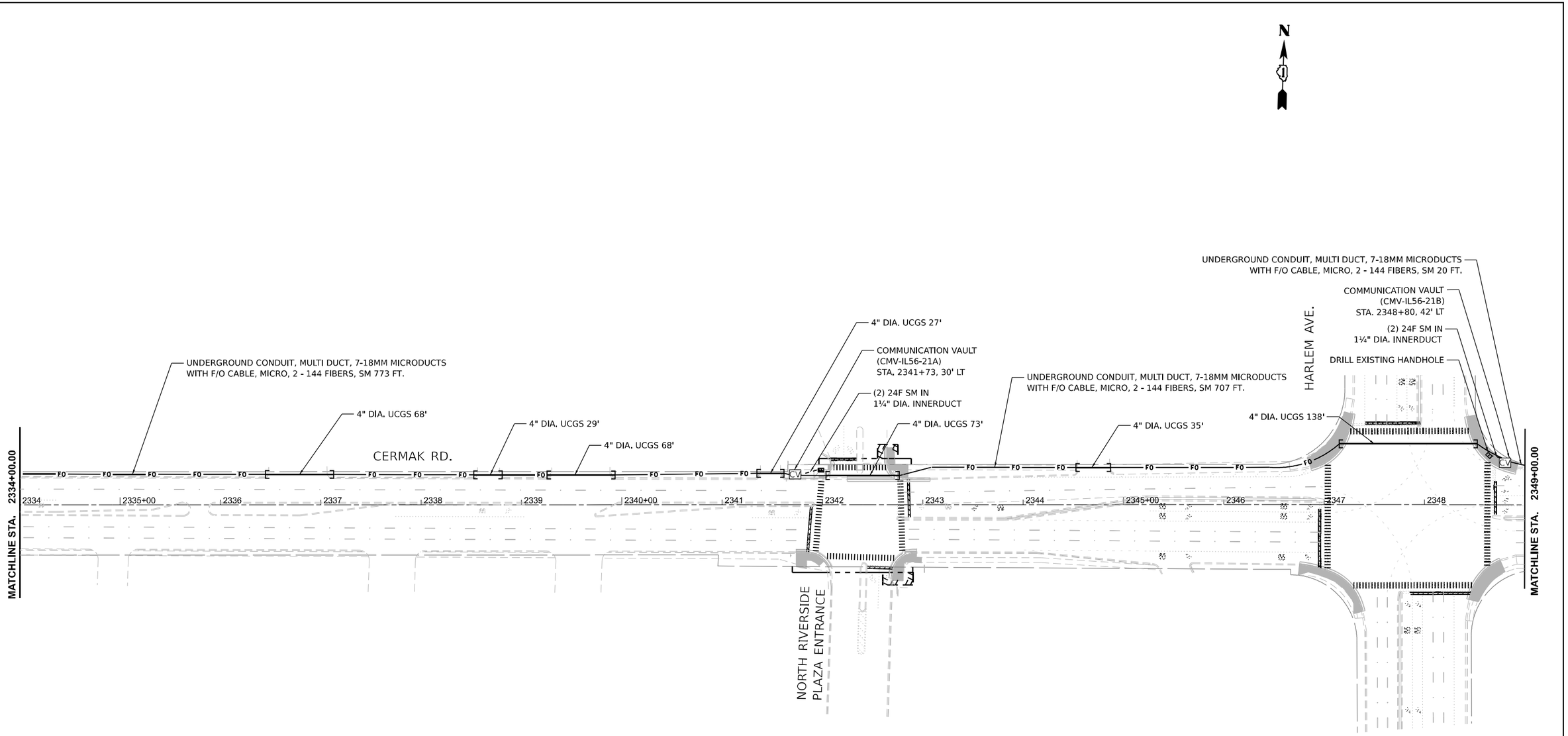
USER NAME = msomer		DESIGNED - BL	REVISED -	
		DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$		CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025		DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	465
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.
2.

0 50 100 150
SCALE IN FEET

FOC–23

MODEL: $MODELNAME$
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

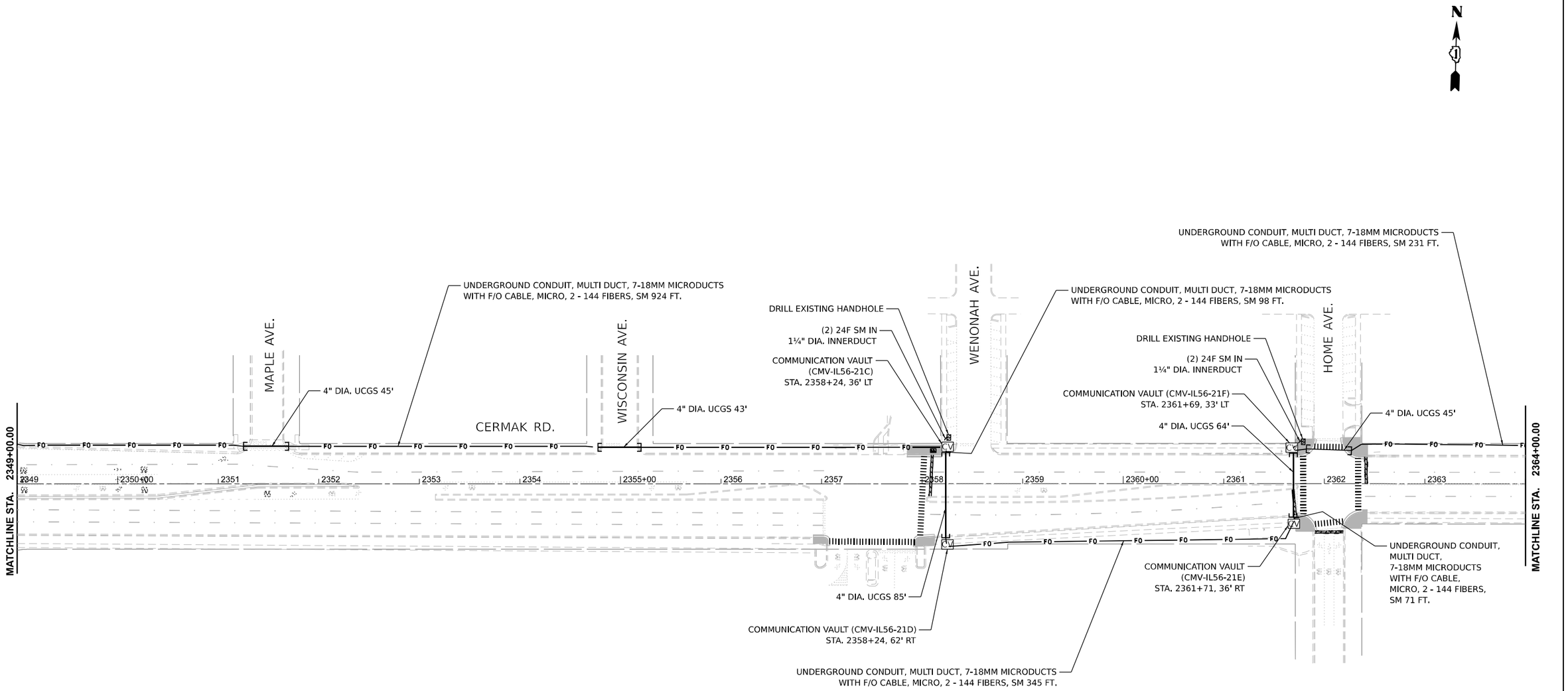
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	466
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–24

MODEL: $MODELNAME$
FILE NAME: D162N39-sht-ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

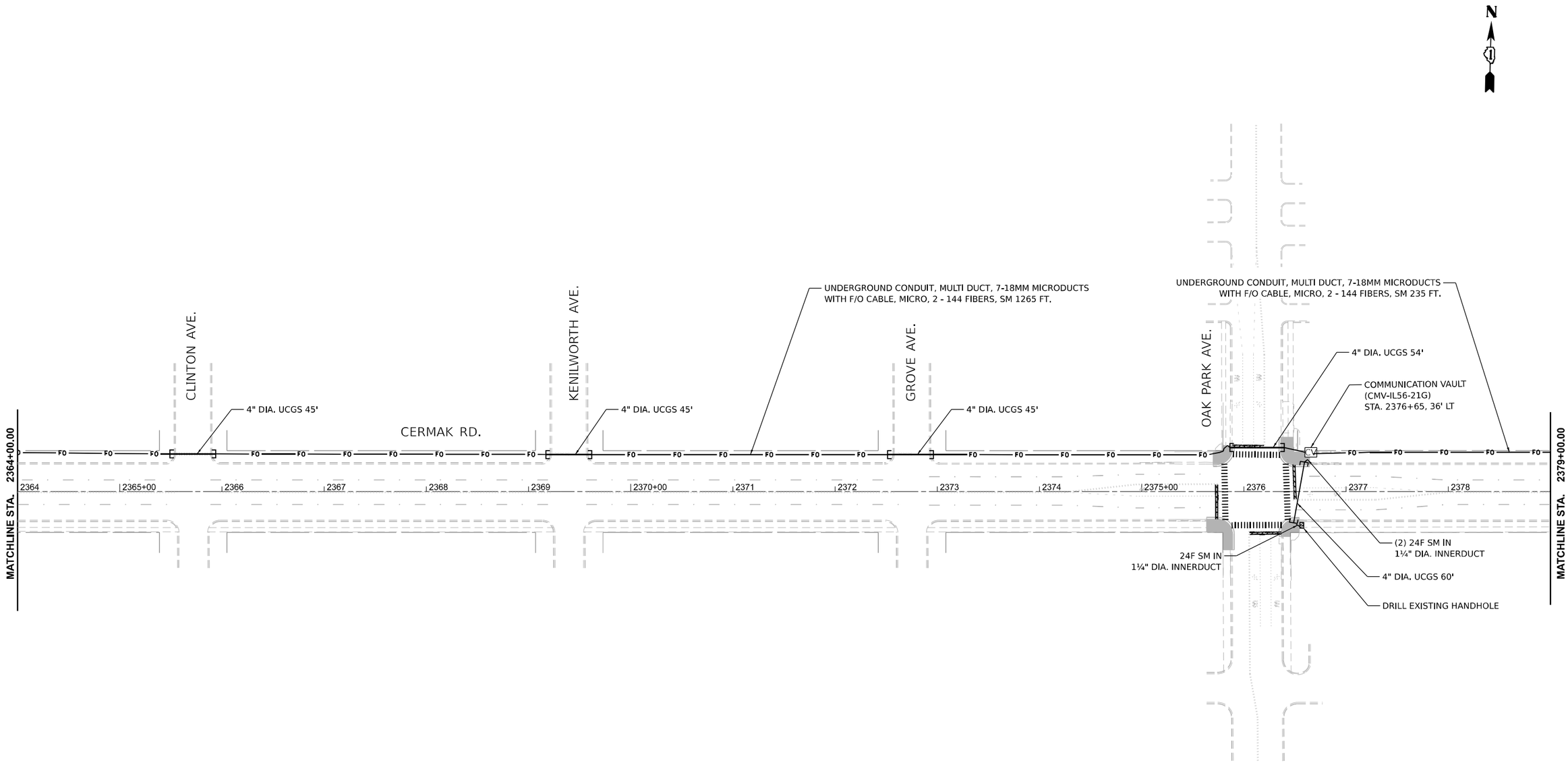
USER NAME = msomer	DESIGNED - BL	REVISED -			
	DRAWN - MD	REVISED -			
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -			
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	467
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–25

MODEL: $MODELNAME$
FILE NAME: D162N39-plt ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

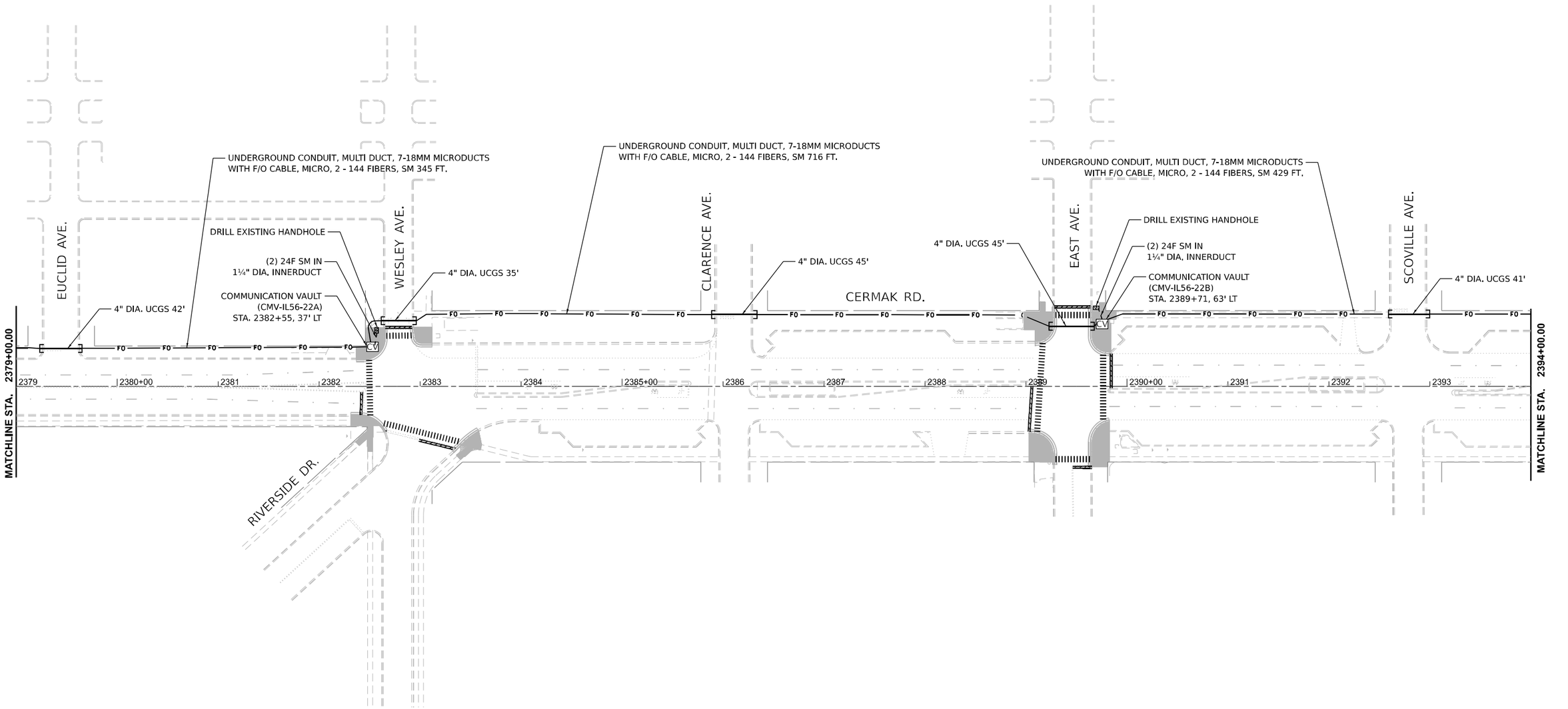
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	468
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

FOC–26

MODEL: $MODELNAMES
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

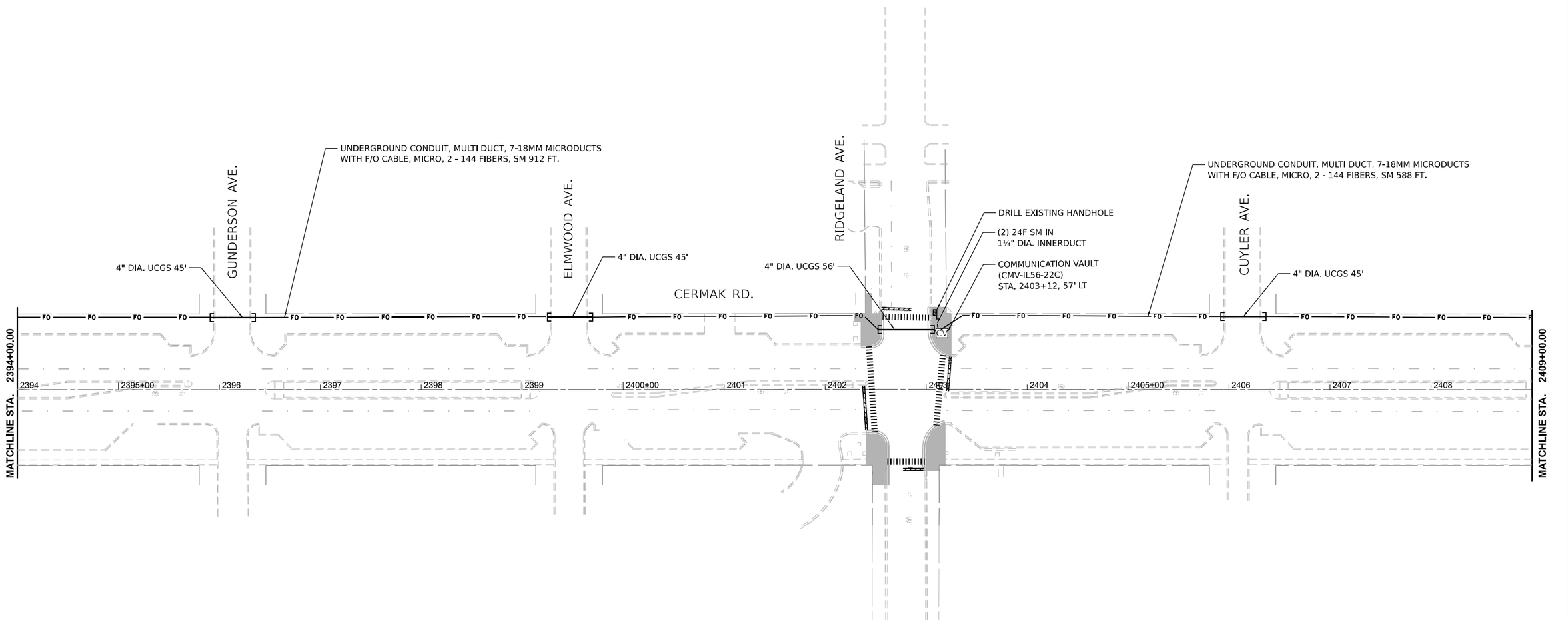
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	469
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150

