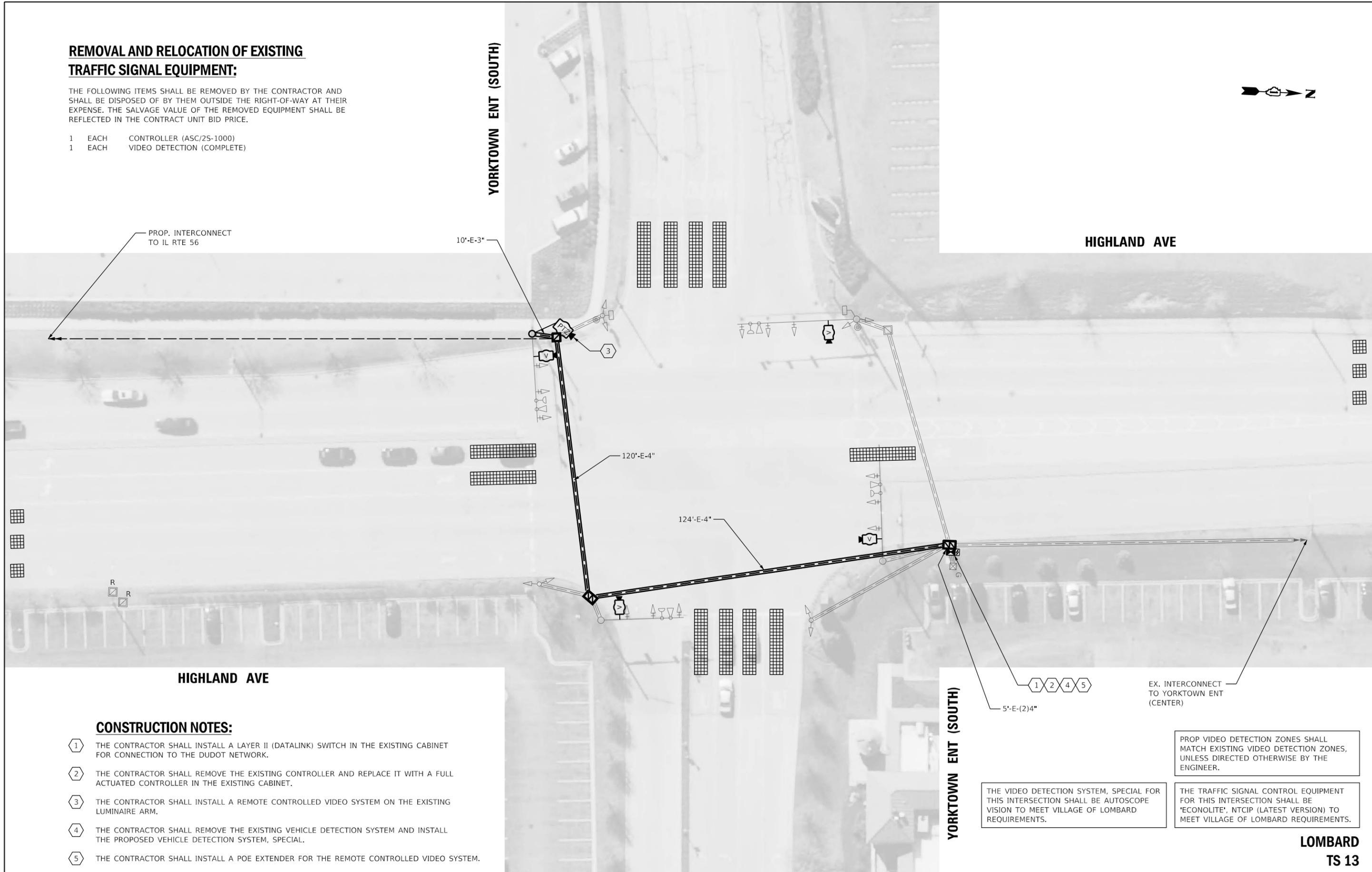


REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/25-1000)
- 1 EACH VIDEO DETECTION (COMPLETE)



- ① THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE EXISTING CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- ③ THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- ④ THE CONTRACTOR SHALL REMOVE THE EXISTING VEHICLE DETECTION SYSTEM AND INSTALL THE PROPOSED VEHICLE DETECTION SYSTEM, SPECIAL.
- ⑤ THE CONTRACTOR SHALL INSTALL A POE EXTENDER FOR THE REMOTE CONTROLLED VIDEO SYSTEM.

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

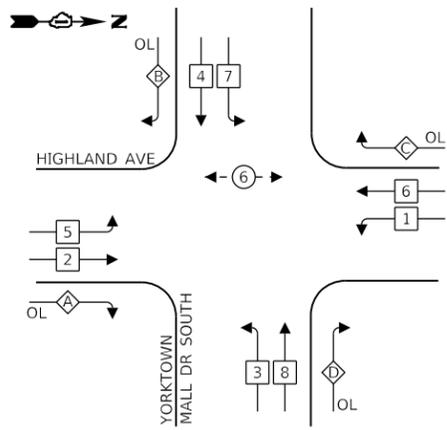
THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

LOMBARD TS 13

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 HIGHLAND AVE AND YORKTOWN ENT (SOUTH)				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -		SCALE: 1"=20'	SHEET 36	OF 96	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	
	PLOT DATE = 6/12/2022	CHECKED - ZH	REVISED -										
		DATE -	REVISED -										
											CONTRACT NO. 61H96		

EXISTING CONTROLLER SEQUENCE



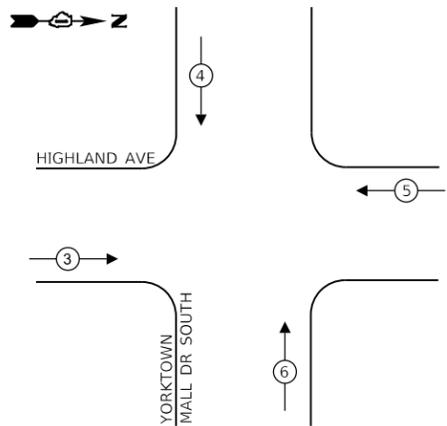
LEGEND:

- ◀ * — SINGLE ENTRY PHASE
- ◀ * — PROTECTED PHASE
- ◀ - * - PROTECTED/PERMITTED PHASE
- ◀ * ▶ PEDESTRIAN PHASE
- ◀ * ▶ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110
(YELLOW)	20	20	5	20
(GREEN)	20	12	45	108
PERMISSIVE ARROW	16	10	10	16
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	1	75	100	75
TOTAL =				644

ENERGY COSTS TO:

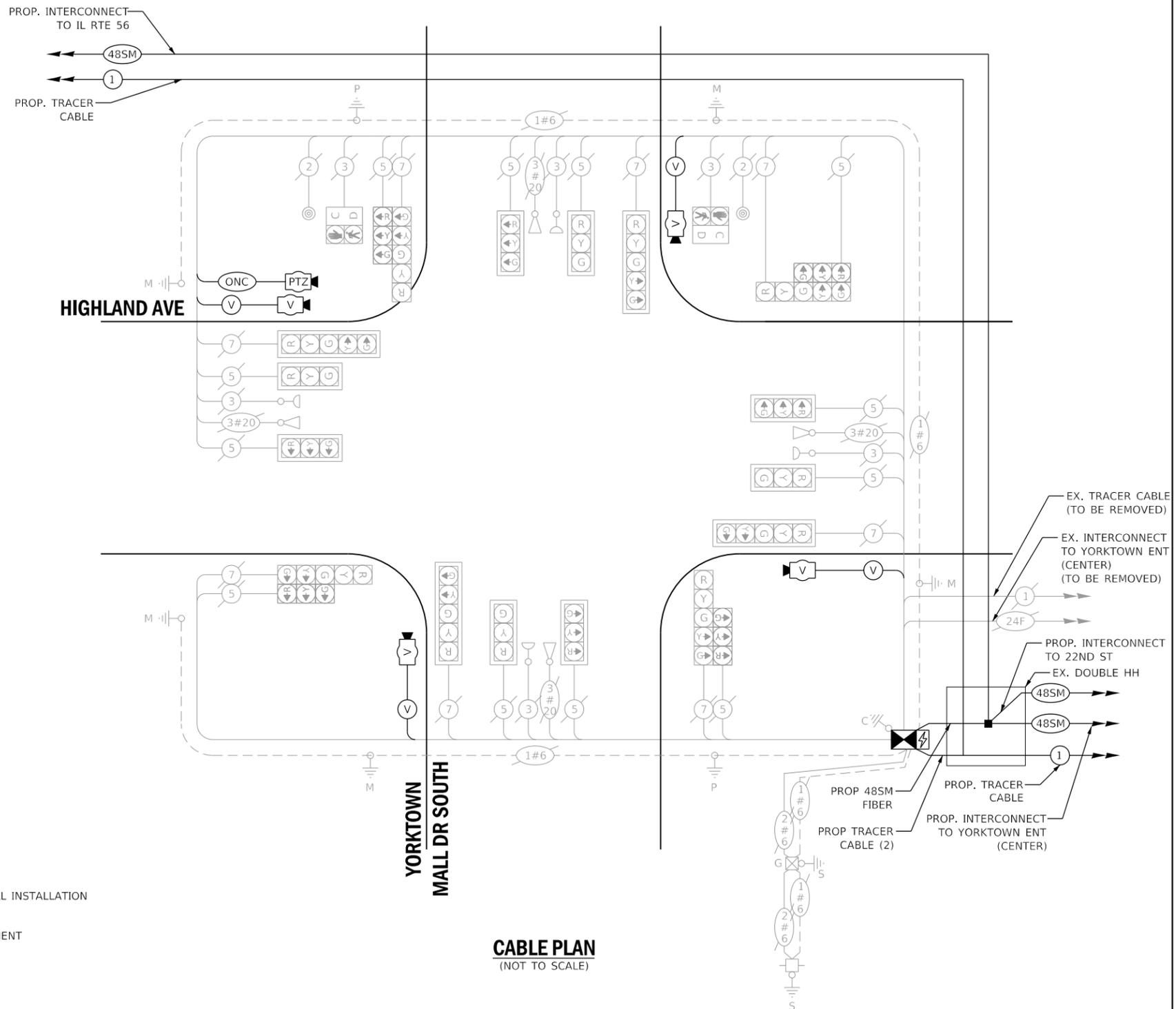
VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER: _____

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
590	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE EXISTING HANDHOLE
346	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL
1	EACH	POE EXTENDER



CABLE PLAN
(NOT TO SCALE)

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

LOMBARD TS 13



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

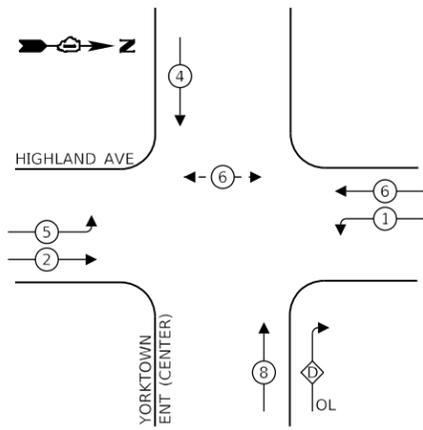
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
HIGHLAND AVE AND YORKTOWN ENT (SOUTH)**

SCALE: SHEET 37 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	102
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



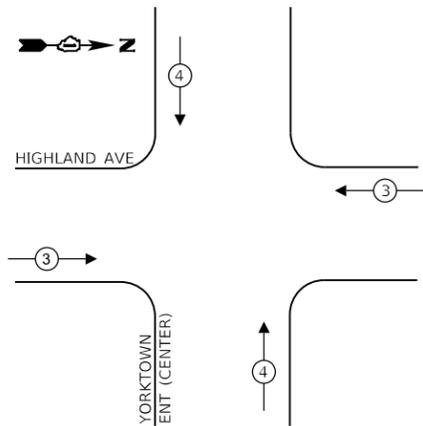
LEGEND:

- ← * → SINGLE ENTRY PHASE
- ← ⊙ → PROTECTED PHASE
- ← ⊙ - → PROTECTED/PERMITTED PHASE
- ← ⊙ ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/25-1000)
- 1 EACH PTZ CAMERA
- 1 EACH VIDEO DETECTION (COMPLETE)

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- 3 THE CONTRACTOR SHALL REMOVE THE EXISTING PTZ CAMERA SYSTEM.
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING VEHICLE DETECTION SYSTEM AND INSTALL THE PROPOSED VEHICLE DETECTION SYSTEM, SPECIAL.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77
(YELLOW)	14	20	5	14
(GREEN)	14	12	45	76
PERMISSIVE ARROW	12	10	10	12
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	-	75	100	-
TOTAL =				494

ENERGY COSTS TO:

VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
446	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL

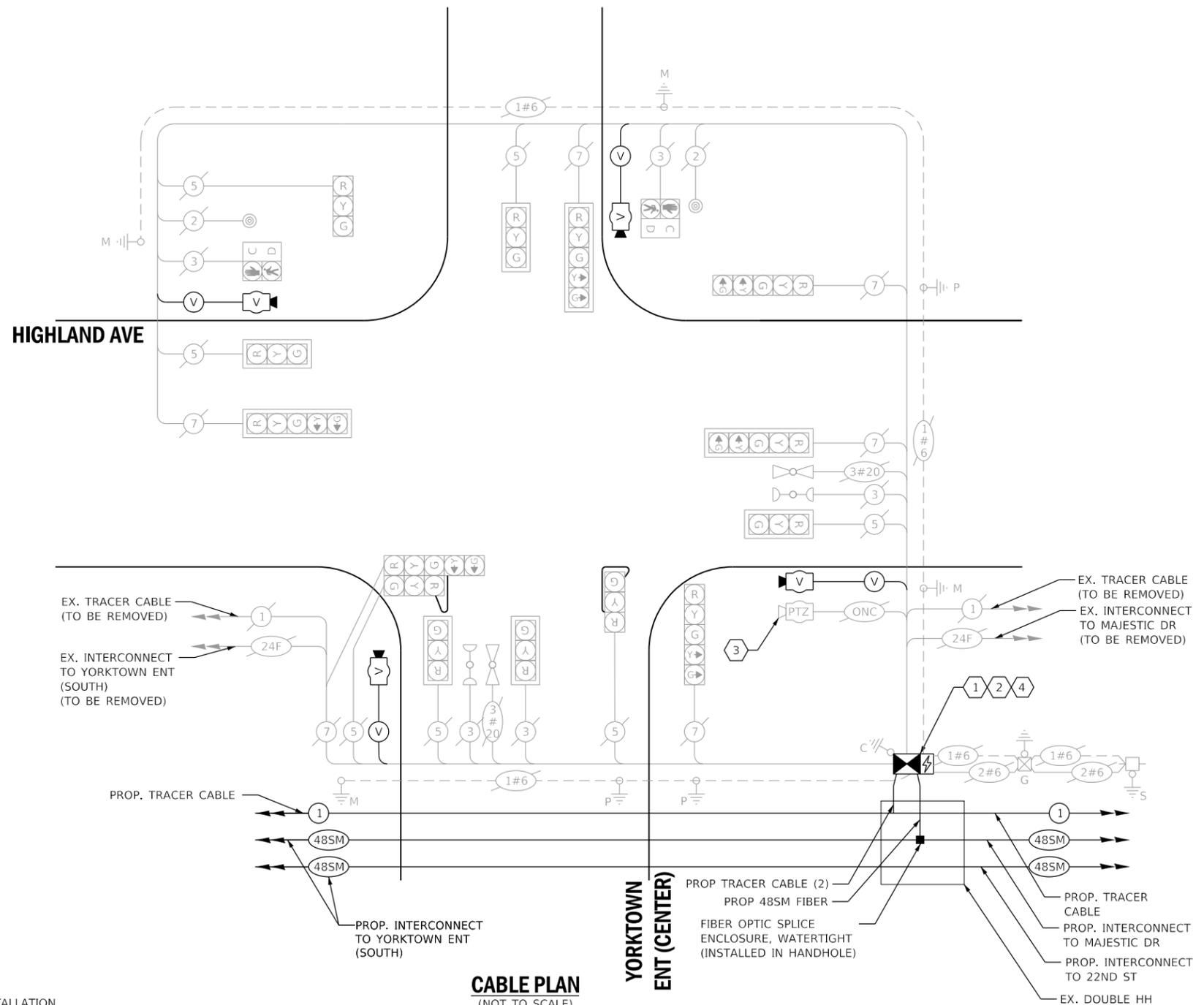
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
HIGHLAND AVE AND YORKTOWN ENT (CENTER)**

SCALE: SHEET 38 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
19-DCCSS-04-TL <td>DUPAGE <td> <td>293</td> <td>103</td> </td></td>	DUPAGE <td> <td>293</td> <td>103</td> </td>	<td>293</td> <td>103</td>	293	103
CONTRACT NO.			61H96	

ILLINOIS FED. AID PROJECT



PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

**LOMBARD
TS 14**

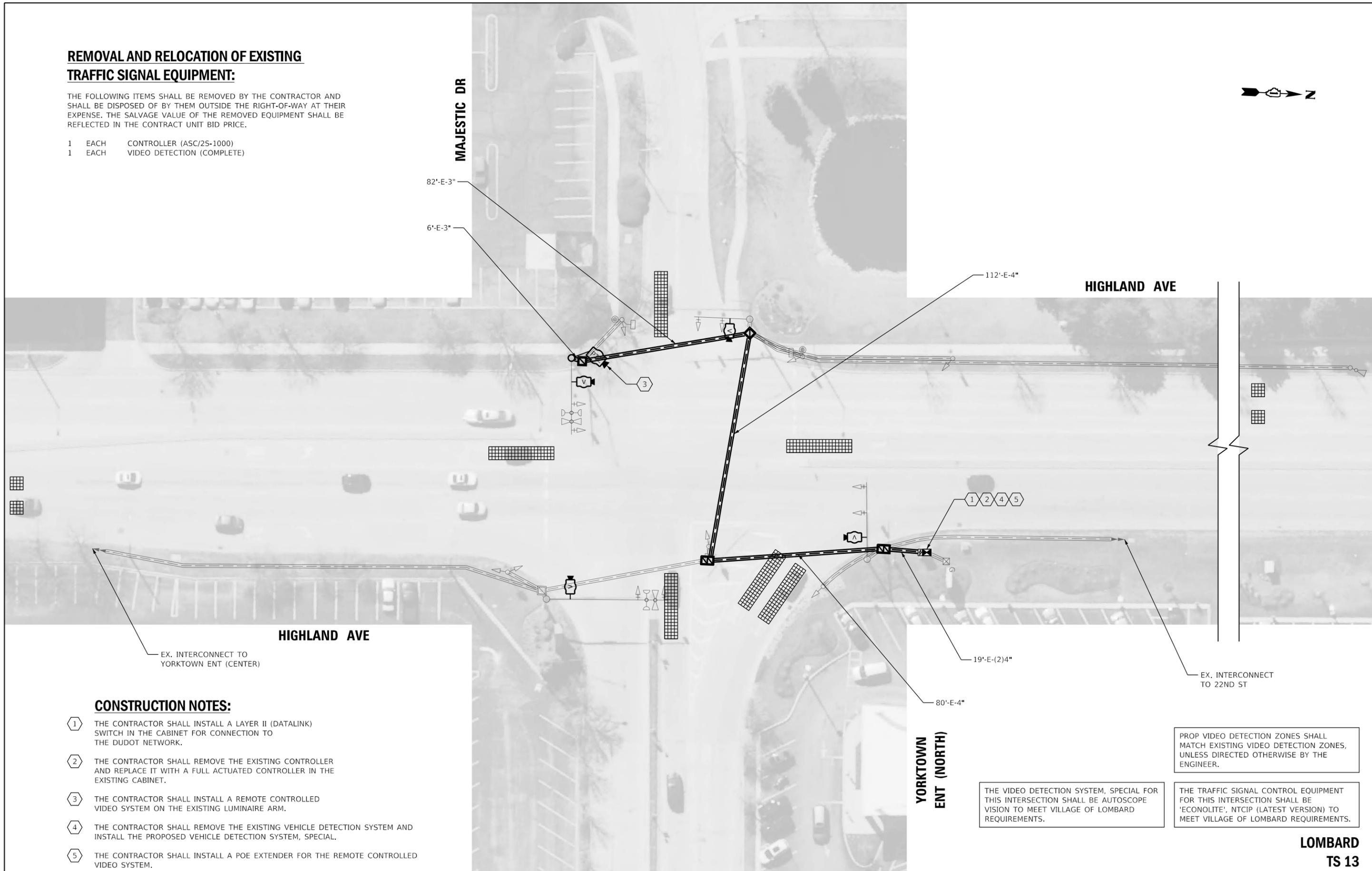


USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/2S-1000)
- 1 EACH VIDEO DETECTION (COMPLETE)



CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- 3 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING VEHICLE DETECTION SYSTEM AND INSTALL THE PROPOSED VEHICLE DETECTION SYSTEM, SPECIAL.
- 5 THE CONTRACTOR SHALL INSTALL A POE EXTENDER FOR THE REMOTE CONTROLLED VIDEO SYSTEM.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

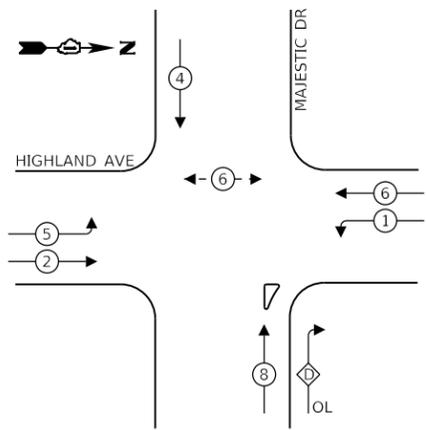
TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
HIGHLAND AVE AND MAJESTIC DR

SCALE: 1"=20' SHEET 39 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	104
			CONTRACT NO.	61H96
ILLINOIS FED. AID PROJECT				

**LOMBARD
TS 13**

EXISTING CONTROLLER SEQUENCE



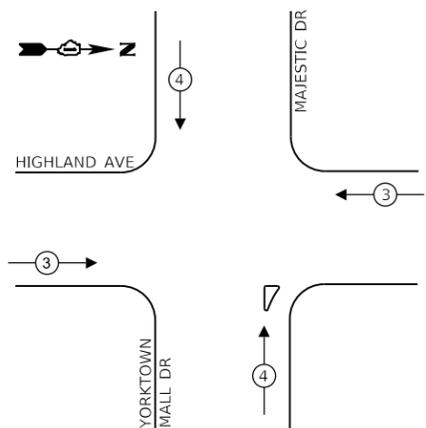
LEGEND:

- ◀ * — SINGLE ENTRY PHASE
- ◀ * — PROTECTED PHASE
- ◀ - * - PROTECTED/PERMITTED PHASE
- ◀ * ▶ PEDESTRIAN PHASE
- ◀ * OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	11	50	83
(YELLOW)	15	20	5	15
(GREEN)	15	12	45	81
PERMISSIVE ARROW	14	10	10	14
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	1	75	100	75
TOTAL =				583

ENERGY COSTS TO:

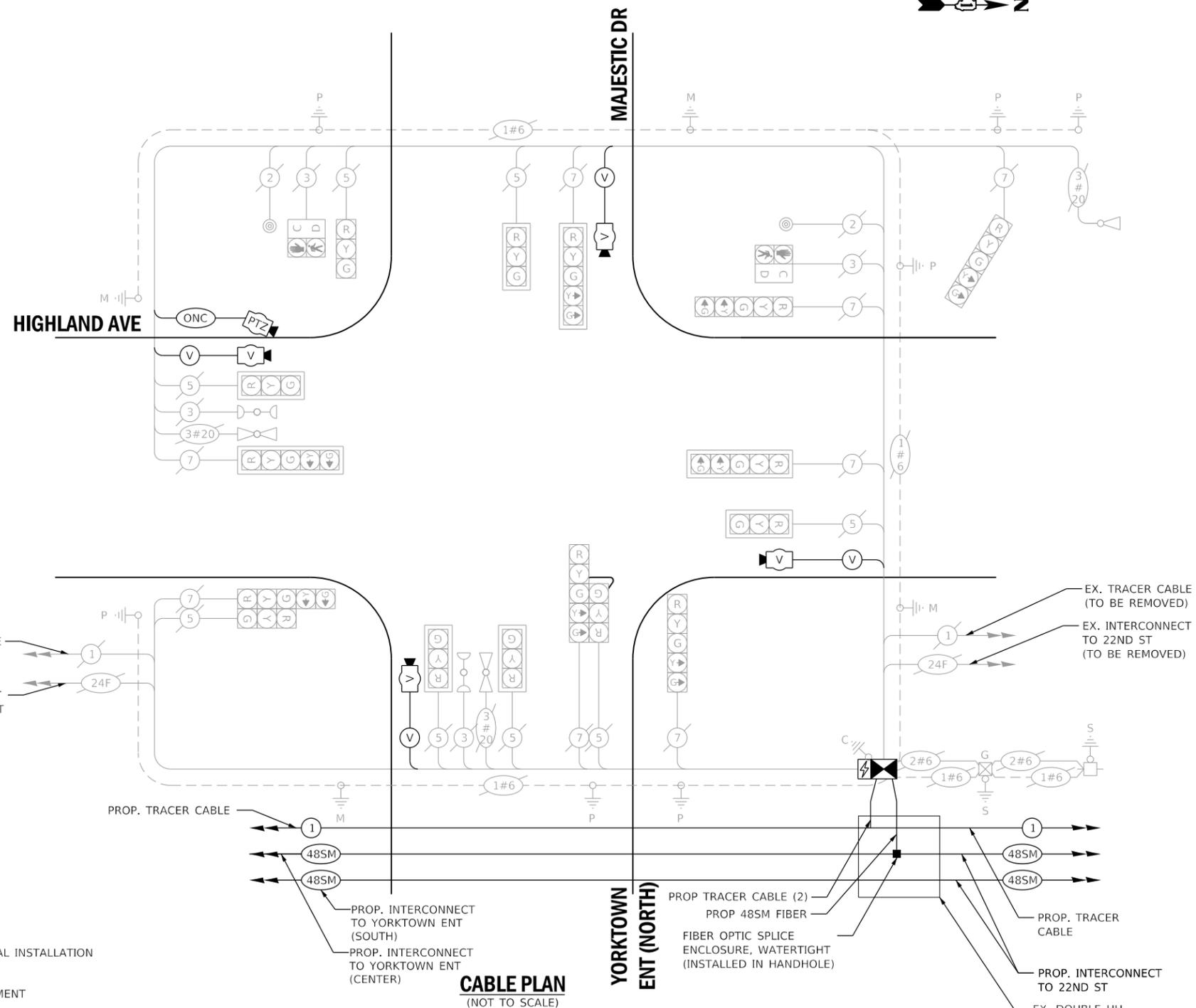
VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
723	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
393	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL
1	EACH	POE EXTENDER



CABLE PLAN (NOT TO SCALE)

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

LOMBARD TS 15



USER NAME = rgeorgescu	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/14/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 HIGHLAND AVE AND MAJESTIC DR

SCALE: SHEET 40 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	105
CONTRACT NO. 61H96			ILLINOIS FED. AID PROJECT	

THE TERMINAL SERVER SHALL BE CONFIGURED TO ESTABLISH CONNECTION BETWEEN THE EXISTING SIGNAL AT HIGHLAND/EASTGATE AND THE ETHERNET-BASED DUPAGE COUNTY CENTRAL SIGNAL SYSTEM.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

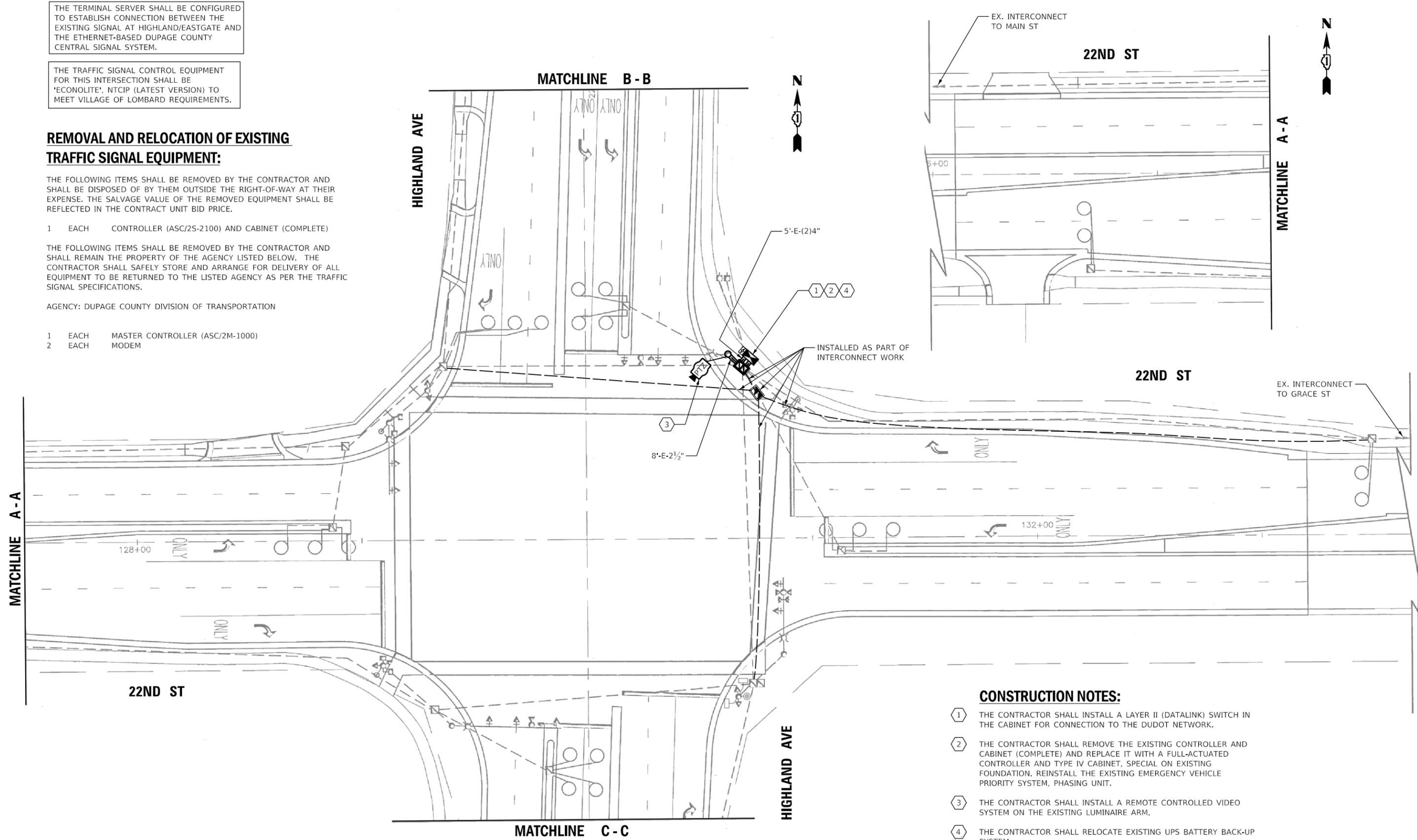
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT BID PRICE.

- 1 EACH CONTROLLER (ASC/2S-2100) AND CABINET (COMPLETE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

- 1 EACH MASTER CONTROLLER (ASC/2M-1000)
- 2 EACH MODEM

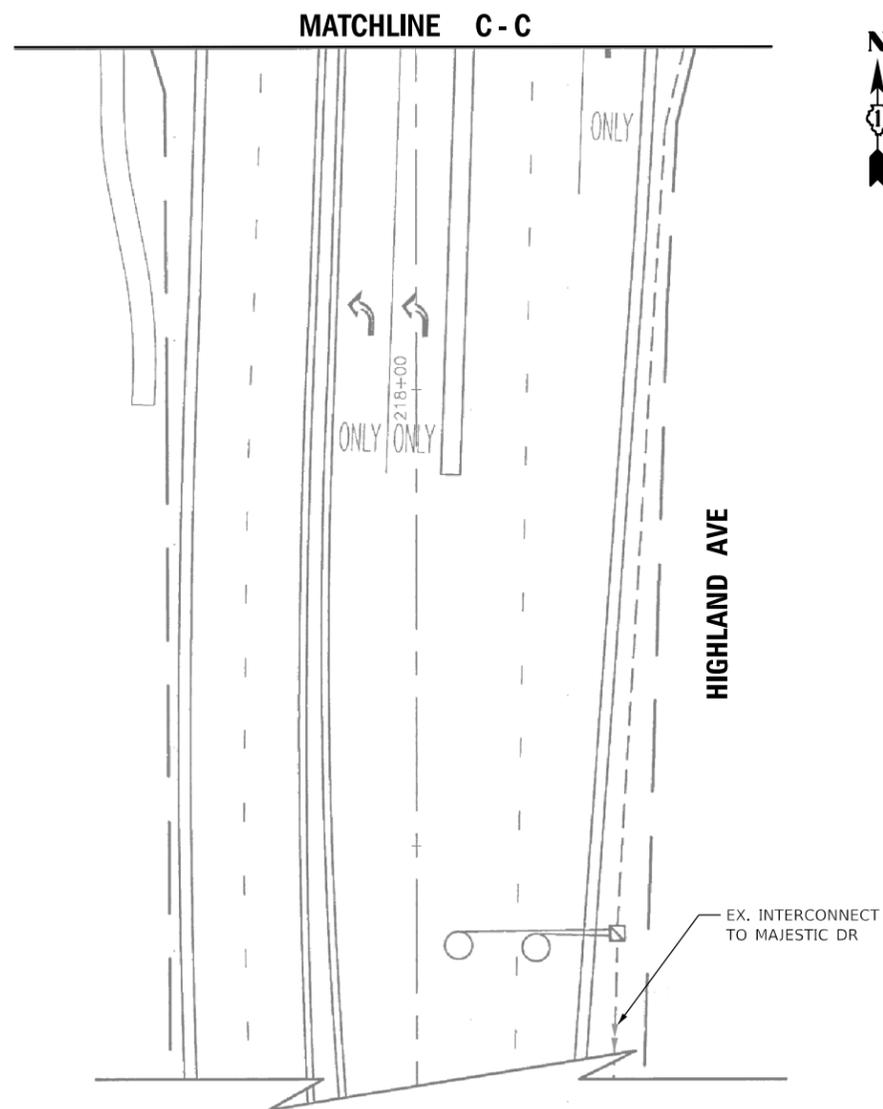


CONSTRUCTION NOTES:

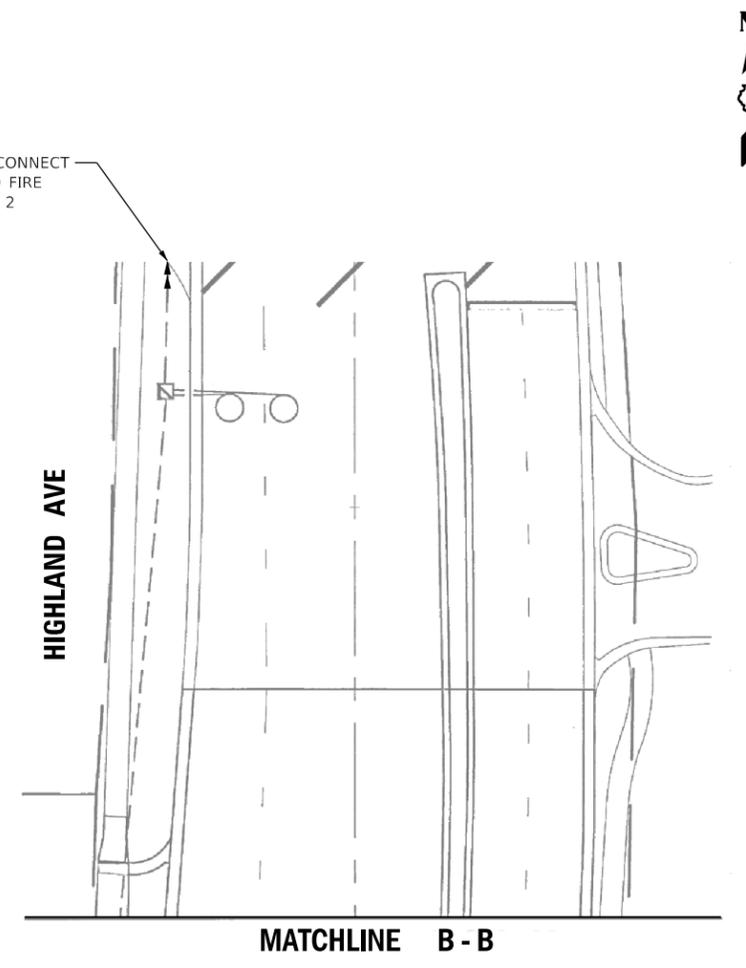
- ① THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- ③ THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- ④ THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.

**LOMBARD
TS 16**

	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 HIGHLAND AVE AND 22ND ST</p>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	DRAWN - RG	REVISED -						VAR.	19-DCCSS-04-TL	DUPAGE	293	106
PLOT DATE = 6/14/2022	CHECKED - ZH	REVISED -	REVISED -	SCALE: 1"=20'	SHEET 41	OF 96 SHEETS	STA.	TO STA.	CONTRACT NO. 61H96				
	DATE -	REVISED -	REVISED -						ILLINOIS FED. AID PROJECT				



PROP. INTERCONNECT TO LOMBARD FIRE STATION NO. 2



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TERMINAL SERVER SHALL BE CONFIGURED TO ESTABLISH CONNECTION BETWEEN THE EXISTING SIGNAL AT HIGHLAND/EASTGATE AND THE ETHERNET-BASED DUPAGE COUNTY CENTRAL SIGNAL SYSTEM.