SCALE IN FEET

FOC–27

MODEL: $MODELNAME$
FILE NAME: D162N39-sht-ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

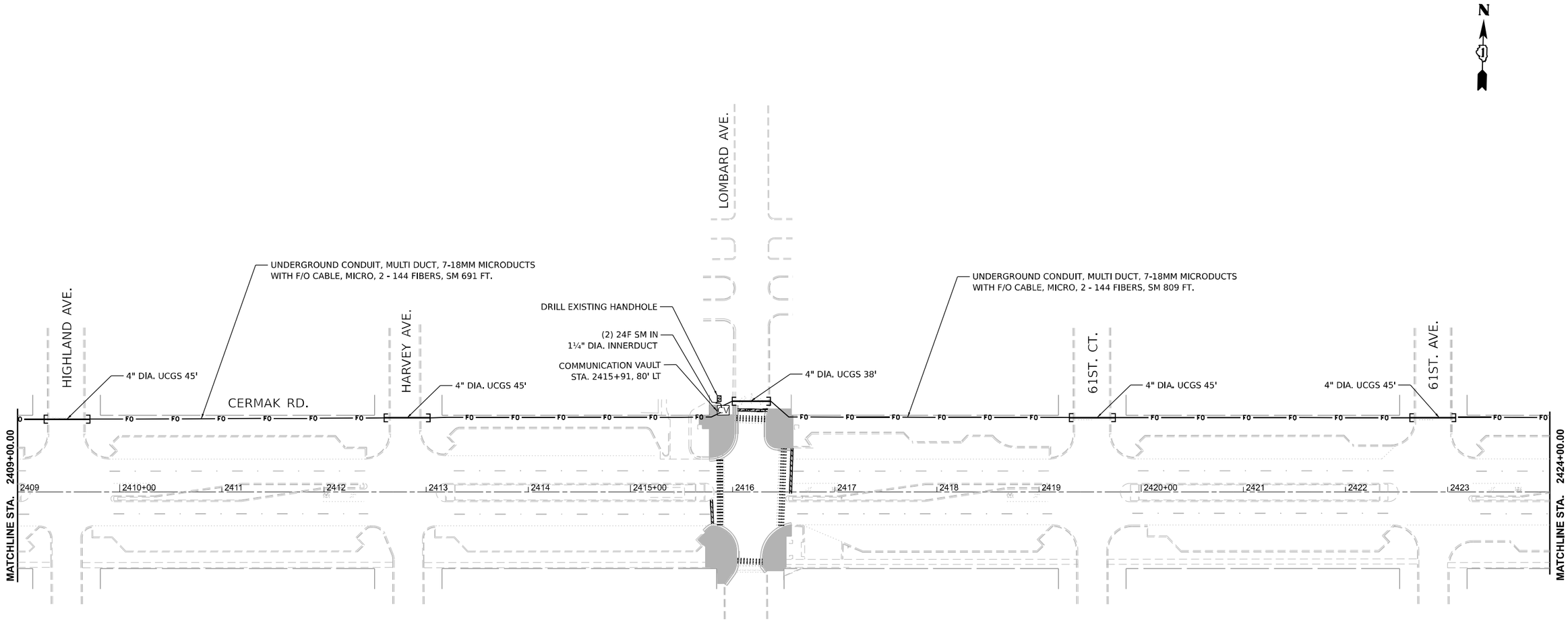
USER NAME = msomer	DESIGNED - BL	REVISED -		
	DRAWN - MD	REVISED -		
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -		
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	470
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150

SCALE IN FEET

FOC–28

MODEL: $MODELNAME$
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

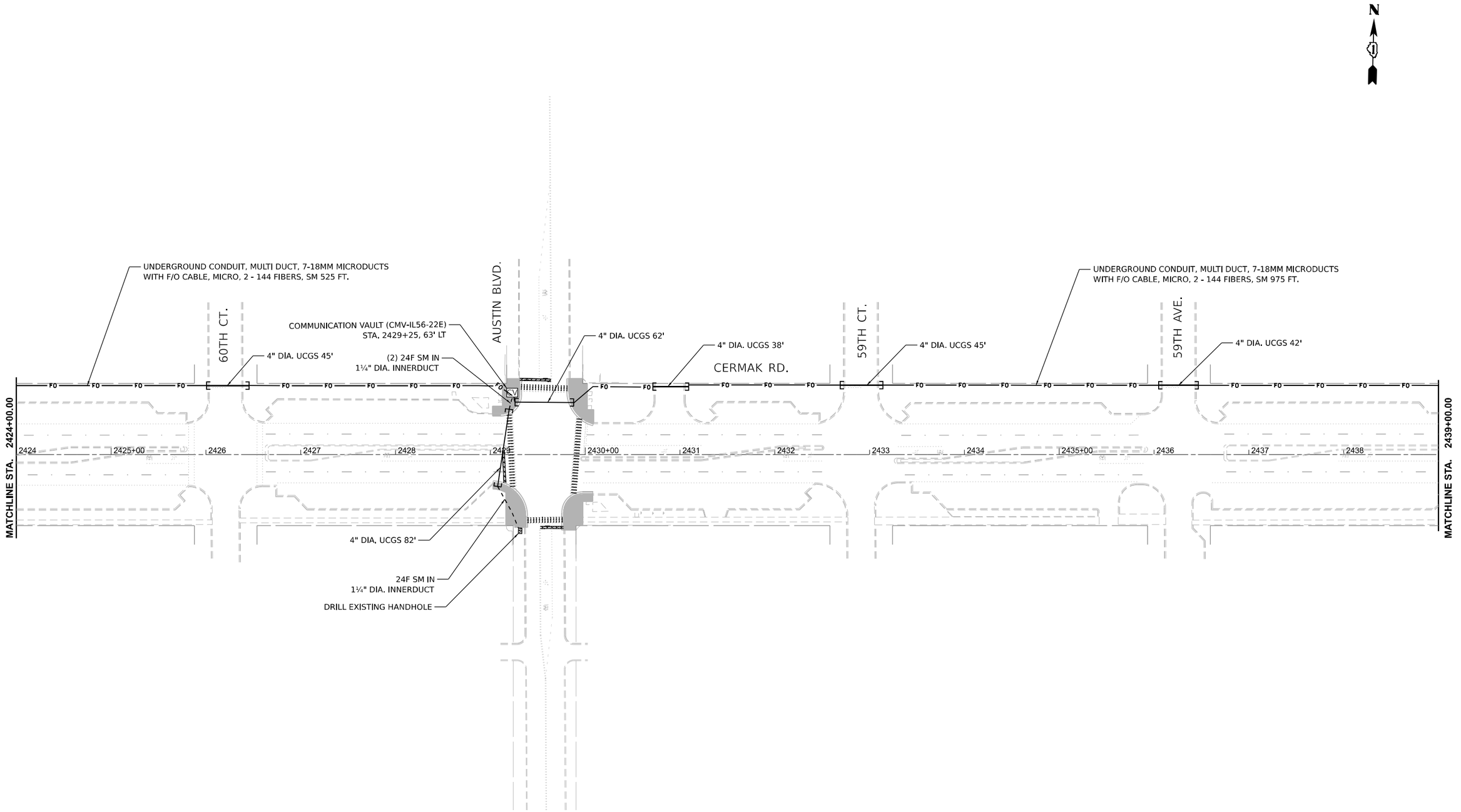
USER NAME = msomer		DESIGNED - BL		REVISED -	
		DRAWN - MD		REVISED -	
PLOT SCALE = $SCALE$		CHECKED - MH		REVISED -	
PLOT DATE = 03/19/2025		DATE - 11/08/2024		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	471
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

FOC–29

MODEL: $MODELNAMES
FILE NAME: D102N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

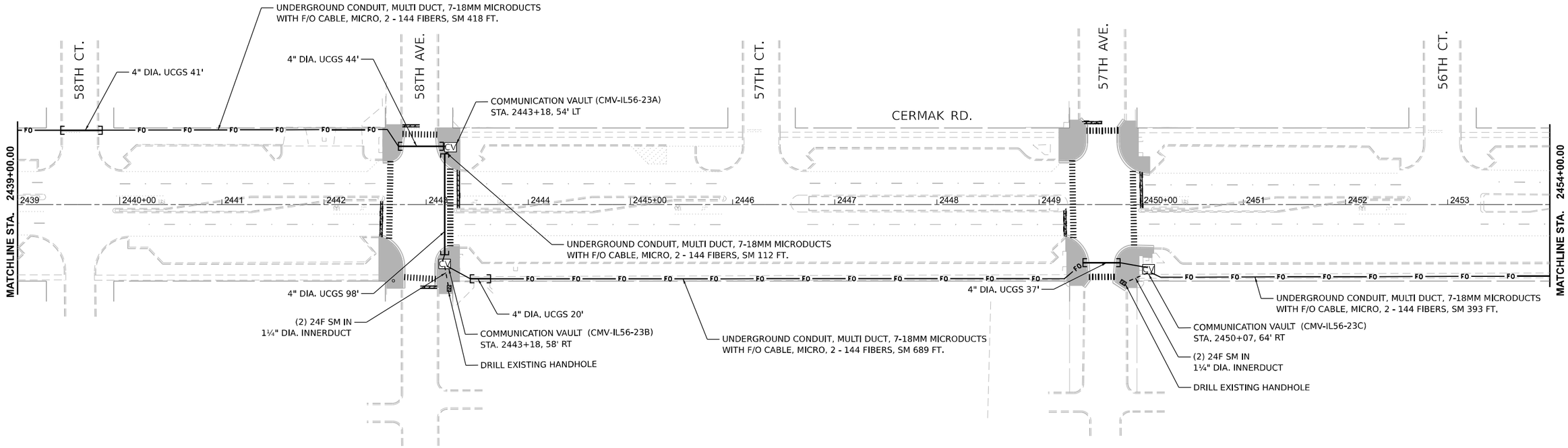
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	472
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–30

MODEL: $MODELNAME$
FILE NAME: D102N39-sht-ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

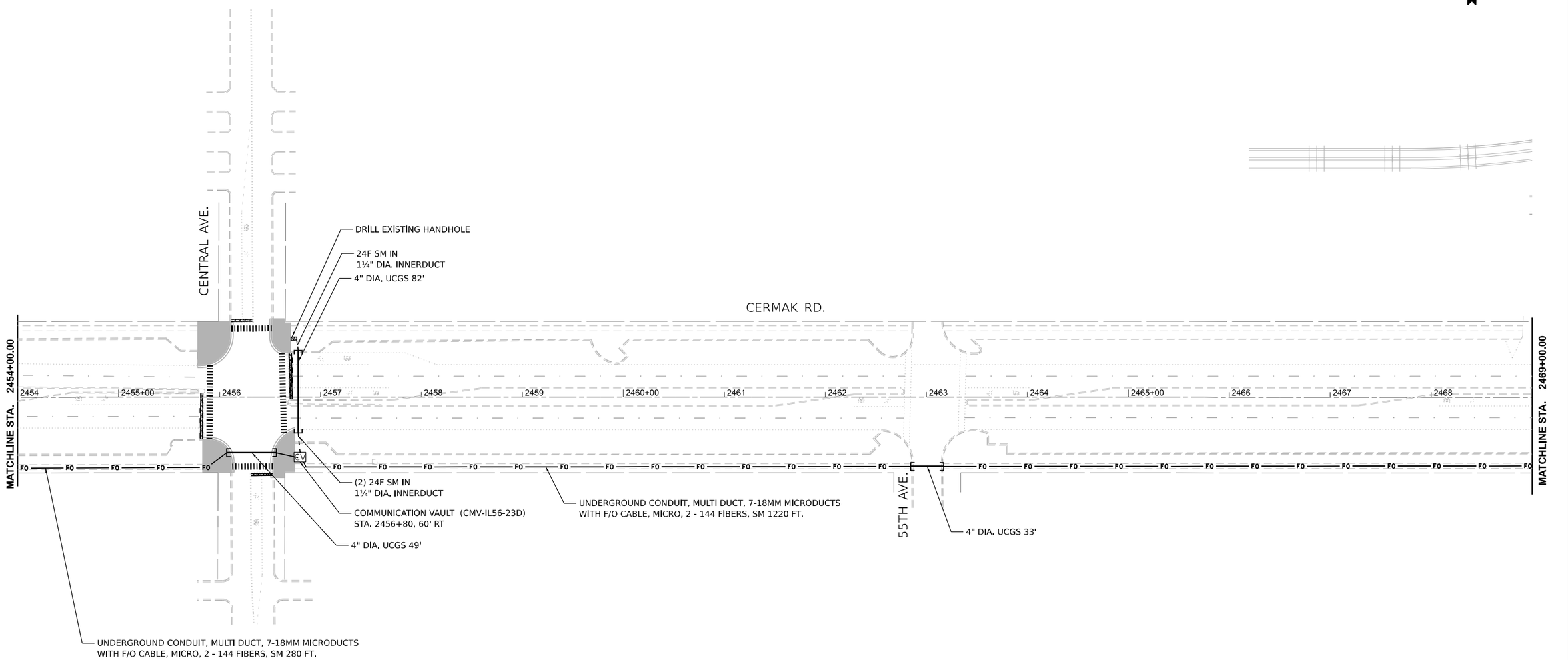
USER NAME = msomer	DESIGNED - BL	REVISED -			
	DRAWN - MD	REVISED -			
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -			
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	473
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–31

MODEL: $MODELNAMES
FILE NAME: D102N39sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

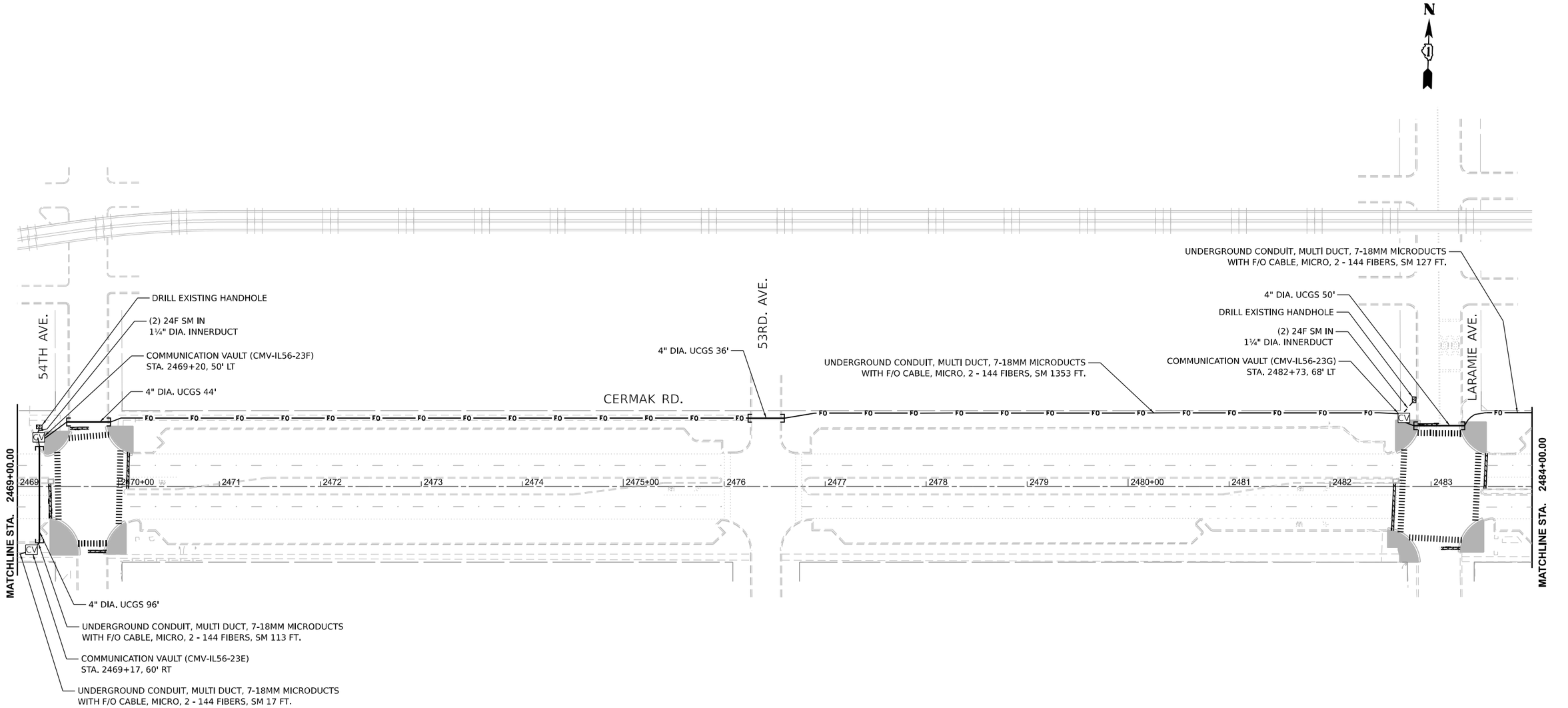
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	474
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