**LOMBARD
TS 16**

DLZ	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 6/14/2022	DATE -	REVISED -

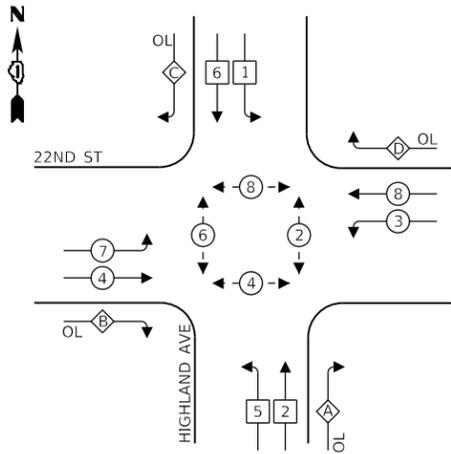
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
HIGHLAND AVE AND 22ND ST

SCALE: SHEET 42 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	107
CONTRACT NO. 61H96				
ILLINOIS		FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



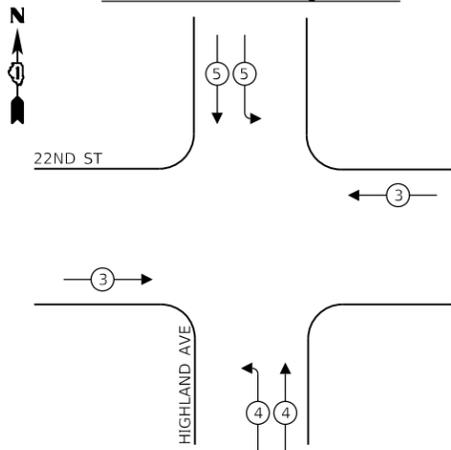
LEGEND:

- ◻ * — SINGLE ENTRY PHASE
- ◻ * — PROTECTED PHASE
- ◻ * — PROTECTED/PERMITTED PHASE
- ◻ * — PEDESTRIAN PHASE
- ◻ OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTE:
THE DETECTOR ACROSS FROM THE FIRE STATION SHALL PLACE A CALL TO THE 22ND ST/HIGHLAND AVE INTERSECTION AND THE FIRE STATION WARNING DEVICE.

- PROP. INTERCONNECT TO WILSON AVE
- PROP. INTERCONNECT TO MAIN ST
- PROP. TRACER CABLE

- EX. TRACER CABLE TO EASTGATE RD (TO REMAIN)
- EX. INTERCONNECT TO EASTGATE RD (TO REMAIN)
- EX. CABLE TO EVP DETECTOR AT LOMBARD FIRE STATION NO. 2.

- EX. INTERCONNECT TO MAIN ST (TO BE REMOVED)
- EX. TRACER CABLE (TO BE REMOVED)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TERMINAL SERVER SHALL BE CONFIGURED TO ESTABLISH CONNECTION BETWEEN THE EXISTING SIGNAL AT HIGHLAND/EASTGATE AND THE ETHERNET-BASED DUPAGE COUNTY CENTRAL SIGNAL SYSTEM.

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRANSCEIVER - FIBER OPTIC
4	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
13	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
61	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM
1	EACH	TERMINAL SERVER

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99
(YELLOW)	18	20	5	18
(GREEN)	18	12	45	98
PERMISSIVE ARROW	24	10	10	24
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500
PTZ CAMERA	1	75	100	75
TOTAL =				1099

ENERGY COSTS TO:

VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:



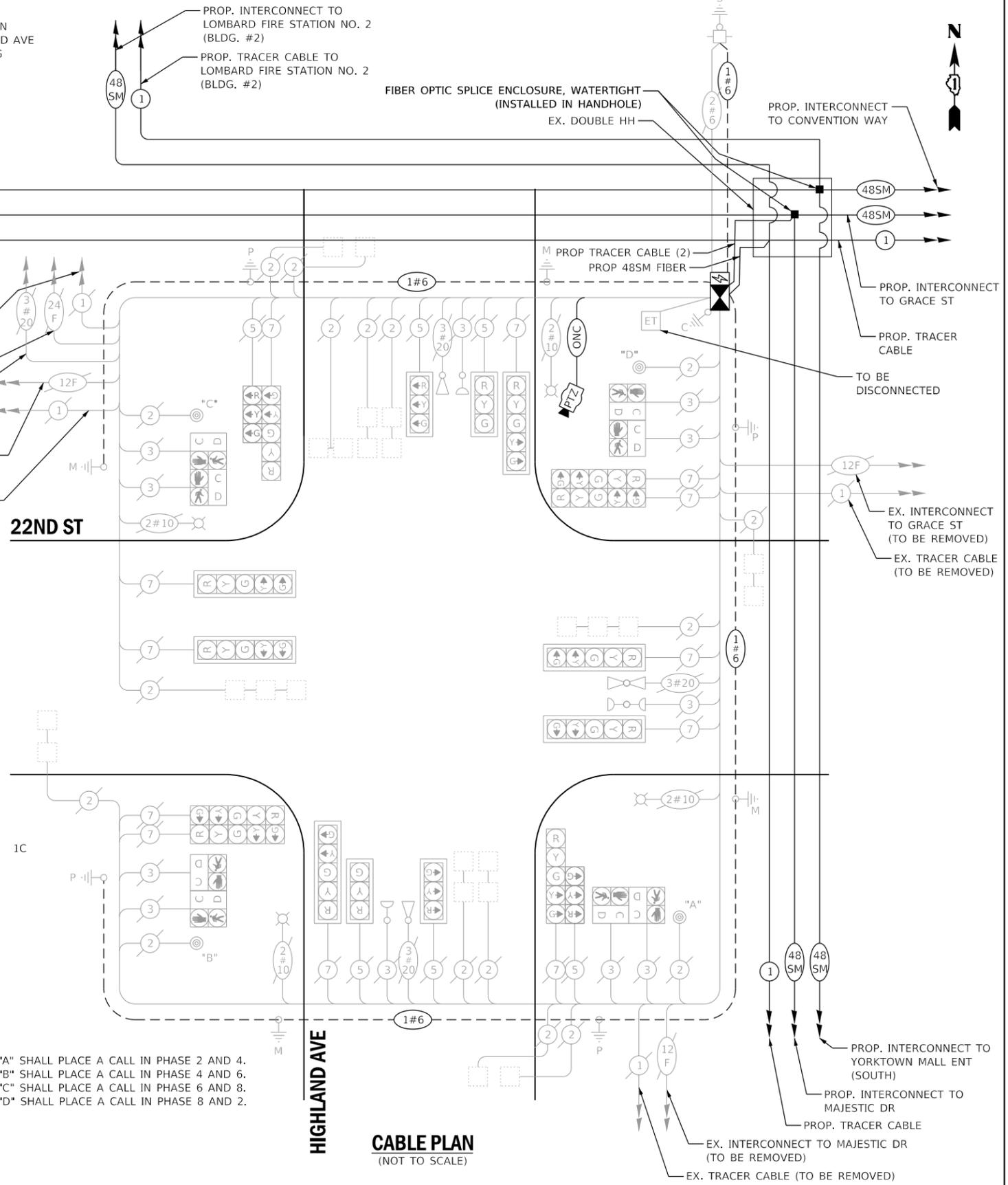
USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 7/7/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
HIGHLAND AVE AND 22ND ST**

SCALE: SHEET 43 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	108
			CONTRACT NO. 61H96	
		ILLINOIS FED. AID PROJECT		



CABLE PLAN
(NOT TO SCALE)

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASE 2 AND 4.
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASE 4 AND 6.
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASE 6 AND 8.
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASE 8 AND 2.

**LOMBARD
TS 16**

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

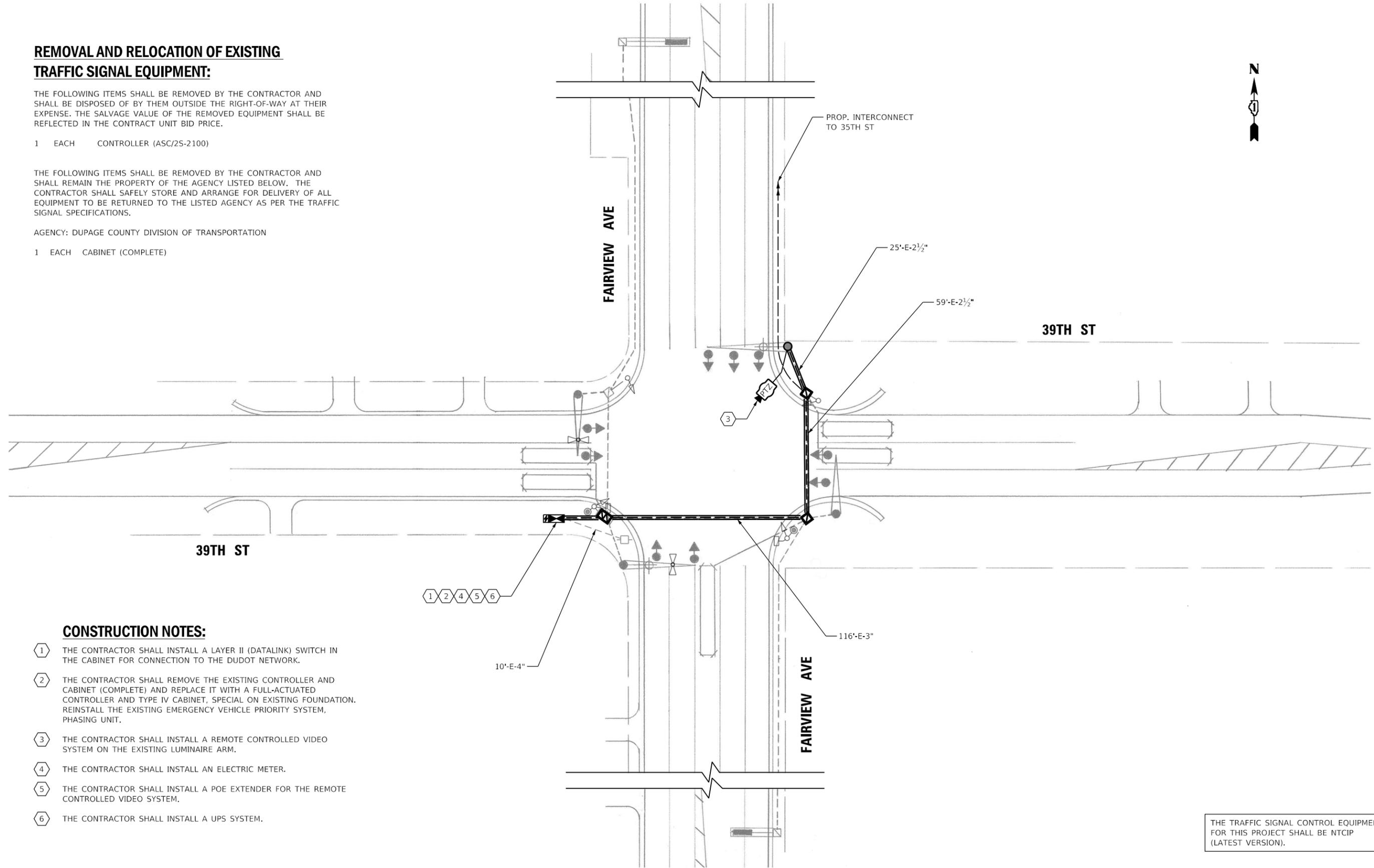
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT BID PRICE.

- 1 EACH CONTROLLER (ASC/2S-2100)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

- 1 EACH CABINET (COMPLETE)



CONSTRUCTION NOTES:

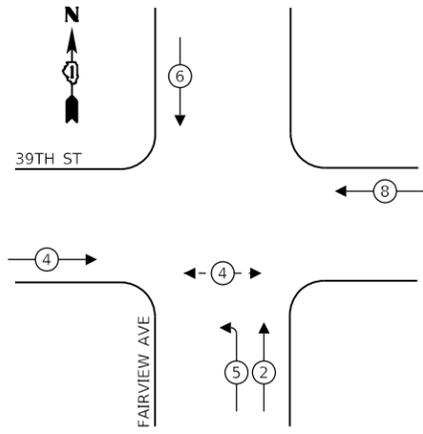
- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- 3 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- 4 THE CONTRACTOR SHALL INSTALL AN ELECTRIC METER.
- 5 THE CONTRACTOR SHALL INSTALL A POE EXTENDER FOR THE REMOTE CONTROLLED VIDEO SYSTEM.
- 6 THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 FAIRVIEW AVE AND 39TH ST				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -						VAR.	19-DCCSS-04-TL	DUPAGE	293	109
	PLOT DATE = 6/12/2022	CHECKED - ZH	REVISED -		SCALE: 1"=20'	SHEET 44	OF 96	SHEETS	STA.	TO STA.	CONTRACT NO. 61H96		
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

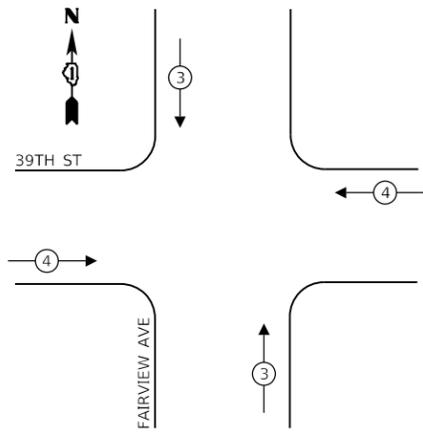
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	72
(YELLOW)	13	20	5	13
(GREEN)	13	12	45	71
PERMISSIVE ARROW	4	10	10	4
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				650

ENERGY COSTS TO:

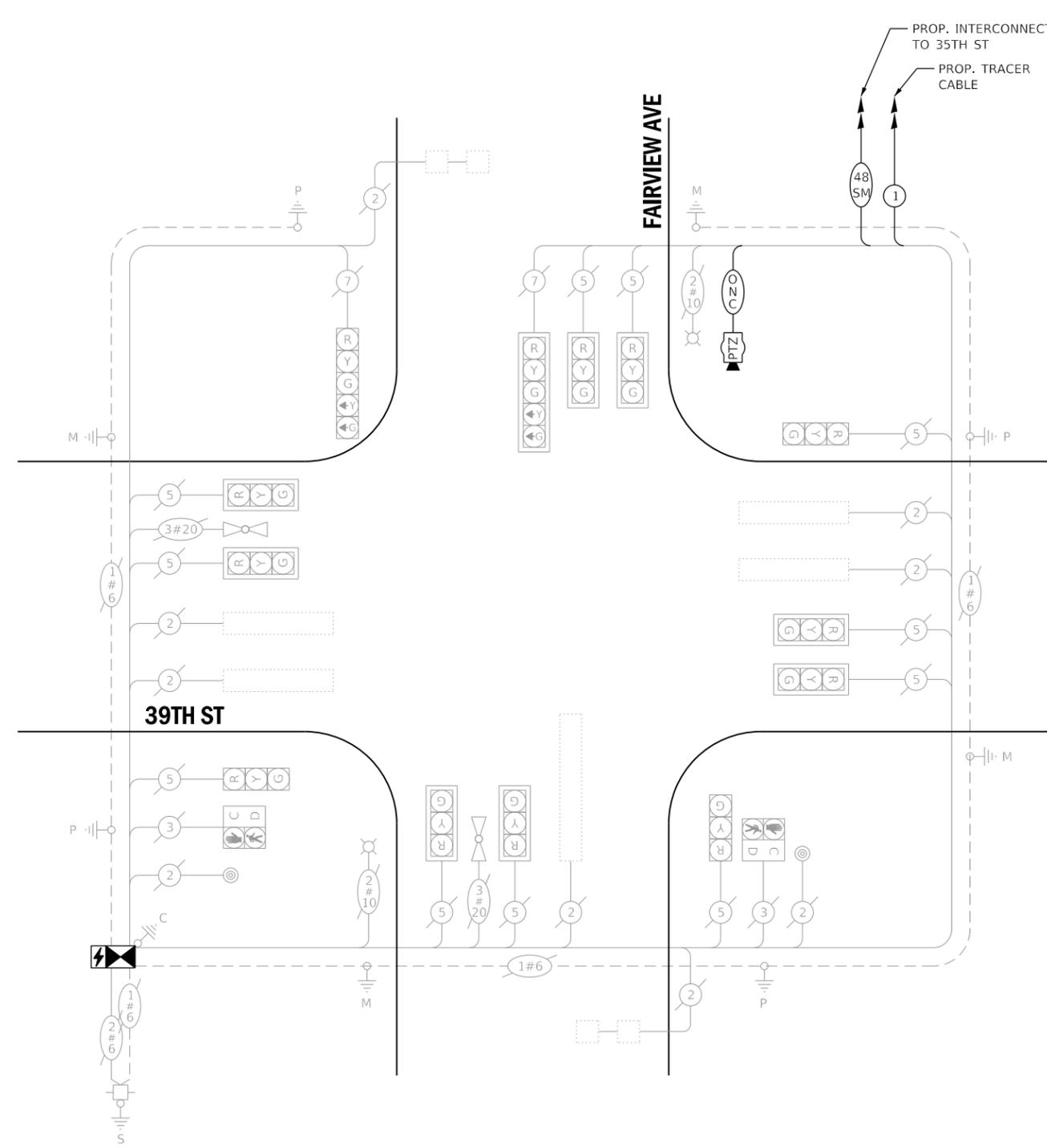
VILLAGE OF DOWNERS GROVE

801 BURLINGTON AVE.
DOWNERS GROVE, IL 60515

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER: _____

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
7	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
271	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	ELECTRIC METER
1	EACH	POE EXTENDER



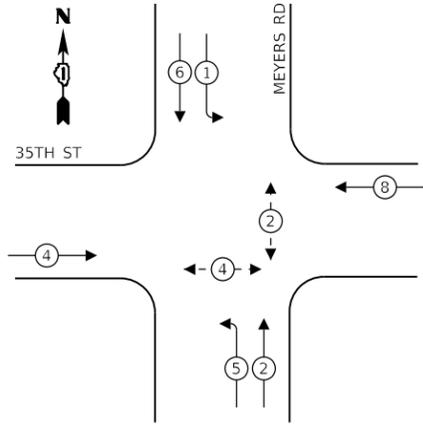
CABLE PLAN
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

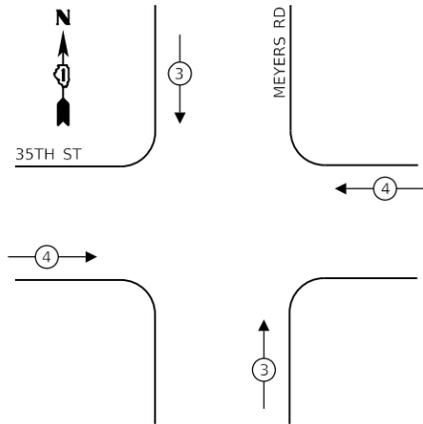
DUDOT

	USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -	<p style="text-align: center;">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p style="text-align: center;">CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 FAIRVIEW AVE AND 39TH ST</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED - DW	REVISED -			VAR.	19-DCCSS-04-TL	DUPAGE	293	110
PLOT DATE = 6/12/2022	DATE -	REVISED -		SCALE:	SHEET 45	OF 96	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE



**EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



LEGEND:

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

**REMOVAL AND RELOCATION OF EXISTING
TRAFFIC SIGNAL EQUIPMENT:**

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

- 1 EACH CONTROLLER (ASC/25-2100) AND CABINET (COMPLETE)

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- 3 THE CONTRACTOR SHALL INSTALL AN ELECTRIC METER.
- 4 THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	65
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	4	20	100	80
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	-	75	100	-
TOTAL =				606

ENERGY COSTS TO:

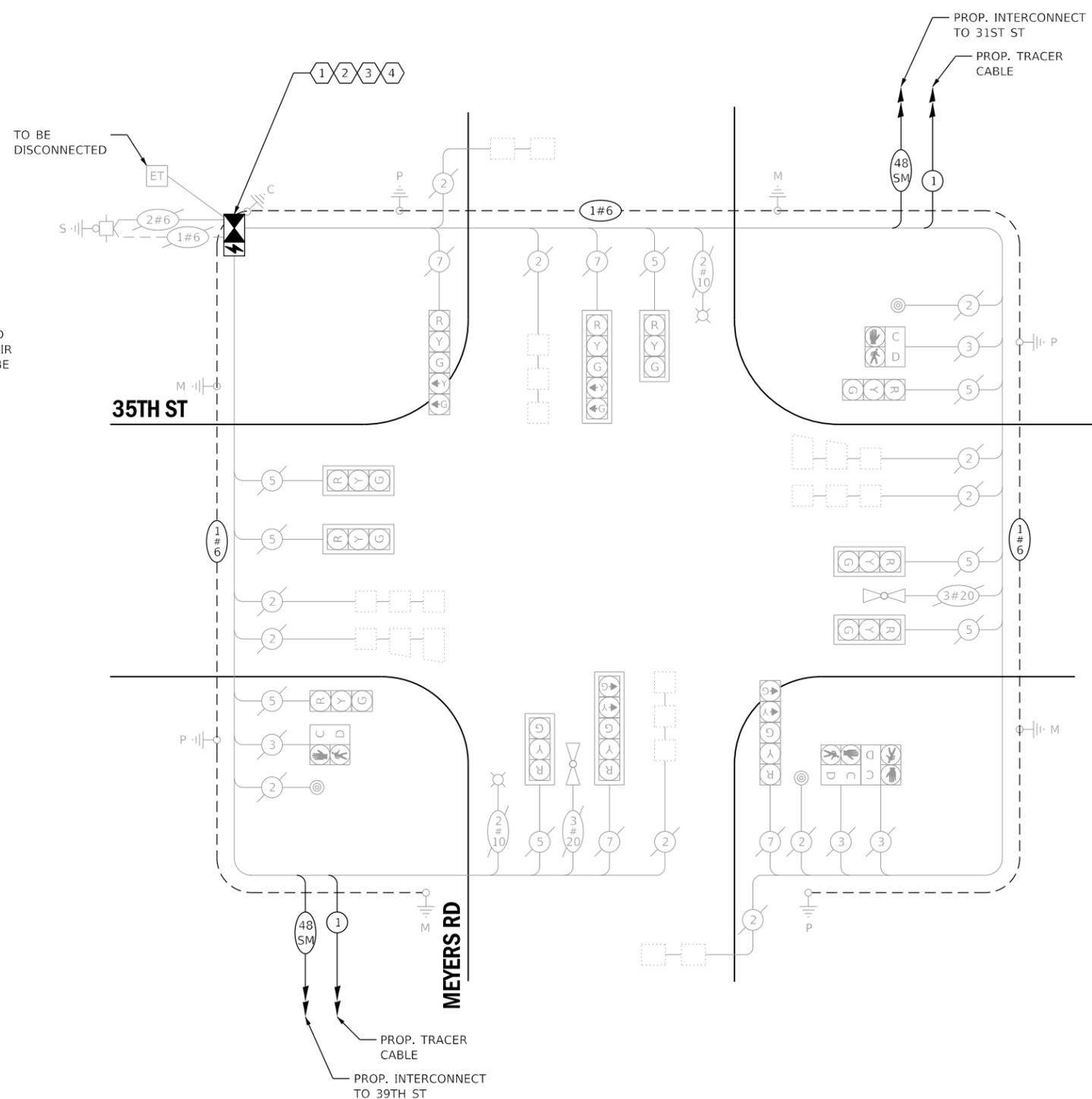
VILLAGE OF OAK BROOK

3003 JORIE BOULEVARD
OAK BROOK, IL 60523

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
8	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	ELECTRIC METER



**CABLE PLAN
(NOT TO SCALE)**

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
MEYERS RD AND 35TH ST

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	111
			CONTRACT NO. 61H96	

SCALE: SHEET 46 OF 96 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

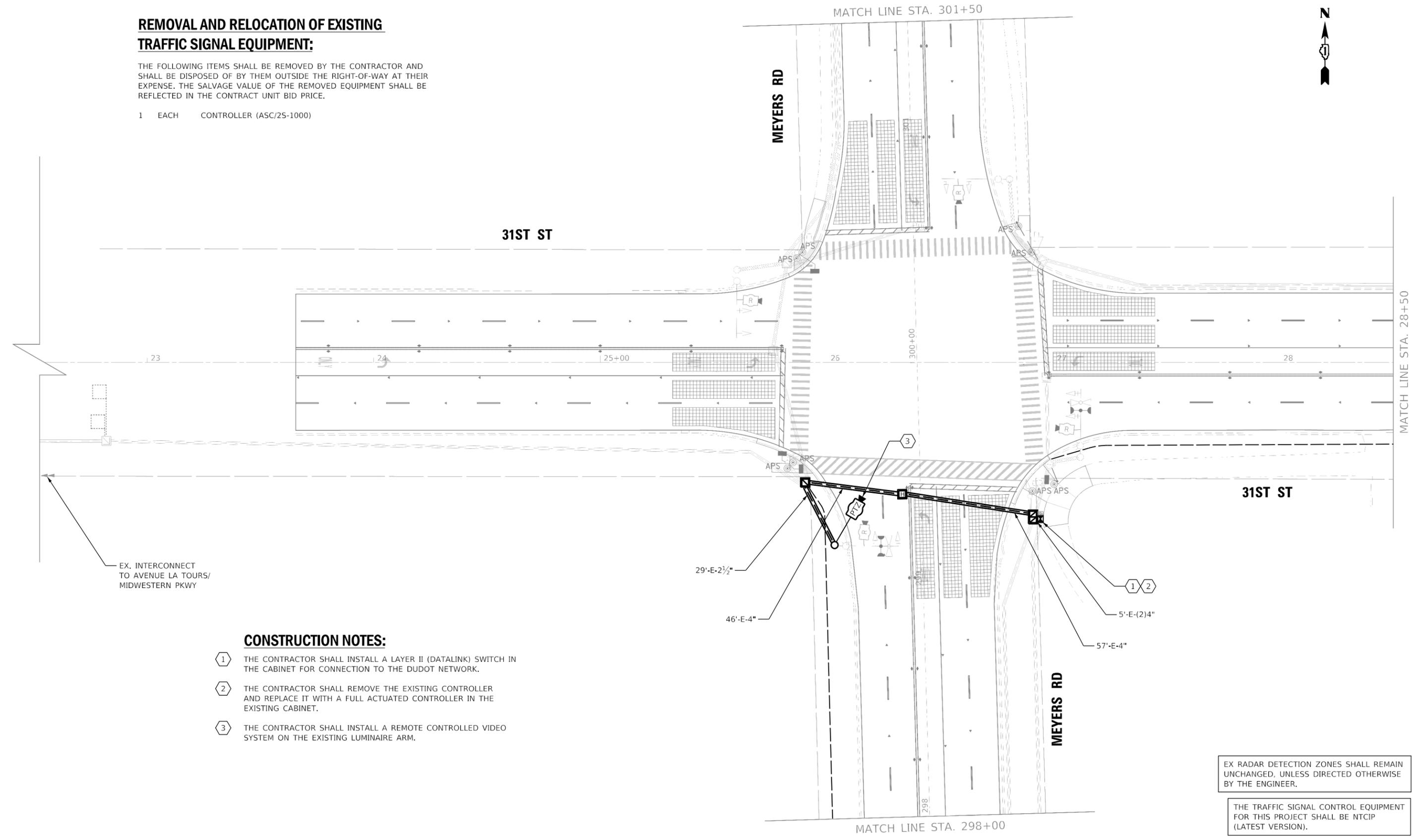


USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DW	REVISED -
PLOT DATE = 6/12/2022	DATE -	REVISED -

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

1 EACH CONTROLLER (ASC/2S-1000)



EX. INTERCONNECT TO AVENUE LA TOURS/ MIDWESTERN PKWY

CONSTRUCTION NOTES:

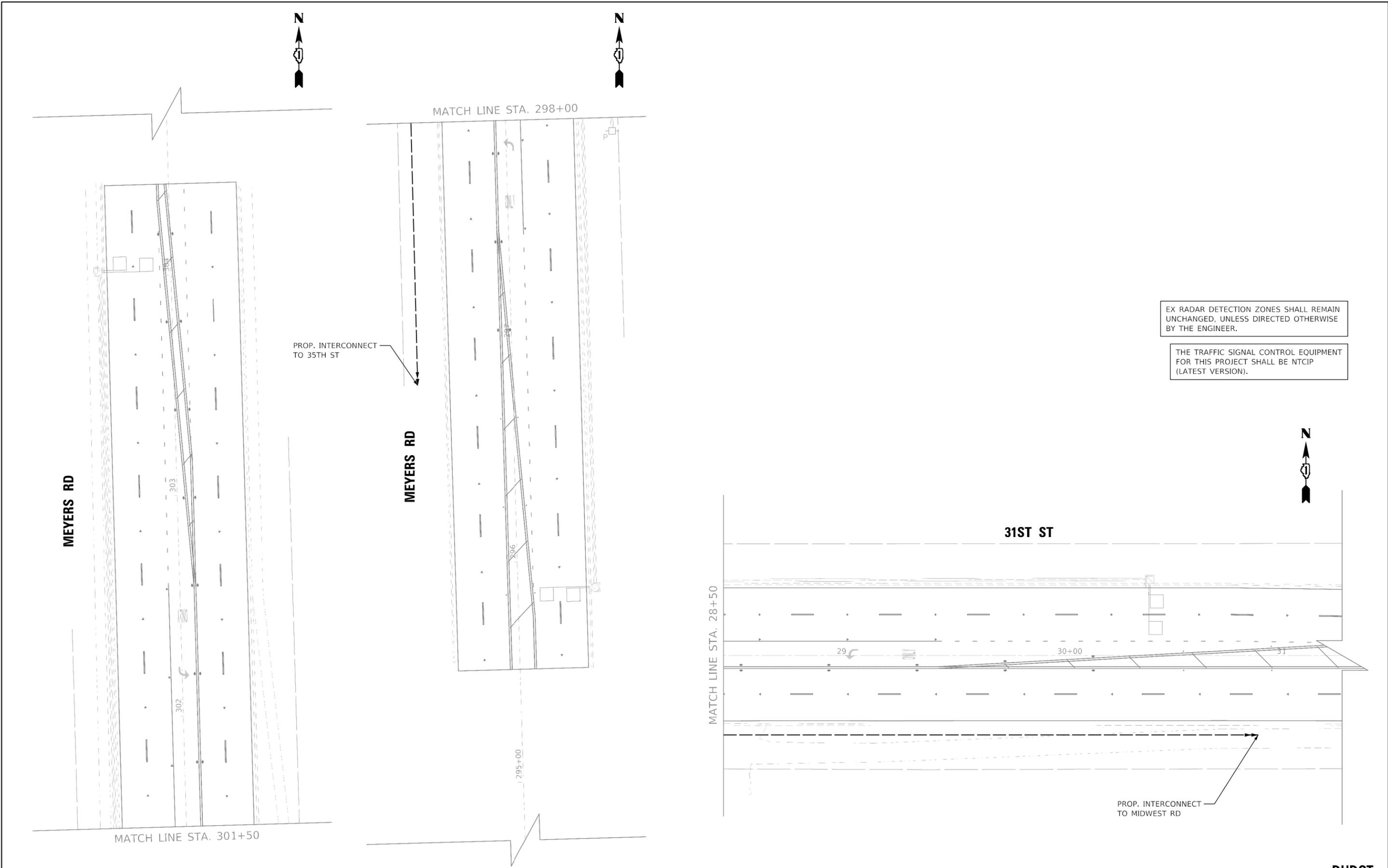
- ① THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- ③ THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.

EX RADAR DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

	USER NAME = dwtorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 31ST ST AND MEYERS RD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -					VAR.	19-DCCSS-04-TL	DUPAGE	293	112
	PLOT DATE = 6/12/2022	CHECKED - ZH	REVISED -		SCALE: 1"=20'	SHEET 47	OF 96	SHEETS	STA.	TO STA.	CONTRACT NO. 61H96	
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT	



EX RADAR DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 6/12/2022	DATE -	REVISED -

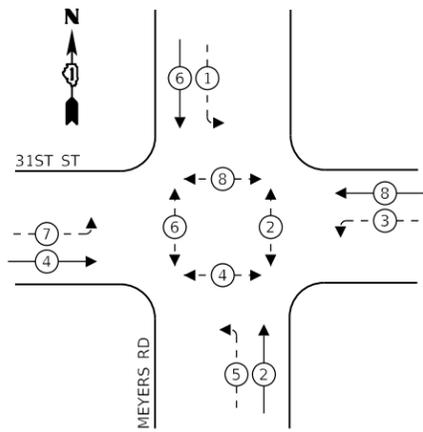
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
31ST ST AND MEYERS RD**

SCALE: 1"=20' SHEET 48 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	113
CONTRACT NO. 61H96				
ILLINOIS		FED. AID PROJECT		

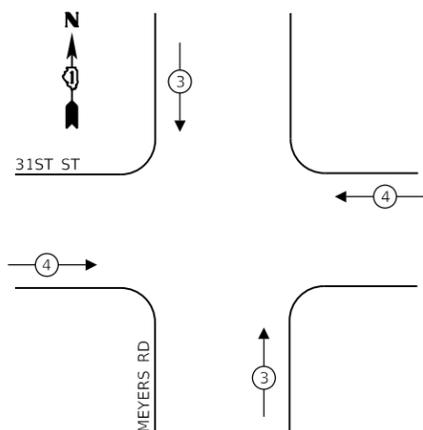
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	65
PERMISSIVE ARROW	16	10	10	16
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500
PTZ CAMERA	1	75	100	75
TOTAL =				1169

ENERGY COSTS TO:

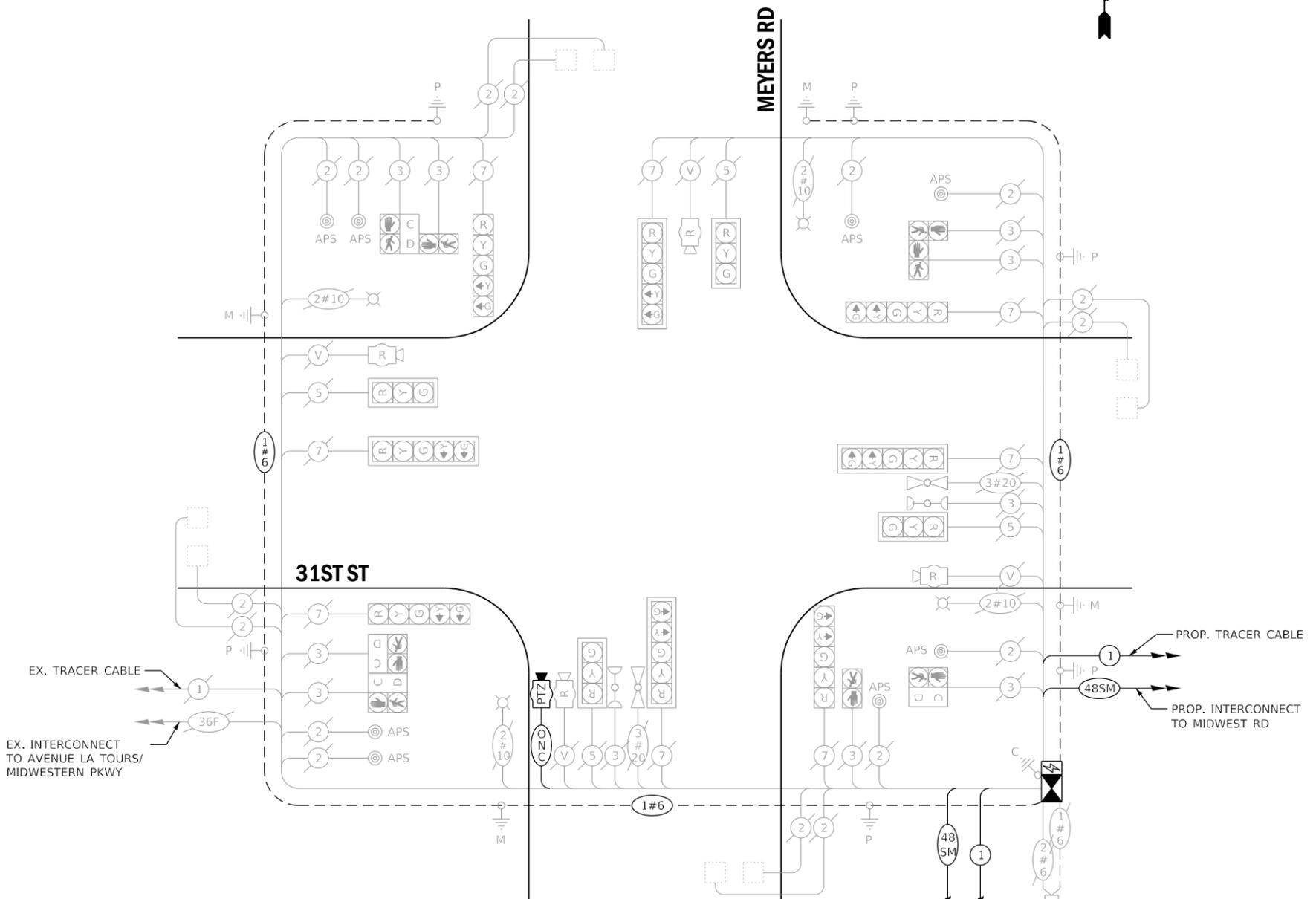
DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER: _____

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
8	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
198	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL



CABLE PLAN
(NOT TO SCALE)

EX RADAR DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 MEYERS RD AND 31ST ST

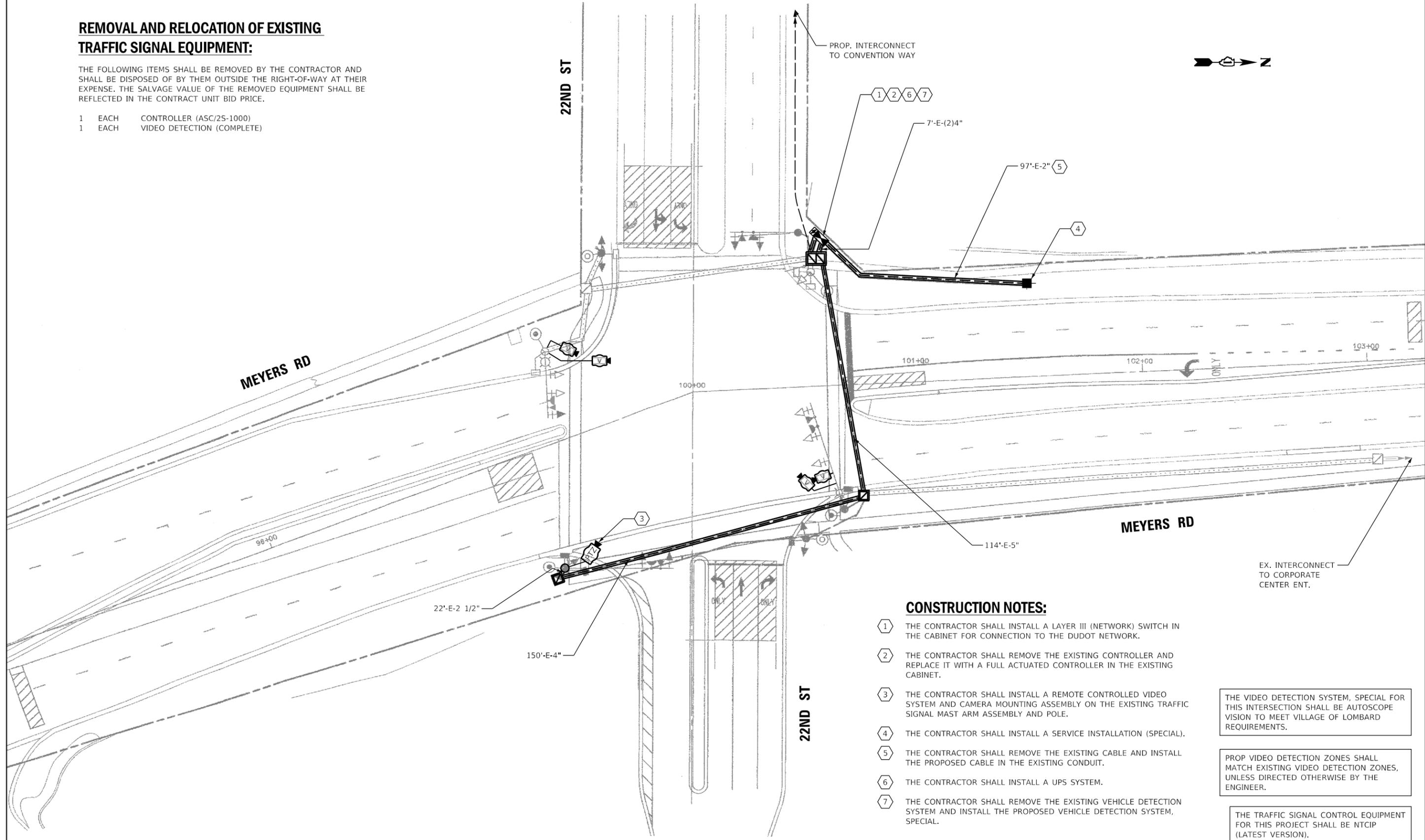
SCALE: SHEET 49 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCS-04-TL	DUPAGE	293	114
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/2S-1000)
- 1 EACH VIDEO DETECTION (COMPLETE)



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL A LAYER III (NETWORK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- ③ THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM AND CAMERA MOUNTING ASSEMBLY ON THE EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.
- ④ THE CONTRACTOR SHALL INSTALL A SERVICE INSTALLATION (SPECIAL).
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING CABLE AND INSTALL THE PROPOSED CABLE IN THE EXISTING CONDUIT.
- ⑥ THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.
- ⑦ THE CONTRACTOR SHALL REMOVE THE EXISTING VEHICLE DETECTION SYSTEM AND INSTALL THE PROPOSED VEHICLE DETECTION SYSTEM, SPECIAL.