0 50 100 150
SCALE IN FEET

FOC–32

MODEL: $MODELNAME$
FILE NAME: D162N39-sht-ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

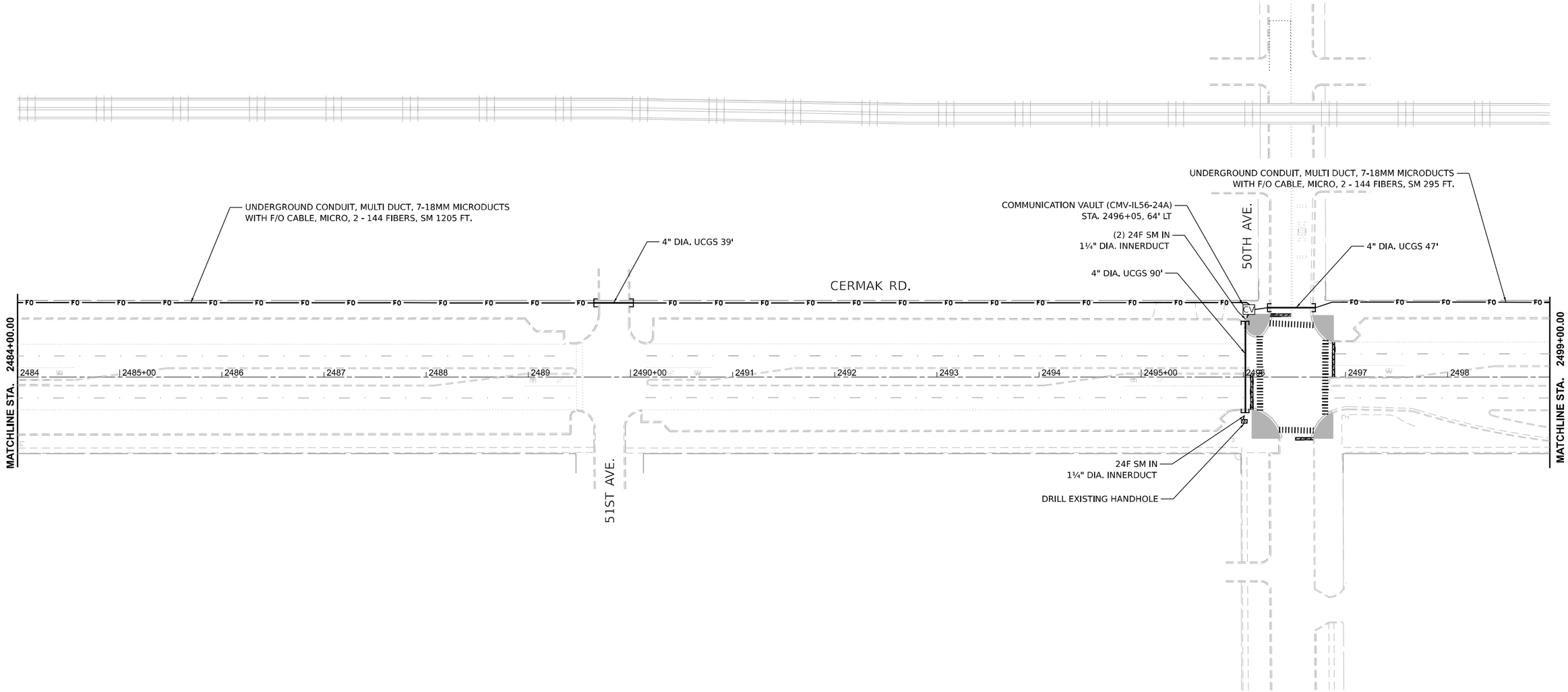
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	475
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.

FOC–33

MODEL: $MODELNAME$
FILE NAME: D102N39-sht-ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

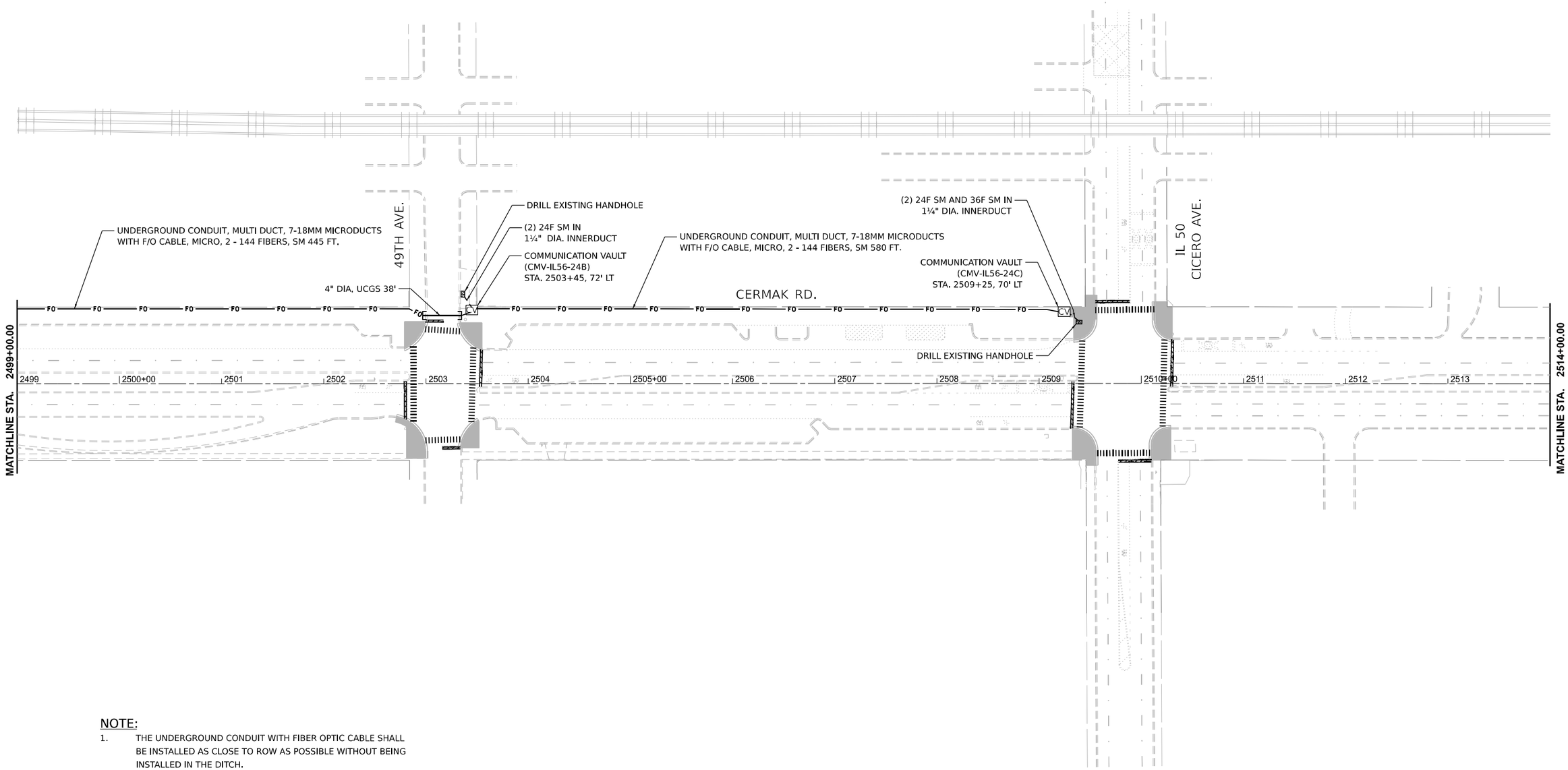
USER NAME = msomer		DESIGNED - BL	REVISED -	
		DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$		CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025		DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	476
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



NOTE:

1. THE UNDERGROUND CONDUIT WITH FIBER OPTIC CABLE SHALL BE INSTALLED AS CLOSE TO ROW AS POSSIBLE WITHOUT BEING INSTALLED IN THE DITCH.
2. COMMUNICATIONS VAULT IS INTENDED FOR FIBER TIE-IN FROM EXISTING TRI-STATE (I-294) FIBER BACKBONE BY IL TOLLWAYS FIBER MAINTENANCE CONTRACTOR TO ESTABLISH BACKHAUL COMMUNICATION TO IDOT DISTRICT 1 THROUGH IDOT AND IL TOLLWAY COORDINATION.

0 50 100 150
SCALE IN FEET

FOC–34

MODEL: $MODELNAMES
FILE NAME: D162N39-sht ITS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

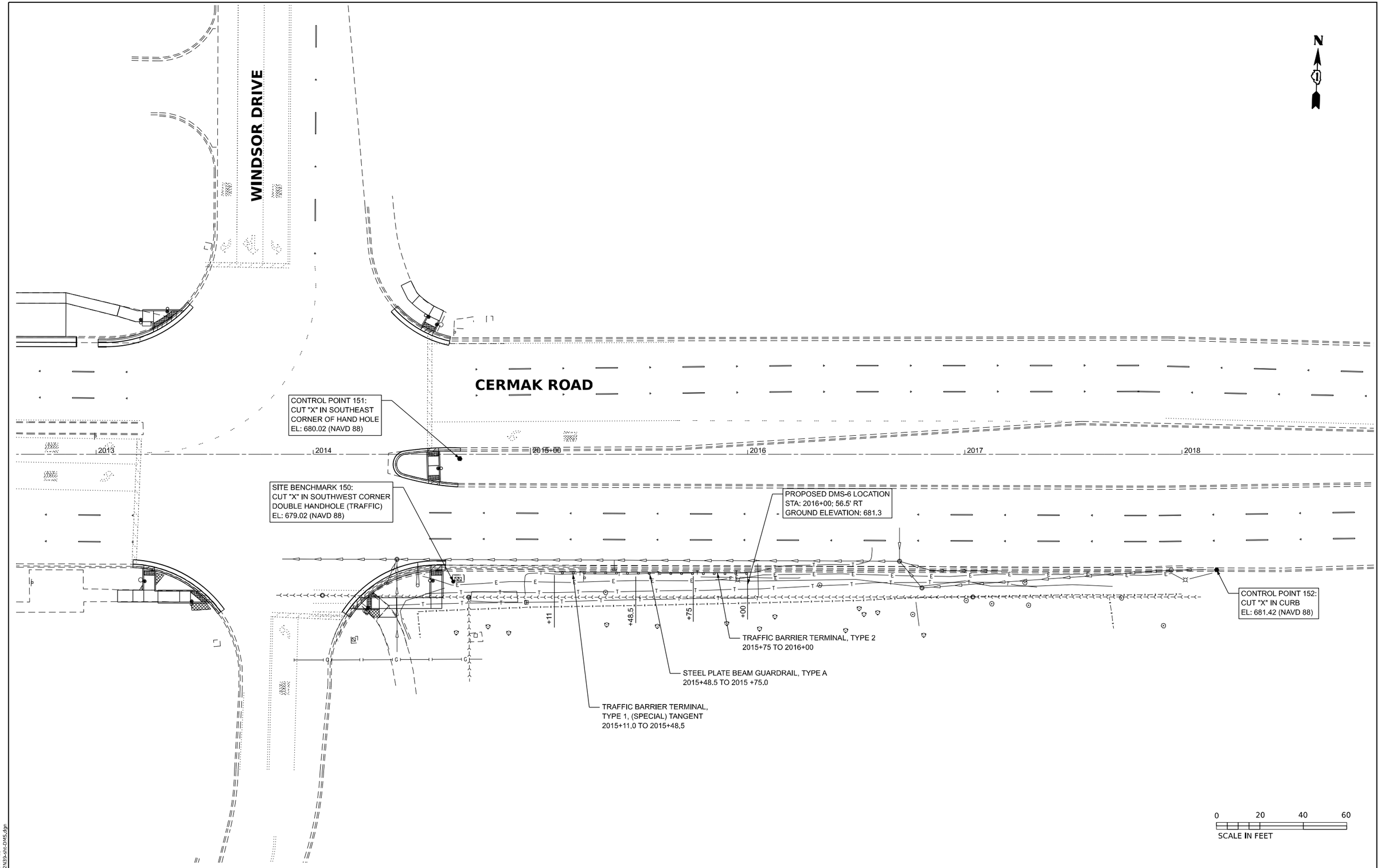
USER NAME = msomer	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER ROUTE PLANS
22ND STREET/CERMAK ROAD

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	20-265-SUR, SW & TS	COOK	492	477
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



MODEL: \$MODELNAME\$
FILE NAME: D162N39-sht-DMS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

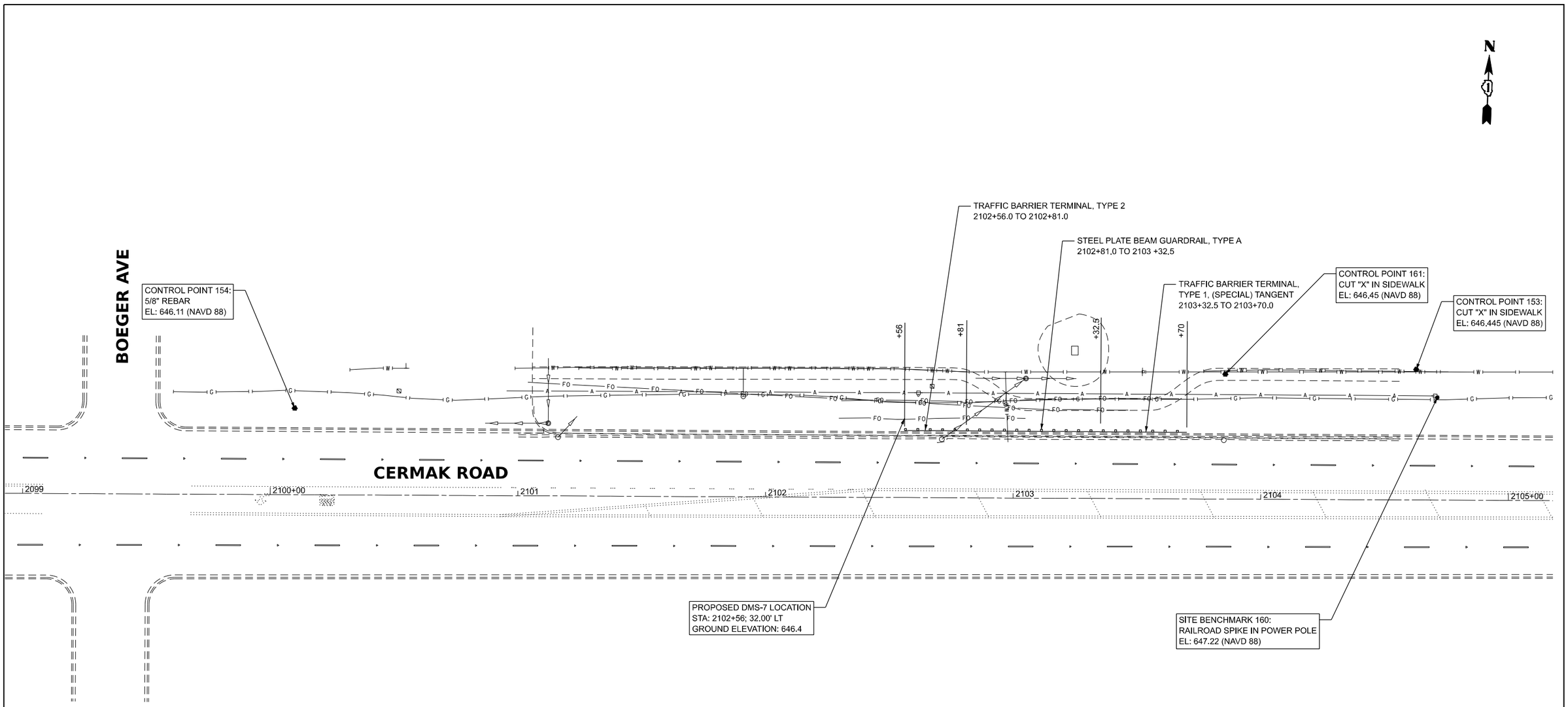
USER NAME = msomer	DESIGNED - MS, MA	REVISED -	
	DRAWN - MS, MA, MD,SR	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED - JAR, AS	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL DMS SITE PLAN
DMS 1 LOCATION STA. 2016 + 00

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
771	2020-266-SUR, SW & TS	COOK, DUPAGE	492	478
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	



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FILE NAME: D162N39-sht-DMS.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = msomer	DESIGNED - MS, MA	REVISED -	
	DRAWN - MS, MA, MD,SR	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - JAR, AS	REVISED -	
PLOT DATE = 03/19/2025	DATE - 11/08/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL DMS SITE PLAN
DMS 2 LOCATION STA. 2102+56

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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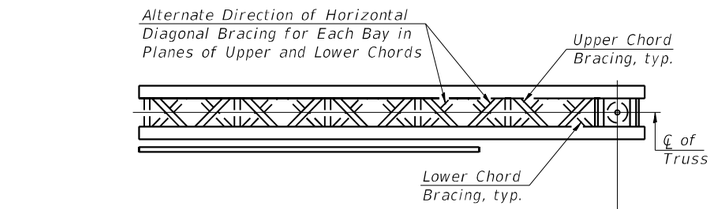
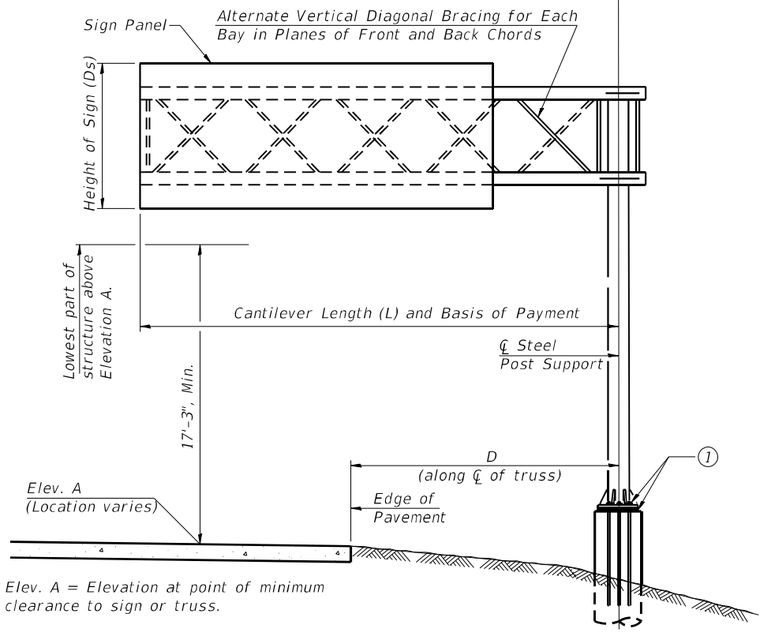
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



TYPICAL PLAN

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	Ds	Total Sign Area
1C022L022R038.2	2016+27	III-C-A	26'-7"	680.00	7'-9"	5'-8"	106.72 SF
1C016LCRMR040.2	2101+29	III-C-A	26'-7"	646.00	7'-9"	5'-8"	106.72 SF

Truss Type	Maximum Sign Area	Maximum Length
III-C-A	400 Sq. Ft.	40 Ft.

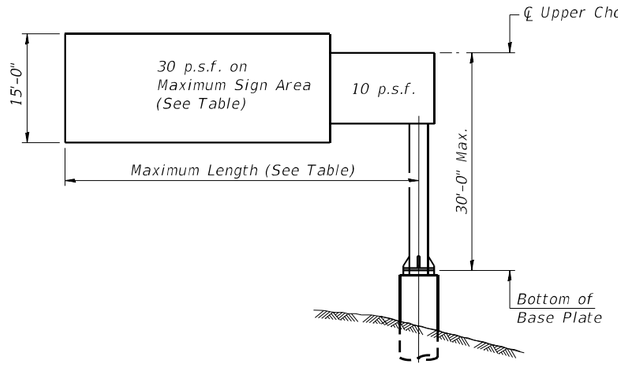


Elev. A = Elevation at point of minimum clearance to sign or truss.

TYPICAL ELEVATION

Looking in Direction of Traffic

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards Installations not within dimensional limits shown require special analysis for all components.

(1) *After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.*

* *If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.*

Note:
Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of the trusses.

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

DESIGN STRESSES:
Field Units
f' = 3,500 p.s.i.
fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.
All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.*
The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	54
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	16

62N39-SHT-STR-DMS-001-GPE

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10 S. LaSalle St., Suite 2110
Chicago, Illinois 60603
312-641-0580
www.bowman.com

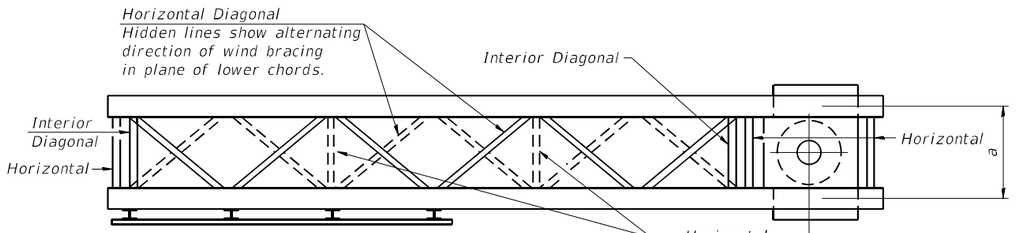
USER NAME = dofrikhter		DESIGNED - DSO		REVISED -	
		CHECKED - AJN		REVISED -	
PLOT SCALE = 2.0000 ' / in.		DRAWN - DSO		REVISED -	
PLOT DATE = 04/23/2025		CHECKED - AJN		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

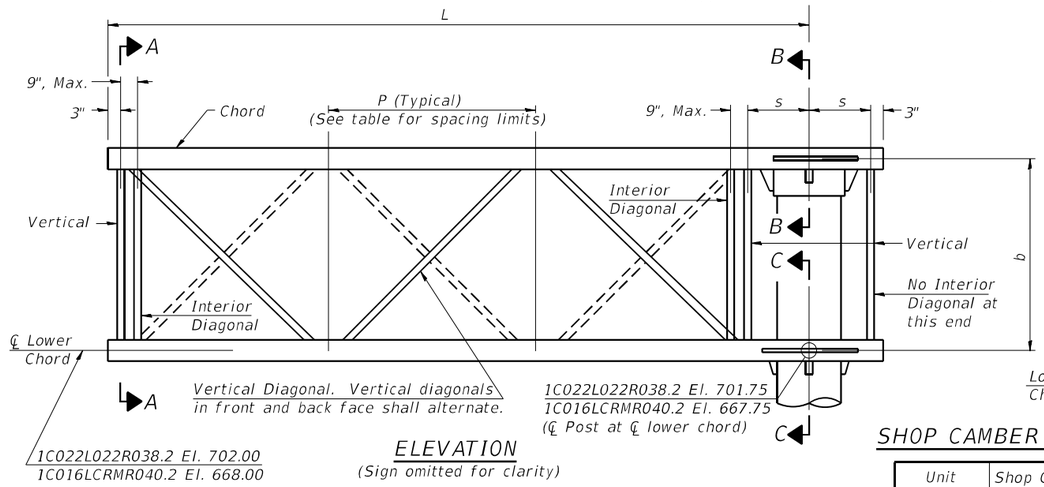
CANTILEVER SIGN STRUCTURES – GENERAL PLAN & ELEVATION – ALUMINUM TRUSS & STEEL POST

SHEET 1 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	30	DUPAGE	492	480
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		



PLAN



ELEVATION

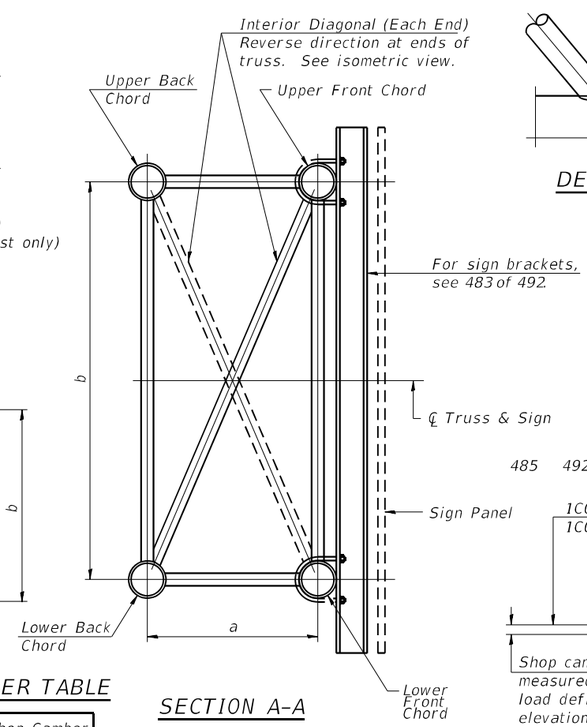
(Sign omitted for clarity)

TYPICAL TRUSS UNIT

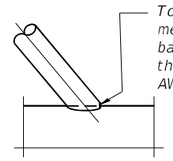
For Section B–B and Section C–C, see 483 of 492.

SHOP CAMBER TABLE

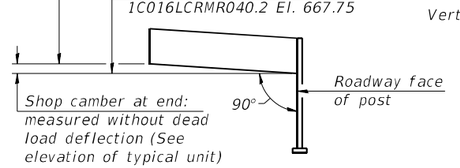
Unit Length (L)	Shop Camber at End
26'–27'	2¾"



SECTION A–A

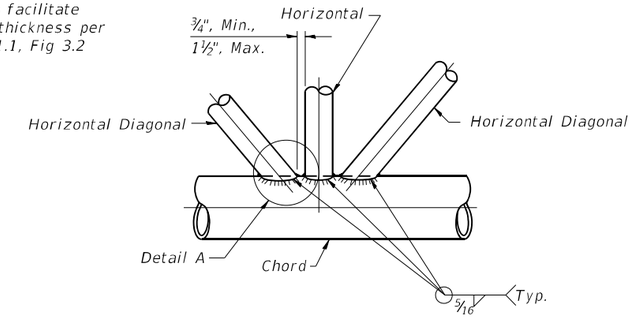


DETAIL A

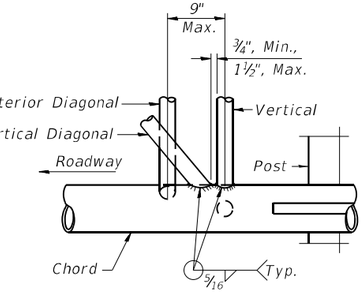


CAMBER DIAGRAM

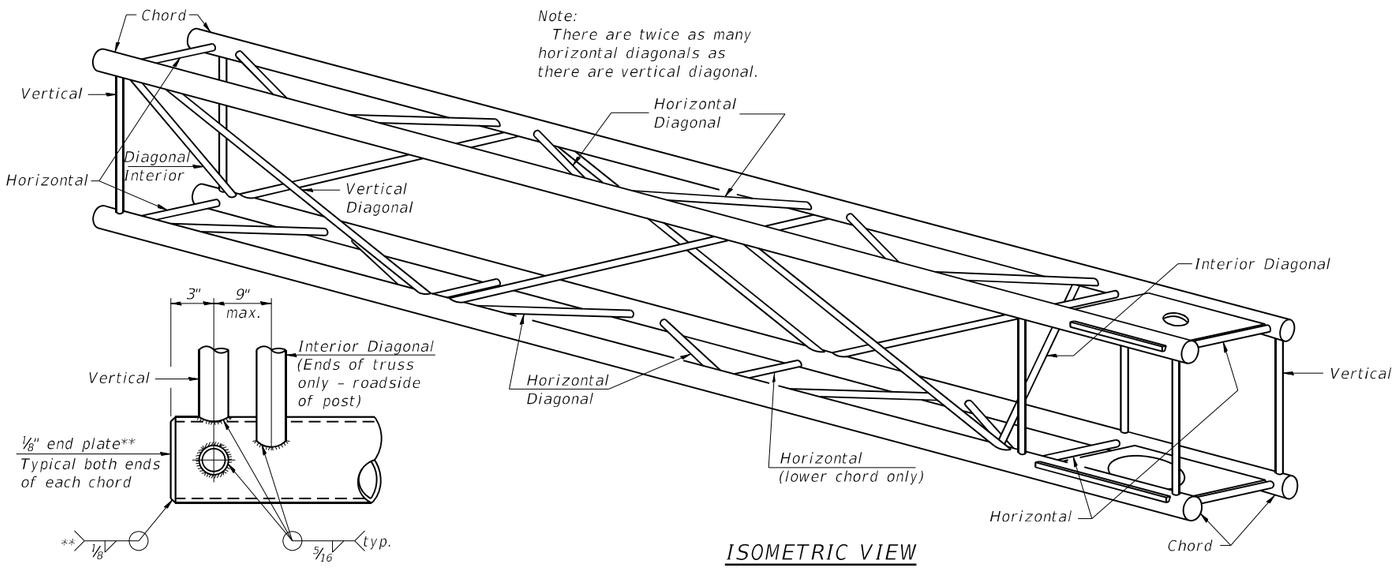
(For Fabrication Only)



TRUSS INTERIOR JOINT DETAIL



POST END JOINT DETAIL



ISOMETRIC VIEW

TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

CANTILEVER END JOINT DETAIL

** Contractor may alternatively use standard aluminum drive-fit cap to close ends. ½" Ø Drain hole in end plate / drive-fit cap.

TRUSS UNIT TABLE

Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)	Up. & Low. Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
III–C–A (35' Max.)	36"	84"	21"	48" Min. to 66" Max.	7"	⅜"	3½"	⅜"

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
1C022L022R038.2	2016+27	III–C–A	26'–7"	5	4'–11"
1C016LCRMR040.2	2101+29	III–C–A	26'–7"	5	4'–11"

62N39–SHT–STR–DMS–002–TRUSS

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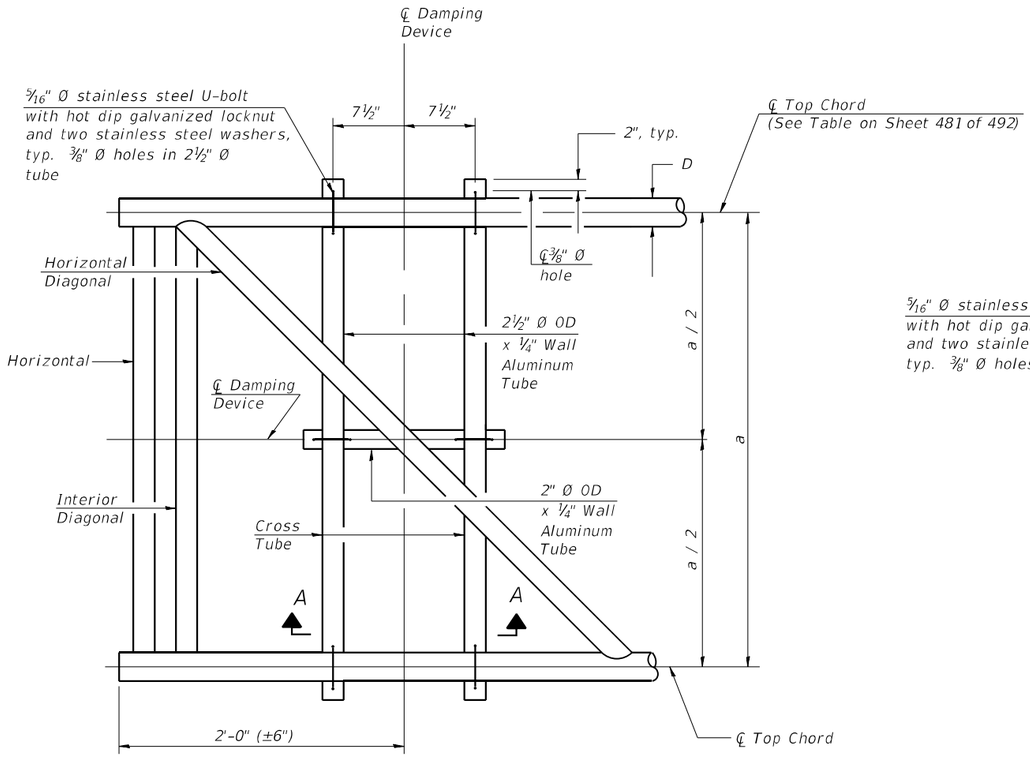
	CHECKED - AJN	REVISED -	
PLOT SCALE = 2.0000 ' / in.	DRAWN - DSO	REVISED -	
PLOT DATE = 04/23/2025	CHECKED - AJN	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

SHEET 2 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	30	DUPAGE	492	481
		CONTRACT NO. 62N39		
	ILLINOIS FED. AID PROJECT			