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 6/12/2022	DATE -	REVISED -

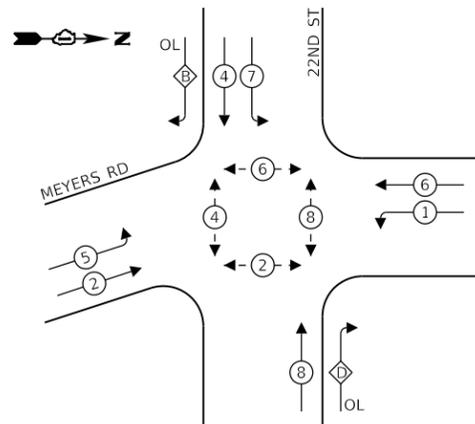
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
MEYERS RD AND 22ND ST**

SCALE: 1"=20' SHEET 50 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	115
			CONTRACT NO.	61H96
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



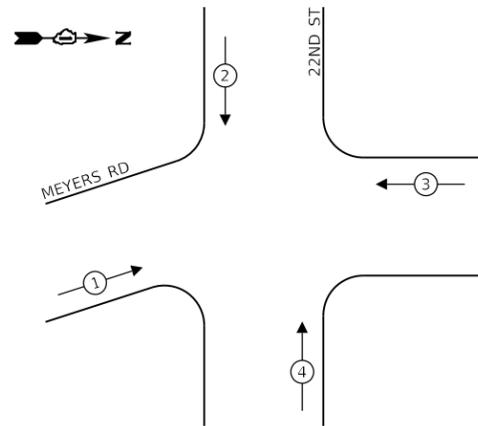
LEGEND:

- ◀ * — SINGLE ENTRY PHASE
- ◀ * — PROTECTED PHASE
- ◀ - * - PROTECTED/PERMITTED PHASE
- ◀ * ▶ PEDESTRIAN PHASE
- ◀ * OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88
(YELLOW)	16	20	5	16
(GREEN)	20	12	45	108
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				980

ENERGY COSTS TO:

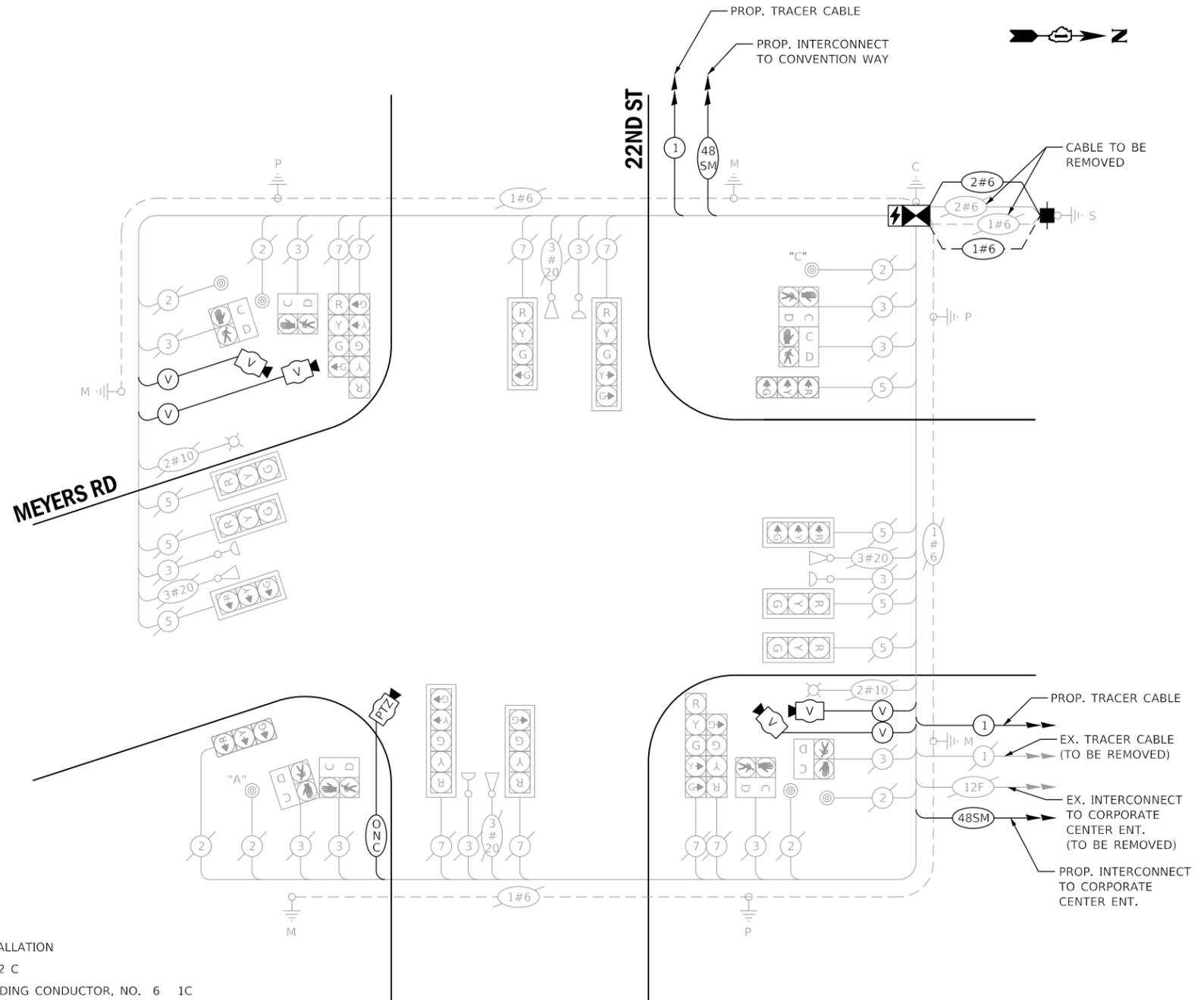
DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
117	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
117	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
722	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
97	FOOT	ROD AND CLEAN EXISTING CONDUIT
369	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	FIBER OPTIC SPLICE ENCLOSURE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER III (NETWORK) SWITCH
1	EACH	SERVICE INSTALLATION (SPECIAL)
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	CAMERA MOUNTING ASSEMBLY, SPECIAL
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL
1	EACH	POE EXTENDER



CABLE PLAN
(NOT TO SCALE)

PUSH BUTTON *A* SHALL PLACE A CALL IN PHASE 2 AND 4.
PUSH BUTTON *C* SHALL PLACE A CALL IN PHASE 6 AND 8.

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

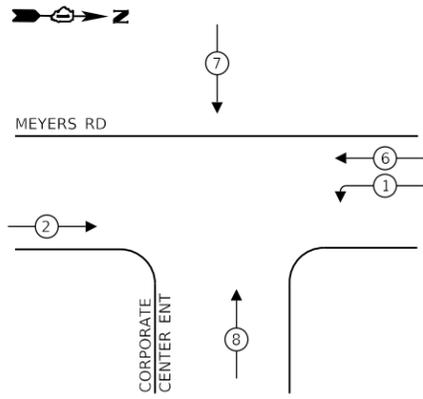
PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

	USER NAME = zhoerbert	DESIGNED - ZH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 MEYERS RD AND 22ND ST	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / in.	CHECKED - DW	REVISED -			VAR.	19-DCCSS-04-TL	DUPAGE	293	116
PLOT DATE = 6/13/2022	DATE -	REVISED -		SCALE:	SHEET 51	OF 96	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE



LEGEND:

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

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

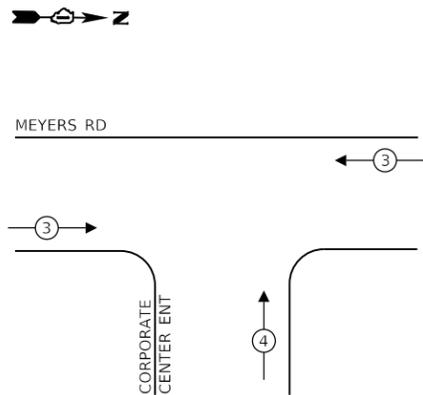
- 1 EACH CONTROLLER (ASC/2S-1000)
- 1 EACH SERVICE INSTALLATION

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

- 1 EACH MODEM
- 1 EACH MASTER CONTROLLER (ASC/2M-1000)

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	65
PERMISSIVE ARROW	4	10	10	4
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	-	75	100	-
TOTAL =				522

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

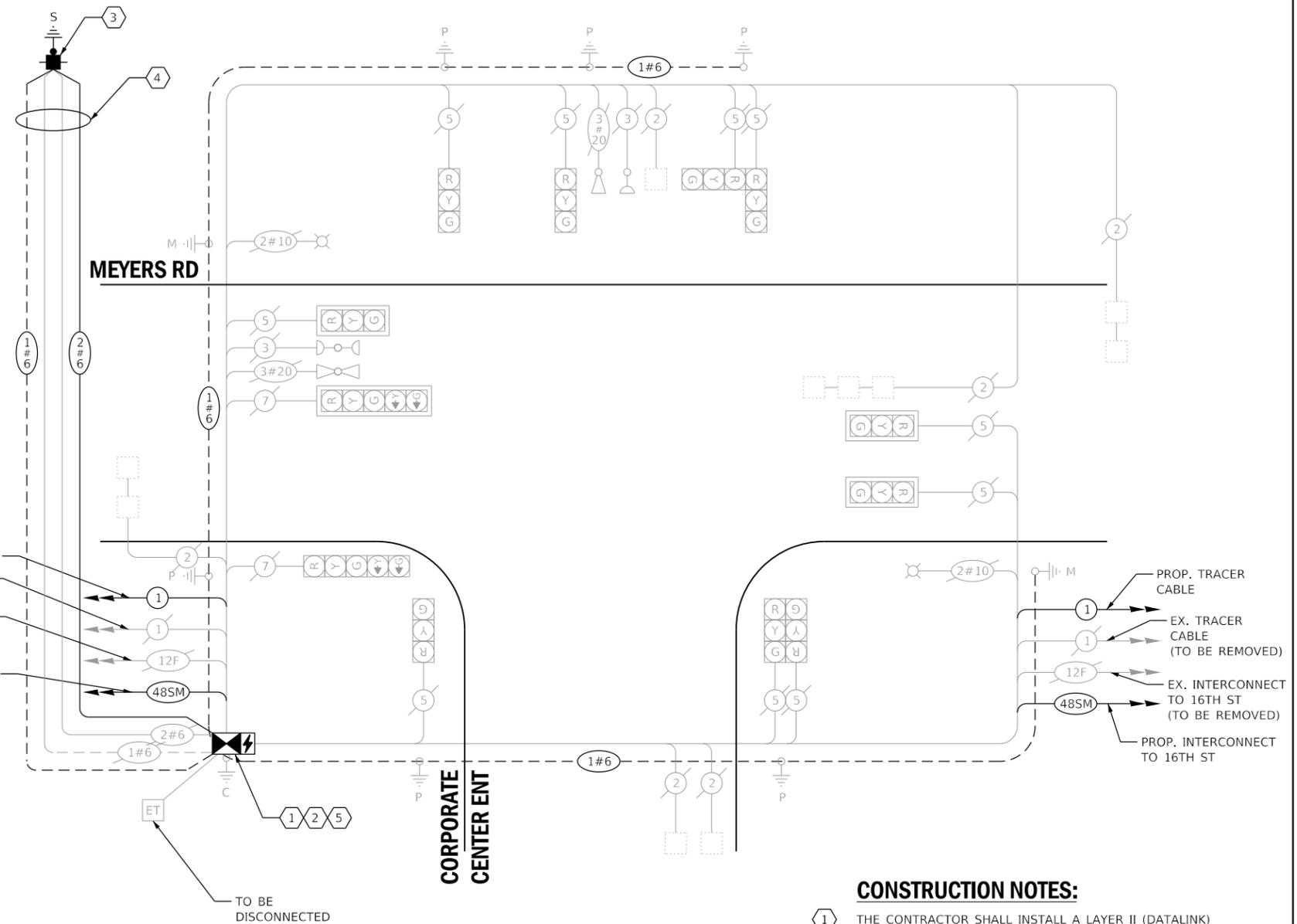
421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
130	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
130	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
220	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
110	FOOT	ROD AND CLEAN EXISTING CONDUIT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	SERVICE INSTALLATION (SPECIAL)
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL

- PROP. TRACER CABLE
- EX. TRACER CABLE (TO BE REMOVED)
- EX. INTERCONNECT TO 22ND ST (TO BE REMOVED)
- PROP. INTERCONNECT TO 22ND ST



CABLE PLAN

(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- 3 THE CONTRACTOR SHALL INSTALL A SERVICE INSTALLATION (SPECIAL).
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING CABLE AND INSTALL THE PROPOSED CABLE IN THE EXISTING CONDUIT (110-E-UNK).
- 5 THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.

DUDOT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
MEYERS RD AND CORPORATE CENTER ENT

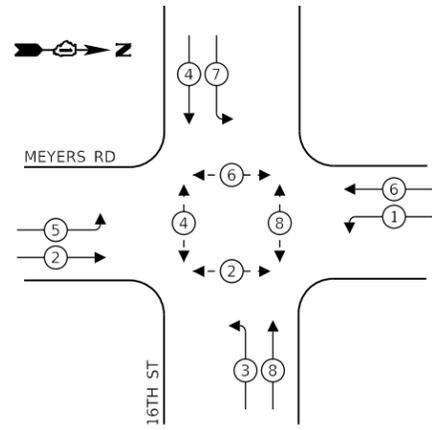
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-DCCSS-04-TL	DUPAGE	293	117
CONTRACT NO.			61H96	
ILLINOIS		FED. AID PROJECT		

SCALE: SHEET 52 OF 96 SHEETS STA. TO STA.



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

EXISTING CONTROLLER SEQUENCE



LEGEND:

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

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

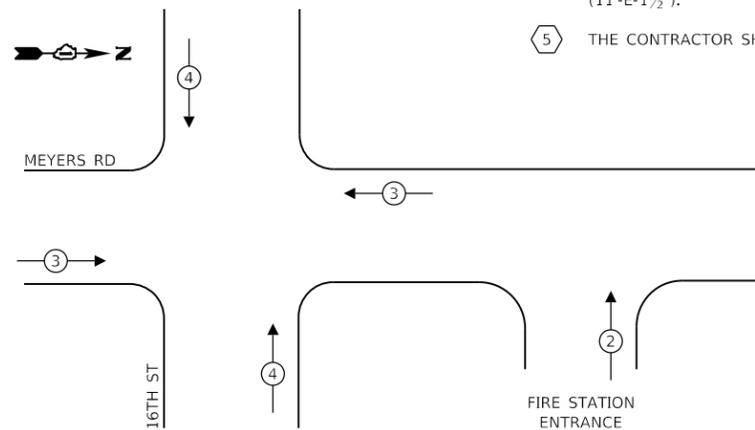
- 1 EACH CONTROLLER (ASC/2S-2100)
- 1 EACH SERVICE INSTALLATION

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- 3 THE CONTRACTOR SHALL INSTALL A SERVICE INSTALLATION (SPECIAL).
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING CABLE AND INSTALL THE PROPOSED CABLE IN THE EXISTING CONDUIT (11'-E-1 1/2").
- 5 THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.

NOTE:
THE HARDWARE PREEMPTION SEQUENCE SHALL CLEAR ALL PHASES AND STOP ALL MOVEMENTS AT THE INTERSECTION PRIOR TO SEQUENCING THE EMERGENCY VEHICLE PREEMPTION PHASE. THE EMERGENCY VEHICLE PREEMPTION PHASE SHALL SERVICE ONLY THE LEG OF INTERSECTION CONTAINING THE FIRE STATION ENTRANCE.

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	65
PERMISSIVE ARROW	16	10	10	16
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	-	75	100	-
TOTAL =				694

ENERGY COSTS TO:

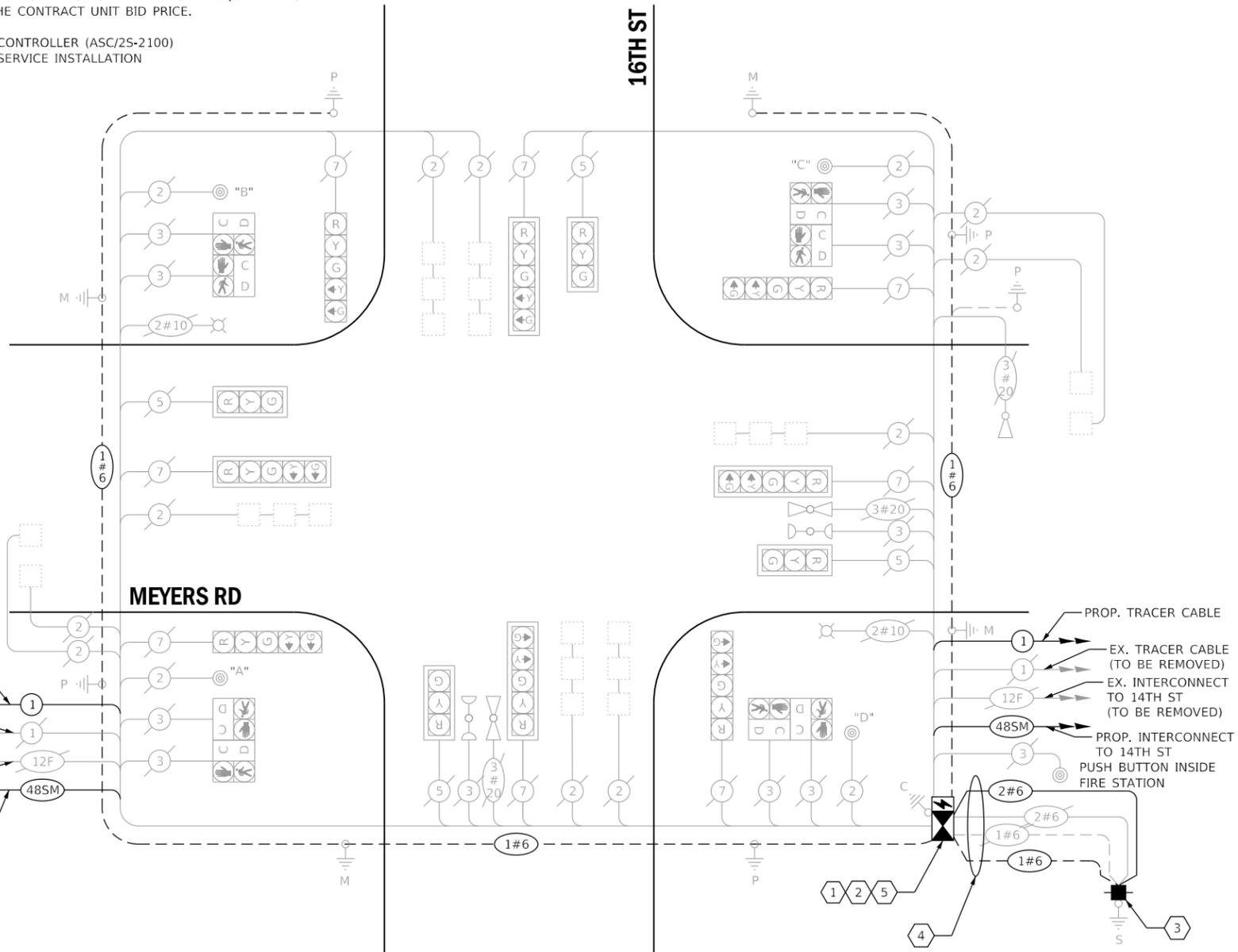
DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
31	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
31	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1 C
22	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
11	FOOT	ROD AND CLEAN EXISTING CONDUIT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	SERVICE INSTALLATION (SPECIAL)
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL



CABLE PLAN
(NOT TO SCALE)

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASE 2 AND 4
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASE 4 AND 6
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASE 6 AND 8
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASE 8 AND 2

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NCTIP (LATEST VERSION).

DUDOT



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 MEYERS RD AND 16TH ST

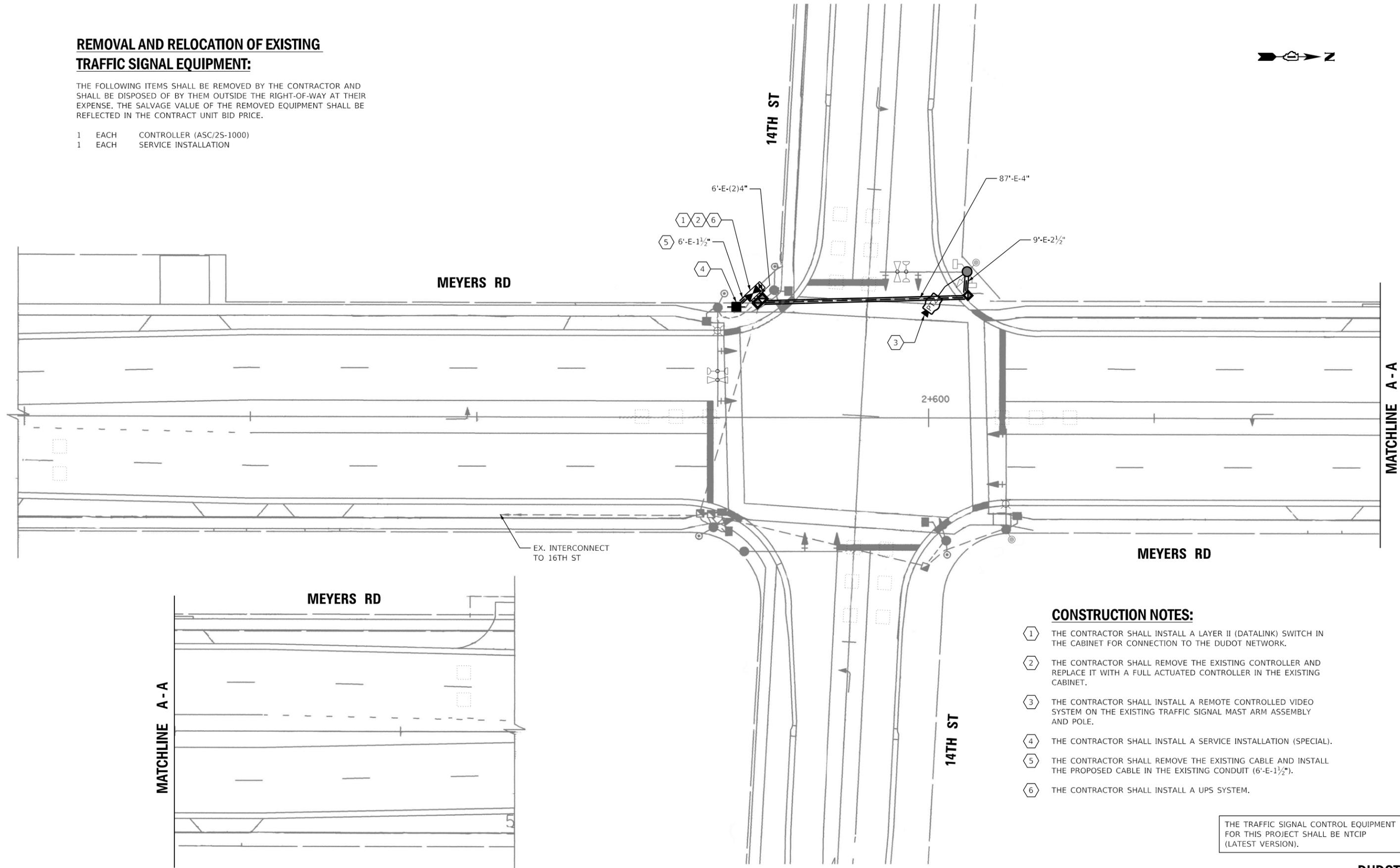
SCALE: SHEET 53 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	118
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/2S-1000)
- 1 EACH SERVICE INSTALLATION



CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- 3 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.
- 4 THE CONTRACTOR SHALL INSTALL A SERVICE INSTALLATION (SPECIAL).
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING CABLE AND INSTALL THE PROPOSED CABLE IN THE EXISTING CONDUIT (6'-E-1½").
- 6 THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/12/2022	DATE -	REVISED -

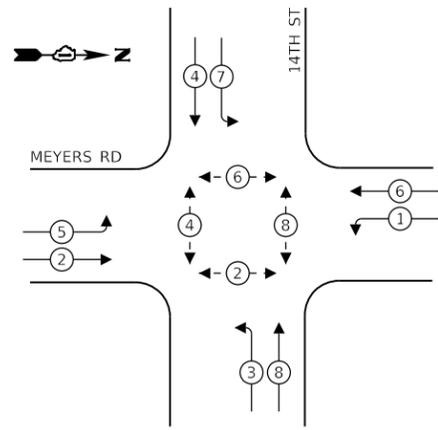
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
MEYERS RD AND 14TH ST

SCALE: 1"=20' SHEET 54 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	119
CONTRACT NO. 61H96				
ILLINOIS FED. AID PROJECT				

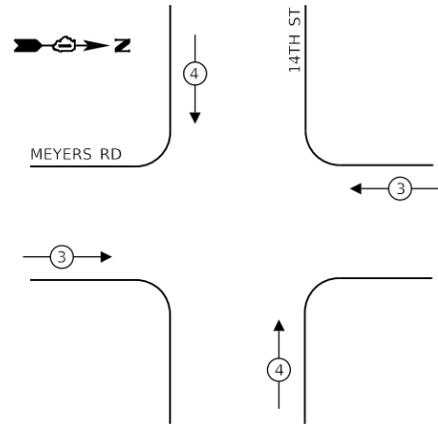
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	65
PERMISSIVE ARROW	16	10	10	16
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				769

ENERGY COSTS TO:

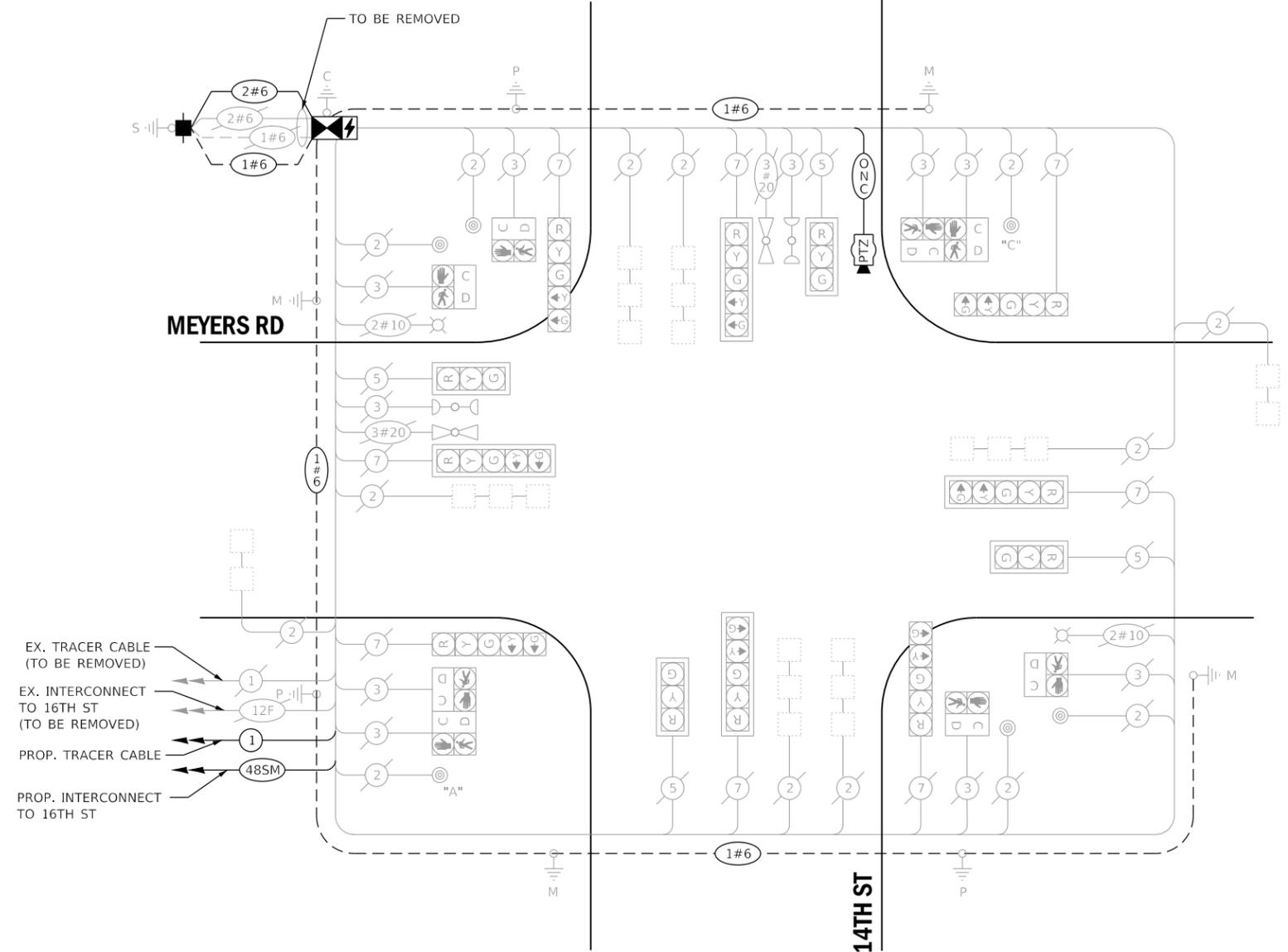
DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
26	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
12	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
6	FOOT	ROD AND CLEAN EXISTING CONDUIT
156	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	SERVICE INSTALLATION (SPECIAL)
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL



CABLE PLAN
(NOT TO SCALE)

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASE 2 AND 4.
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASE 6 AND 8.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NCTIP (LATEST VERSION).

DUDOT



USER NAME = dwiktorzak
DESIGNED - ZH
DRAWN - RG
PLOT SCALE = 40.0000 ' / in.
CHECKED - DW
PLOT DATE = 6/12/2022
DATE -

REVISOR -
REVISION -
REVISOR -
REVISION -
REVISOR -
REVISION -

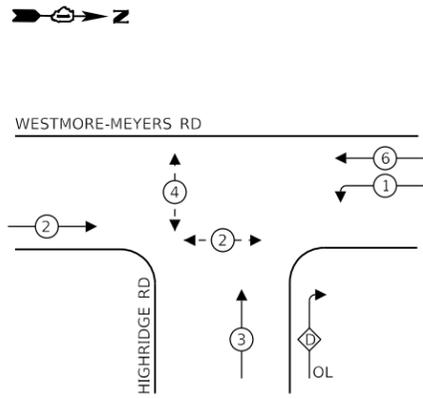
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
MEYERS RD AND 14TH ST**

SCALE: SHEET 55 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	120
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



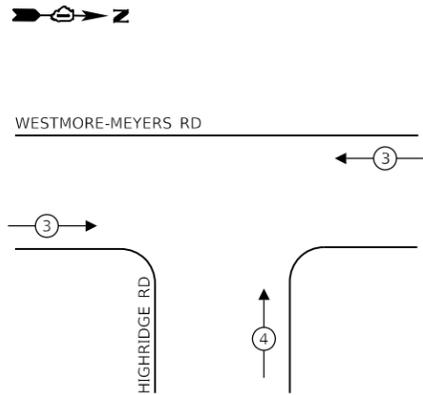
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 3	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/25-2100) AND CABINET (COMPLETE)
- 1 EACH WIRELESS INTERCONNECT
- 1 EACH VIDEO DETECTION (COMPLETE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55
(YELLOW)	10	20	5	10
(GREEN)	10	12	45	54
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	4	20	100	80
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	-	75	100	-
TOTAL =				732

ENERGY COSTS TO:

VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

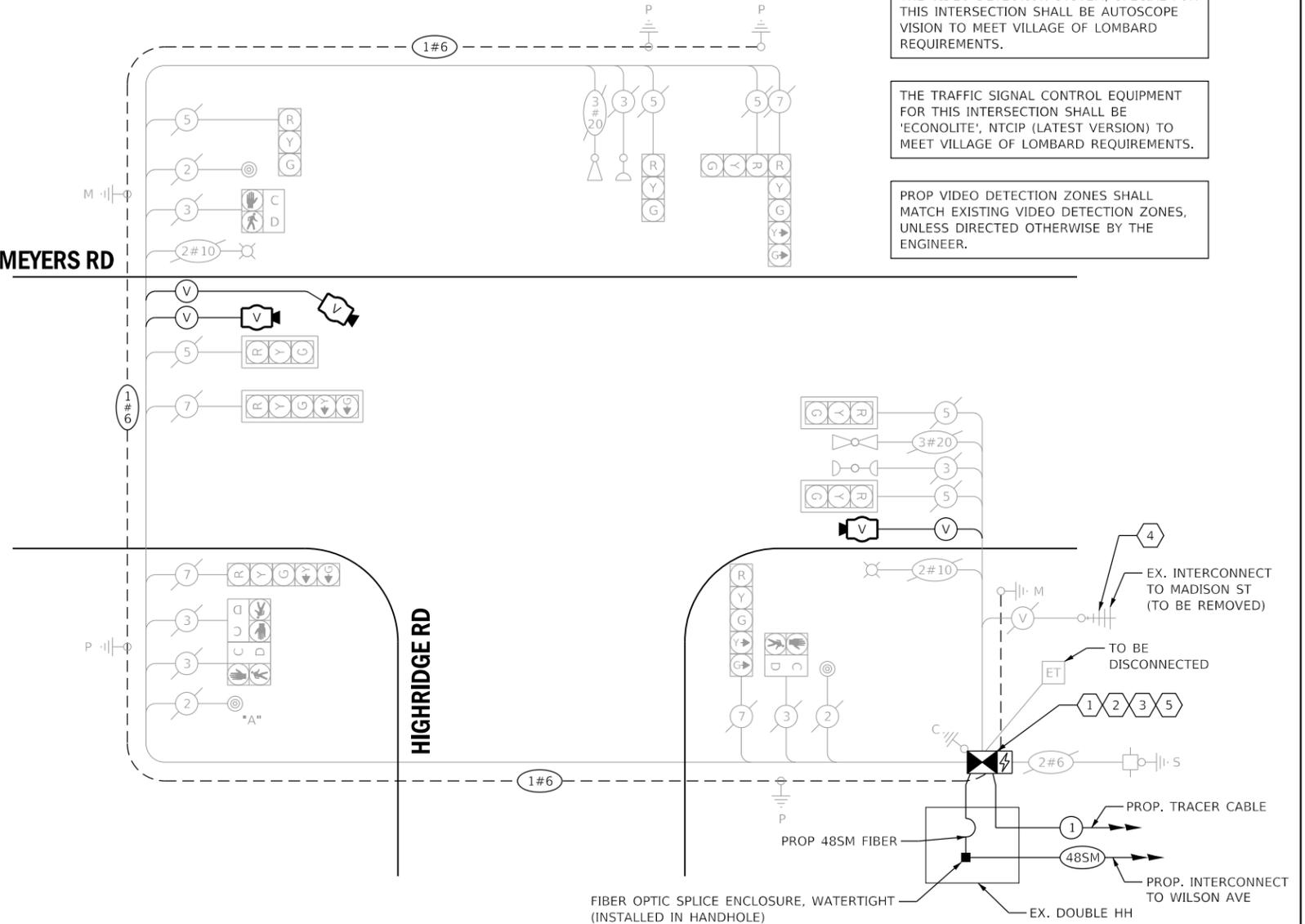
ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
272	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL

WESTMORE-MEYERS RD

HIGHRIDGE RD



CABLE PLAN
(NOT TO SCALE)

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASE 2 AND 4.