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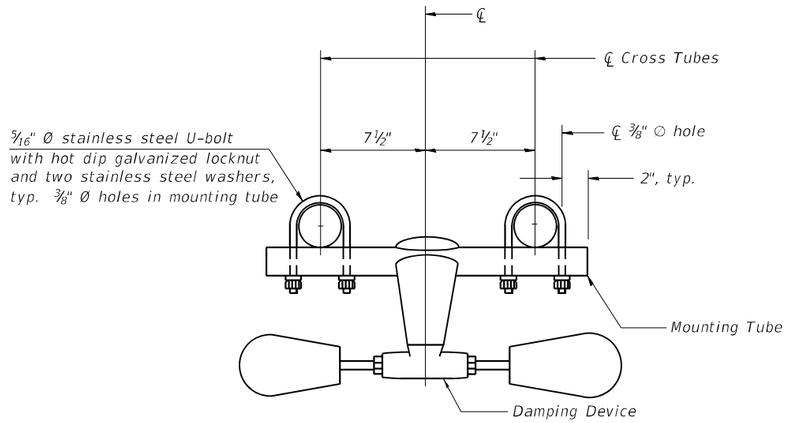
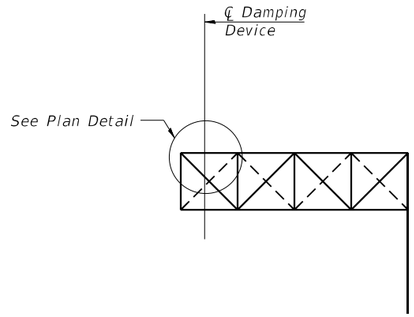
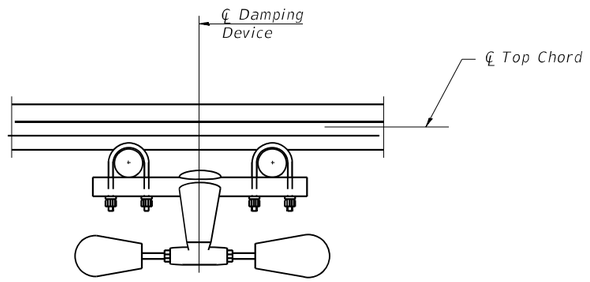


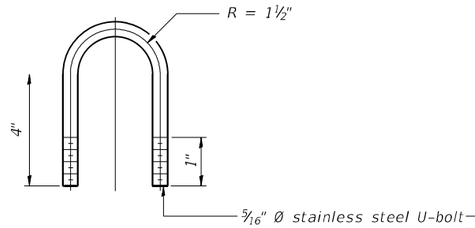
TRUSS DAMPING DEVICE CONNECTION DETAIL



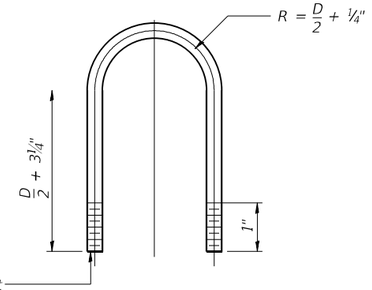
ELEVATION
Aluminum Cantilever Sign Structure



SECTION A-A



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical)

GENERAL NOTES

Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)

Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6

62N39-SHT-STR-DMS-003-DAMP

Bowman 10 S. LaSalle St., Suite 2110 Chicago, Illinois 60603 312-641-0360 www.bowman.com	USER NAME = dofrikhter	DESIGNED - DSO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CANTILEVER SIGN STRUCTURES DAMPING DEVICE
		CHECKED - AJN	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	DRAWN - DSO	REVISED -		SHEET 3 OF 9 SHEETS
	PLOT DATE = 04/23/2025	CHECKED - AJN	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	30	DUPAGE	492	482
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		

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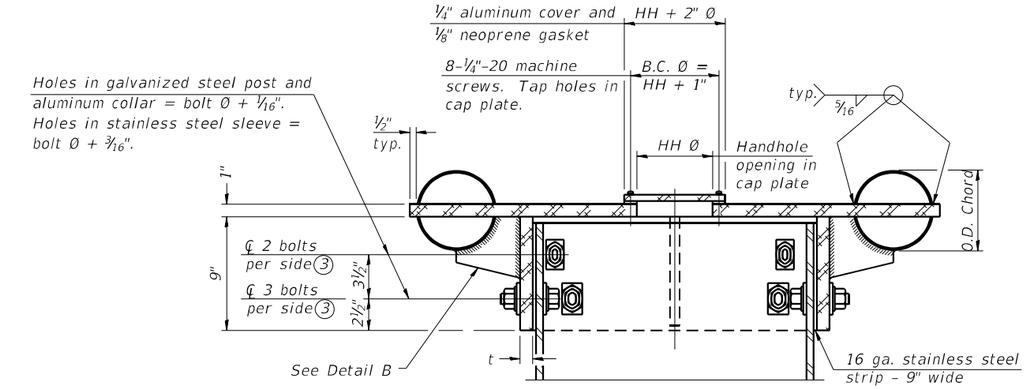
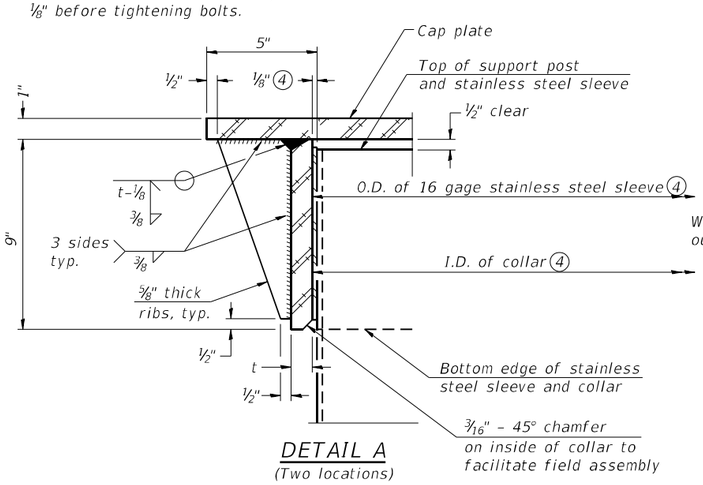


SECTION B-B

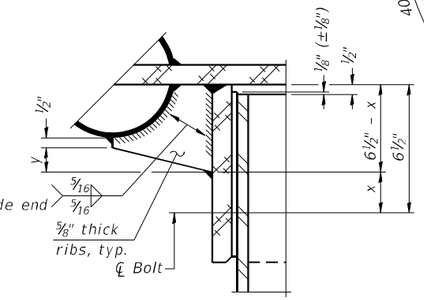
Bolts, washers (including contoured washers), and locknuts shall be stainless steel.

④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus ⅛" (±1/16"). Maximum gap between post and collar at any location equals ⅛" before tightening bolts.



DETAIL A

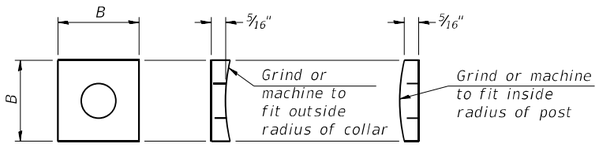
(Two locations)



DETAIL B

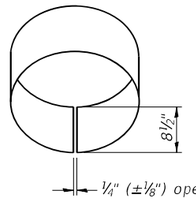
Two locations

(For details not shown, see Detail C)



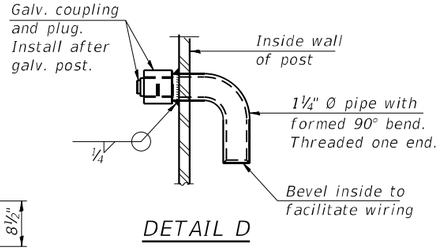
CONTOURED WASHERS

Bolt Size	Contoured Washers	
	Hole Dia.	B
⅞"	1"	2½"
1"	1⅛"	3"
1¼"	1⅜"	3¼"

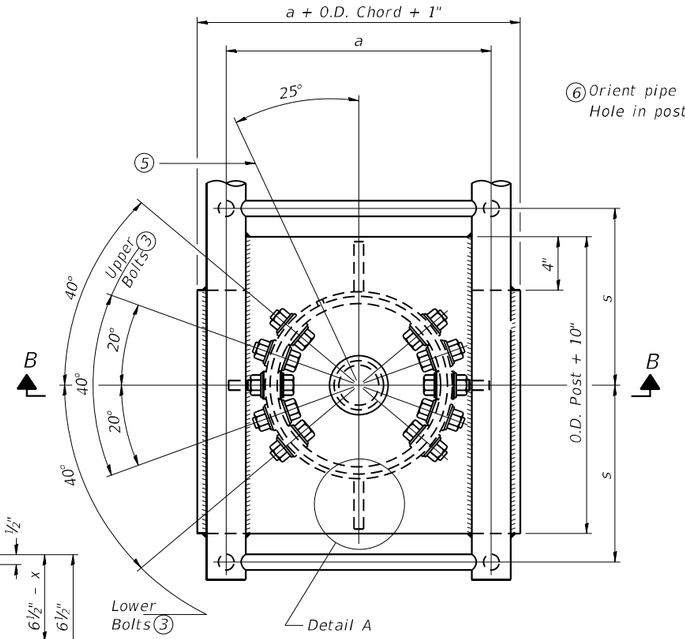


DETAIL OF STAINLESS STEEL SLEEVE

Weld to post after galvanizing.
(Prepare post surface to insure tight, uniform fit and allow welding.)
Welds to be 1½" long at 6" cts. along top edge and at ¼" opening.



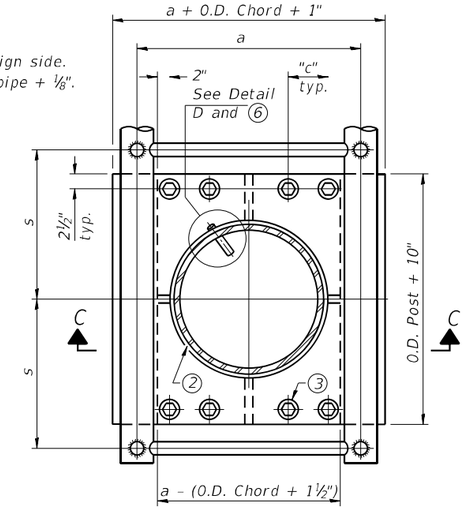
DETAIL D



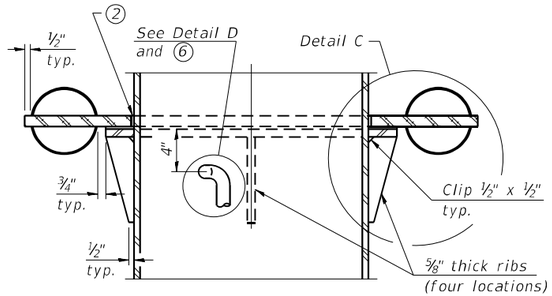
PLAN VIEW - TOP OF COLUMN

⑤ Optional full penetration weld in collar. (Two locations maximum....(180° apart)....X-ray or UT 100%)

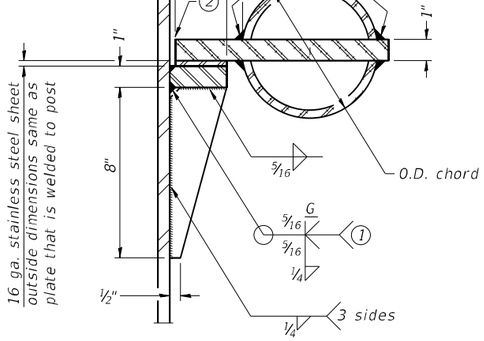
⑥ Orient pipe toward sign side. Hole in post = O.D. pipe + ⅛".



SECTION THRU POST ABOVE LOWER CHORDS



SECTION C-C



DETAIL C

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter ③	Lower Juncture Bolt Spacing Dimension "c" ③	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
III-C-A (35' max.)	24" Ø (125#/')	1¼"	3½"	12"	⅞"	2"	1"

① Grind top if required to fully seat aluminum plate and stainless steel sheet.

② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever.

③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

62N39-SHT-STR-DMS-004-JNCTRDETAIL

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04/23/2025 9:32:13 AM

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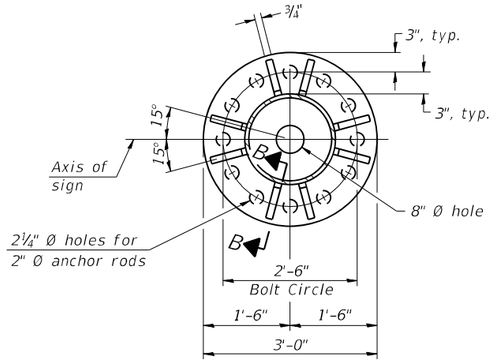
		CHECKED - AJN		REVISED -	
PLOT SCALE = 2:0.0000 ':' / in.		DRAWN - DSO		REVISED -	
PLOT DATE = 04/23/2025		CHECKED - AJN		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

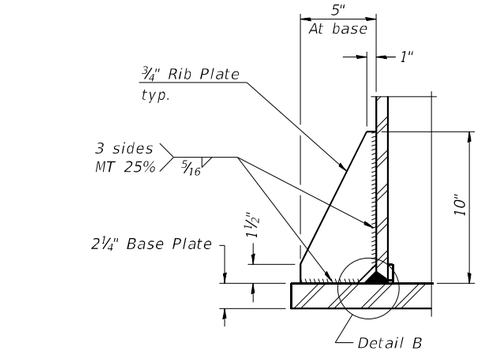
CANTILEVER SIGN STRUCTURES - JUNCTURE DETAILS
ALUMINUM TRUSS & STEEL POST

SHEET 4 OF 9 SHEETS

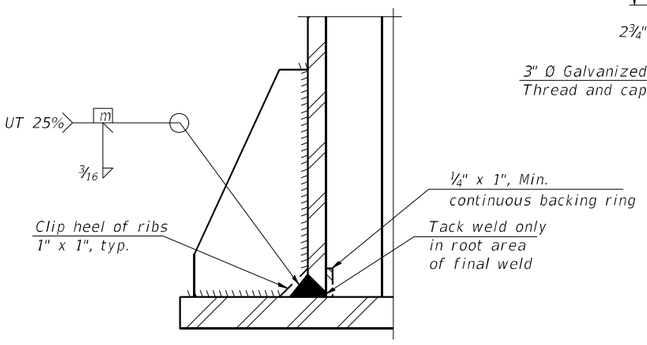
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	30	DUPAGE	492	483
		CONTRACT NO. 62N39		
	ILLINOIS FED. AID PROJECT			



SECTION A-A

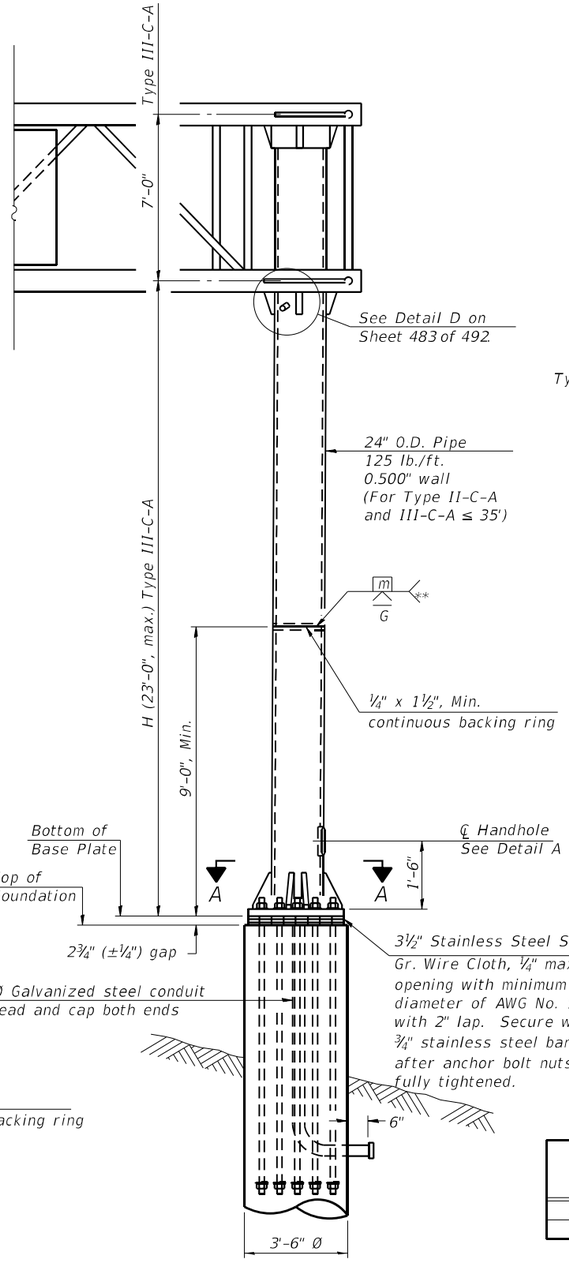


SECTION B-B



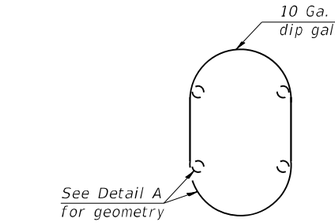
DETAIL B

(Typical rib)

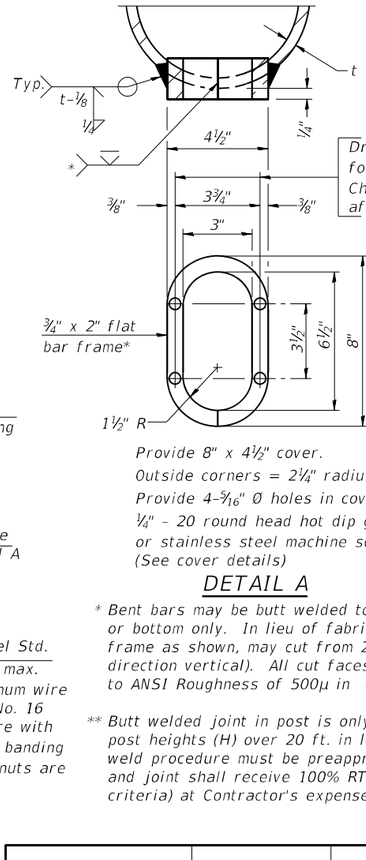


FRONT ELEVATION

For Foundation Details see Sheet 486 of 492.