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- 3 THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING VEHICLE DETECTION SYSTEM AND INSTALL THE PROPOSED VIDEO DETECTION SYSTEM, SPECIAL.

LOMBARD
TS 18

	USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 WESTMORE-MEYERS RD AND HIGHRIDGE RD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / in.	CHECKED - DW	REVISED -			VAR.	19-DCCSS-04-TL	DUPAGE	293	121
PLOT DATE = 6/12/2022	DATE -	REVISED -		SCALE:	SHEET 56 OF 96 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/2S-2100) AND CABINET (COMPLETE)
- 1 EACH WIRELESS INTERCONNECT
- 1 EACH VIDEO DETECTION (COMPLETE)

CONSTRUCTION NOTES:

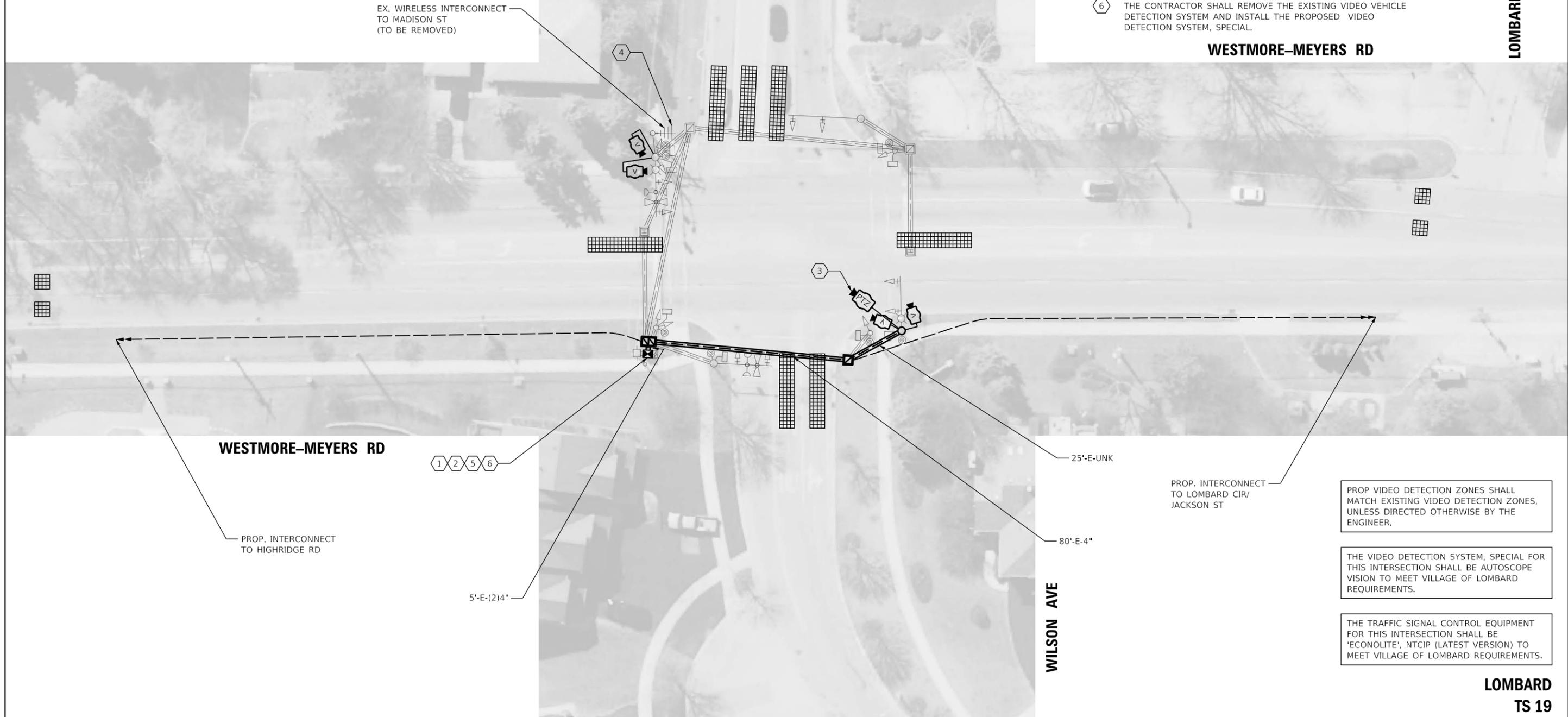
- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- 3 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.
- 5 THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.
- 6 THE CONTRACTOR SHALL REMOVE THE EXISTING VIDEO VEHICLE DETECTION SYSTEM AND INSTALL THE PROPOSED VIDEO DETECTION SYSTEM, SPECIAL.



WILSON AVE

LOMBARD CIRCLE

WESTMORE-MEYERS RD



PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

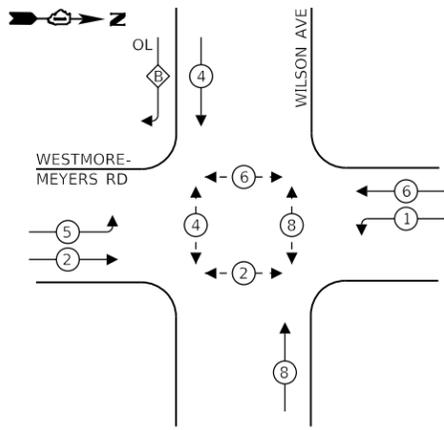
THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

LOMBARD TS 19

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 WESTMORE-MEYERS RD AND WILSON AVE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -			VAR.	19-DCCSS-04-TL	DUPAGE	293	122
	PLOT DATE = 6/12/2022	DATE -	REVISED -			CONTRACT NO. 61H96				
	SCALE: 1"=20'					SHEET 57 OF 96 SHEETS STA. TO STA.				

EXISTING CONTROLLER SEQUENCE



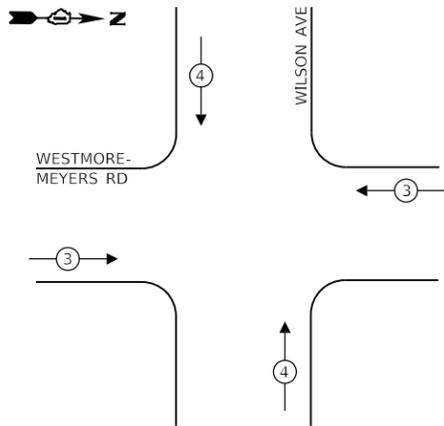
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77
(YELLOW)	14	20	5	14
(GREEN)	14	12	45	76
PERMISSIVE ARROW	12	10	10	12
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				939

ENERGY COSTS TO:

VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
5	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
556	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
164	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL

WESTMORE-MEYERS RD

WILSON AVE

PROP. TRACER CABLE
PROP. INTERCONNECT TO HIGHRIDGE RD

PROP TRACER CABLE (2)
PROP 48SM FIBER
EX. DOUBLE HH
FIBER OPTIC SPLICE ENCLOSURE, WATERTIGHT (INSTALLED IN HANDHOLE)

PROP. TRACER CABLE
PROP. INTERCONNECT TO LOMBARD CIR/JACKSON ST

CABLE PLAN
(NOT TO SCALE)

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

PUSH BUTTON "C" SHALL PLACE A CALL IN PHASE 6 AND 8.

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

LOMBARD TS 19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 WESTMORE-MEYERS RD AND WILSON AVE

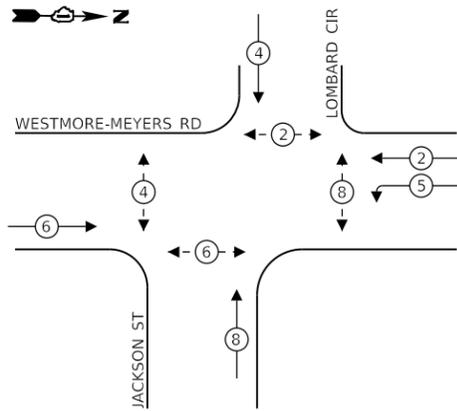
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	123
CONTRACT NO. 61H96			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 58 OF 96 SHEETS STA. TO STA.

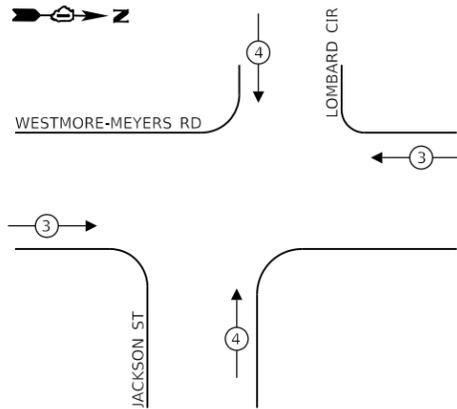


USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- 3 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.
- 4 THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.
- 5 THE CONTRACTOR SHALL INSTALL A VIDEO DETECTION SYSTEM, SPECIAL.

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/25-2100) AND CABINET (COMPLETE)
- 1 EACH WIRELESS INTERCONNECT
- 1 EACH VIDEO DETECTION (COMPLETE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55
(YELLOW)	10	20	5	10
(GREEN)	10	12	45	54
PERMISSIVE ARROW	4	10	10	4
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	-	75	100	-
TOTAL =				808

ENERGY COSTS TO:

VILLAGE OF LOMBARD

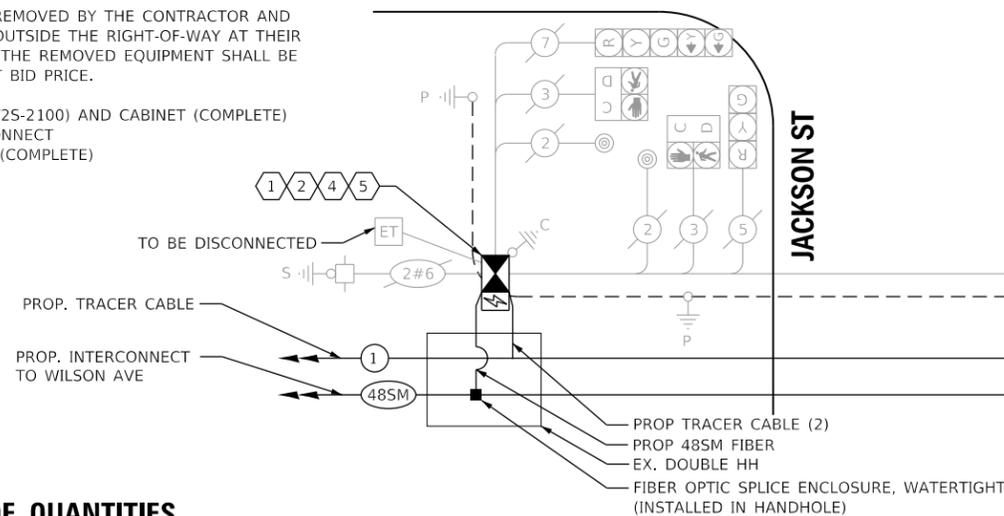
255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

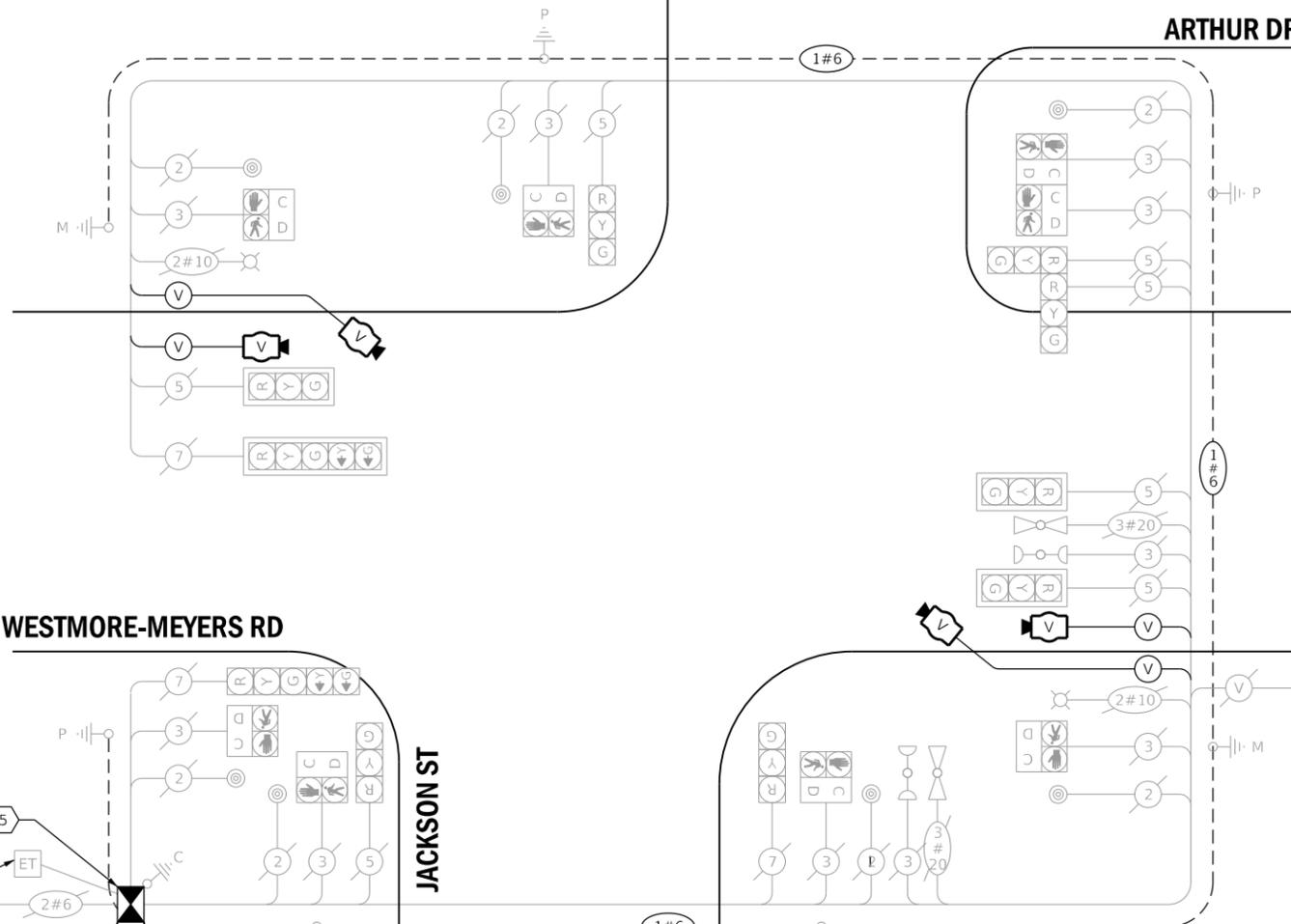
SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
617	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL

WESTMORE-MEYERS RD



LOMBARD CIR



ARTHUR DR

JACKSON ST

CABLE PLAN
(NOT TO SCALE)

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

LOMBARD TS 20

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 WESTMORE-MEYERS RD AND LOMBARD CIR/JACKSON ST

SCALE: SHEET 59 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	124
CONTRACT NO. 61H96				



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CABINET (COMPLETE)
- 2 EACH WIRELESS INTERCONNECT
- 1 EACH VIDEO DETECTION (COMPLETE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: VILLAGE OF LOMBARD

- 1 EACH CONTROLLER (ASC/3-2100)

AGENCY: DUPAGE DIVISION OF TRANSPORTATION

- 1 EACH MODEM
- 1 EACH MASTER CONTROLLER (ASC/2M-1000)



MADISON ST

WESTMORE-MEYERS RD

ARTHUR DR

EX. WIRELESS INTERCONNECT TO HIGHRIDGE RD, WILSON AVE, AND LOMBARD CIR/JACKSON ST (TO BE REMOVED)

10'-E-(2)4"

EX. WIRELESS INTERCONNECT TO WASHINGTON BLVD AND MAPLE ST (TO BE REMOVED)

9'-E-UNK

WESTMORE-MEYERS RD

PROP. INTERCONNECT TO LOMBARD CIR/JACKSON ST

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

CONSTRUCTION NOTES:

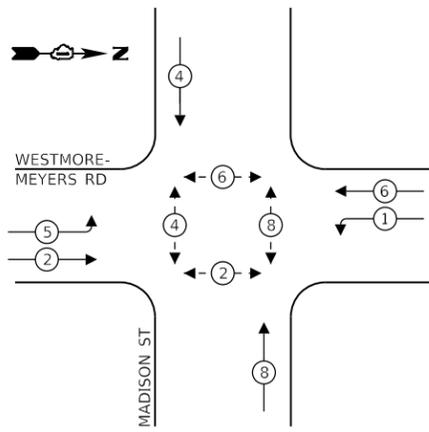
- ① THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE EXISTING CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- ③ THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- ④ THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.
- ⑤ THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.
- ⑥ THE CONTRACTOR SHALL REMOVE THE EXISTING VEHICLE DETECTION SYSTEM AND INSTALL THE PROPOSED VIDEO DETECTION SYSTEM, SPECIAL.

MADISON ST

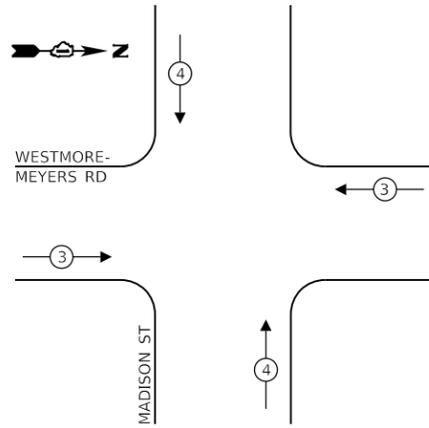
LOMBARD TS 21

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 WESTMORE-MEYERS RD AND MADISON ST	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -			VAR.	19-DCCSS-04-TL	DUPAGE	293	125	
	PLOT DATE = 6/12/2022	DATE -	REVISED -	SCALE: 1"=20'	SHEET 60 OF 96 SHEETS	STA.	TO STA.	CONTRACT NO. 61H96			
								ILLINOIS FED. AID PROJECT			

EXISTING CONTROLLER SEQUENCE



**EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



LEGEND:

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

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11	11	50	61
(YELLOW)	11	20	5	11
(GREEN)	11	12	45	59
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				899

ENERGY COSTS TO:

VILLAGE OF LOMBARD

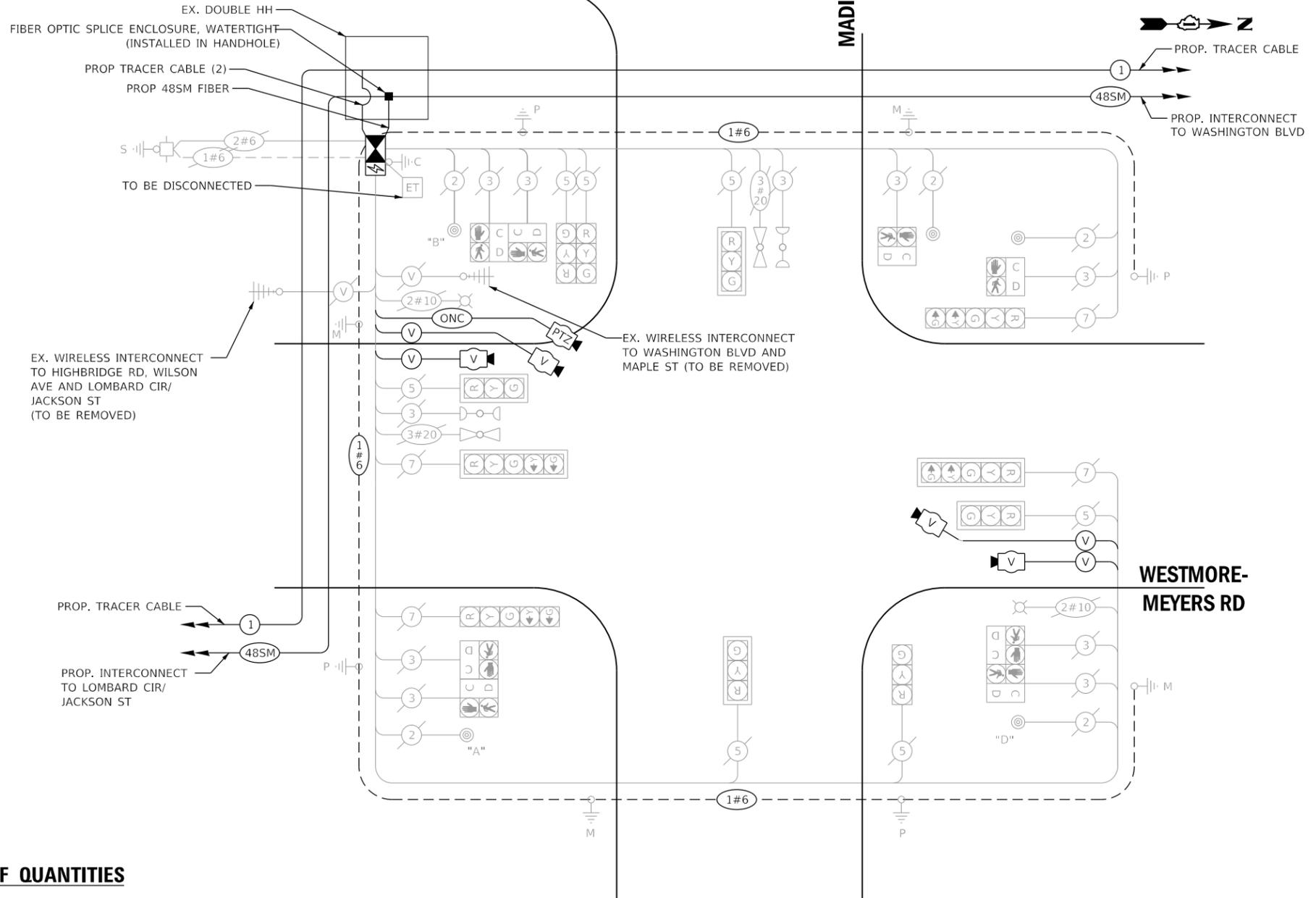
255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER: _____

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
398	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
67	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL

ARTHUR DR



PUSH BUTTON "A" SHALL PLACE A CALL IN PHASE 2 AND 4.
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASE 4 AND 6.
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASE 8 AND 2.

**CABLE PLAN
(NOT TO SCALE)**

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

**LOMBARD
TS 21**



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
WESTMORE-MEYERS RD AND MADISON ST**

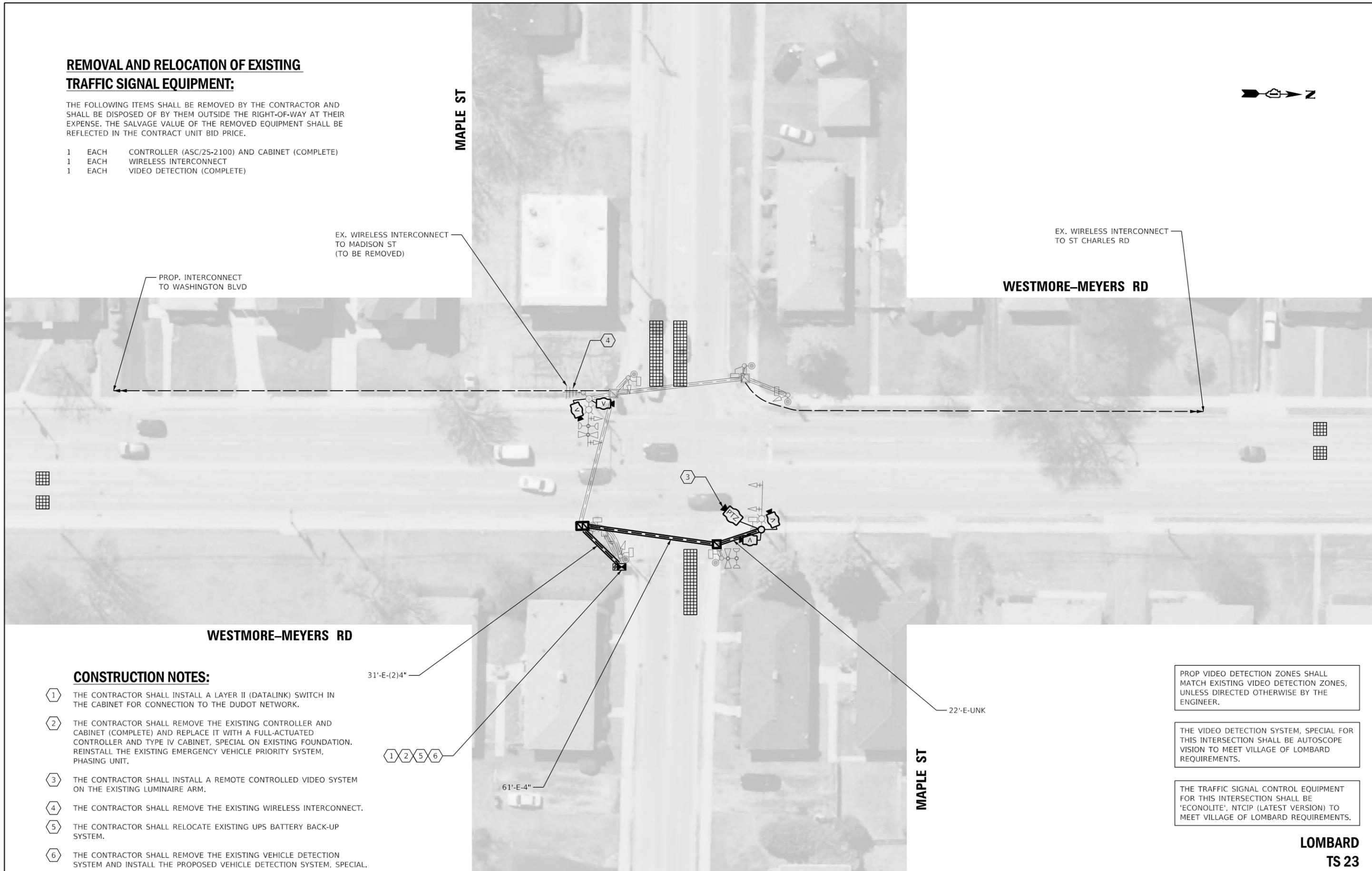
SCALE: SHEET 61 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	126
CONTRACT NO. 61H96			ILLINOIS FED. AID PROJECT	

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/25-2100) AND CABINET (COMPLETE)
- 1 EACH WIRELESS INTERCONNECT
- 1 EACH VIDEO DETECTION (COMPLETE)



WESTMORE-MEYERS RD

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- ③ THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- ④ THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.
- ⑤ THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.
- ⑥ THE CONTRACTOR SHALL REMOVE THE EXISTING VEHICLE DETECTION SYSTEM AND INSTALL THE PROPOSED VEHICLE DETECTION SYSTEM, SPECIAL.

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

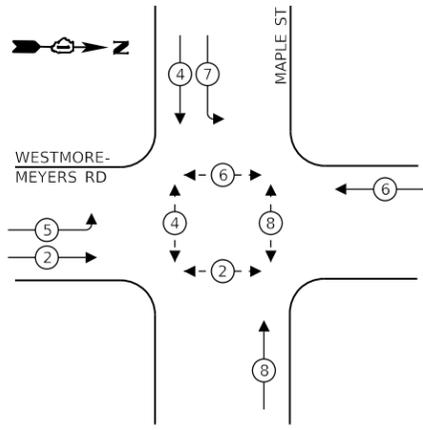
THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

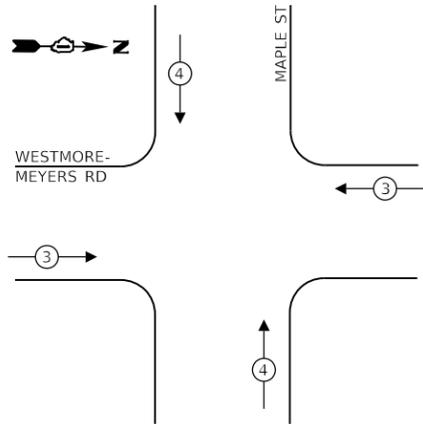
LOMBARD TS 23

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 WESTMORE-MEYERS RD AND MAPLE ST	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -			VAR.	19-DCCSS-04-TL	DUPAGE	293	128
	PLOT DATE = 6/12/2022	DATE -	REVISED -	SCALE: 1"=20'		SHEET 63 OF 96 SHEETS		STA. TO STA.		CONTRACT NO. 61H96
ILLINOIS FED. AID PROJECT										

EXISTING CONTROLLER SEQUENCE



**EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



LEGEND:

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

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55
(YELLOW)	10	20	5	10
(GREEN)	10	12	45	54
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				887

ENERGY COSTS TO:

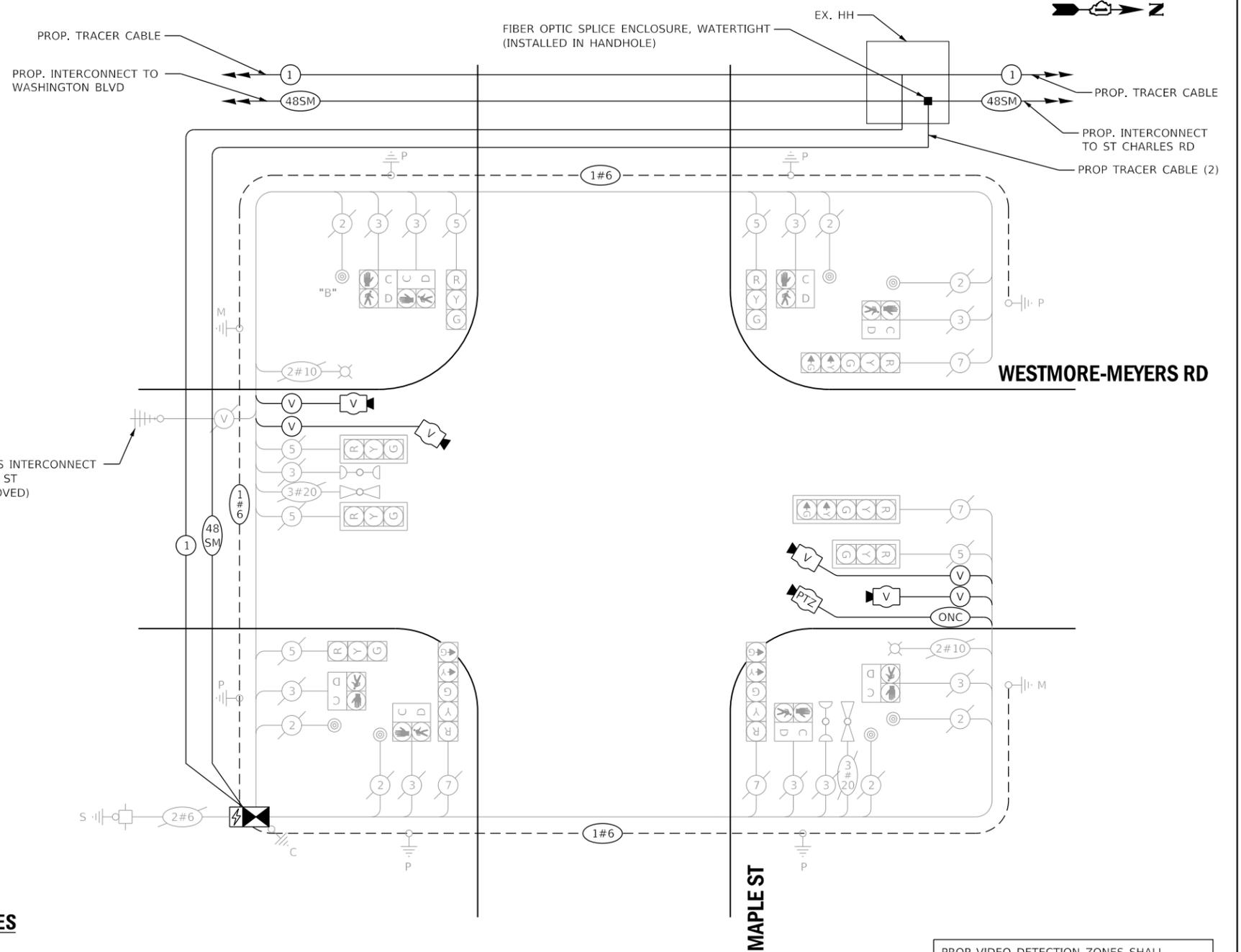
VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER: _____

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
549	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
168	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL



**CABLE PLAN
(NOT TO SCALE)**

PUSH BUTTON "B" SHALL PLACE A CALL IN PHASE 4 AND 6.

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

**LOMBARD
TS 23**



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
WESTMORE-MEYERS RD AND MAPLE ST**

SCALE: SHEET 64 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	129
			CONTRACT NO.	61H96
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

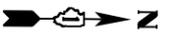
- 1 EACH CONTROLLER (ASC/2S-1000) AND CABINET (COMPLETE)
- 1 EACH VIDEO DETECTION (COMPLETE)

PROP. INTERCONNECT TO MAPLE ST

GREAT WESTERN TRAIL

MATCHLINE A - A

ST CHARLES RD



WESTMORE-MEYERS RD

11'-E-UNK

15'-E-(2)4"

1 2 4 5 6 7

A

R

WESTMORE-MEYERS RD

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- 3 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- 4 THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING VEHICLE DETECTION SYSTEM AND INSTALL THE PROPOSED VEHICLE DETECTION SYSTEM, SPECIAL.
- 6 THE CONTRACTOR SHALL RELOCATE THE EXISTING TRANSCEIVER (IFS D2125 FIBER OPTIC LINK SINGLE MODE).
- 7 THE CONTRACTOR SHALL INSTALL A TERMINAL SERVER.

THIS INTERSECTION SHALL REMAIN ON THE IDOT CLOSED LOOP SYSTEM "ECON 36".

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE CONTROLLER SHALL CONTINUE OPERATING WITH THE IDOT CLOSED LOOP SYSTEM. THE LAYER II SWITCH, VIDEO DETECTION AND PTZ CAMERA WILL BE CONFIGURED AND CONNECTED TO OPERATE WITHIN THE DUDOT CENTRAL SIGNAL SYSTEM FIELD NETWORK.

**LOMBARD
TS 24
ECON 36**

MATCHLINE B - B

ST CHARLES RD



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/12/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
WESTMORE-MEYERS RD AND ST CHARLES RD**

SCALE: 1"=20' SHEET 65 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	130
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



ST CHARLES RD

MATCHLINE A - A



ST CHARLES RD

MATCHLINE B - B

THIS INTERSECTION SHALL REMAIN ON THE IDOT CLOSED LOOP SYSTEM "ECON 36".

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE CONTROLLER SHALL CONTINUE OPERATING WITH THE IDOT CLOSED LOOP SYSTEM. THE LAYER II SWITCH, VIDEO DETECTION AND PTZ CAMERA WILL BE CONFIGURED AND CONNECTED TO OPERATE WITHIN THE DUDOT CENTRAL SIGNAL SYSTEM FIELD NETWORK.

**LOMBARD
TS 24
ECON 36**

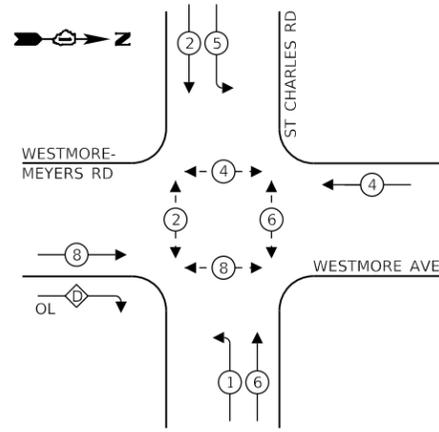
	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 6/12/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
WESTMORE-MEYERS RD AND ST CHARLES RD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	131
CONTRACT NO.			61H96	
SCALE:		SHEET 66 OF 96 SHEETS	STA.	TO STA.
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



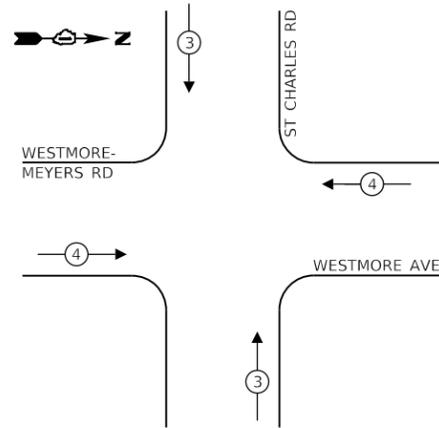
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77
(YELLOW)	14	20	5	14
(GREEN)	14	12	45	76
PERMISSIVE ARROW	12	10	10	12
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				939

ENERGY COSTS TO:

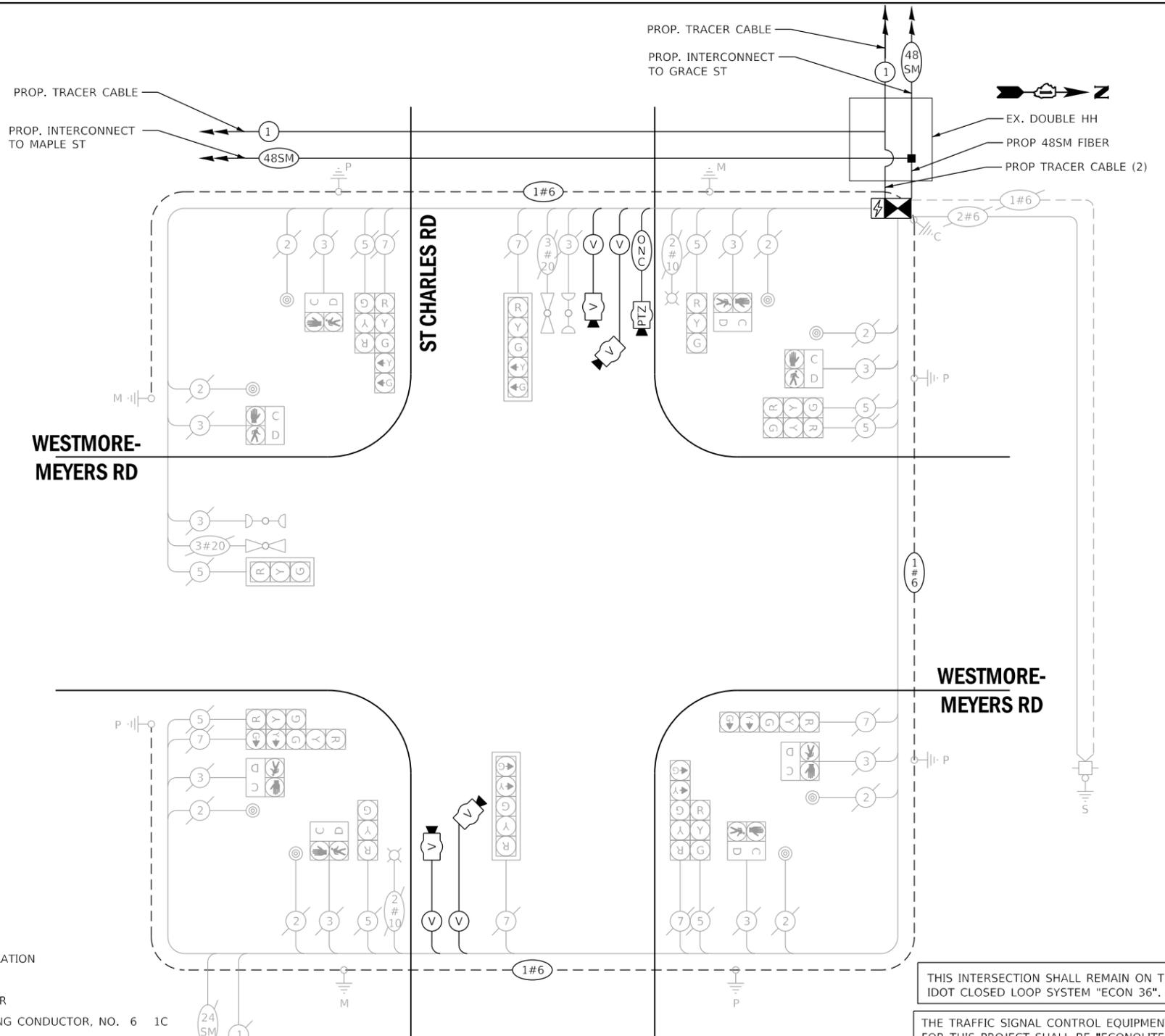
VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER: _____

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRANSCEIVER - FIBER OPTIC
4	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
386	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
3	EACH	REMOVE EXISTING HANDHOLE
94	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM
1	EACH	RELOCATE EXISTING TRANSCEIVER
1	EACH	TERMINAL SERVER
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL



CABLE PLAN
(NOT TO SCALE)

THIS INTERSECTION SHALL REMAIN ON THE IDOT CLOSED LOOP SYSTEM "ECON 36".

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

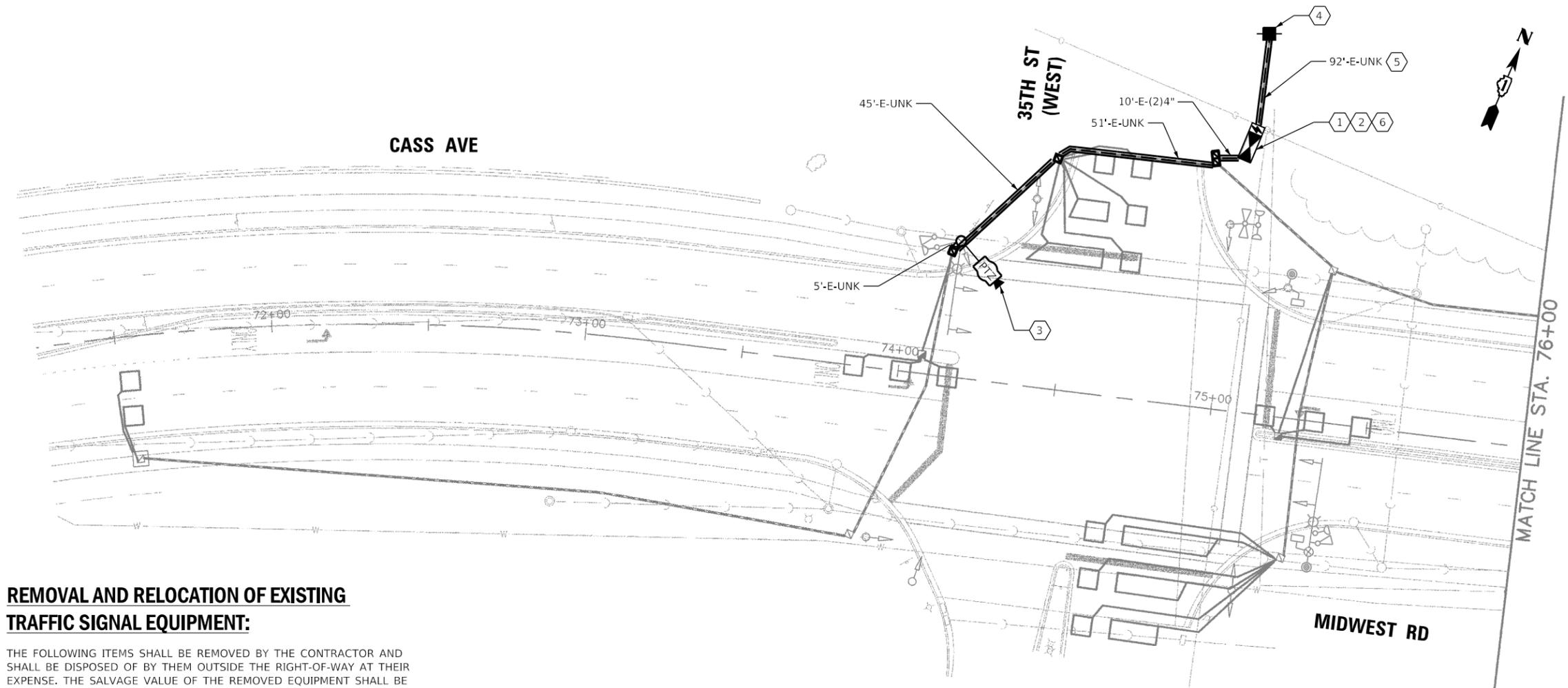
THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE CONTROLLER SHALL CONTINUE OPERATING WITH THE IDOT CLOSED LOOP SYSTEM. THE LAYER II SWITCH, VIDEO DETECTION AND PTZ CAMERA WILL BE CONFIGURED AND CONNECTED TO OPERATE WITHIN THE DUDOT CENTRAL SIGNAL SYSTEM FIELD NETWORK.

LOMBARD
TS24
ECON 36

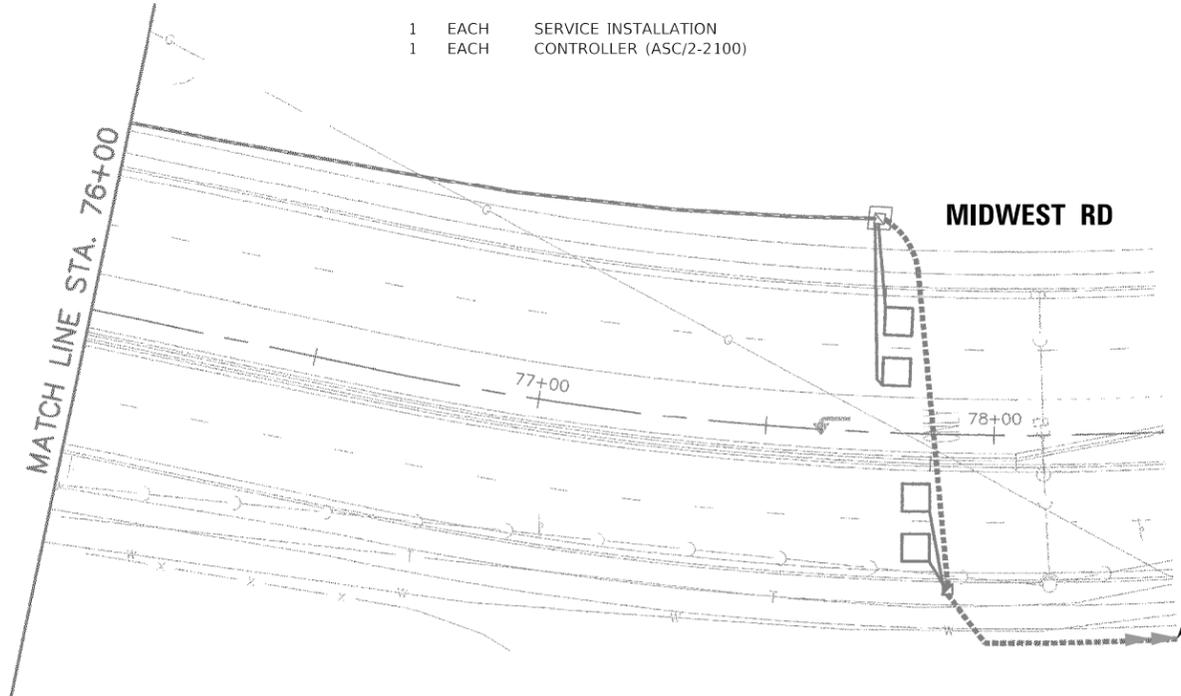
	USER NAME = zhoerbert	DESIGNED - ZH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 WESTMORE-MEYERS RD AND ST CHARLES RD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED - DW	REVISED -			VAR.	19-DCCSS-04-TL	DUPAGE	293	132
PLOT DATE = 6/13/2022	DATE -	REVISED -		SCALE:	SHEET 67 OF 96 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 61H96



REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH SERVICE INSTALLATION
- 1 EACH CONTROLLER (ASC/2-2100)



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- ③ THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.
- ④ THE CONTRACTOR SHALL INSTALL A SERVICE INSTALLATION (SPECIAL).
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING CABLE AND INSTALL THE PROPOSED CABLE IN THE EXISTING CONDUIT.
- ⑥ THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/12/2022	DATE -	REVISED -

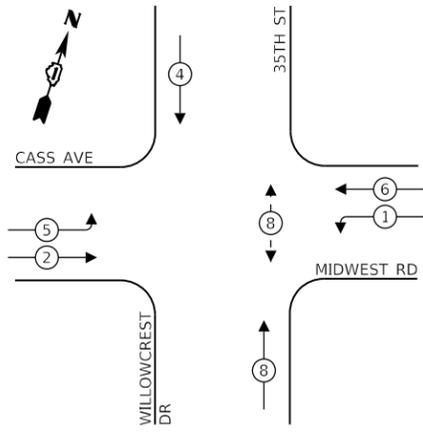
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
MIDWEST RD AND 35TH ST (SOUTH)

SCALE: 1"=20' SHEET 68 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	133
			CONTRACT NO. 61H96	
		ILLINOIS FED. AID PROJECT		

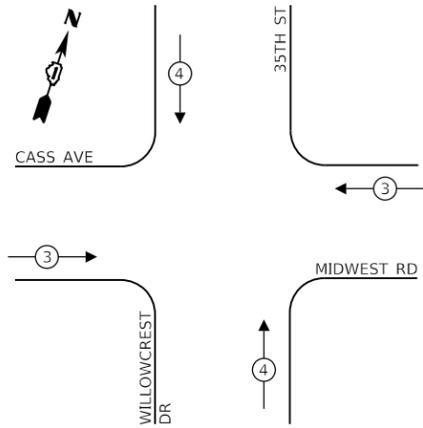
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← ⊛ → PROTECTED PHASE
- ← ⊛ - PROTECTED/PERMITTED PHASE
- ← ⊛ → PEDESTRIAN PHASE
- ← ⊛ OL → OVERLAP

**EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	65
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				641

ENERGY COSTS TO:

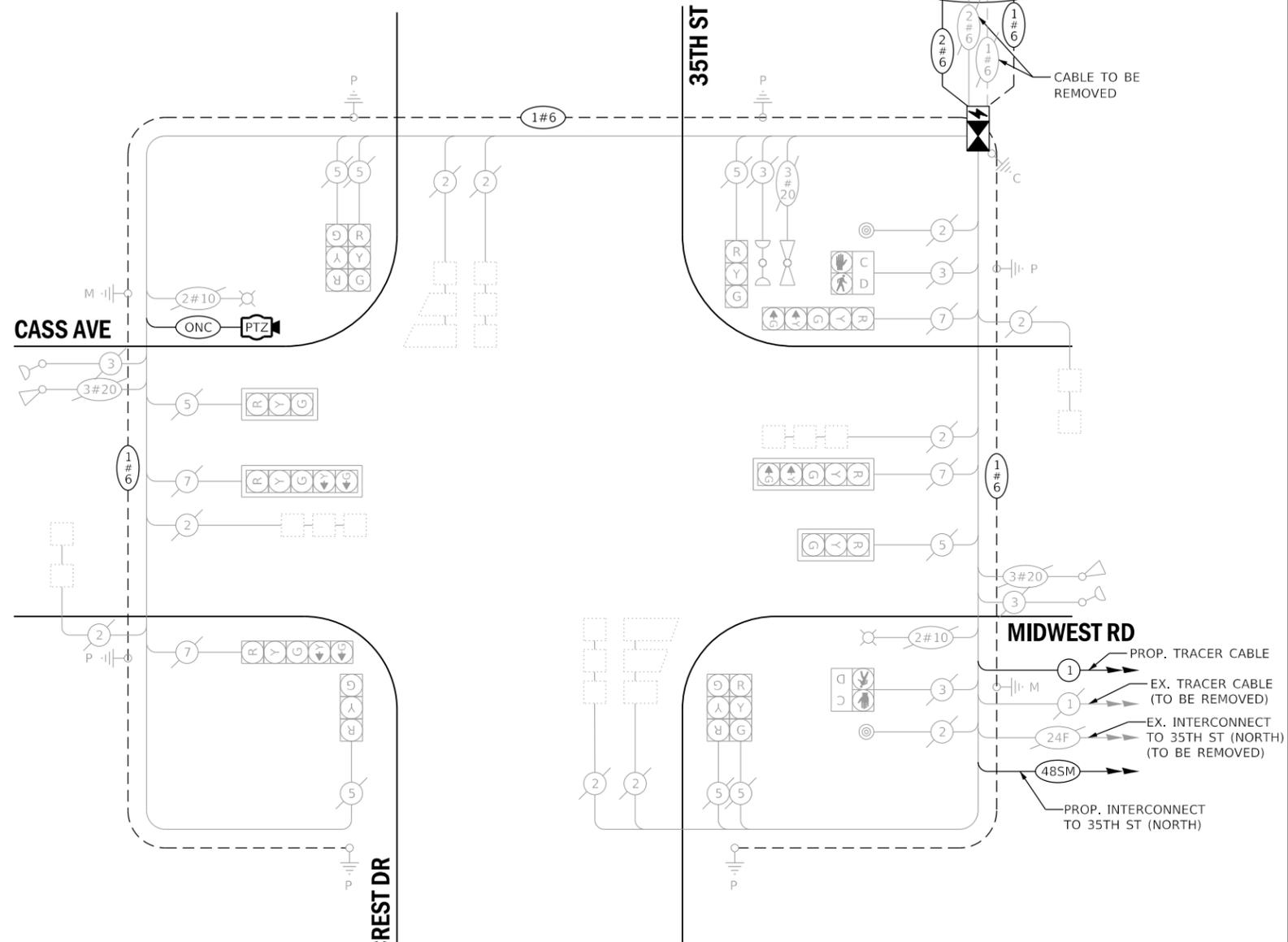
DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER: _____

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
6	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
112	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
184	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
92	FOOT	ROD AND CLEAN EXISTING CONDUIT
172	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	SERVICE INSTALLATION (SPECIAL)
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL



CABLE PLAN
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT



USER NAME = dwiktorzak
DESIGNED - ZH
DRAWN - RG
PLOT SCALE = 40.0000 ' / in.
CHECKED - DW
PLOT DATE = 6/12/2022
DATE -

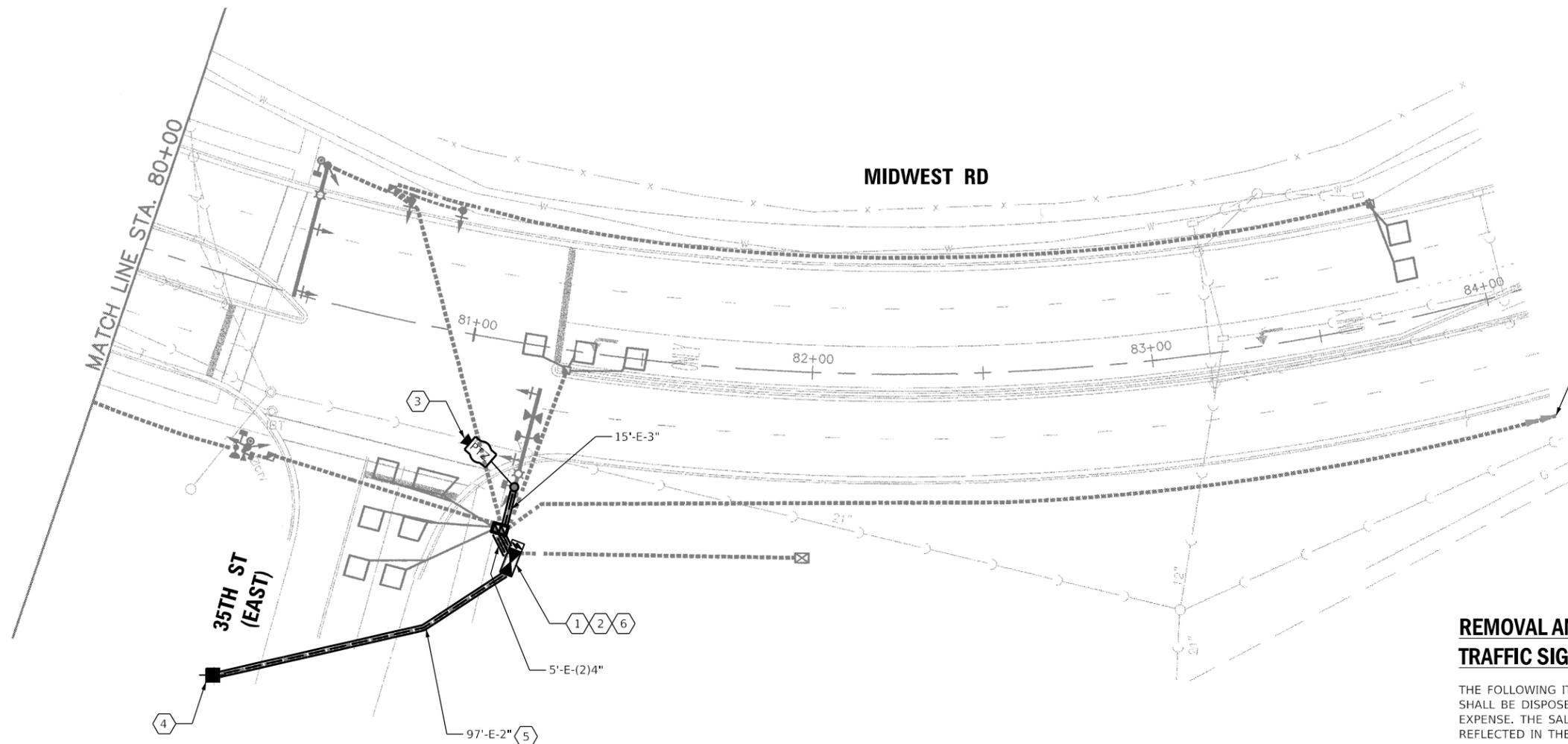
REVISIED -
REVISIED -
REVISIED -
REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
CASS AVE/MIDWEST RD AND 35TH ST/WILLOW CREST DR**

SCALE: SHEET 69 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCS-04-TL	DUPAGE	293	134
		CONTRACT NO.		61H96
		ILLINOIS		FED. AID PROJECT



REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

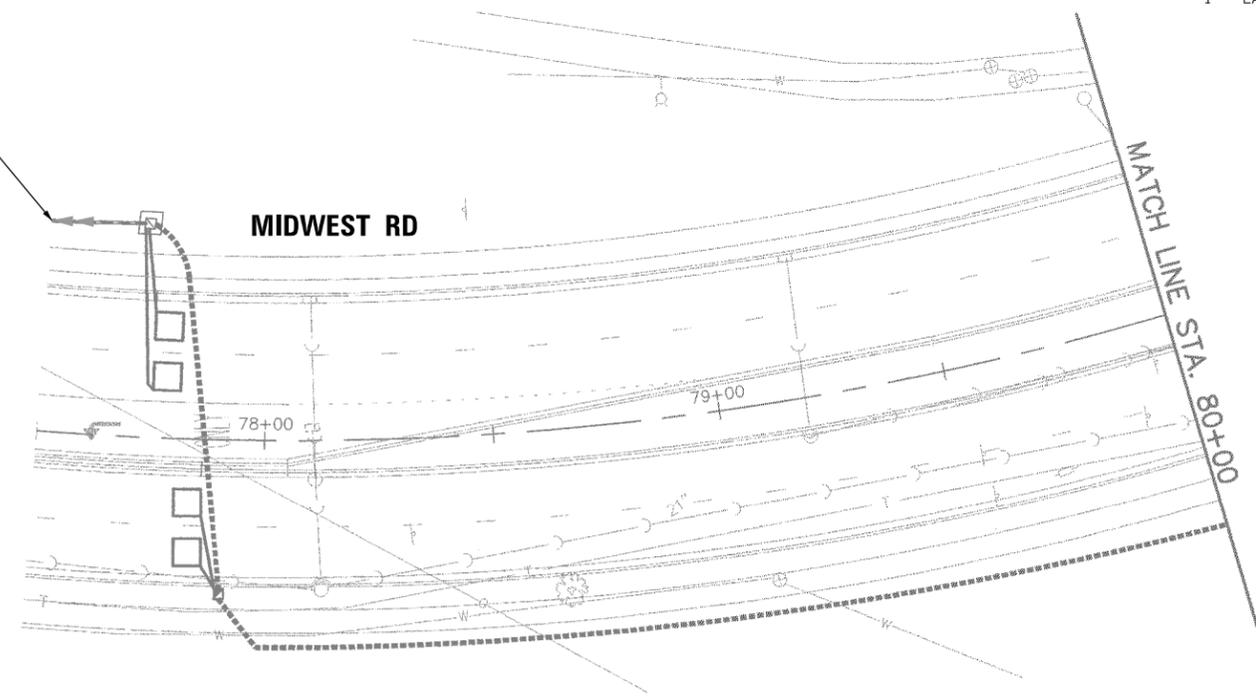
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT BID PRICE.

- 1 EACH CONTROLLER (ASC/2S-1000)
- 1 EACH SERVICE INSTALLATION

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- 3 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.
- 4 THE CONTRACTOR SHALL INSTALL A SERVICE INSTALLATION (SPECIAL).
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING CABLE AND INSTALL THE PROPOSED CABLE IN THE EXISTING CONDUIT.
- 6 THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.

EX. INTERCONNECT TO 35TH ST/WILLOWCREST DR



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/12/2022	DATE -	REVISED -

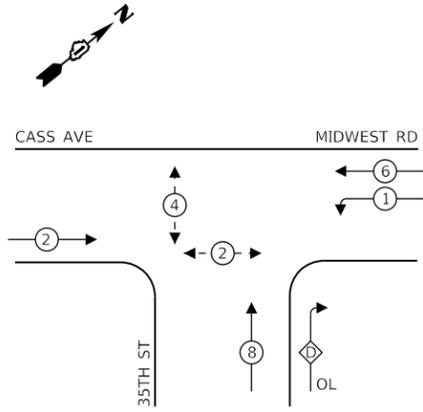
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
MIDWEST RD AND 35TH ST (NORTH)

SCALE: 1"=20' SHEET 70 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	135
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



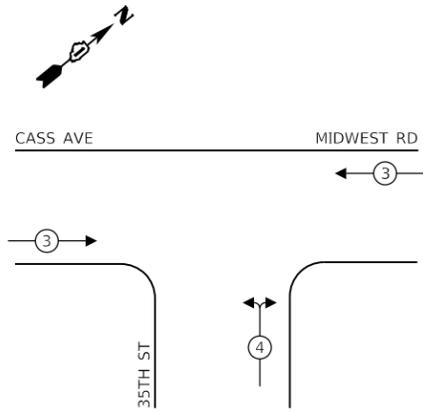
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11	11	50	61
(YELLOW)	11	20	5	11
(GREEN)	11	12	45	60
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	4	20	100	80
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				670

ENERGY COSTS TO:

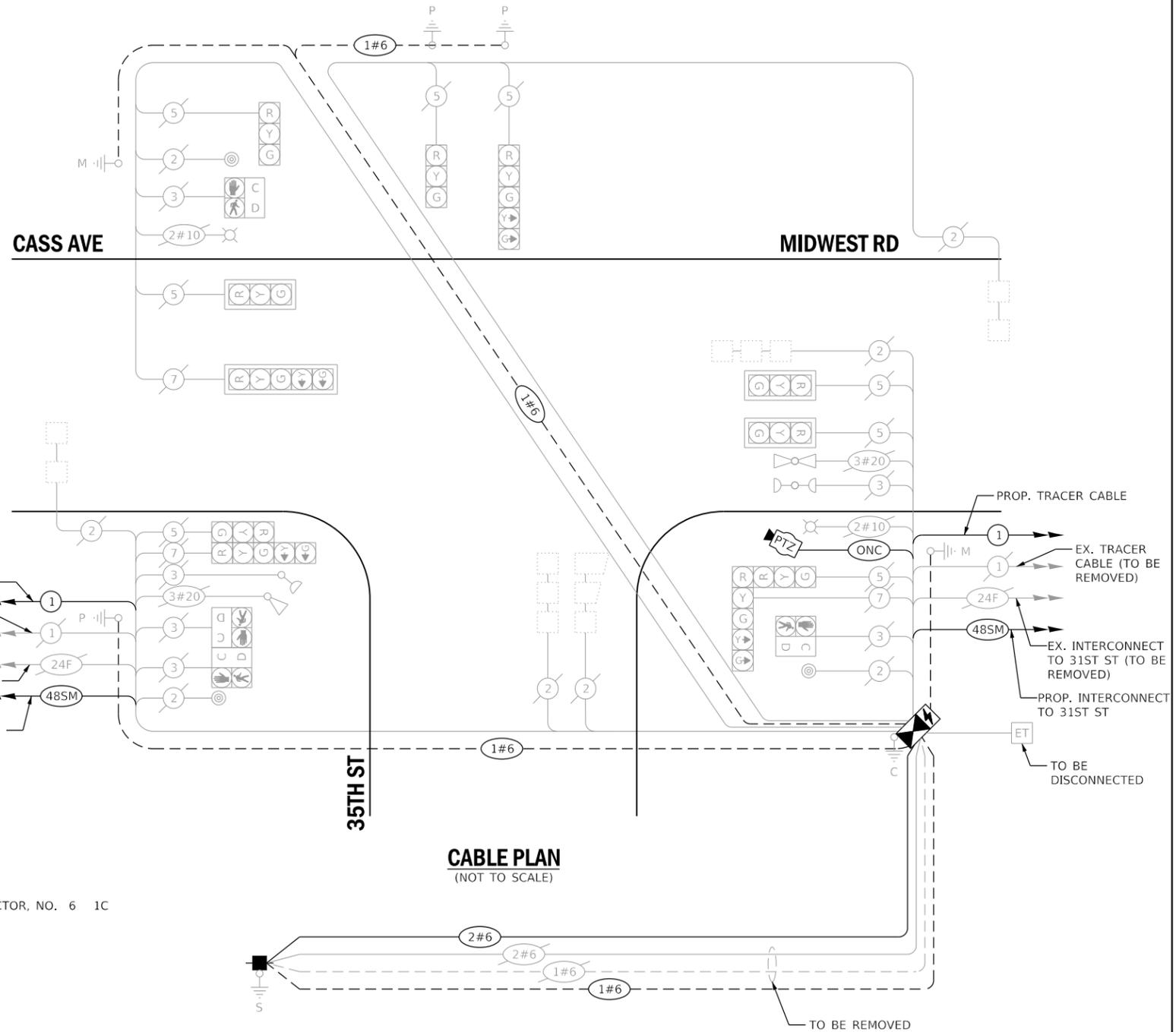
DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
117	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
194	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
97	FOOT	ROD AND CLEAN EXISTING CONDUIT
68	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	SERVICE INSTALLATION (SPECIAL)
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL



CABLE PLAN
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
MIDWEST RD AND 35TH ST

SCALE: SHEET 71 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-DCCSS-04-TL	DUPAGE	293	136
			CONTRACT NO. 61H96	
		ILLINOIS FED. AID PROJECT		



USER NAME =	dwiktorzak
DESIGNED -	ZH
DRAWN -	RG
CHECKED -	DW
DATE -	REVISD -
PLOT SCALE =	40.0000 ' / in.
PLOT DATE =	6/12/2022

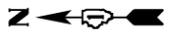
DESIGNED -	ZH	REVISED -	
DRAWN -	RG	REVISED -	
CHECKED -	DW	REVISED -	
DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

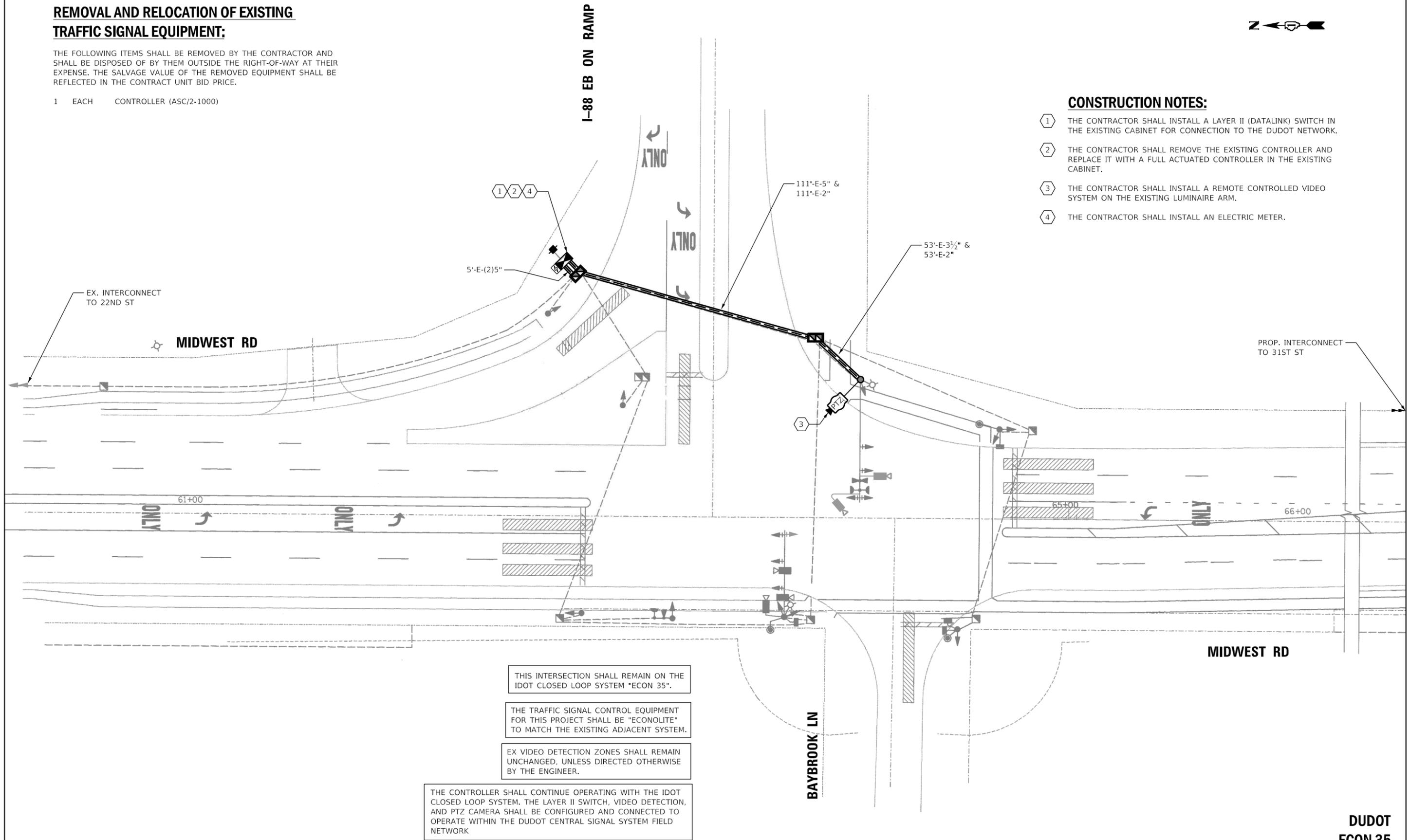
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT BID PRICE.

- 1 EACH CONTROLLER (ASC/2-1000)



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE EXISTING CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- ③ THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- ④ THE CONTRACTOR SHALL INSTALL AN ELECTRIC METER.



THIS INTERSECTION SHALL REMAIN ON THE IDOT CLOSED LOOP SYSTEM "ECON 35".

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

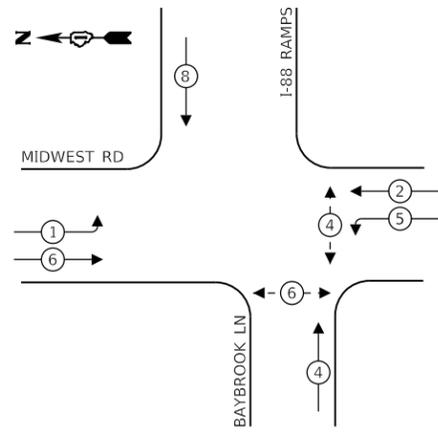
EX VIDEO DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE CONTROLLER SHALL CONTINUE OPERATING WITH THE IDOT CLOSED LOOP SYSTEM. THE LAYER II SWITCH, VIDEO DETECTION, AND PTZ CAMERA SHALL BE CONFIGURED AND CONNECTED TO OPERATE WITHIN THE DUDOT CENTRAL SIGNAL SYSTEM FIELD NETWORK

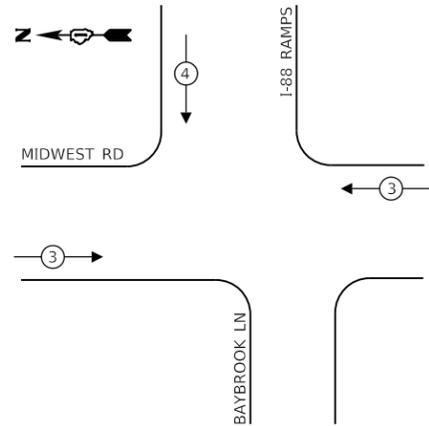
**DUDOT
ECON 35**

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 MIDWEST RD & I-88/BAYBROOK LN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -		SCALE: 1"=20'	SHEET 72	OF 96	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	293
	PLOT DATE = 6/12/2022	DATE -	REVISED -									CONTRACT NO. 61H96	

EXISTING CONTROLLER SEQUENCE

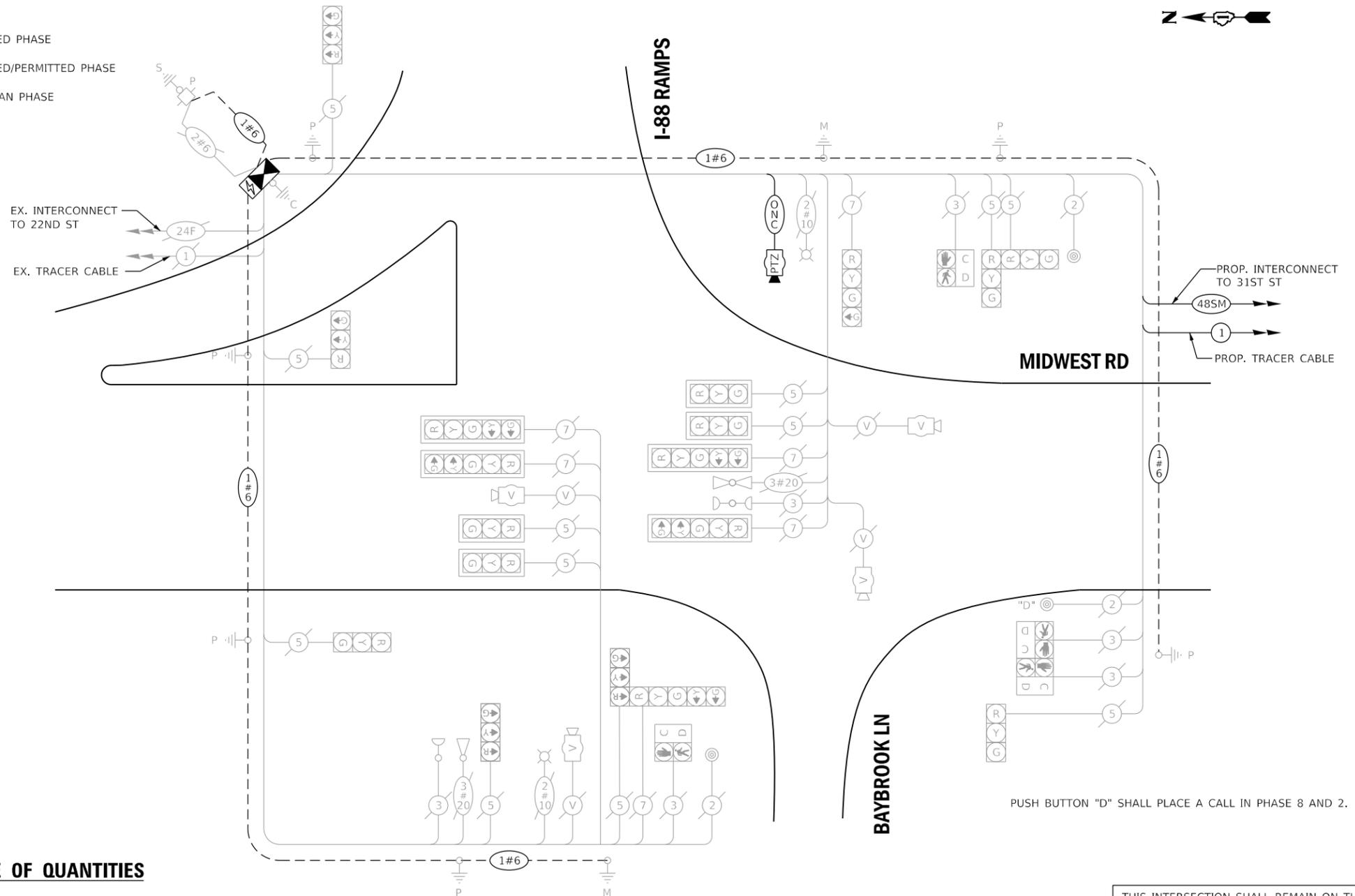


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	11	50	83
(YELLOW)	15	20	5	15
(GREEN)	15	12	45	81
CONTINUOUS	6	12	100	72
PERMISSIVE ARROW	11	10	10	11
PED. SIGNAL	4	20	100	80
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75

ENERGY COSTS TO: **ILLINOIS STATE TOLL HIGHWAY AUTHORITY**
 2700 OGDEN AVE
 DOWNERS GROVE, IL 60515
 ENERGY SUPPLY: CONTACT: MR. JOE STACHO
 PHONE: (630)-424-5704
 COMPANY: COMED LOMBARD
 ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
7	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
230	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER

CABLE PLAN
(NOT TO SCALE)

PUSH BUTTON "D" SHALL PLACE A CALL IN PHASE 8 AND 2.