HANDHOLE COVER



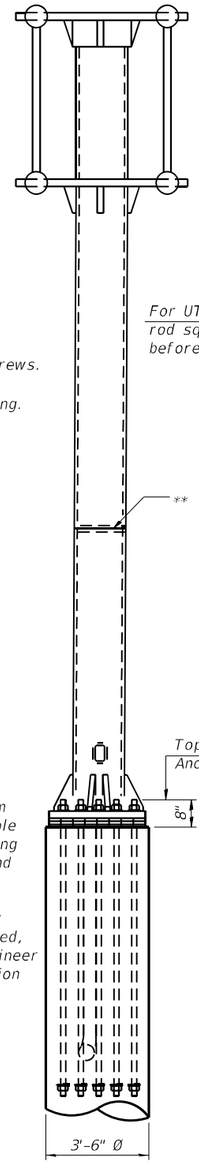
Provide 8" x 4½" cover.
Outside corners = 2¼" radius.
Provide 4-5/16" Ø holes in cover for ¼" - 20 round head hot dip galvanized or stainless steel machine screws.
(See cover details)

DETAIL A

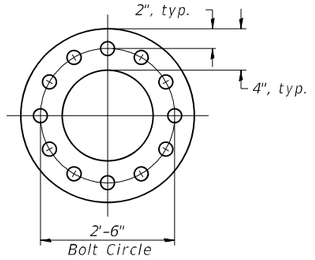
* Bent bars may be butt welded top and bottom or bottom only. In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500µ in or less.

** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

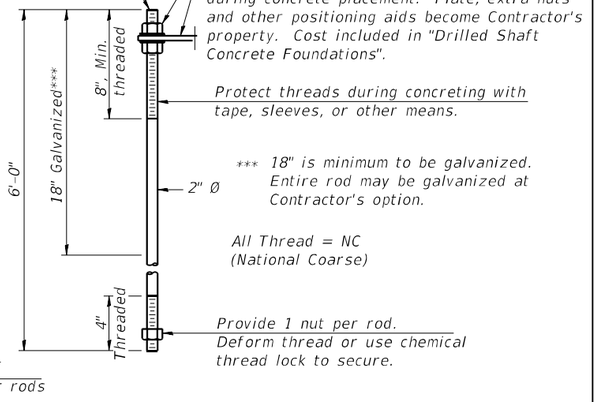
Structure Number	Station	H
1C022L022R038.2	2016+27	19'-6½"
1C016LCRMR040.2	2101+29	19'-6½"



SIDE ELEVATION



SUGGESTED POSITIONING PLATE

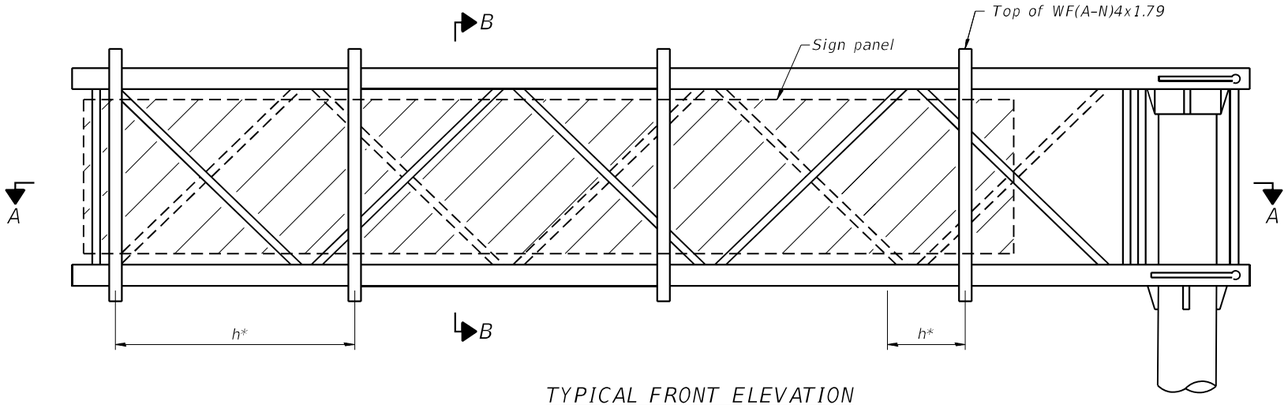


ANCHOR ROD DETAIL

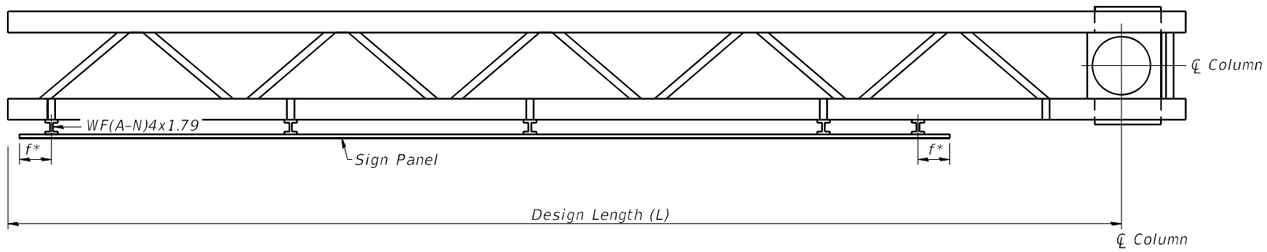
Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18" (minimum***) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

Note: "H" based on 15'-0" or actual sign height, whichever is greater.

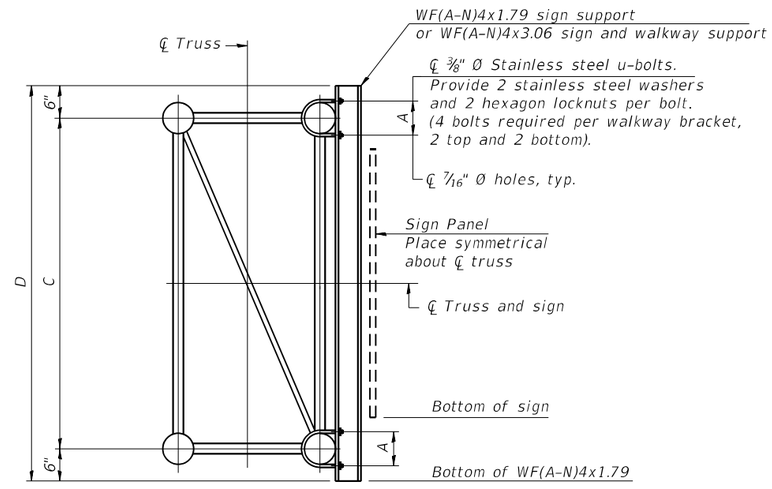
62N39-SHT-STR-DMS-005-TRUSSPOST



TYPICAL FRONT ELEVATION



SECTION A-A



SECTION B-B

Structure Number	Station	A	B	C	D
1C022L022R038.2	2016+27	6⅜"	N/A	7'-0"	8'-0"
1C016LCRMR040.2	2101+29	6⅜"	N/A	7'-0"	8'-0"

Notes:
* Space sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:

f = 12" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
h = 6'-0" maximum (℄ to ℄ sign support brackets, WF(A-N)4x1.79

BRACKET TABLE

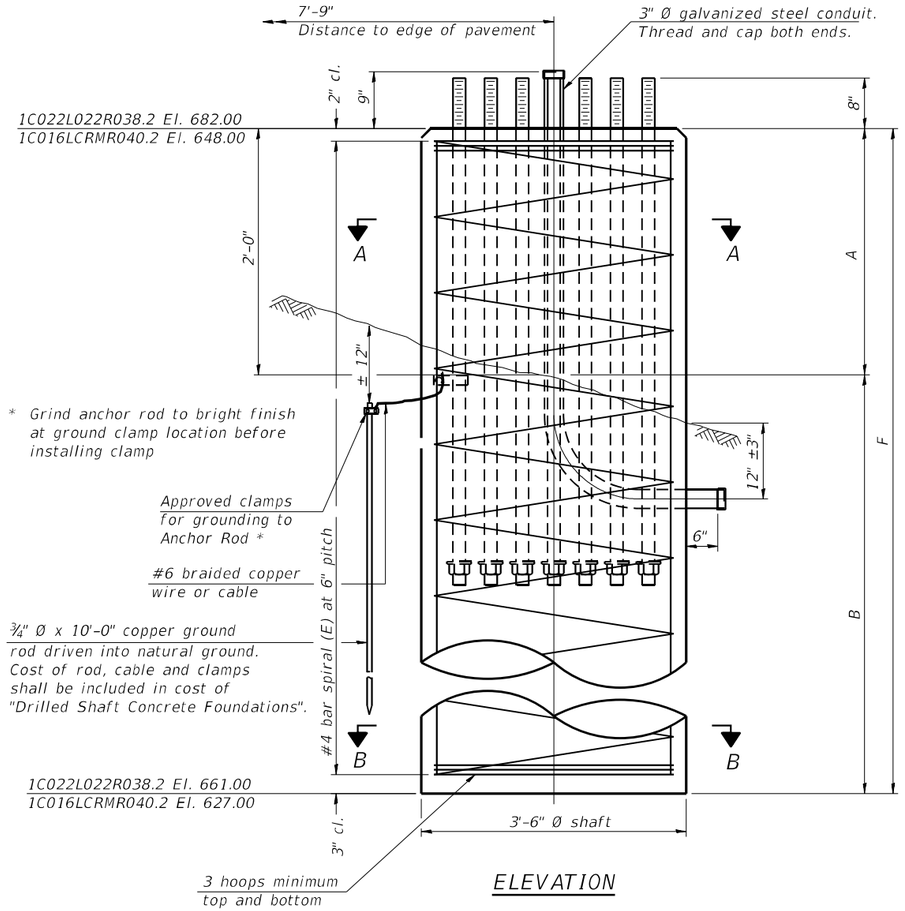
WF(A-N)4x1.79 ASTM B308, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
14'-0"	20'-0"	4

62N39-SHT-STR-DMS-006-SIGNSUPPORT

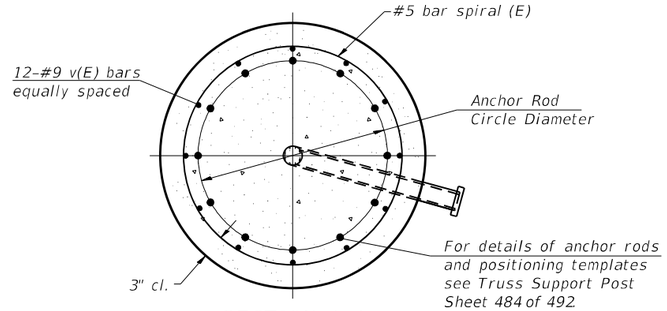
Bowman 10 S. LaSalle St., Suite 2110 Chicago, Illinois 60603 312-346-0360 www.bowman.com	USER NAME = dofrikhter	DESIGNED - DSO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CANTILEVER SIGN STRUCTURES – SIGN SUPPORT ALUMINUM TRUSS & STEEL POST
		CHECKED - AJN	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	DRAWN - DSO	REVISED -		SHEET 6 OF 9 SHEETS
	PLOT DATE = 04/23/2025	CHECKED - AJN	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	30	DUPAGE	492	485
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		

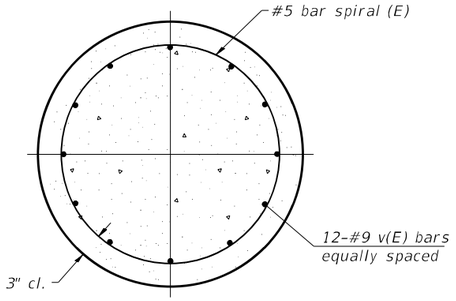
MODEL: Default
FILE NAME: \\il-chic-fs1-vm\new_projects\040058 - IDOT\040058-07-001 (ENG) - PTB 199-016 IL 56\Engineering\500 Drawings\502 CADD Sheets\D162N39-SHT-STR-DMS-006-SIGNSUPPORT.dgn
04/23/2025 9:32:15 AM



ELEVATION



SECTION A-A
3'-6" Ø shaft



SECTION B-B
3'-6" Ø shaft

Truss Type	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft ∅ (ft)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
					No.	∅ (in)	
III-C-A	35	170	3.5	19.0	12	2	30

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	A	B	F	Class DS Concrete Cubic Yards
1C022L022R038.2	2016+27	III-C-A	3'-6"	682.00	661.00	2.4	2'-0"	19'-0"	21'-0"	8
1C016LCRMR040.2	2101+29	III-C-A	3'-6"	648.00	627.00	2.4	2'-0"	19'-0"	21'-0"	8

NOTES:

The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

62N39-SHT-STR-DMS-007-DRILLEDSHAFT

Bowman
10 S. LaSalle St., Suite 2110
Chicago, Illinois 60603
312-499-0360
www.bowman.com

USER NAME = dofrikhter	DESIGNED - DSO	REVISED -	
	CHECKED - AJN	REVISED -	
PLOT SCALE = 2.0000 ' / in.	DRAWN - DSO	REVISED -	
PLOT DATE = 04/23/2025	CHECKED - AJN	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST

SHEET 7 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	30	DUPAGE	492	486
		CONTRACT NO. 62N39		
		ILLINOIS	FED. AID PROJECT	

NASHnal SOIL TESTING

23856 W. Andrew Rd., Unit 103, Plainfield

BOREHOLE LOG

Number B-7

Plate # 3

Client	IDOT
Location	Location 401@ Downers Grove, STA 2016+00-60' RT (41.8473222,-87.9253917)
Job Number	2022-1264-01T (D-91-078-21)
Drill Rig Type	Geoprobe 7822 DT
Sampler Type	Split Spoon (SS)
Boring Location	See Plate 2-Offset 10' N, 5, E
Boring Elevation (ft)	691.00 **Date:** 3/27/2023

Sample # /RUN #	Sampling Method	Rimac Qu (tsf)	Sample Recovery (in)/%	Moisture Content (%)	SPT Values (Blows/6 in)	Depth (ft)	Sample Depth	Graphic	Soil Description	Elevation (ft)
						0.5		AS	**6 Inches of Asphalt**	690.50
						1.0		CONC	**6 Inches of Concrete**	690.00
						1.5			**Brown Lean Clay Fill (A-6 FILL)**	689.50
1	SS	4.50	6	11.2	9,6,6	2.0			Trace Sand and Crushed Concrete	689.00
						2.5		A-6 FILL	Hard	688.50
						3.0				688.00
						3.5				687.50
						4.0			**Brown and Gray Mottled Lean Clay (A-6L)**	687.00
2	SS	3.09	10	21.3	3,3,6	4.5			Trace Sand and Gravel, Very Stiff	686.50
						5.0			**Unit Weight 112.2 pcf**	686.00
						5.5				685.50
						6.0				684.50
						6.5				#REF!
3	SS	7.01	14	17.2	7,10,14	7.0			Hard	684.00
						7.5		A-6	**Unit Weight 114.0 pcf**	683.50
						8.0				683.00
						8.5				682.50
						9.0				682.00
4	SS	5.98	20	17.8	6,8,11	9.5			Hard	681.50
						10.0			**Unit Weight 111.9 pcf**	681.00
						10.5				680.50
						11.0				680.00
						11.5				679.50
5	SS	4.33	14	17.6	4,5,8	12.0			**Gray Lean Clay (A-6)**	679.00
						12.5			Trace Sand and Gravel, Hard	678.50
						13.0			**Unit Weight 122.8 pcf**	678.00
						13.5				677.50
						14.0				677.00
6	SS	3.30	14	18.6	3,4,7	14.5			Very Stiff	676.50
						15.0			**Unit Weight 116.9 pcf**	676.00
						15.5				675.50
						16.0				675.00
						16.5				674.50
7	SS	2.68	20	19.0	3,4,6	17.0			Very Stiff	674.00
						17.5			**Unit Weight 119.2 pcf**	673.50
						18.0				673.00
						18.5				672.50
						19.0				672.00
8	SS	2.06	12	17.7	3,4,6	19.5			Very Stiff	671.50
						20.0			**Unit Weight 120.0 pcf**	671.00
						20.5				670.50
						21.0		A-6		670.00
						21.5				669.50
9	SS	2.68	22	19.8	3,5,6	22.0			Very Stiff	669.00
						22.5			**Unit Weight 118.7 pcf**	668.50
						23.0				668.00
						23.5				667.50
						24.0				667.00
10	SS	1.00	5	23.6	3,5,6	24.5			**Gray Lean Clay (CL)**	666.50
						25.0			Trace Sand and Gravel, Stiff , Wet	666.00
						25.5			**Unit Weight 115.5 pcf**	665.50
						26.0				665.00
						26.5				664.50
11	SS	2.89	22	21.0	3,4,6	27.0			Very Stiff	664.00
						27.5			**Unit Weight 111.7 pcf**	663.50
						28.0				663.00
						28.5				662.50
						29.0				662.00
12	SS	3.09	20	20.8	3,4,6	29.5			Very Stiff	661.50
						30.0			**Unit Weight 114.7 pcf**	661.00

End of Boring 60'
Water Level While Drilling : Dry
Water Level After Drilling : Dry
Cave In Depth : None
Note: Soil group symbol and group name are determined based on visual classification. Plasticity index and liquid limit were estimated using ASTM D2488 due to insufficient material availability