THIS INTERSECTION SHALL REMAIN ON THE IDOT CLOSED LOOP SYSTEM "ECON 35".

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

EX VIDEO DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE CONTROLLER SHALL CONTINUE OPERATING WITH THE IDOT CLOSED LOOP SYSTEM. THE LAYER II SWITCH, VIDEO DETECTION, AND PTZ CAMERA SHALL BE CONFIGURED AND CONNECTED TO OPERATE WITHIN THE DUDOT CENTRAL SIGNAL SYSTEM FIELD NETWORK

DUDOT ECON 35



USER NAME = dwiktorzak
 DESIGNED - ZH
 DRAWN - RG
 CHECKED - DW
 DATE -
 PLOT SCALE = 40,0000 ' / in.
 PLOT DATE = 6/12/2022

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

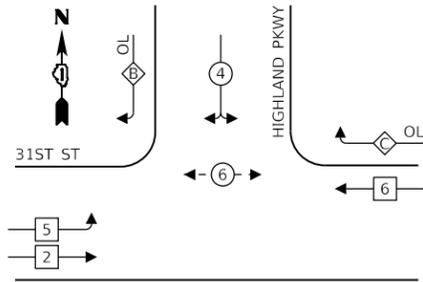
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
MIDWEST RD AND BAYBROOK LN/I-88 RAMPS

SCALE: SHEET 73 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	138
				CONTRACT NO. 61H96
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



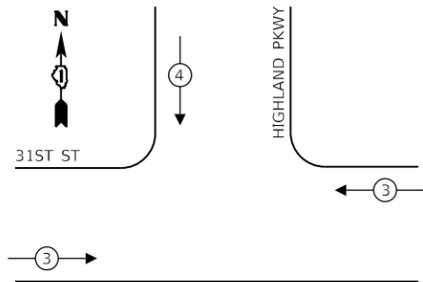
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

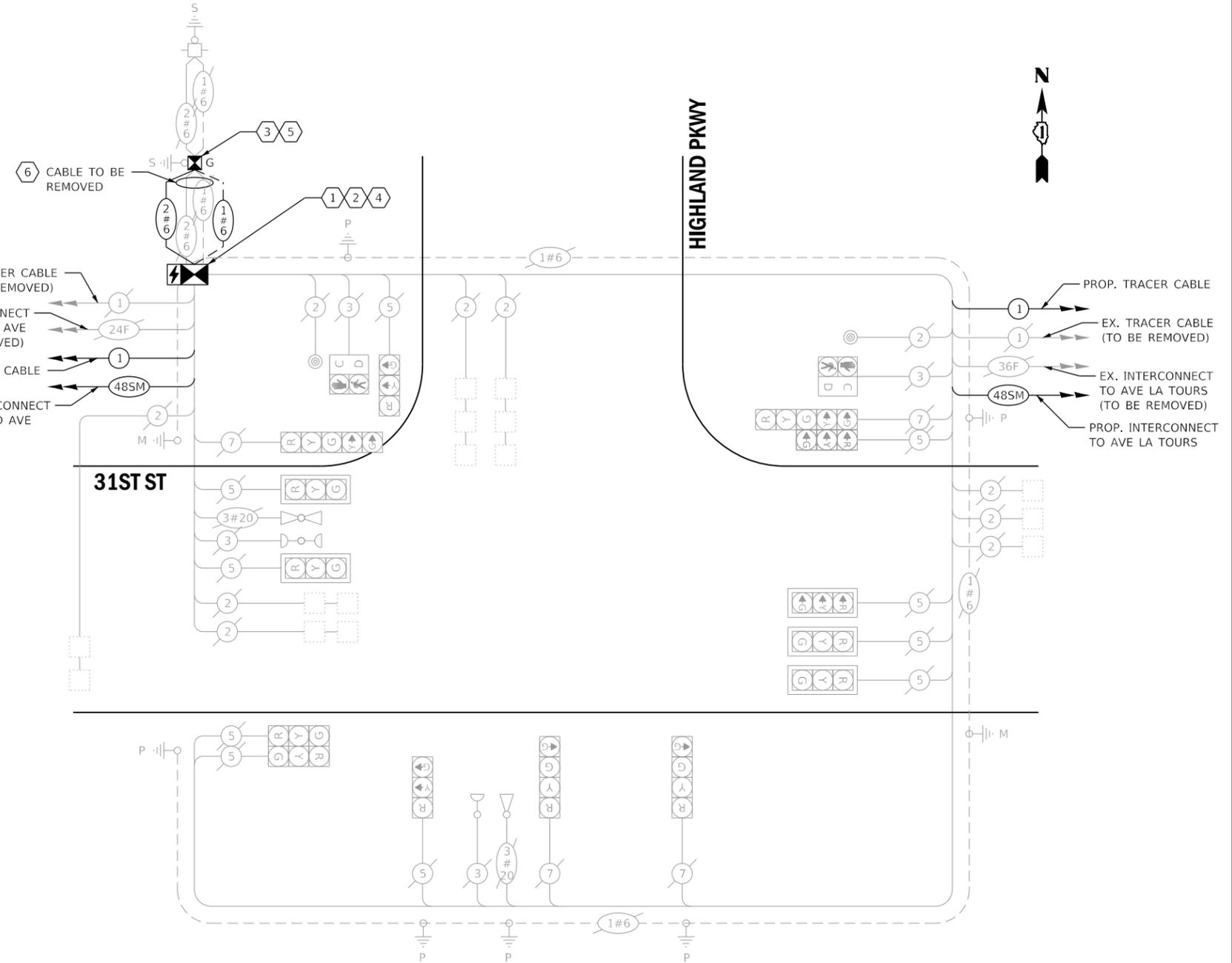
- 1 EACH CONTROLLER (ASC/2S-1000)

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- 3 THE CONTRACTOR SHALL INSTALL A NEW SERVICE INSTALLATION, GROUND MOUNTED, METERED ON EXISTING FOUNDATION.
- 4 THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.
- 5 THE CONTRACTOR SHALL REMOVE AND REPLACE ANCHOR BOLTS.
- 6 THE CONTRACTOR SHALL REMOVE THE EXISTING CABLE AND INSTALL THE PROPOSED CABLE IN THE EXISTING CONDUIT (15'-E-2").

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
35	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
35	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1 C
30	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
15	FOOT	ROD AND CLEAN EXISTING CONDUIT
1	EACH	SERVICE INSTALLATION, GROUND MOUNTED, METERED
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	REMOVE AND REPLACE ANCHOR BOLTS



CABLE PLAN (NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77
(YELLOW)	14	20	5	14
(GREEN)	14	12	45	76
PERMISSIVE ARROW	6	10	10	6
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	-	75	100	-
TOTAL =				338

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:



USER NAME = dwiktorzak
PLOT SCALE = 40,0000 ' / in.
PLOT DATE = 6/12/2022

DESIGNED - ZH
DRAWN - RG
CHECKED - DW
DATE -
REVISED -
REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

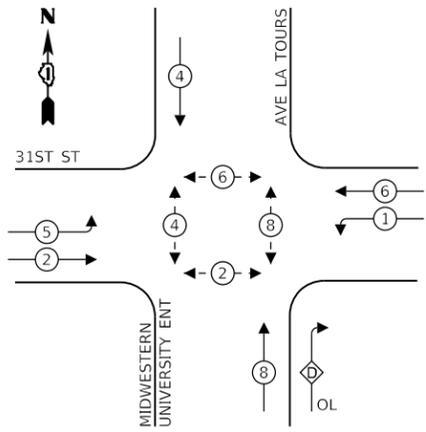
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 31ST ST AND HIGHLAND PKWY

SCALE: SHEET 74 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	139
			CONTRACT NO. 61H96	

DUDOT

EXISTING CONTROLLER SEQUENCE



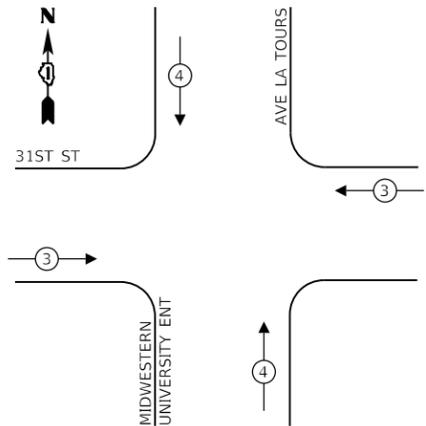
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL INSTALL AN ELECTRIC METER.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99
(YELLOW)	18	20	5	18
(GREEN)	18	12	45	98
PERMISSIVE ARROW	12	10	10	12
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500
PTZ CAMERA	-	75	100	-
TOTAL =				1012

ENERGY COSTS TO:

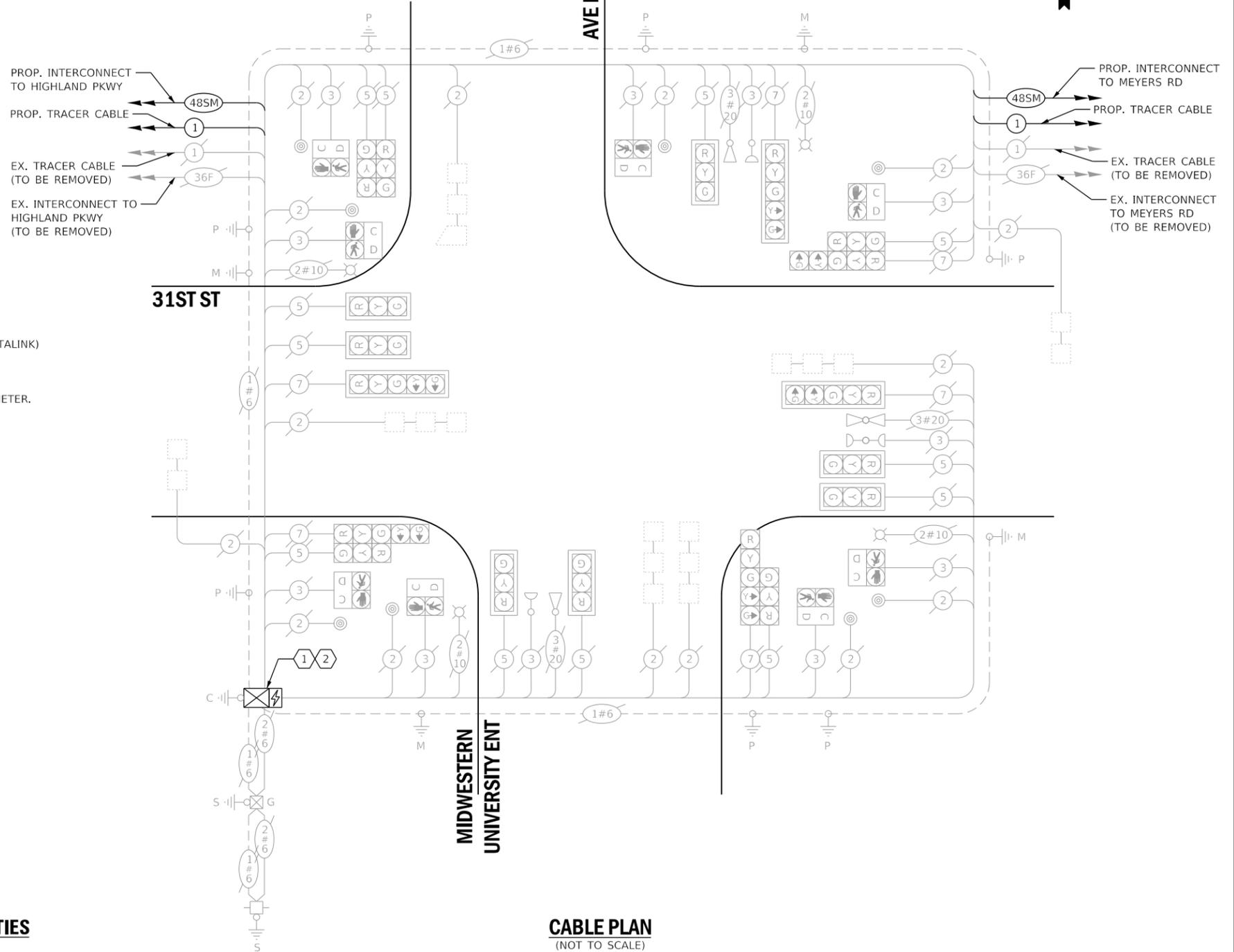
DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER



CABLE PLAN
(NOT TO SCALE)



USER NAME = dwiktorzak
PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 6/12/2022

DESIGNED - ZH	REVISED -
DRAWN - RG	REVISED -
CHECKED - DW	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
31ST ST AND MIDWESTERN PKWY/AVENUE LA TOURS**

SCALE: SHEET 75 OF 96 SHEETS STA. TO STA.

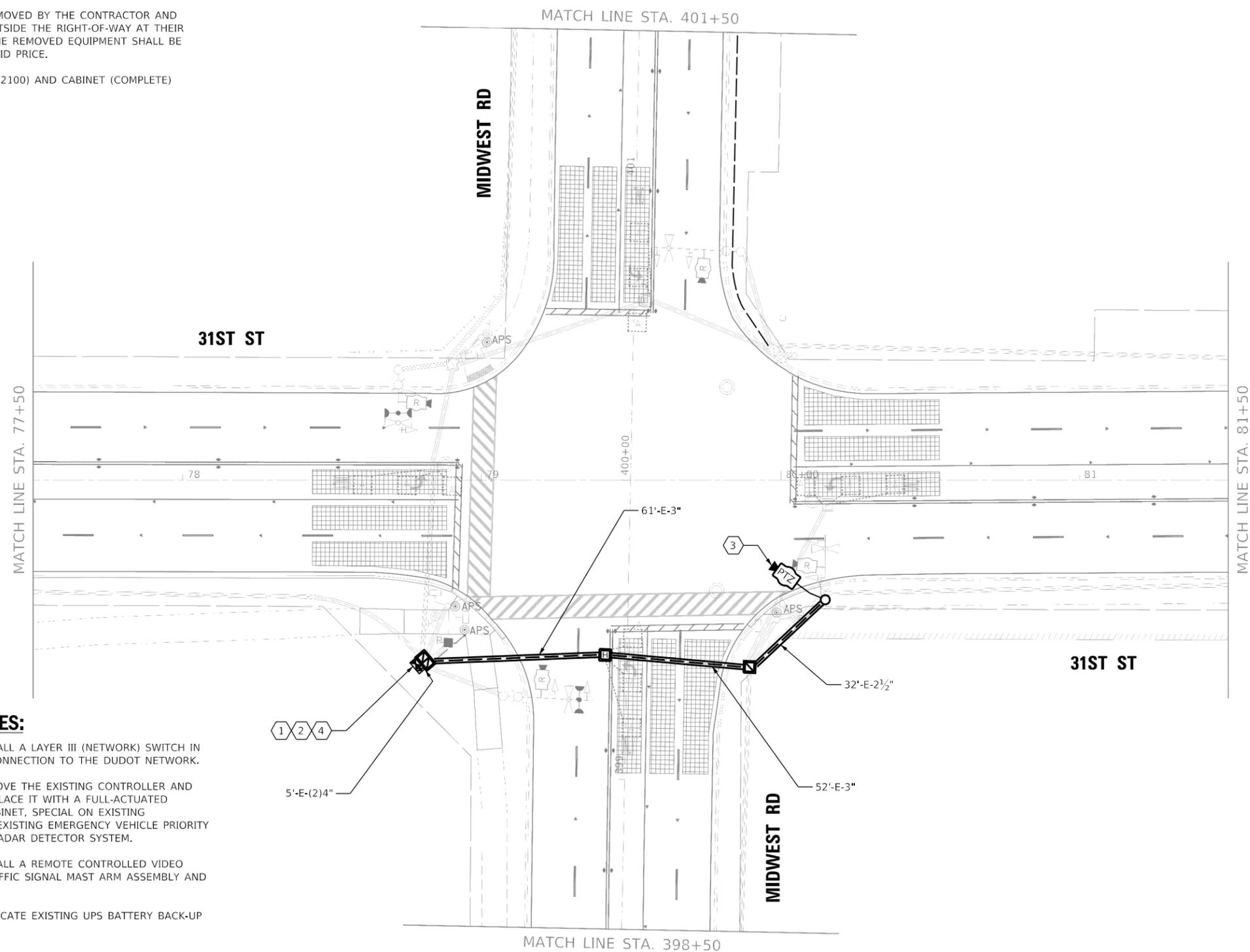
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	140
CONTRACT NO. 61H96				

DUDOT

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/2S-2100) AND CABINET (COMPLETE)



CONSTRUCTION NOTES:

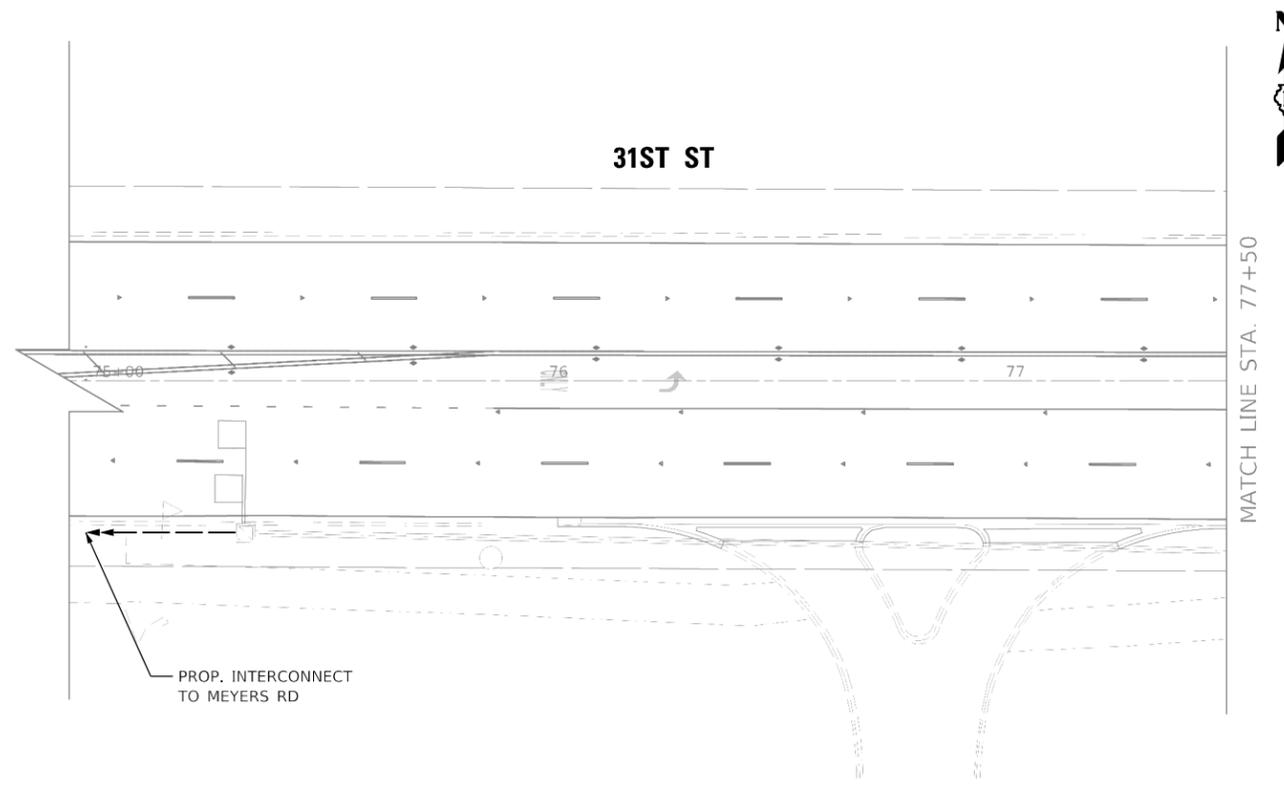
- 1 THE CONTRACTOR SHALL INSTALL A LAYER III (NETWORK) SWITCH IN THE EXISTING CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT AND RADAR DETECTOR SYSTEM.
- 3 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.
- 4 THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.

EX RADAR DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 PTZ PLAN - 31ST ST AND MIDWEST RD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -			VAR.	19-DCCSS-04-TL	DUPAGE	293	141
	PLOT DATE = 6/12/2022	DATE -	REVISED -	SCALE: 1"=20'		SHEET 76 OF 96 SHEETS		STA.	TO STA.	
FILE NAME = X:\Projects\2021\2182\217400 DuPage DOT CentralCADD_Sheets\SH-4F-31st-ts-plan.dgn Int 17						ILLINOIS FED. AID PROJECT CONTRACT NO. 61H96				

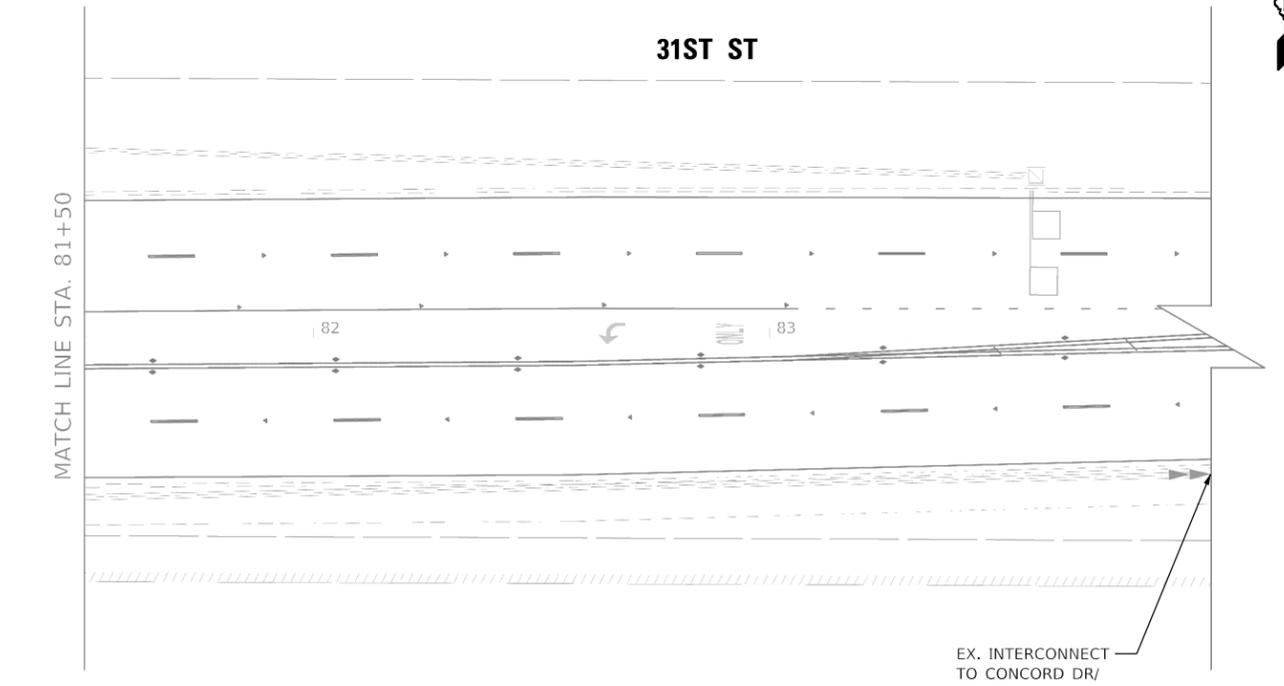


PROP. INTERCONNECT TO MEYERS RD

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

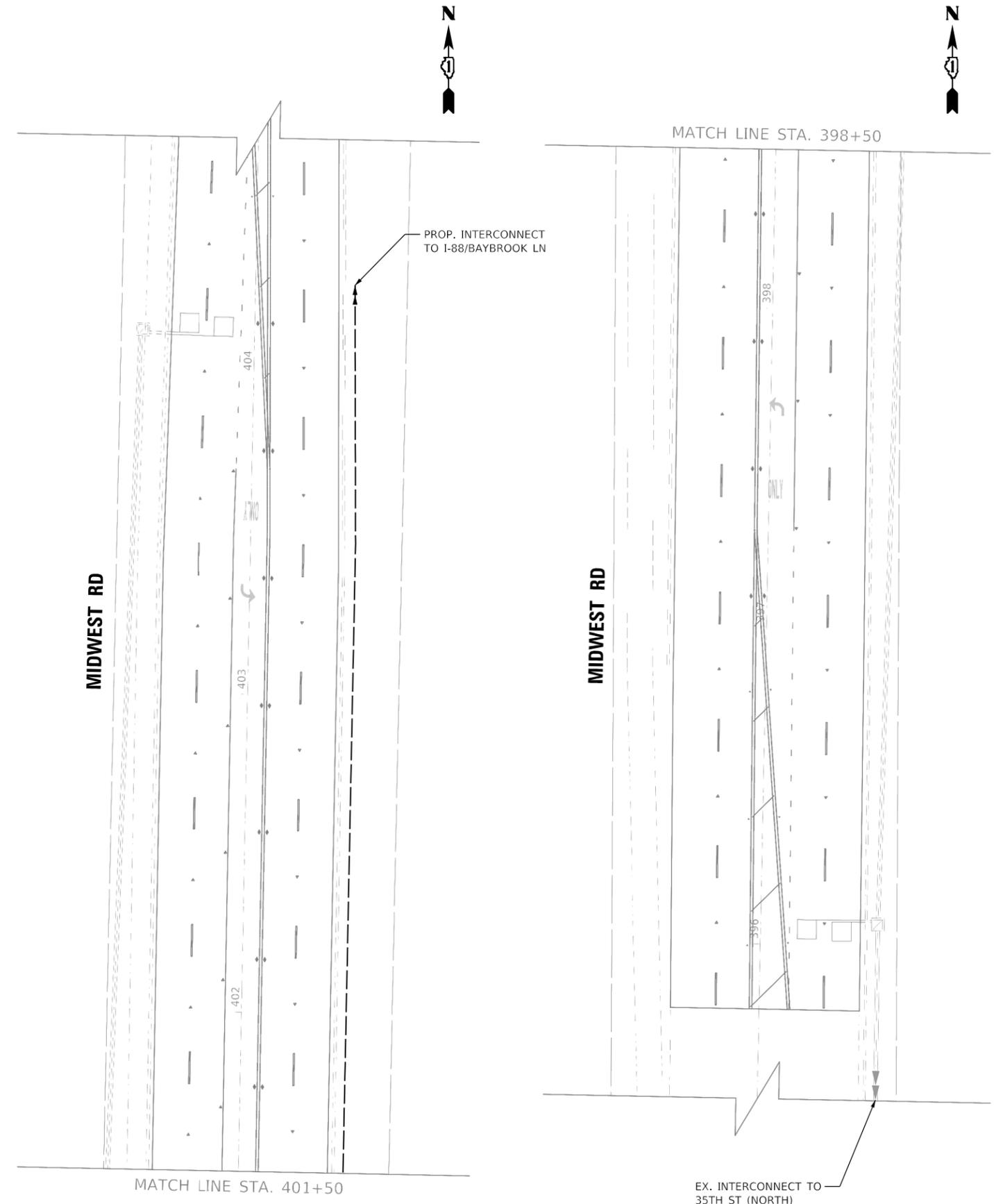
EX RADAR DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

MATCH LINE STA. 77+50



EX. INTERCONNECT TO CONCORD DR/ TRINITY LN

MATCH LINE STA. 81+50



PROP. INTERCONNECT TO I-88/BAYBROOK LN

EX. INTERCONNECT TO 35TH ST (NORTH)

MIDWEST RD

MIDWEST RD

MATCH LINE STA. 401+50

MATCH LINE STA. 398+50



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/12/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

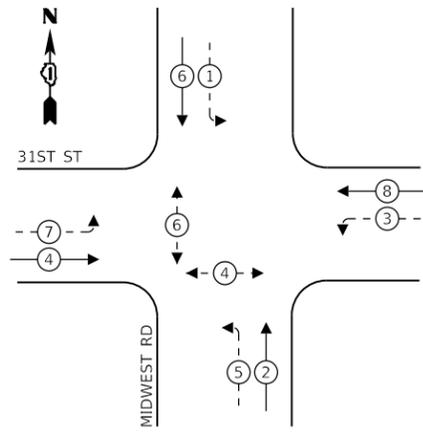
TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
PTZ PLAN - 31ST ST AND MIDWEST RD

SCALE: 1"=20' SHEET 77 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	142
CONTRACT NO. 61H96				
ILLINOIS FED. AID PROJECT				

DUDOT

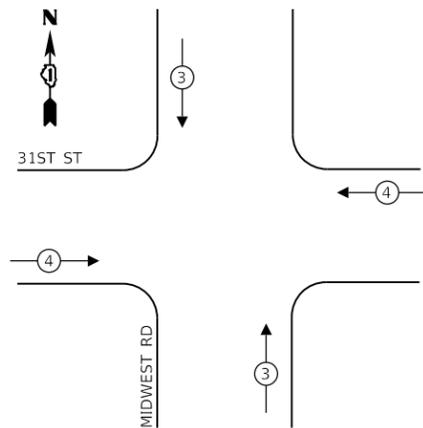
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

**EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	X	11	50	X
(YELLOW)	X	20	5	X
(GREEN)	X	12	45	X
PERMISSIVE ARROW	X	10	10	X
PED. SIGNAL	X	20	100	X
CONTROLLER	X	100	100	X
UPS	X	25	100	X
VIDEO SYSTEM	X	150	100	X
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	X	120	50	X
LUMINAIRE	X	250	50	X
PTZ CAMERA	X	75	100	X
TOTAL =				X

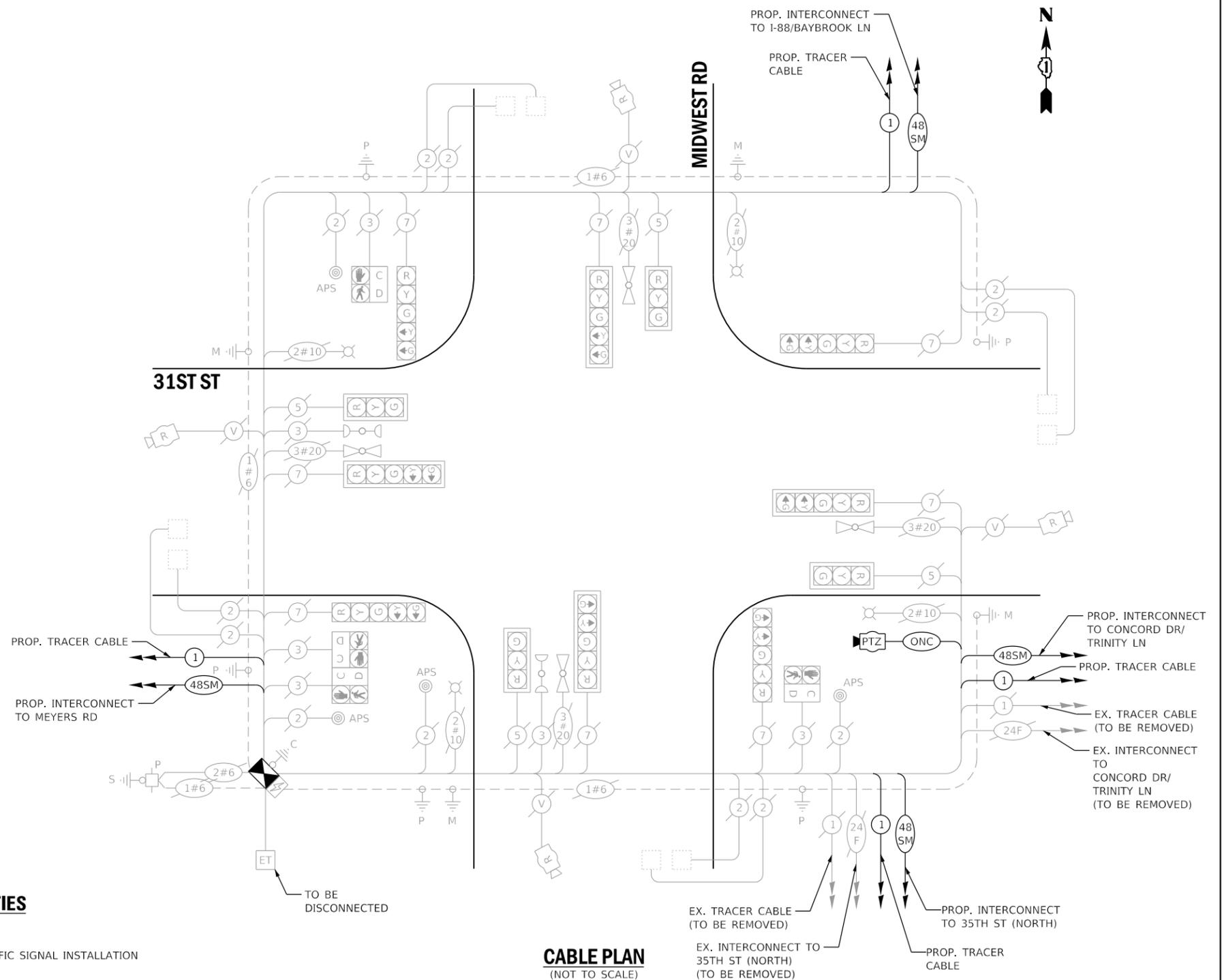
ENERGY COSTS TO:
DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
8	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	RELOCATE RADAR DETECTOR SYSTEM
211	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	FIBER OPTIC SPLICE ENCLOSURE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER III (NETWORK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM



CABLE PLAN
(NOT TO SCALE)

EX RADAR DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
31ST ST AND MIDWEST RD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	143
			CONTRACT NO.	61H96

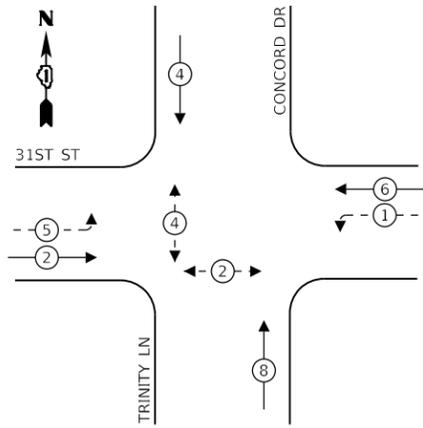
SCALE: SHEET 78 OF 96 SHEETS STA. TO STA.