NASHnal SOIL TESTING

23856 W. Andrew Rd., Unit 103, Plainfield

BOREHOLE LOG

Number B-7

Plate # 4

Client	IDOT
Location	Location 401@ Downers Grove, STA 2016+00-60' RT (41.8473222,-87.9253917)
Job Number	2022-1264-01T (D-91-078-21)
Drill Rig Type	Geoprobe 7822 DT
Sampler Type	Split Spoon (SS)
Boring Location	See Plate 2-Offset 10'N 5' E
Boring Elevation (ft)	691.00 **Date:** 9/9/2022

Sample # /RUN #	Sampling Method	Rimac Qu (tsf)	Sample Recovery (in)/%	Moisture Content (%)	SPT Values (Blows/6 in)	Depth (ft)	Sample Depth	Graphic	Soil Description	Elevation (ft)
						30.5				660.50
						31.0				660.00
						31.5				659.50
						32.0				659.00
						32.5				658.50
						33.0				658.00
						33.5				657.50
						34.0				657.00
13	SS	3.09	14	18.9	4,5,7	34.5			**Gray Lean Clay (A-6)**	656.50
						35.0			Trace Sand and Gravel, Very Stiff	656.00
						35.5			**Unit Weight 112.9 pcf**	655.50
						36.0				655.00
						36.5				654.50
						37.0				654.00
						37.5				653.50
						38.0				653.00
						38.5				652.50
14	SS	3.09	14	20.1	4,6,6	39.0				652.00
						39.5		A-6	Very Stiff	651.50
						40.0			**Unit Weight 115.3 pcf**	651.00
						40.5				650.50
						41.0				650.00
						41.5				649.50
						42.0				649.00
						42.5				648.50
						43.0				648.00
						43.5				647.50
						44.0				647.00
15	SS	2.50	8	9.5	4,6,6	44.5			Very Stiff	646.50
						45.0			**Unit Weight 117.6 pcf**	646.00
						45.5				645.50
						46.0				645.00
						46.5				644.50
						47.0				644.00
						47.5				643.50
						48.0				643.00
						48.5				642.50
						49.0				642.00
16	SS	N/A	10	14.0	11,12,16	49.5			**Crushed Gravel (A-1-b)**	641.50
						50.0			No Recovery	641.00
						50.5			Medium Dense	640.50
						51.0		A-1-a		640.00
						51.5				639.50
						52.0				639.00
						52.5				638.50
						53.0				638.00
						53.5				637.50
						54.0				637.00
17	SS	N/A	14	18.7	18,20,21	54.5			**Gray Sand (A-3)**	636.50
						55.0			Trace Silt, Dense	636.00
						55.5				635.50
						56.0				635.00
						56.5		A-3		634.50
						57.0				634.00
						57.5				633.50
						58.0				633.00
						58.5				632.50
						59.0				632.00
18	SS	N/A	6	11.8	30,16,17	59.5			Dense	631.50
						60.0				631.00

End of Boring 60'
Water Level While Drilling : Dry
Water Level After Drilling : Dry
Cave In Depth : None
Note: Soil group symbol and group name are determined based on visual classification. Plasticity index and liquid limit were estimated using ASTM D2488 due to insufficient material availability

62N39-SHT-STR-DMS-008-B0R-1

Bowman 10 S. LaSalle St., Suite 2110 Chicago, Illinois 60603 312-494-2360 www.bowman.com

USER NAME = dofrikhter	DESIGNED - DSO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CANTILEVER SIGN STRUCTURES BORING LOGS	
	CHECKED - AJN	REVISED -			
PLOT SCALE = 2.0000 ' / in.	DRAWN - DSO	REVISED -			
PLOT DATE = 04/23/2025	CHECKED - AJN	REVISED -		SHEET 8 OF 9 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	30	DUPAGE	492	487
		CONTRACT NO. 62N39		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: \\Ilchic-fs1-vm\new_projects\040058 - IDOT\040058-07-001 (ENG) - PTB 199-016 IL 56\Engineering\500 Drawings\502 CADD Sheets\D162N39-SHT-STR-DMS-008-B0R-1.dgn

04/23/2025 9:32:18 AM

NASHnal SOIL TESTING

23856 W. Andrew Rd., Unit 103, Plainfield

BOREHOLE LOG

Number B-8

Plate # 5

Client	IDOT
Location	Location 402@ Hillside, STA 2102+56-32' LT (41.8484333, -87.8936861)
Job Number	2022-1264-01T (D-91-078-21)
Drill Rig Type	Geoprobe 7822 DT
Sampler Type	Split Spoon (SS)
Boring Location	See Plate 2-Offset 10' South
Boring Elevation (ft)	639.00 **Date:** 3/28/2023

Sample # /RUN #	Sampling Method	Rimac Qu (tsf)	Sample Recovery (in)/%	Moisture Content (%)	SPT Values (Blows/6 in)	Depth (ft)	Sample Depth	Graphic	Soil Description	Elevation (ft)
						0.5		AS	**6 Inches of Asphalt**	638.50
						1.0		CONC	**6 Inches of Concrete**	638.00
						1.5				637.50
1	SS	2.00	4	23.9	2,2,2	2.0		A-6 FILL	**Dark Brown Lean Clay Topsoil FILL (A-6-I**	637.00
						2.5			Trace Sand and Gravel	636.50
						3.0			Very Stiff	636.00
						3.5				635.50
						4.0				635.00
2	SS	0.25	12	27.1	1,1,2	4.5		A-5	**Brown and Gray mottled Lean Clay(A-6)**	634.50
						5.0			with Clay, Soft	634.00
						5.5			**Unit Weight 96.2 pcf**	633.50
						6.0			**WL-WD**	633.00
						6.5				632.50
3	SS	3.51	14	22.5	4,6,6	7.0		A6	**Brown Lean Clay (A-6)**	632.00
						7.5			Trace Sand and Gravel, Very Stiff	631.50
						8.0			**Unit Weight 109.3 pcf**	631.00
						8.5				630.50
						9.0				630.00
4	SS	7.01	20	19.3	5,7,11	9.5		A-6	**Brown and Gray Lean Clay (A-6)**	629.50
						10.0			Trace Sand and Gravel, Hard	629.00
						10.5			**Unit Weight 106.2 pcf**	628.50
						11.0				628.00
						11.5			**Gray Lean Clay (A-6)**	627.50
5	SS	0.25	4	26.1	5,5,6	12.0			Trace Sand and Gravel , Soft	627.00
						12.5			Wet	626.50
						13.0				626.00
						13.5				625.50
						14.0				625.00
6	SS	4.12	20	16.6	4,6,8	14.5			Hard	624.50
						15.0			**Unit Weight 120.1 pcf**	624.00
						15.5				623.50
						16.0				623.00
						16.5				622.50
7	SS	2.89	12	13.0	2,6,6	17.0			Hard	622.00
						17.5		A-6	**Unit Weight 123.4 pcf**	621.50
						18.0				621.00
						18.5				620.50
						19.0				620.00
8	SS	2.50	12	13.9	3,6,8	19.5			Very Stiff	619.50
						20.0			**Unit Weight 133.0 pcf**	619.00
						20.5				618.50
						21.0				618.00
						21.5				617.50
9	SS	6.60	10	17.3	8,9,14	22.0			Hard	617.00
						22.5			**Unit Weight 119.1 pcf**	616.50
						23.0				616.00
						23.5				615.50
						24.0				615.00
10	SS	N/A	2	23.3	9,12,38	24.5			**Gray Sandy Gravel (A-1-a)**	614.50
						25.0			Trace Clay	614.00
						25.5			Wet, Very Dense	613.50
						26.0				613.00
						26.5				612.50
11	SS	N/A	2	26.5	9,10,15	27.0		A-1-a		612.00
						27.5			Saturated	611.50
						28.0			Medium Dense	611.00
						28.5				610.50
						29.0				610.00
12	SS	N/A	3	25	11,20,17	29.5			Wet	609.50
						30.0			Dense	609.00

End of Boring 60'
Water Level While Drilling : 6'
Water Level After Drilling : Dry
Cave In Depth : None
Note: Soil group symbol and group name are determined based on visual classification. Plasticity index and liquid limit were estimated using ASTM D2488 due to insufficient material availability

NASHnal SOIL TESTING

23856 W. Andrew Rd., Unit 103, Plainfield

BOREHOLE LOG

Number B-8

Plate # 6

Client	IDOT
Location	Location 402@ Hillside, STA 2102+56-32' LT (41.8484333, -87.8936861)
Job Number	2022-1264-01T (D-91-078-21)
Drill Rig Type	Geoprobe 7822 DT
Sampler Type	Split Spoon (SS)
Boring Location	See Plate 2-Offset 10' South
Boring Elevation (ft)	639.00 **Date:** 3/28/2023

Sample # /RUN #	Sampling Method	Rimac Qu (tsf)	Sample Recovery (in)/%	Moisture Content (%)	SPT Values (Blows/6 in)	Depth (ft)	Sample Depth	Graphic	Soil Description	Elevation (ft)
						30.5			**Gray Sandy Gravel (A-1-a)**	608.50
						31.0			Wet	608.00
						31.5				607.50
						32.0		A-1-a		607.00
						32.5				606.50
						33.0				606.00
						33.5				605.50
						34.0				605.00
13	SS	3.92	14	20.1	8,7,7	34.5			**Gray Lean Clay (A-6)**	604.50
						35.0			Trace Sand and Gravel, Very Stiff	604.00
						35.5			**Unit Weight 114.6 pcf**	603.50
						36.0				603.00
						36.5				602.50
						37.0				602.00
						37.5				601.50
						38.0				601.00
						38.5				600.50
14	SS	5.36	20	17.2	4,7,11	39.0				600.00
						39.5			**Gray LeanClay (A-6)**	599.50
						40.0			Trace Clay, Hard	599.00
						40.5			Wet	598.50
						41.0				598.00
						41.5				597.50
						42.0		A-6		597.00
						42.5				596.50
						43.0				596.00
						43.5				595.50
						44.0				595.00
15	SS	4.25	24	14.8	7,6,17	44.5			Hard	594.50
						45.0				594.00
						45.5				593.50
						46.0				593.00
						46.5				592.50
						47.0				592.00
						47.5				591.50
						48.0				591.00
						48.5				590.50
						49.0				590.00
16	SS	N/A	21	N/A	50+	49.5			**Gray Gravelly Sand (A-1-b)**	589.50
						50.0			Extreamly Dense	589.00
						50.5			Wet	588.50
						51.0				588.00
						51.5				587.50
						52.0				587.00
						52.5				586.50
						53.0				586.00
						53.5				585.50
						54.0				585.00
17	SS	N/A	12	N/A	32,14,42	54.5		A-1-b	Extreamly Dense	584.50
						55.0			Wet	584.00
						55.5				583.50
						56.0				583.00
						56.5				582.50
						57.0				582.00
						57.5				581.50
						58.0				581.00
						58.5				580.50
						59.0				580.00
18	SS	N/A	2	N/A	50+	59.5			Extreamly Dense	579.50
						60.0			Wet	579.00

End of Boring 60'
Water Level While Drilling : 6'
Water Level After Drilling : Dry
Cave In Depth : None
Note: Soil group symbol and group name are determined based on visual classification. Plasticity index and liquid limit were estimated using ASTM D2488 due to insufficient material availability

62N39-SHT-STR-DMS-009-B0R-2

Bowman 10 S. LaSalle St., Suite 2110 Chicago, Illinois 60603 312-494-0360 www.bowman.com	USER NAME = dofrikhter	DESIGNED - DSO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - AJN	REVISED -	
	PLOT SCALE = 2.0000 ' / in.	DRAWN - DSO	REVISED -	
	PLOT DATE = 04/23/2025	CHECKED - AJN	REVISED -	

CANTILEVER SIGN STRUCTURES
BORING LOGS
SHEET 9 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	30	DUPAGE	492	488
		CONTRACT NO. 62N39		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: \\fl-chic-fs1-v\mtnew_projects\040058 - IDOT\040058-07-001 (ENG) - PTB 199-016 IL 56\Engineering\500 Drawings\502 CADD Sheets\D162N39-SHT-STR-DMS-009-B0R-2.dgn
04/23/2025 9:32:22 AM

NST NASHnal SOIL TESTING

23856 W. Andrew Rd., Unit 103, Plainfield

BOREHOLE LOG

Number B-8

Plate # 5

Client	IDOT
Location	Location 402@ Hillside, STA 2102+56-32' LT (41.8484333, -87.8936861)
Job Number	2022-1264-01T (D-91-078-21)
Drill Rig Type	Geoprobe 7822 DT
Sampler Type	Split Spoon (SS)
Boring Location	See Plate 2-Offset 10' South
Boring Elevation (ft)	639.00 **Date:** 3/28/2023

Sample # /RUN #	Sampling Method	Rimac Qu (tsf)	Sample Recovery (in)/%	Moisture Content (%)	SPT Values (Blows/6 in)	Depth (ft)	Sample Depth	Graphic	Soil Description	Elevation (ft)
						0.5		AS	**6 Inches of Asphalt**	638.50
						1.0		CONC	**6 Inches of Concrete**	638.00
						1.5				637.50
1	SS	2.00	4	23.9	2,2,2	2.0		A-6 FILL	**Dark Brown Lean Clay Topsoil FILL (A-6-I**	637.00
						2.5			Trace Sand and Gravel	636.50
						3.0			Very Stiff	636.00
						3.5				635.50
						4.0				635.00
2	SS	0.25	12	27.1	1,1,2	4.5		A-5	**Brown and Gray mottled Lean Clay(A-6)**	634.50
						5.0			with Clay, Soft	634.00
						5.5			**Unit Weight 96.2 pcf**	633.50
						6.0			**WL-WD**	633.00
						6.5				632.50
3	SS	3.51	14	22.5	4,6,6	7.0		A6	**Brown Lean Clay (A-6)**	632.00
						7.5			Trace Sand and Gravel, Very Stiff	631.50
						8.0			**Unit Weight 109.3 pcf**	631.00
						8.5				630.50
						9.0				630.00
4	SS	7.01	20	19.3	5,7,11	9.5		A-6	**Brown and Gray Lean Clay (A-6)**	629.50
						10.0			Trace Sand and Gravel, Hard	629.00
						10.5			**Unit Weight 106.2 pcf**	628.50
						11.0				628.00
						11.5			**Gray Lean Clay (A-6)**	627.50
5	SS	0.25	4	26.1	5,5,6	12.0			Trace Sand and Gravel , Soft	627.00
						12.5			Wet	626.50
						13.0				626.00
						13.5				625.50
						14.0				625.00
6	SS	4.12	20	16.6	4,6,8	14.5			Hard	624.50
						15.0			**Unit Weight 120.1 pcf**	624.00
						15.5				623.50
						16.0				623.00
						16.5				622.50
7	SS	2.89	12	13.0	2,6,6	17.0			Hard	622.00
						17.5		A-6	**Unit Weight 123.4 pcf**	621.50
						18.0				621.00
						18.5				620.50
						19.0				620.00
8	SS	2.50	12	13.9	3,6,8	19.5			Very Stiff	619.50
						20.0			**Unit Weight 133.0 pcf**	619.00
						20.5				618.50
						21.0				618.00
						21.5				617.50
9	SS	6.60	10	17.3	8,9,14	22.0			Hard	617.00
						22.5			**Unit Weight 119.1 pcf**	616.50
						23.0				616.00
						23.5				615.50
						24.0				615.00
10	SS	N/A	2	23.3	9,12,38	24.5			**Gray Sandy Gravel (A-1-a)**	614.50
						25.0			Trace Clay	614.00
						25.5			Wet, Very Dense	613.50
						26.0				613.00
						26.5				612.50
11	SS	N/A	2	26.5	9,10,15	27.0		A-1-a		612.00
						27.5			Saturated	611.50
						28.0			Medium Dense	611.00
						28.5				610.50
						29.0				610.00
12	SS	N/A	3	25	11,20,17	29.5			Wet	609.50
						30.0			Dense	609.00

End of Boring 60'
Water Level While Drilling : 6'
Water Level After Drilling : Dry
Cave In Depth : None
Note: Soil group symbol and group name are determined based on visual classification. Plasticity index and liquid limit were estimated using ASTM D2488 due to insufficient material availability

NST NASHnal SOIL TESTING

23856 W. Andrew Rd., Unit 103, Plainfield

BOREHOLE LOG

Number B-8

Plate # 6

Client	IDOT
Location	Location 402@ Hillside, STA 2102+56-32' LT (41.8484333, -87.8936861)
Job Number	2022-1264-01T (D-91-078-21)
Drill Rig Type	Geoprobe 7822 DT
Sampler Type	Split Spoon (SS)
Boring Location	See Plate 2-Offset 10' South
Boring Elevation (ft)	639.00 **Date:** 3/28/2023

Sample # /RUN #	Sampling Method	Rimac Qu (tsf)	Sample Recovery (in)/%	Moisture Content (%)	SPT Values (Blows/6 in)	Depth (ft)	Sample Depth	Graphic	Soil Description	Elevation (ft)
						30.5			**Gray Sandy Gravel (A-1-a)**	608.50
						31.0		A-1-a	Wet	608.00
						31.5				607.50
						32.0				607.00
						32.5				606.50
						33.0				606.00
						33.5				605.50
						34.0				605.00
13	SS	3.92	14	20.1	8,7,7	34.5			**Gray Lean Clay (A-6)**	604.50
						35.0			Trace Sand and Gravel, Very Stiff	604.00
						35.5			**Unit Weight 114.6 pcf**	603.50
						36.0				603.00
						36.5				602.50
						37.0				602.00
						37.5				601.50
						38.0				601.00
						38.5				600.50
14	SS	5.36	20	17.2	4,7,11	39.0				600.00
						39.5			**Gray LeanClay (A-6)**	599.50
						40.0			Trace Clay, Hard	599.00
						40.5			Wet	598.50
						41.0		A-6		598.00
						41.5				597.50
						42.0				597.00
						42.5				596.50
						43.0				596.00
						43.5				595.50
						44.0				595.00
15	SS	4.25	24	14.8	7,6,17	44.5			Hard	594.50
						45.0				594.00
						45.5				593.50
						46.0				593.00
						46.5				592.50
						47.0				592.00
						47.5				591.50
						48.0				591.00
						48.5				590.50
						49.0				590.00
16	SS	N/A	21	N/A	50+	49.5			**Gray Gravelly Sand (A-1-b)**	589.50
						50.0			Extreamly Dense	589.00
						50.5			Wet	588.50
						51.0				588.00
						51.5				587.50
						52.0				587.00
						52.5				586.50
						53.0				586.00
						53.5				585.50
						54.0				585.00
17	SS	N/A	12	N/A	32,14,42	54.5		A-1-b	Extreamly Dense	584.50
						55.0			Wet	584.00
						55.5				583.50
						56.0				583.00
						56.5				582.50
						57.0				582.00
						57.5				581.50
						58.0				581.00
						58.5				580.50
						59.0				580.00
18	SS	N/A	2	N/A	50+	59.5			Extreamly Dense	579.50
						60.0			Wet	579.00

End of Boring 60'
Water Level While Drilling : 6'
Water Level After Drilling : Dry
Cave In Depth : None
Note: Soil group symbol and group name are determined based on visual classification. Plasticity index and liquid limit were estimated using ASTM D2488 due to insufficient material availability

62N39-SHT-STR-DMS-009-B0R-2

Bowman 10 S. LaSalle St., Suite 2110 Chicago, Illinois 60603 312-494-0360 www.bowmanep.com	USER NAME = dofrikhter	DESIGNED - DSO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - AJN	REVISED -	
	PLOT SCALE = 2.0000 ' / in.	DRAWN - DSO	REVISED -	
	PLOT DATE = 03/20/2025	CHECKED - AJN	REVISED -	

CANTILEVER SIGN STRUCTURES
BORING LOGS
SHEET 9 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	30	DUPAGE	492	488
		CONTRACT NO. 62N39		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\fl-chic-fs1-v\mtnew_projects\040058 - IDOT\040058-07-001 (ENG) - PTB 199-016 IL 56\Engineering\500 Drawings\502 CADD Sheets\D162N39-SHT-STR-DMS-009-B0R-2.dgn
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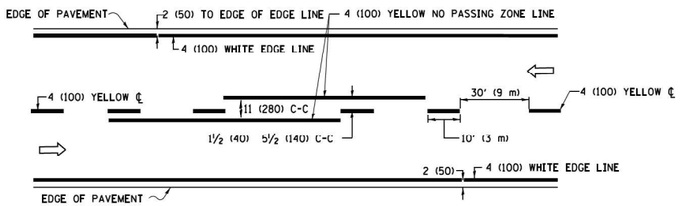
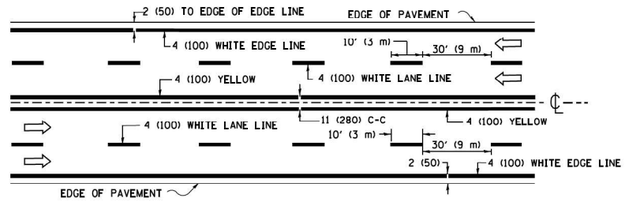
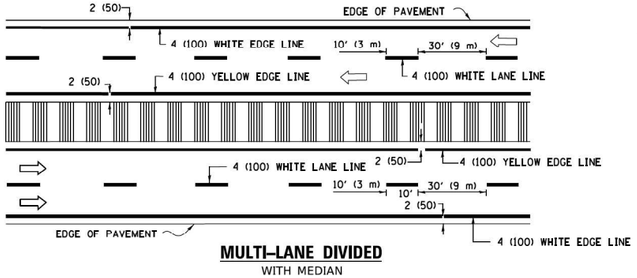


2–LANE ROADWAY

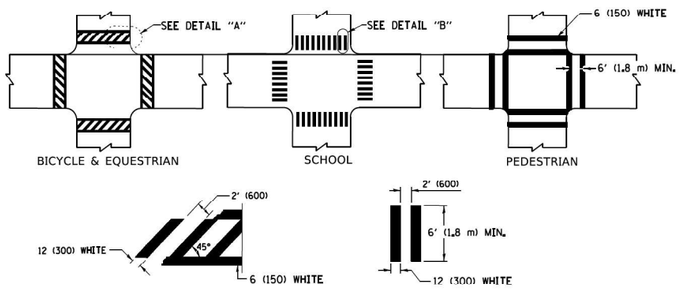


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

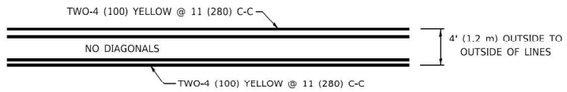
TYPICAL LANE AND EDGE LINE MARKING



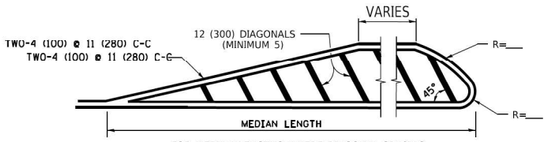
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



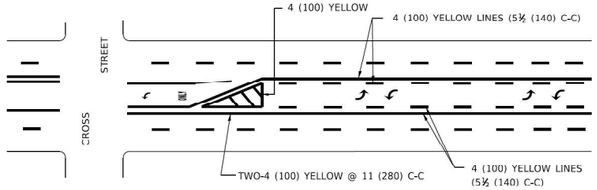
4' (1.2 m) WIDE MEDIANS ONLY



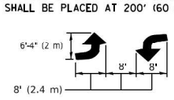
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

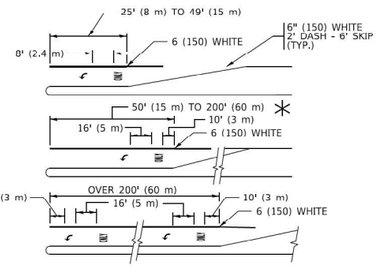


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

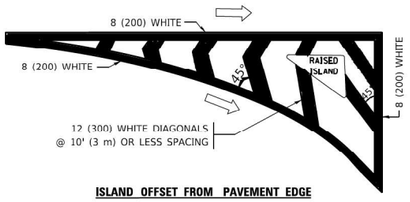


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

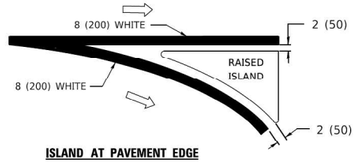
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

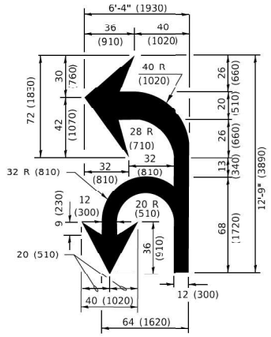


ISLAND OFFSET FROM PAVEMENT EDGE

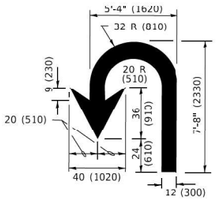


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

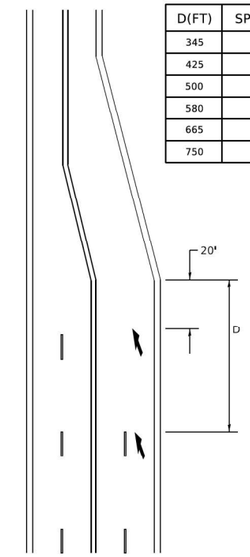


COMBINATION LEFT AND U–TURN



U–TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55



LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP DASH; 5½ (140) C C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m² EACH "X"=54.0 SQ. FT. (5.0 m²
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default
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USER NAME = footemj	DESIGNED - EVERS	REVISED -	C. JUCIUS 09-09-09
	DRAWN -	REVISED -	C. JUCIUS 07-01-13
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED -	C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			492	490
	TC–13		CONTRACT NO. 62N39	
		ILLINOIS	FED. AID PROJECT	

tc13.dgn 3/4/2019 10:34:37 AM User=footemj

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

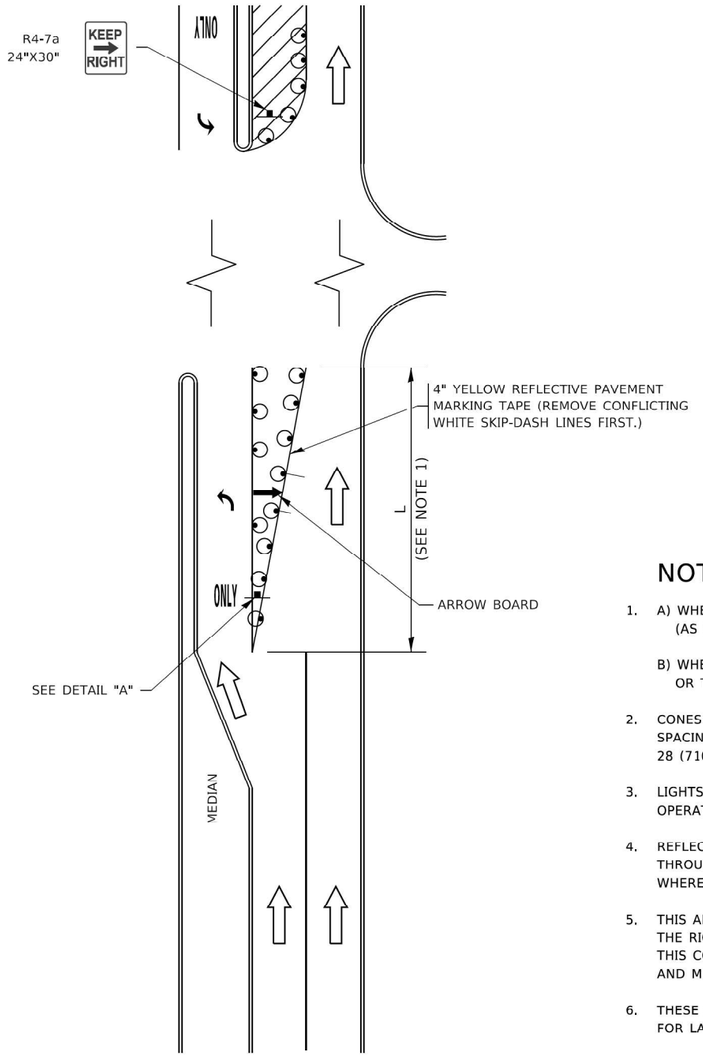
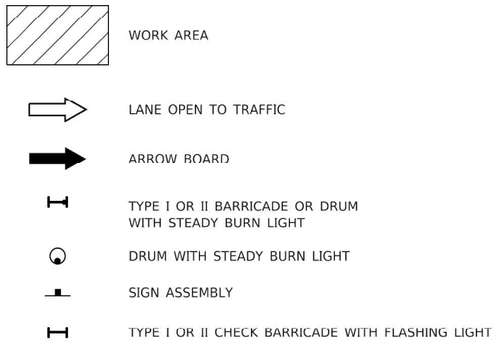


FIGURE 1

LEGEND



NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. 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.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

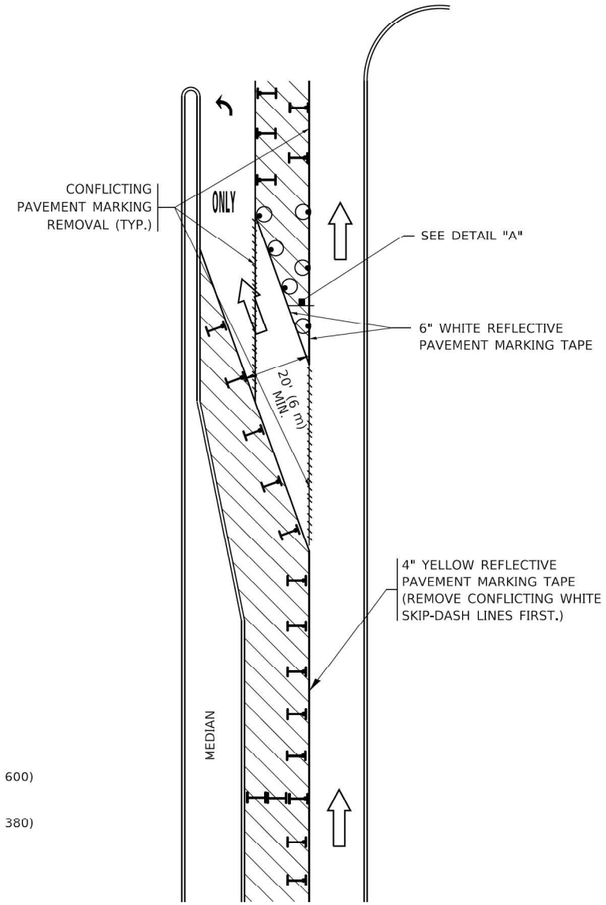
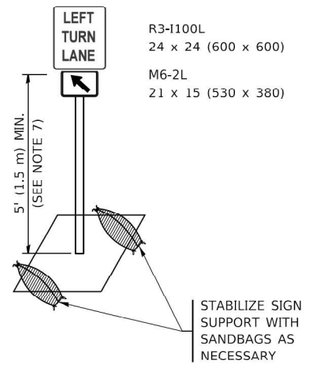


FIGURE 2



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -	

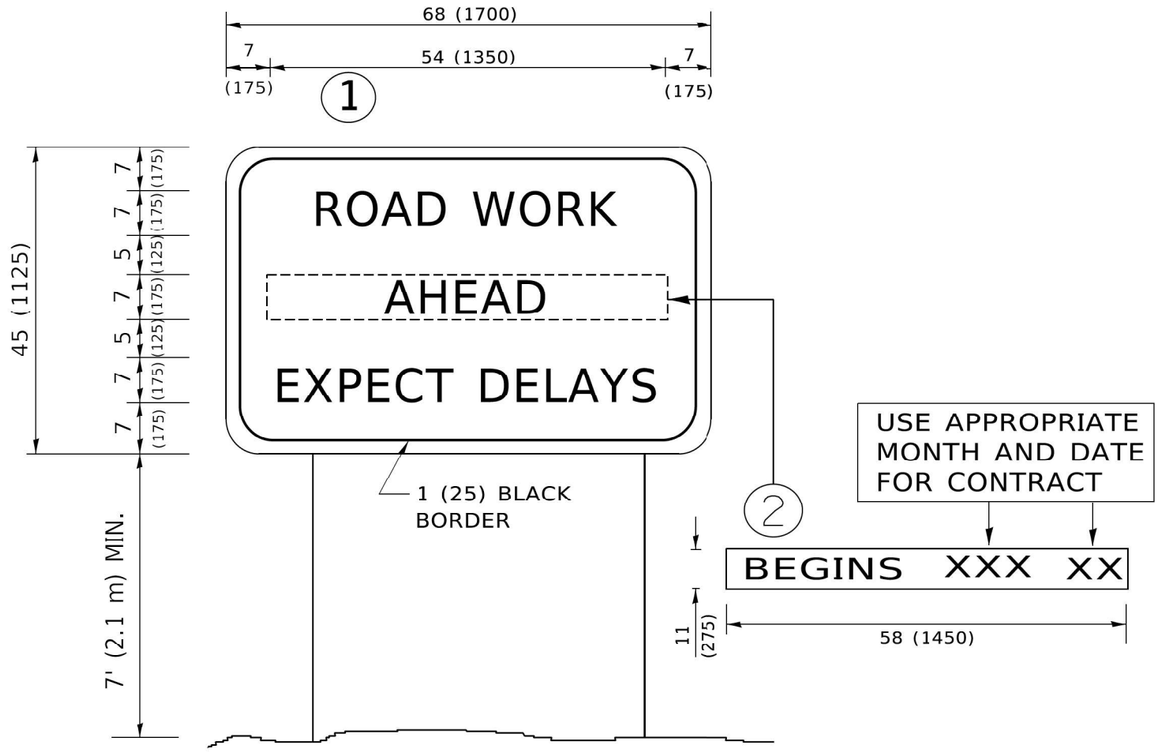
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			492	491
	TC-14		CONTRACT NO. 62N39	
		ILLINOIS	FED. AID PROJECT	

tc14.dgn 3/4/2019 10:36:01 AM User=footemj



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.

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	DRAWN -	REVISED -	R. MIRS 12-11-97
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			492	492
	TC-22		CONTRACT NO. 62N39	
		ILLINOIS	FED. AID PROJECT	

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tc22.dgn 3/4/2019 10:48:10 AM User=footemi