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING CONTROLLER SEQUENCE



LEGEND:

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

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

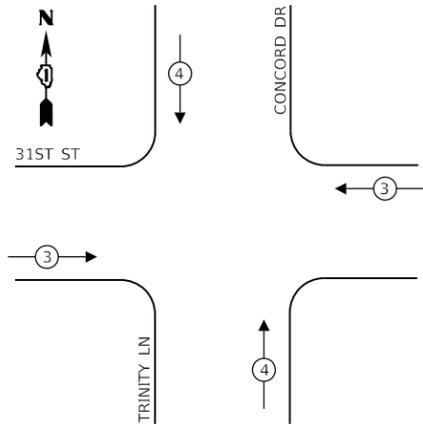
- 1 EACH CONTROLLER (ASC/2S-2100) AND CABINET (COMPLETE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

- 1 EACH WIRELESS INTERCONNECT
- 1 EACH TERMINAL SERVER

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT AND VIDEO DETECTION SYSTEM.
- 3 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.
- 4 THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	65
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	4	20	100	80
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	-	75	100	-
TOTAL =				606

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

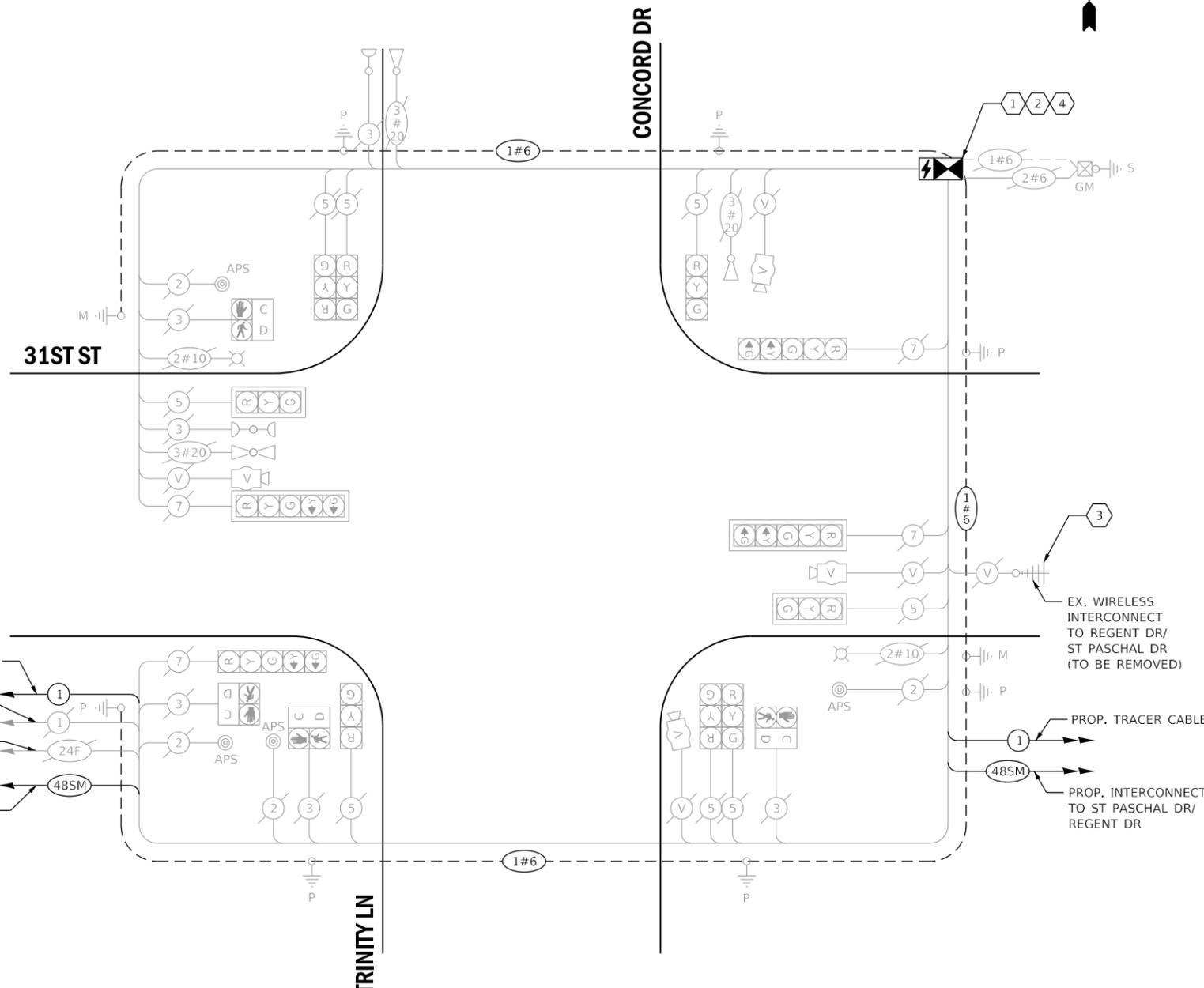
421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
5	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
102	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	RELOCATE VIDEO VEHICLE DETECTION SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

- PROP. TRACER CABLE
- EX. TRACER CABLE (TO BE REMOVED)
- EX. INTERCONNECT TO MIDWEST RD (TO BE REMOVED)
- PROP. INTERCONNECT TO MIDWEST RD



CABLE PLAN
(NOT TO SCALE)

EX VIDEO DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
31ST ST AND CONCORD DR/TRINITY LN**

SCALE: SHEET 79 OF 96 SHEETS STA. TO STA.

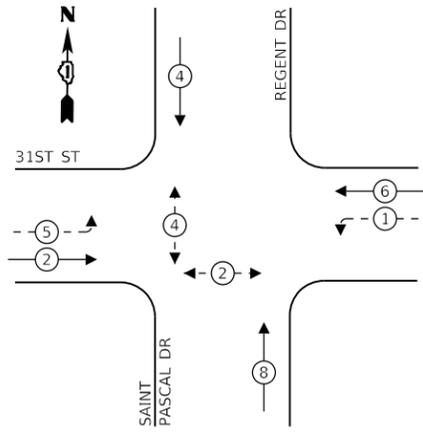
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	144
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING CONTROLLER SEQUENCE



LEGEND:

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

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

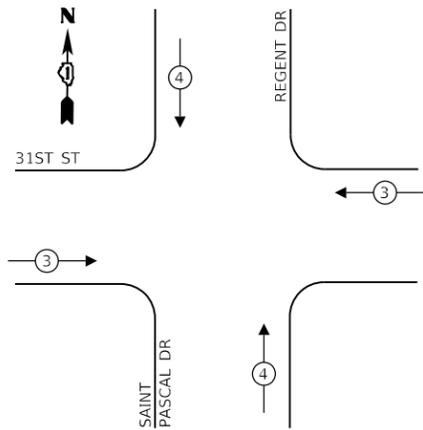
AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

- 1 EACH CONTROLLER (ASC/2-1000) (MEADE SPARE)
- 1 EACH CELL MODEM
- 1 EACH WIRELESS INTERCONNECT
- 1 EACH TERMINAL SERVER

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77
(YELLOW)	14	20	5	14
(GREEN)	14	12	45	76
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	4	20	100	80
CONTROLLER	1	100	100	100
UPS	1	25	100	25
RADAR SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				855

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
5	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
31	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

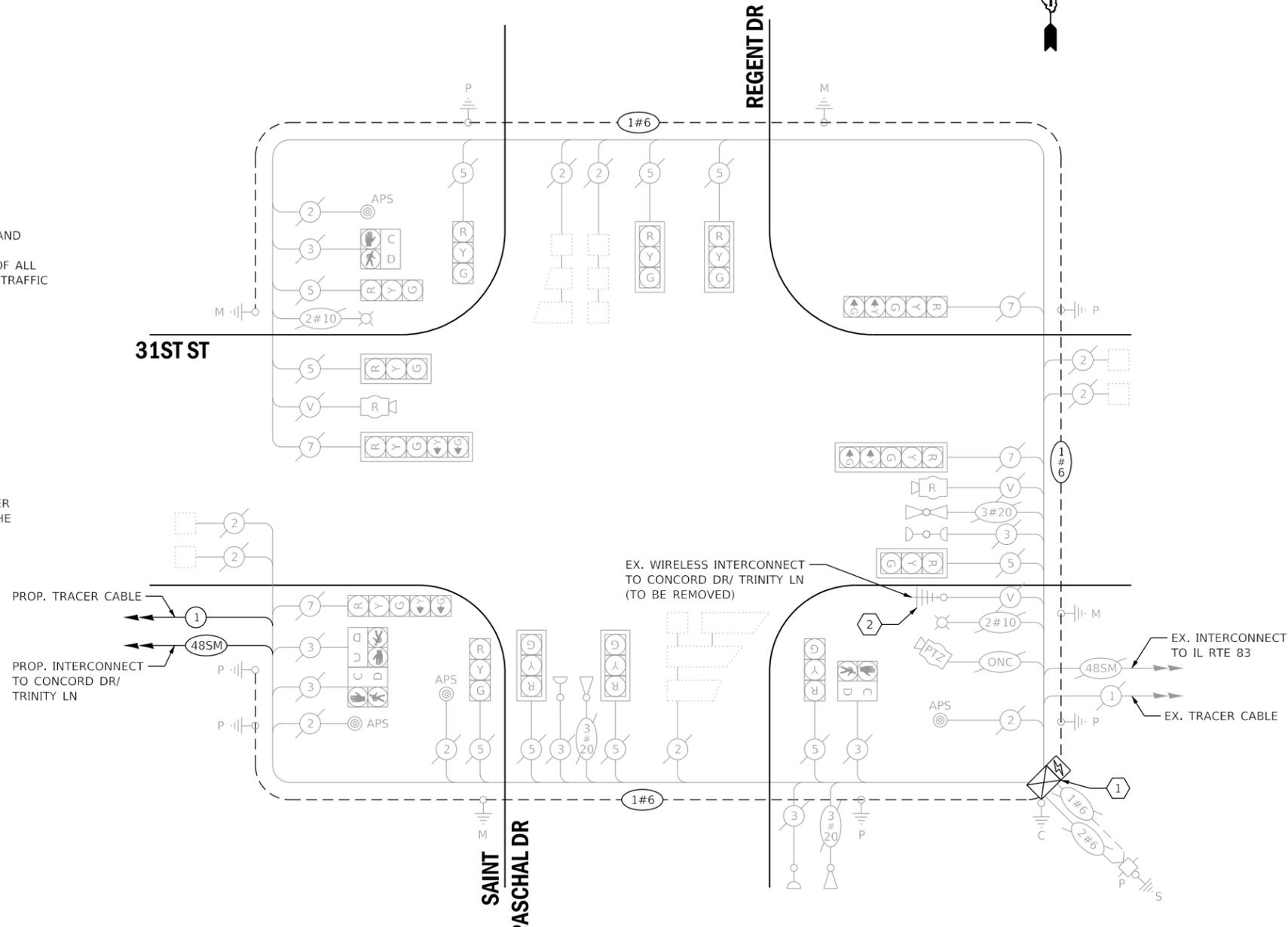
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
31ST ST AND REGENT DR/SAINT PASCHAL DR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	145
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 "/> <td>DRAWN - RG</td> <td>REVISED -</td>	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

FILE NAME = X:\Projects\2021\2182\217400 DuPage DOT Central\CADD_Sheets\SH-4F-31st-ts-Cable.dgn
Int 19



CABLE PLAN
(NOT TO SCALE)

EX RADAR DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

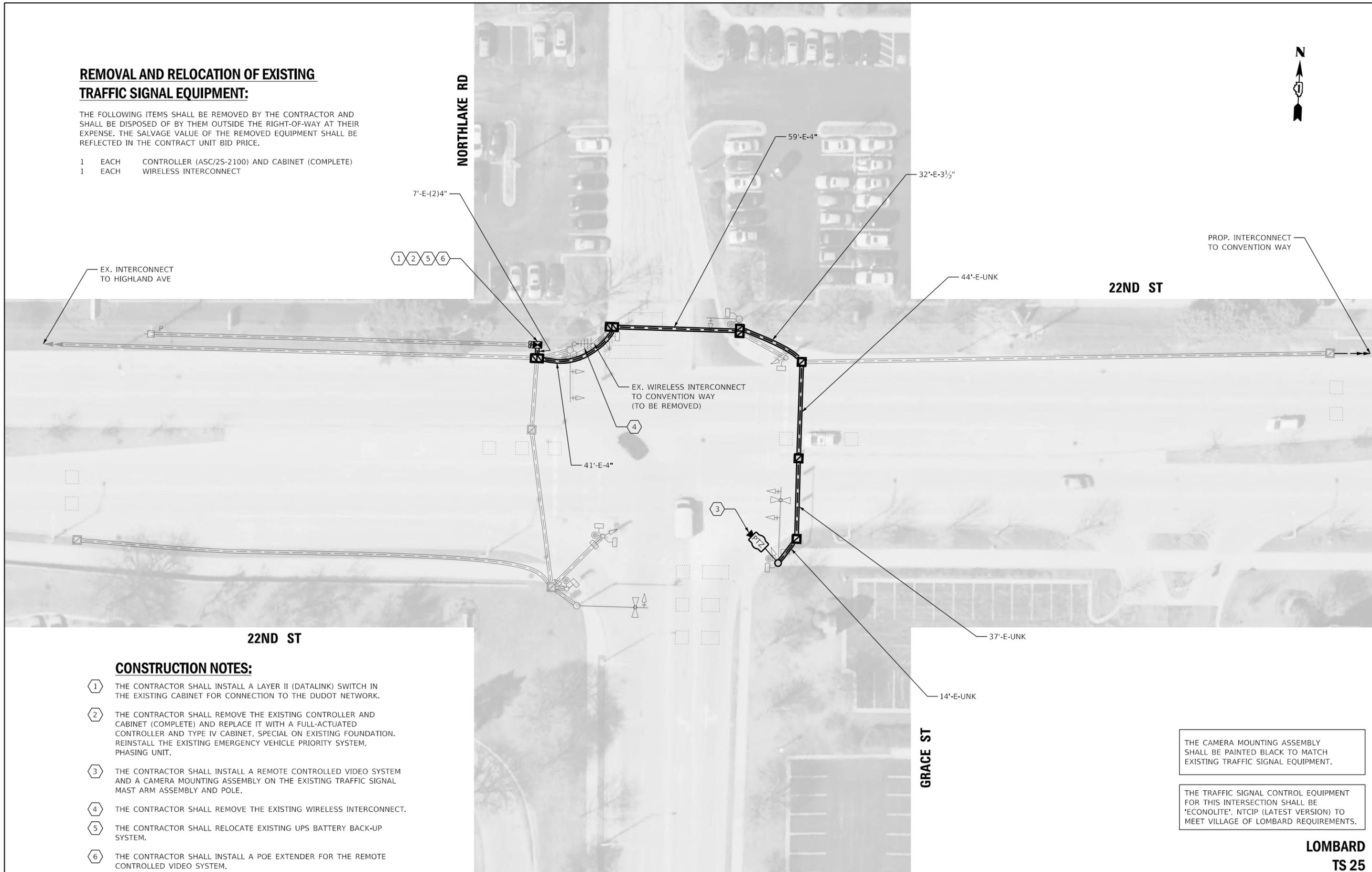
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/25-2100) AND CABINET (COMPLETE)
- 1 EACH WIRELESS INTERCONNECT



CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE EXISTING CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- 3 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM AND A CAMERA MOUNTING ASSEMBLY ON THE EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.
- 5 THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.
- 6 THE CONTRACTOR SHALL INSTALL A POE EXTENDER FOR THE REMOTE CONTROLLED VIDEO SYSTEM.

THE CAMERA MOUNTING ASSEMBLY SHALL BE PAINTED BLACK TO MATCH EXISTING TRAFFIC SIGNAL EQUIPMENT.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

LOMBARD TS 25



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/12/2022	DATE -	REVISED -

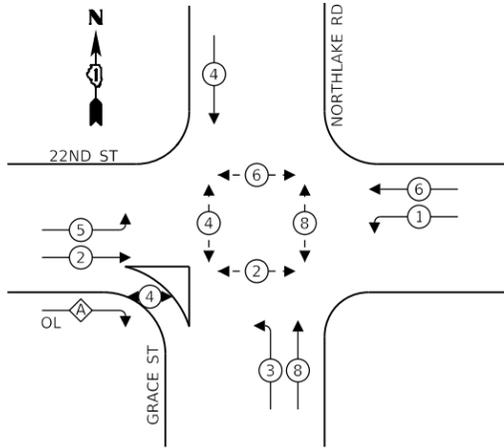
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
PTZ PLAN - 22ND ST AND GRACE ST/NORTHLAKE RD**

SCALE: 1"=20' SHEET 81 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	146
			CONTRACT NO.	61H96
		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE



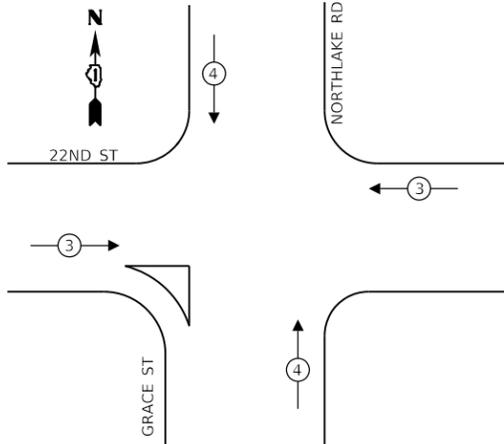
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	65
PERMISSIVE ARROW	16	10	10	16
PED. SIGNAL	10	20	100	200
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	1	75	100	75
TOTAL =				559

ENERGY COSTS TO:

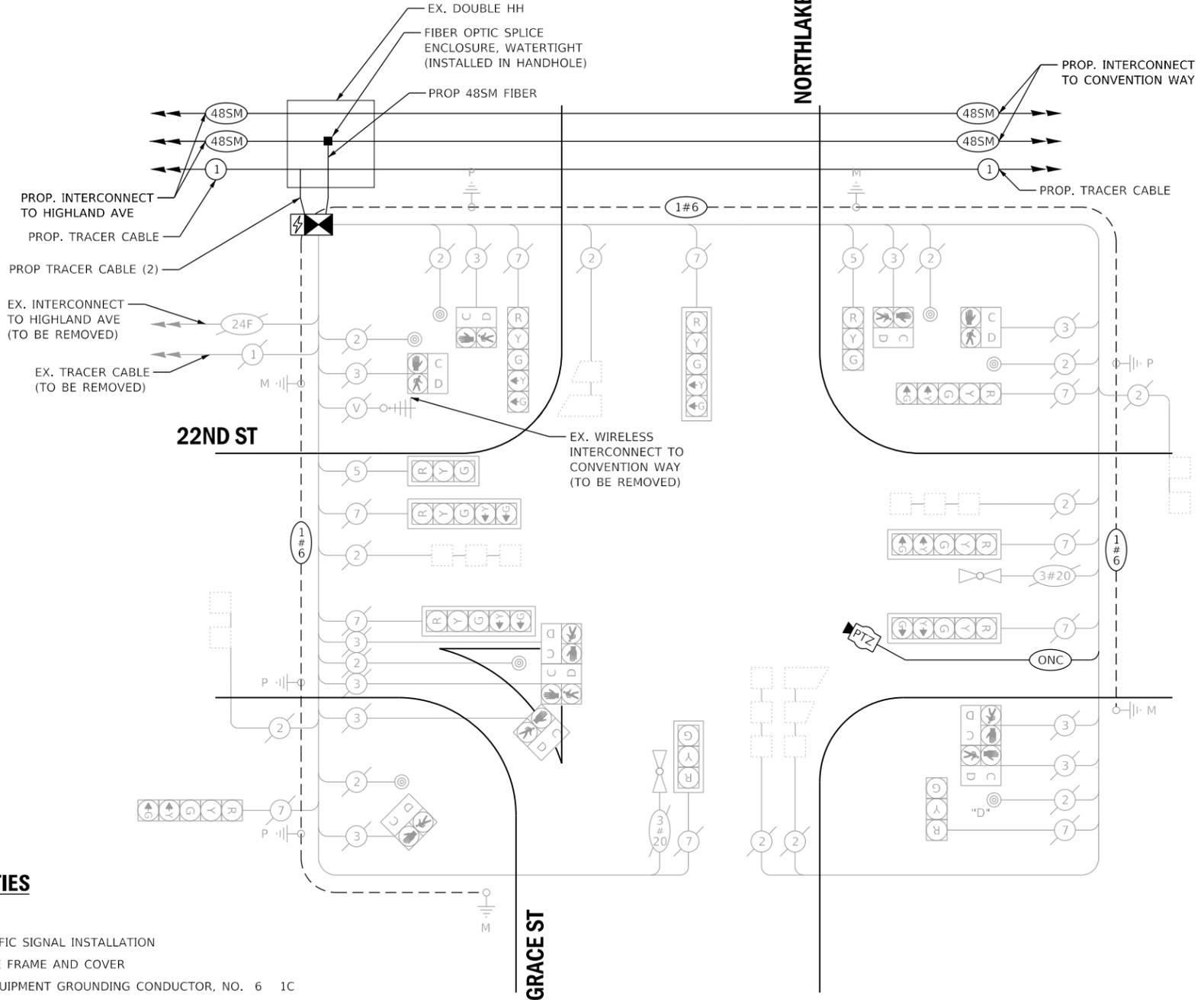
VILLAGE OF LOMBARD

255 E. WILSON AVE
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
8	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
7	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
21	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
327	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM
1	EACH	CAMERA MOUNTING ASSEMBLY, SPECIAL
1	EACH	PAINT TRAFFIC SIGNAL EQUIPMENT
1	EACH	POE EXTENDER



CABLE PLAN
(NOT TO SCALE)

PUSH BUTTON "D" SHALL PLACE A CALL IN PHASE 8 AND 2

THE CAMERA MOUNTING ASSEMBLY SHALL BE PAINTED BLACK TO MATCH EXISTING TRAFFIC SIGNAL EQUIPMENT.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

LOMBARD TS 25



USER NAME = rgeorgescu	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/14/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

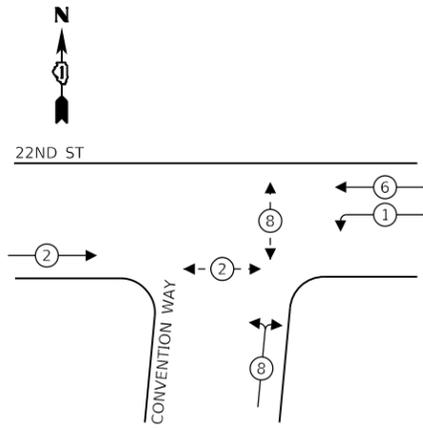
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
22ND ST AND GRACE ST

SCALE: SHEET 82 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	147
			CONTRACT NO. 61H96	
		ILLINOIS FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



LEGEND:

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

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

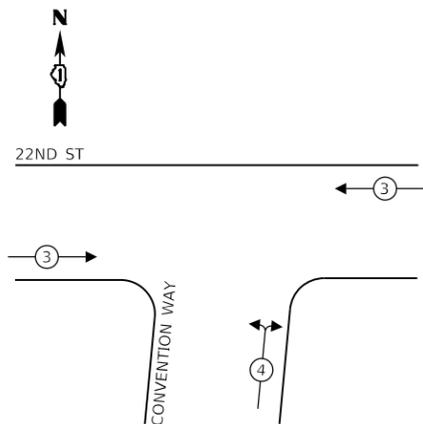
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT BID PRICE.

- 1 EACH WIRELESS INTERCONNECT
- 1 EACH VIDEO DETECTION (COMPLETE)

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.
- 3 THE CONTRACTOR SHALL REMOVE THE EXISTING VEHICLE DETECTION SYSTEM AND INSTALL THE PROPOSED VEHICLE DETECTION SYSTEM, SPECIAL.

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55
(YELLOW)	10	20	5	10
(GREEN)	10	12	45	54
PERMISSIVE ARROW	4	10	10	4
PED. SIGNAL	4	20	100	80
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	1	120	50	60
LUMINAIRE	1	250	50	125
PTZ CAMERA	-	75	100	-
TOTAL =				663

ENERGY COSTS TO:

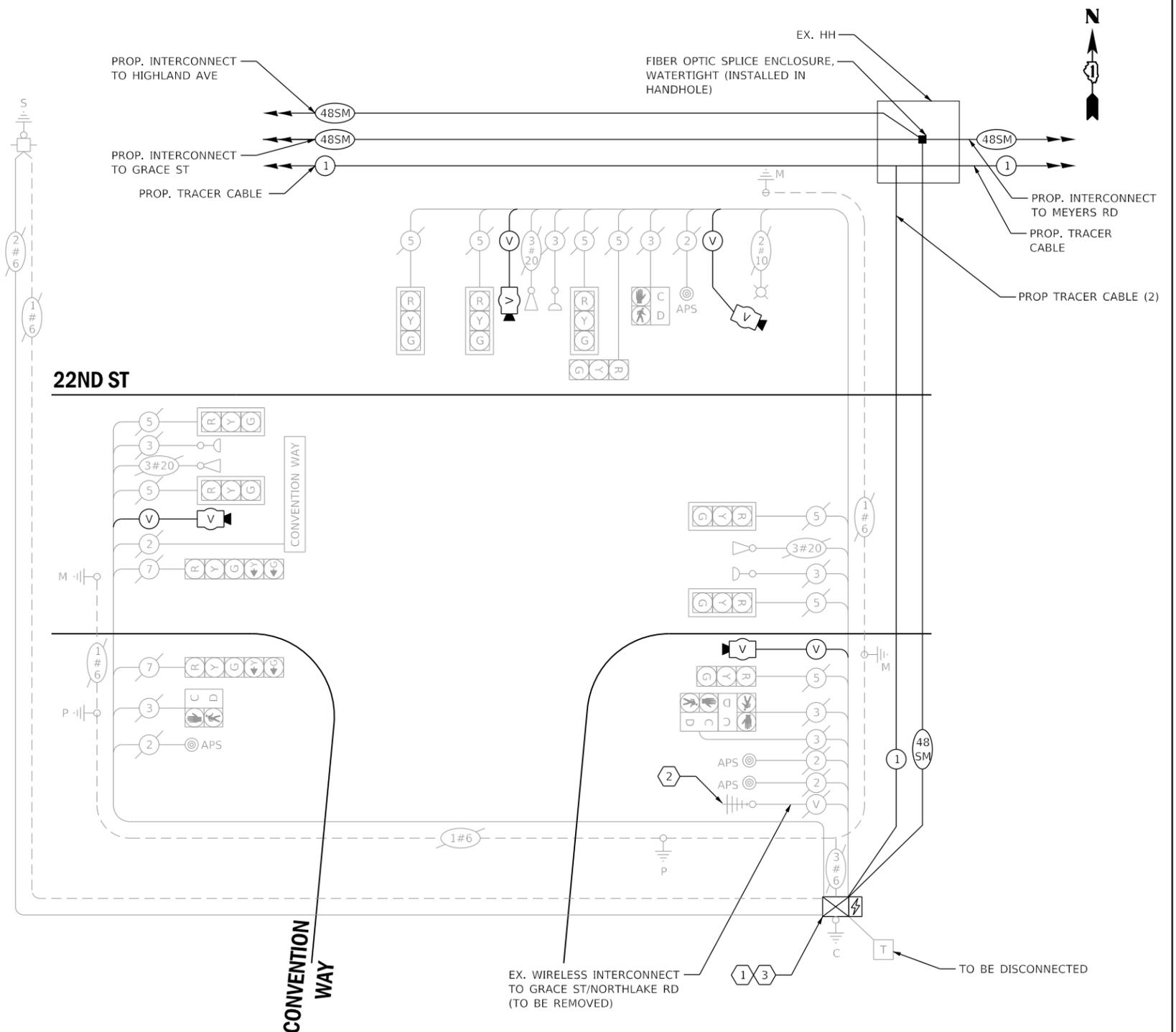
VILLAGE OF LOMBARD

255 E WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
396	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL



CABLE PLAN
(NOT TO SCALE)

THE VIDEO DETECTION SYSTEM, SPECIAL FOR THIS INTERSECTION SHALL BE AUTOSCOPE VISION TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

PROP VIDEO DETECTION ZONES SHALL MATCH EXISTING VIDEO DETECTION ZONES UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

LOMBARD TS 26

DLZ
USER NAME = dwiktorzak
DESIGNED - ZH
DRAWN - RG
PLOT SCALE = 40.0000 ' / in.
CHECKED - DW
PLOT DATE = 6/12/2022
DATE -

REVISIED -
REVISIED -
REVISIED -
REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 22ND ST AND CONVENTION WAY

SCALE: SHEET 83 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	148
CONTRACT NO. 61H96			ILLINOIS FED. AID PROJECT	

MATCHLINE STA 139+75.00

140

PROP. INTERCONNECT TO CRESCENT BLVD

EX. INTERCONNECT TO RIFORD RD

ST CHARLES RD

SWIFT RD

12'-E-2 1/2"
23'-E-4"
② ③ ④ ⑤

136

137

138

139

MATCHLINE STA 139+75.00

ST CHARLES RD

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- ② THE CONTRACTOR SHALL INSTALL AN ELECTRIC METER.
- ③ THE CONTRACTOR SHALL INSTALL A UPS SYSTEM.
- ④ THE CONTRACTOR SHALL INSTALL A LAYER III (NETWORK SWITCH) IN THE EXISTING CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- ⑤ THE CONTRACTOR SHALL INSTALL A VEHICLE DETECTION SYSTEM, SPECIAL.

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

- 1 EACH LAYER II SWITCH



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/12/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

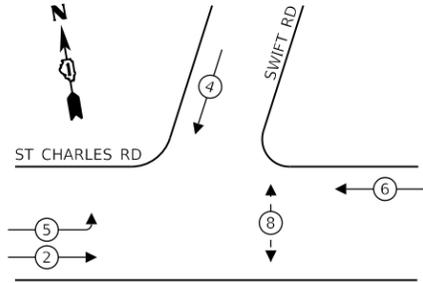
TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
ST CHARLES RD AND SWIFT RD

SCALE: 1"=20' SHEET 84 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	149
			CONTRACT NO.	61H96

DUDOT

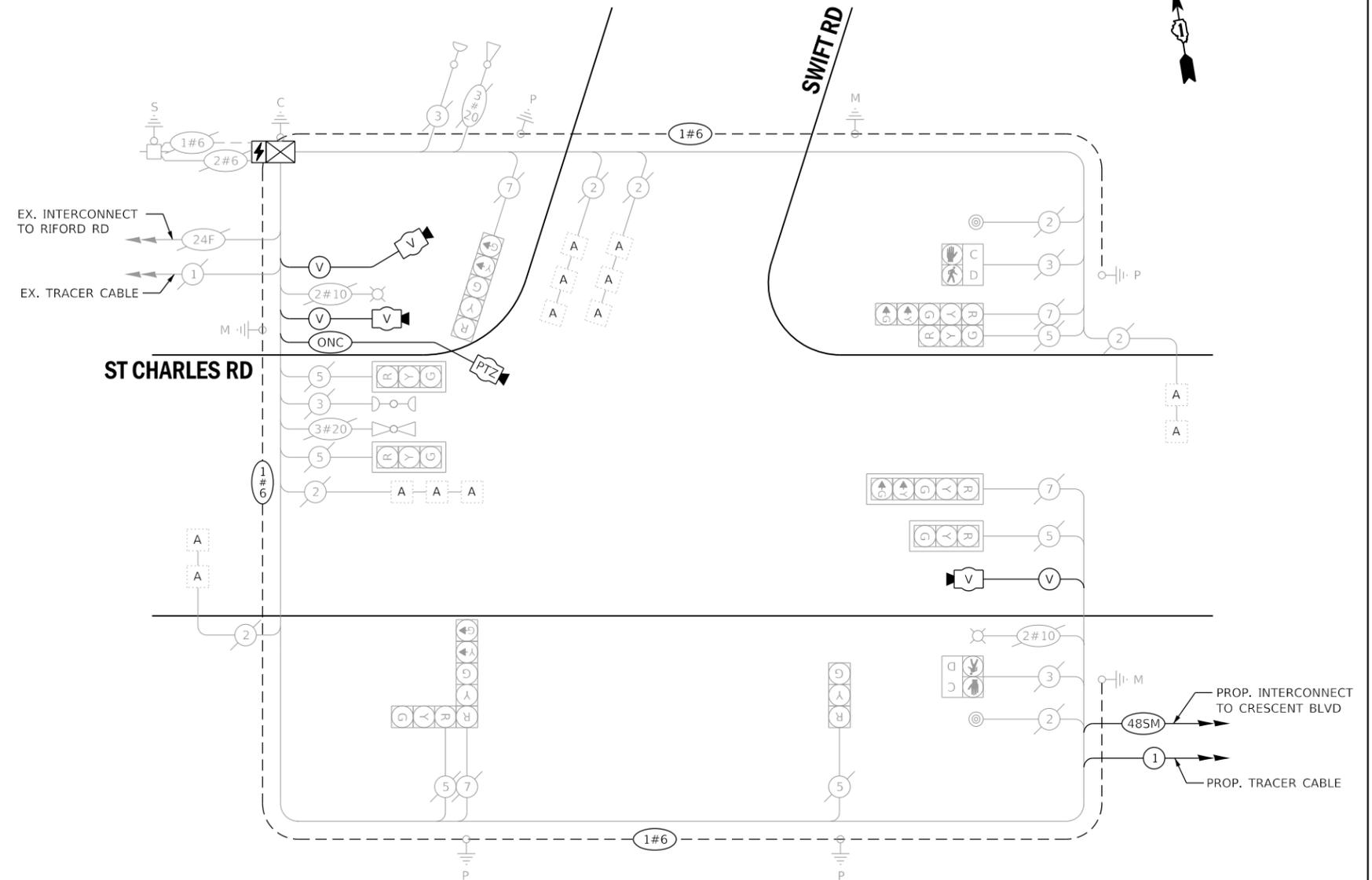
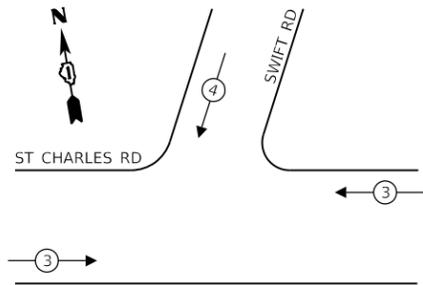
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55
(YELLOW)	10	20	5	10
(GREEN)	10	12	45	54
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				767

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
811	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE EXISTING HANDHOLE
103	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	FIBER OPTIC SPLICE ENCLOSURE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER III (NETWORK) SWITCH
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER
1	EACH	VEHICLE DETECTION SYSTEM, SPECIAL

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 ST CHARLES RD AND SWIFT RD

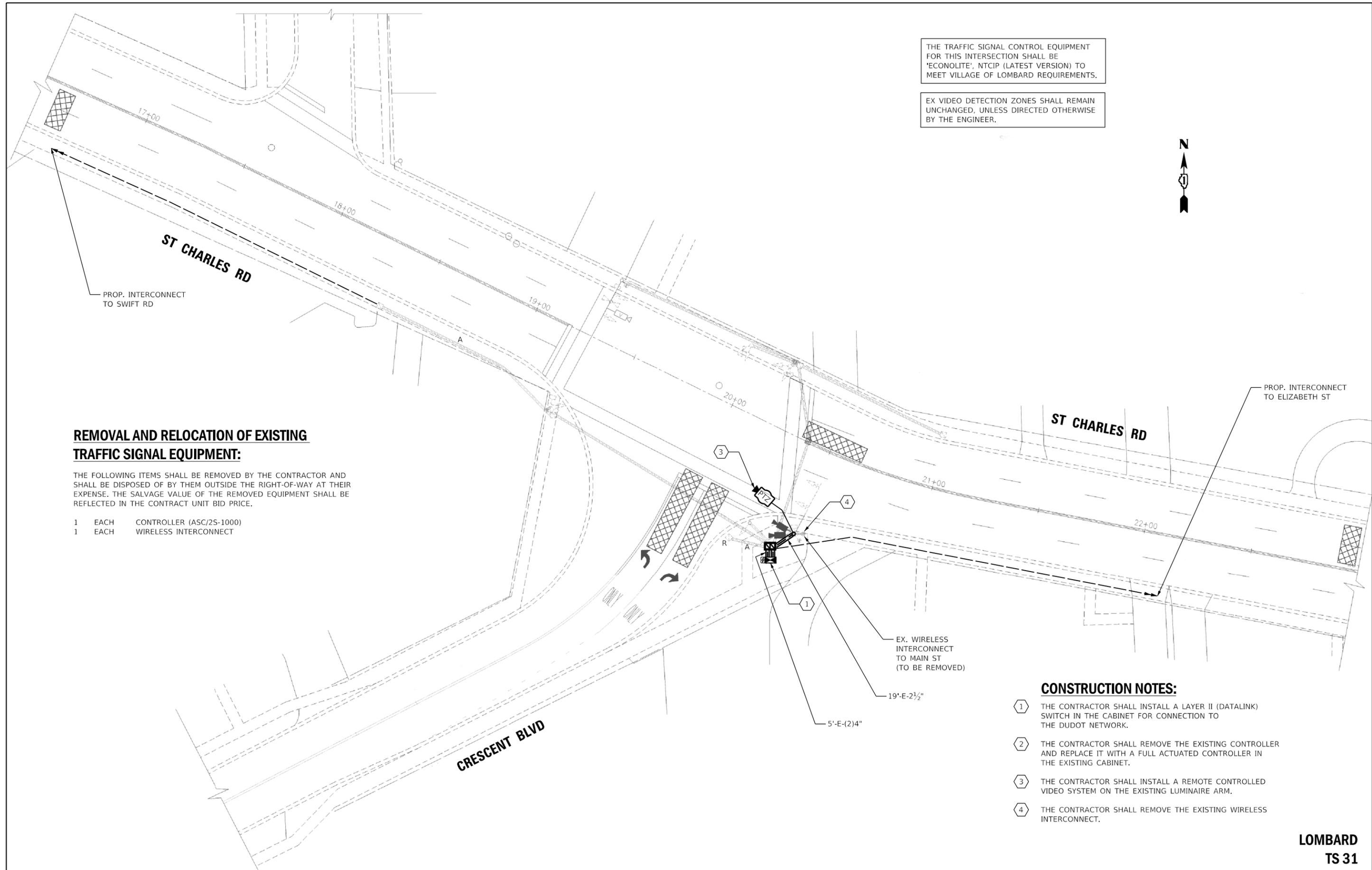
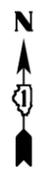
SCALE: SHEET 85 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	150
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	

DUDOT

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

EX VIDEO DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.



REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/2S-1000)
- 1 EACH WIRELESS INTERCONNECT

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL ACTUATED CONTROLLER IN THE EXISTING CABINET.
- 3 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING LUMINAIRE ARM.
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.

**LOMBARD
TS 31**

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 6/12/2022	DATE -	REVISED -

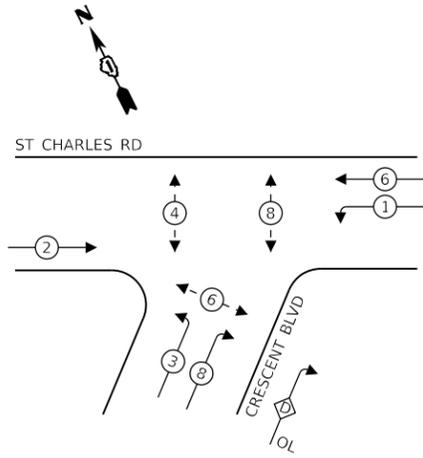
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
ST CHARLES RD AND CRESCENT BLVD**

SCALE: 1"=20' SHEET 86 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	151
			CONTRACT NO.	61H96
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



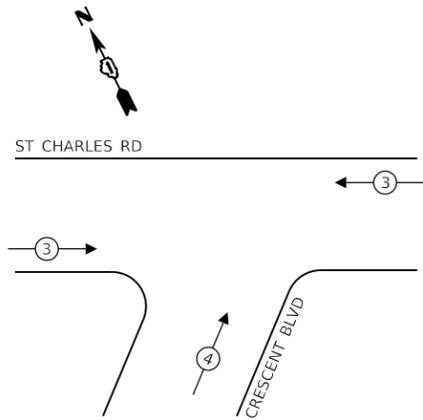
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	50
(YELLOW)	9	20	5	9
(GREEN)	9	12	45	49
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	6	20	100	120
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250
PTZ CAMERA	1	75	100	75
TOTAL =				836

ENERGY COSTS TO:

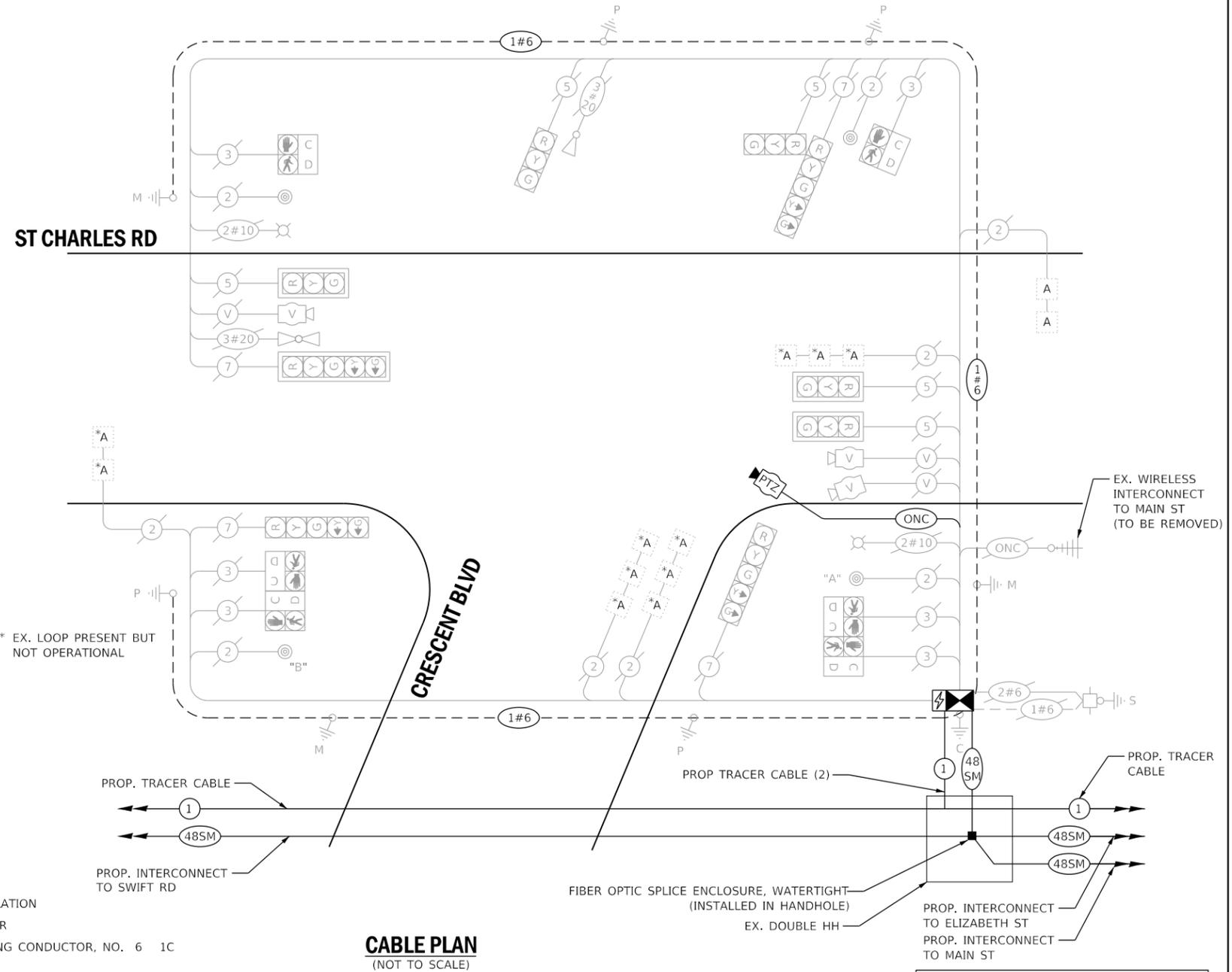
VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
5	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
458	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE EXISTING HANDHOLE
72	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL



CABLE PLAN
(NOT TO SCALE)

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASE 2 AND 4
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASE 4 AND 6

EX VIDEO DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

LOMBARD TS 31



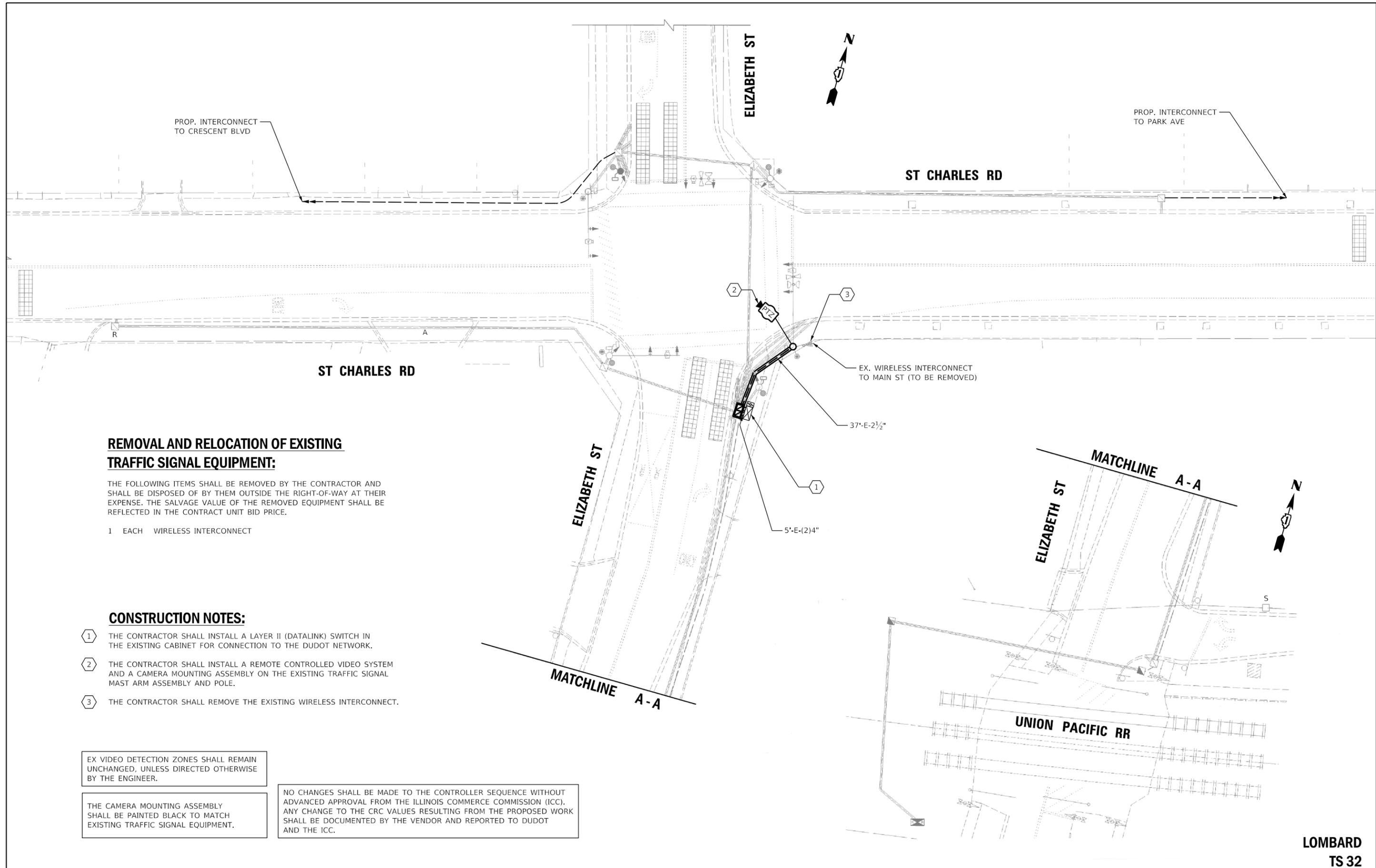
USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4 ST CHARLES RD AND CRESCENT BLVD

SCALE: SHEET 87 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	152
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH WIRELESS INTERCONNECT

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE EXISTING CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM AND A CAMERA MOUNTING ASSEMBLY ON THE EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.
- 3 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.

EX VIDEO DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE CAMERA MOUNTING ASSEMBLY SHALL BE PAINTED BLACK TO MATCH EXISTING TRAFFIC SIGNAL EQUIPMENT.

NO CHANGES SHALL BE MADE TO THE CONTROLLER SEQUENCE WITHOUT ADVANCED APPROVAL FROM THE ILLINOIS COMMERCE COMMISSION (ICC). ANY CHANGE TO THE CRC VALUES RESULTING FROM THE PROPOSED WORK SHALL BE DOCUMENTED BY THE VENDOR AND REPORTED TO DUDOT AND THE ICC.

LOMBARD TS 32

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 ST CHARLES RD AND ELIZABETH ST	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000' / in.	CHECKED - ZH	REVISED -			VAR.	19-DCCSS-04-TL	DUPAGE	293	153
	PLOT DATE = 6/12/2022	DATE -	REVISED -	SCALE: 1"=20'		SHEET 88 OF 96 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT

FILE NAME = X:\Projects\2021\2182\217400 DuPage DOT CentralCADD_Sheets\SH-4H-St Charles-ts-plan.dgn
Int 101

EX VIDEO DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE CAMERA MOUNTING ASSEMBLY SHALL BE PAINTED BLACK TO MATCH EXISTING TRAFFIC SIGNAL EQUIPMENT.

NO CHANGES SHALL BE MADE TO THE CONTROLLER SEQUENCE WITHOUT ADVANCED APPROVAL FROM THE ILLINOIS COMMERCE COMMISSION (ICC). ANY CHANGE TO THE CRC VALUES RESULTING FROM THE PROPOSED WORK SHALL BE DOCUMENTED BY THE VENDOR AND REPORTED TO DUDOT AND THE ICC.

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1050	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE EXISTING HANDHOLE
105	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	PAINT TRAFFIC SIGNAL EQUIPMENT
1	EACH	CAMERA MOUNTING ASSEMBLY, SPECIAL

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

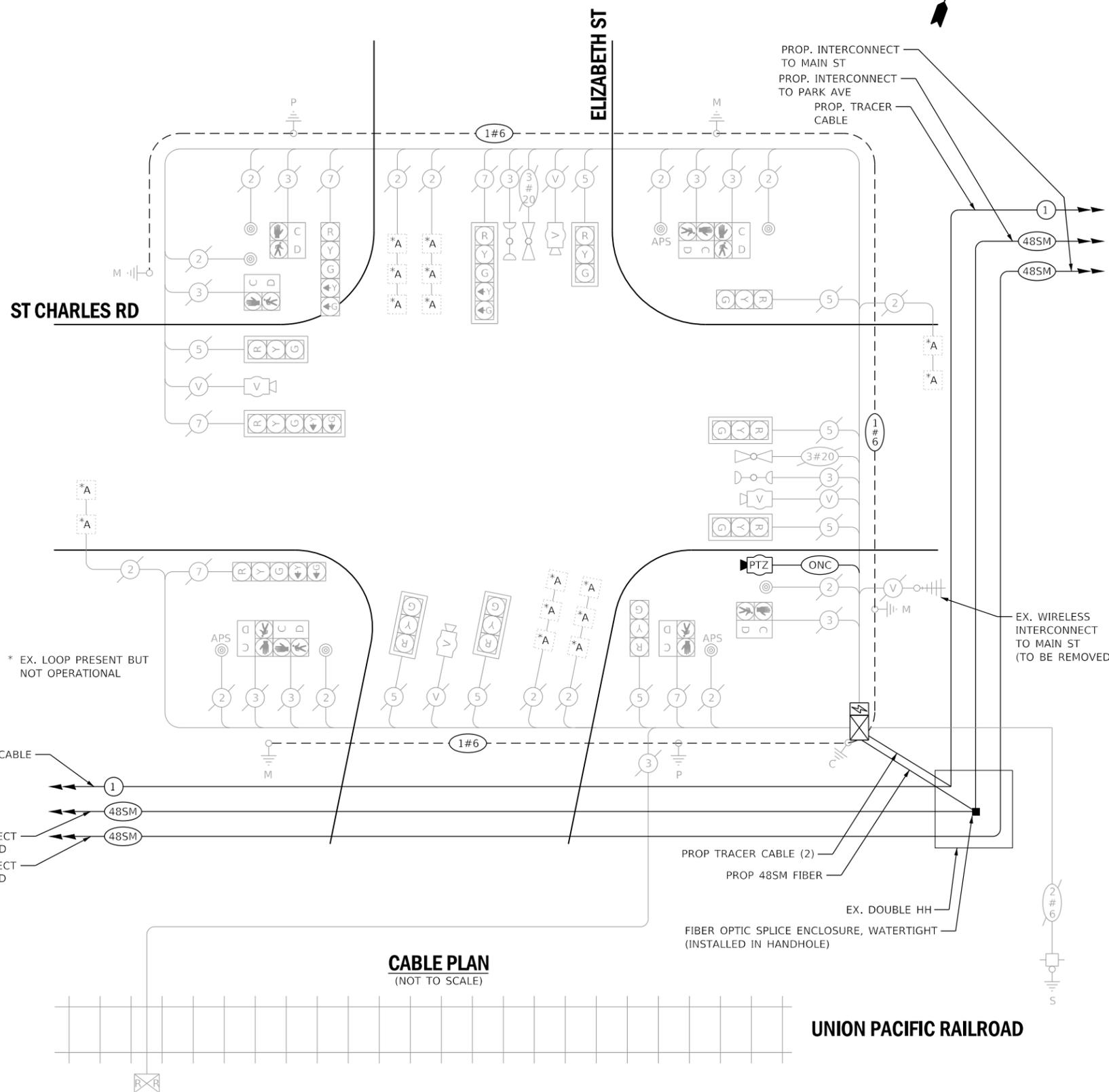
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	65
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	1	75	100	75
TOTAL =				661

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.
WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:



CABLE PLAN
(NOT TO SCALE)

UNION PACIFIC RAILROAD

LOMBARD
TS 32

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
ST CHARLES RD AND ELIZABETH ST

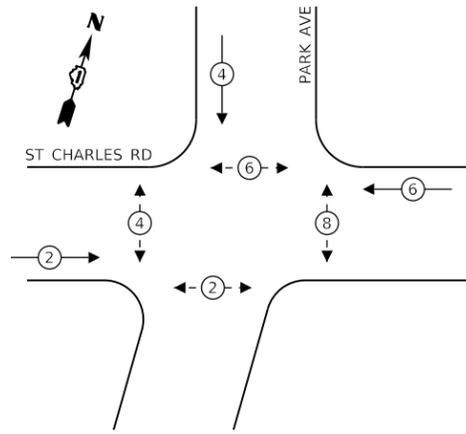
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	154
CONTRACT NO. 61H96			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 89 OF 96 SHEETS STA. TO STA.



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

EXISTING CONTROLLER SEQUENCE



LEGEND:

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

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

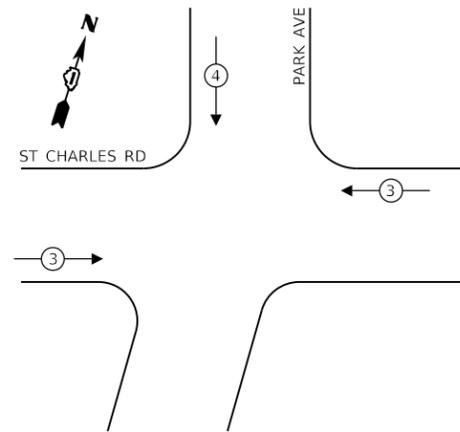
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT BID PRICE.

- 1 EACH CONTROLLER (ASC/25-2100) AND CABINET (COMPLETE)
- 1 EACH WIRELESS INTERCONNECT

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT AND VIDEO DETECTION SYSTEM.
- 3 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.
- 4 THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	6	11	50	33
(YELLOW)	6	20	5	6
(GREEN)	6	12	45	33
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	-	75	100	-
TOTAL =				507

ENERGY COSTS TO:

VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

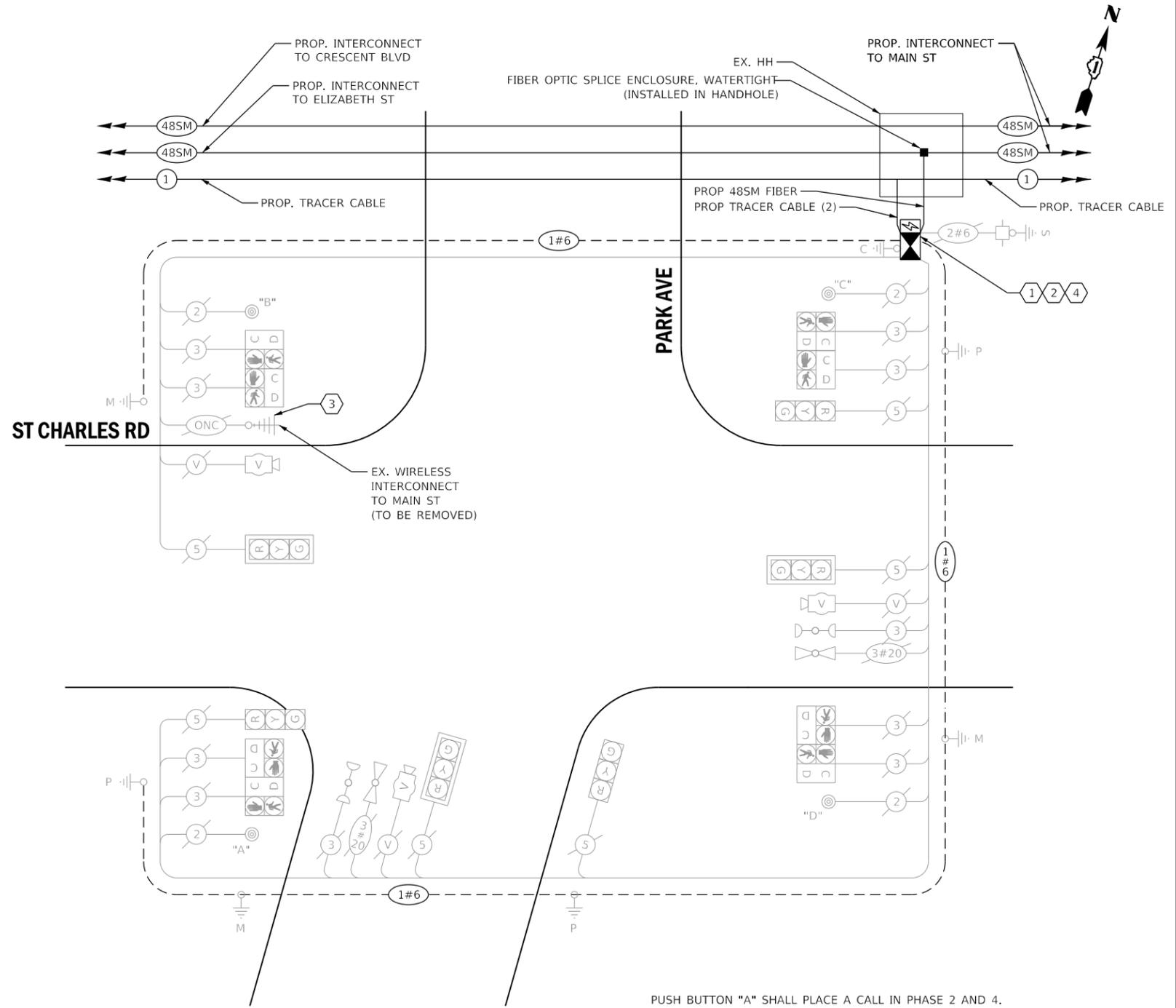
SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
73	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	RELOCATE VIDEO VEHICLE DETECTION SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
ST CHARLES RD AND PARK AVE

SCALE: SHEET 91 OF 96 SHEETS STA. TO STA.



CABLE PLAN
(NOT TO SCALE)

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASE 2 AND 4.
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASE 4 AND 6.
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASE 6 AND 8.
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASE 8 AND 2.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

EX VIDEO DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

LOMBARD TS 33



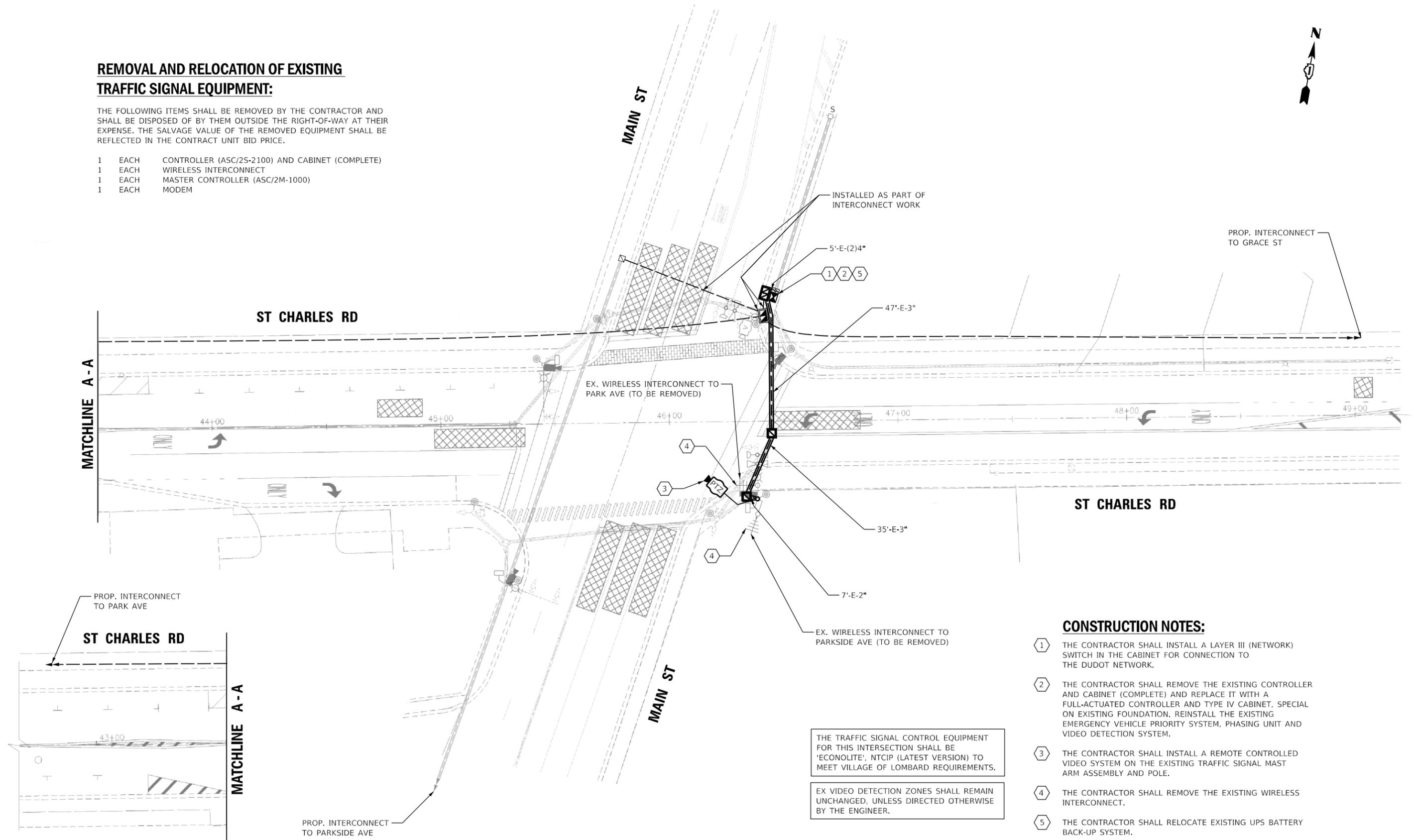
USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/12/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	156
			CONTRACT NO. 61H96	
		ILLINOIS FED. AID PROJECT		

REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

- 1 EACH CONTROLLER (ASC/2S-2100) AND CABINET (COMPLETE)
- 1 EACH WIRELESS INTERCONNECT
- 1 EACH MASTER CONTROLLER (ASC/2M-1000)
- 1 EACH MODEM



CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER III (NETWORK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT AND VIDEO DETECTION SYSTEM.
- 3 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING WIRELESS INTERCONNECT.
- 5 THE CONTRACTOR SHALL RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM.

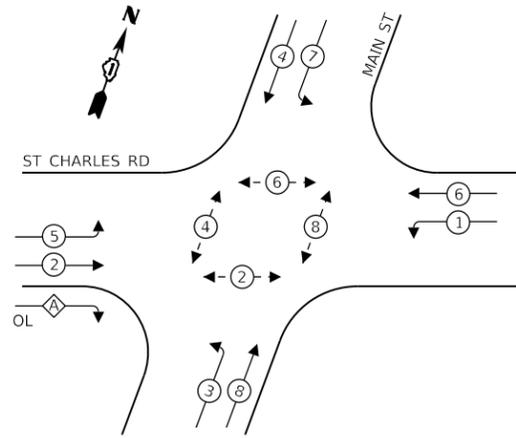
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

EX VIDEO DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

LOMBARD TS 11

	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4 MAIN ST AND ST CHARLES RD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -					VAR.	19-DCCSS-04-TL	DUPAGE	293	157
	PLOT DATE = 6/14/2022	DATE -	REVISED -		SCALE: 1"=20'	SHEET 92	OF 96	SHEETS	STA.	TO STA.	CONTRACT NO. 61H96	
											ILLINOIS FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE



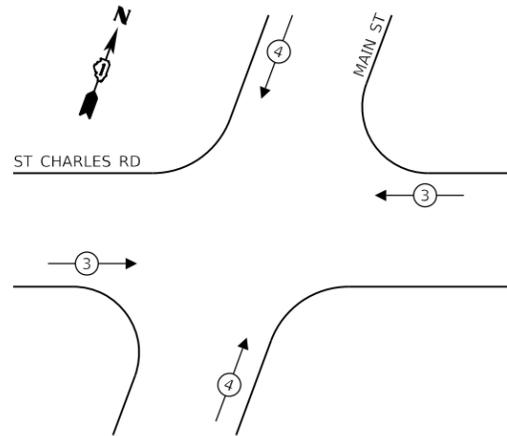
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88
(YELLOW)	16	20	5	16
(GREEN)	16	12	45	87
PERMISSIVE ARROW	20	10	10	20
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500
PTZ CAMERA	1	75	100	75
TOTAL =				1221

ENERGY COSTS TO:

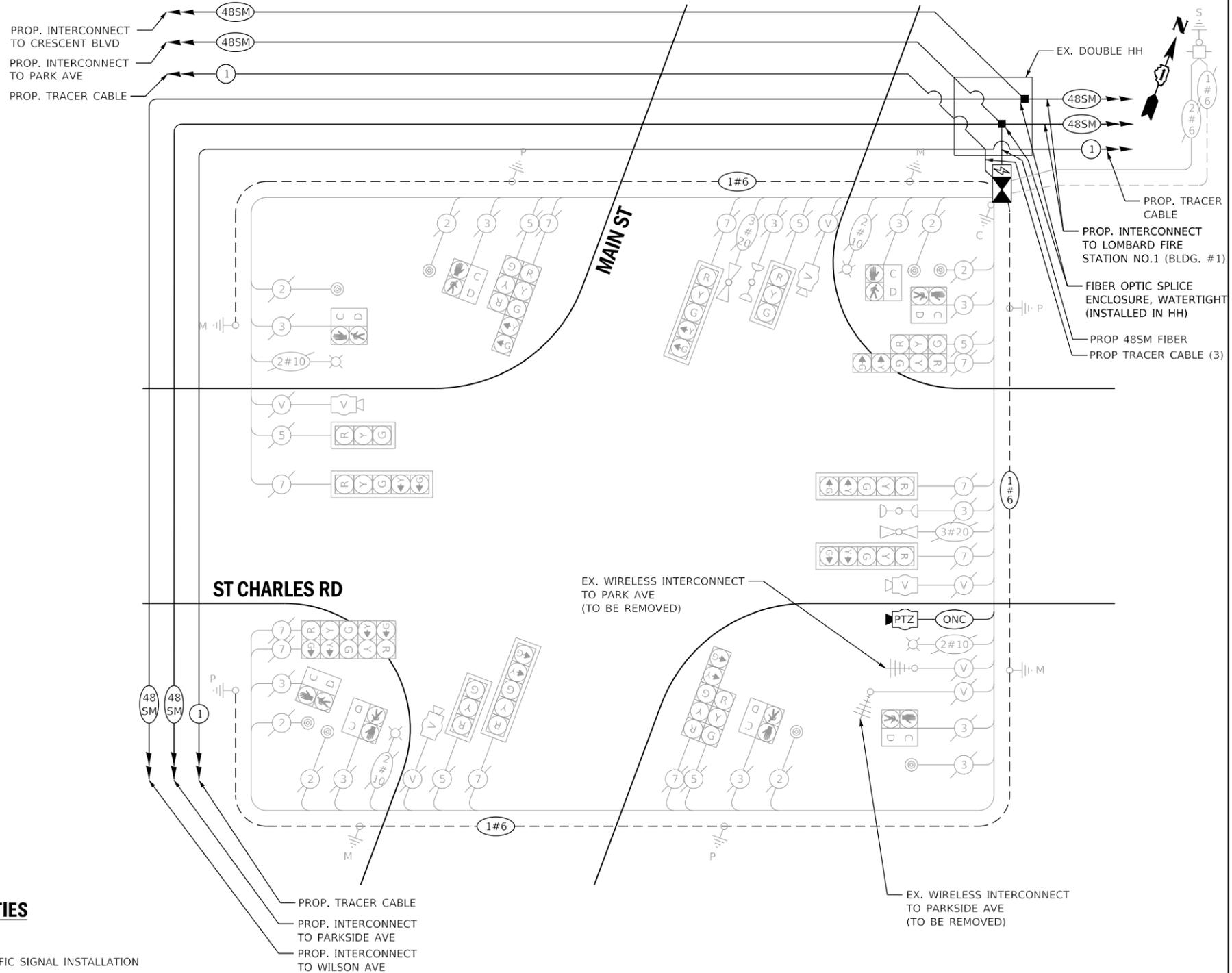
VILLAGE OF LOMBARD

255 E. WILSON AVE.
LOMBARD, IL 60148-3926

ENERGY SUPPLY: CONTACT: MR. ILYAS MOHIUDDIN
PHONE: (708)-235-2692
COMPANY: COMED UNIVERSITY PARK
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
6	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
188	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	RELOCATE VIDEO VEHICLE DETECTION SYSTEM
155	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	FIBER OPTIC SPLICE ENCLOSURE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER III (NETWORK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM



CABLE PLAN
(NOT TO SCALE)

EX VIDEO DETECTION ZONES SHALL REMAIN UNCHANGED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE 'ECONOLITE', NTCIP (LATEST VERSION) TO MEET VILLAGE OF LOMBARD REQUIREMENTS.

LOMBARD TS 11



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 7/7/2022	CHECKED - DW	REVISED -
	DATE -	REVISED -

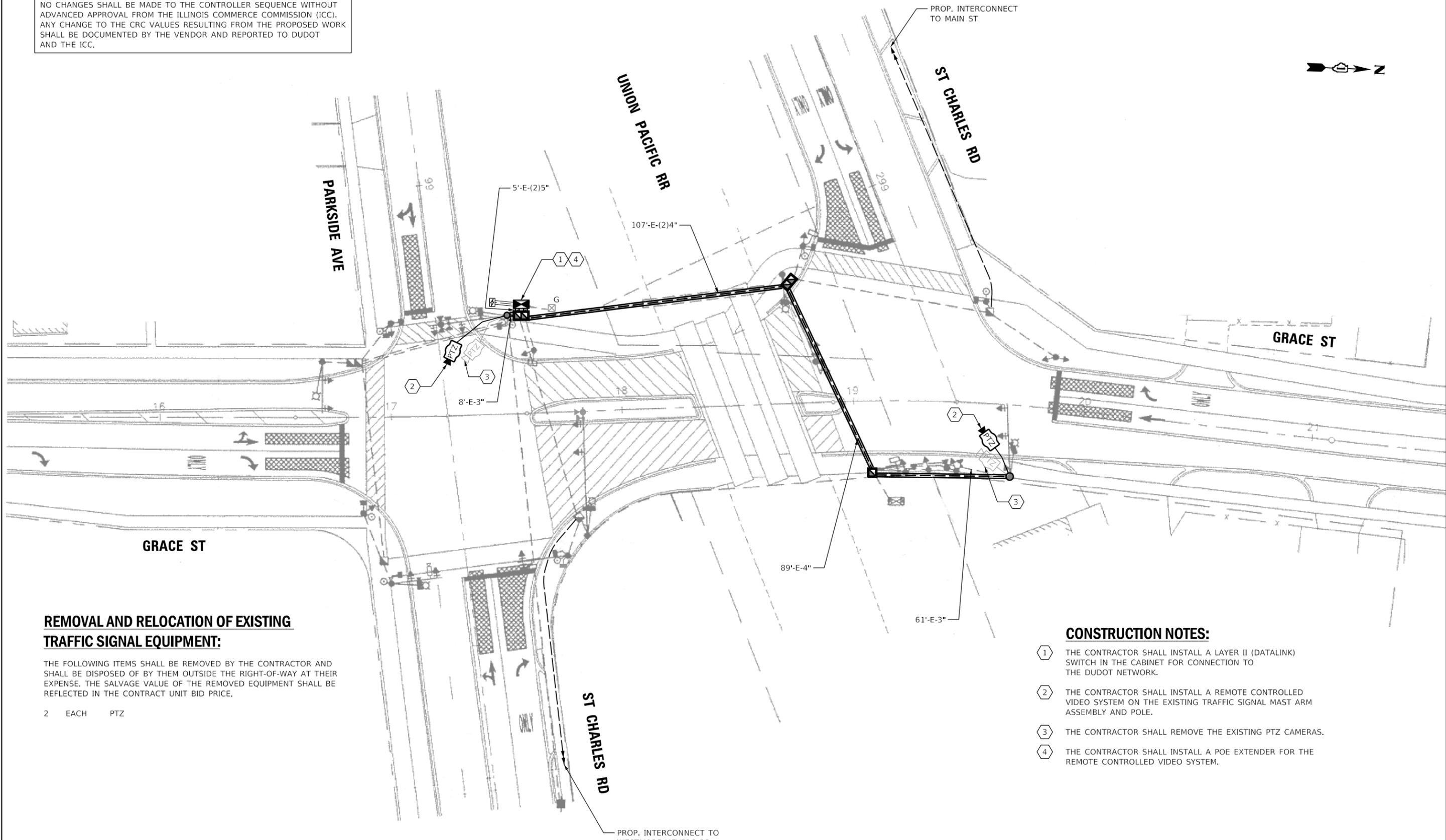
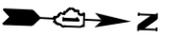
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
MAIN ST AND ST CHARLES RD

SCALE: SHEET 93 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	158
			CONTRACT NO.	61H96
ILLINOIS FED. AID PROJECT				

NO CHANGES SHALL BE MADE TO THE CONTROLLER SEQUENCE WITHOUT ADVANCED APPROVAL FROM THE ILLINOIS COMMERCE COMMISSION (ICC). ANY CHANGE TO THE CRC VALUES RESULTING FROM THE PROPOSED WORK SHALL BE DOCUMENTED BY THE VENDOR AND REPORTED TO DUDOT AND THE ICC.



REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

2 EACH PTZ

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- 2 THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.
- 3 THE CONTRACTOR SHALL REMOVE THE EXISTING PTZ CAMERAS.
- 4 THE CONTRACTOR SHALL INSTALL A POE EXTENDER FOR THE REMOTE CONTROLLED VIDEO SYSTEM.

LOMBARD TS 35



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/12/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN - AREA 4
ST CHARLES RD/PARKSIDE AVE AND GRACE ST

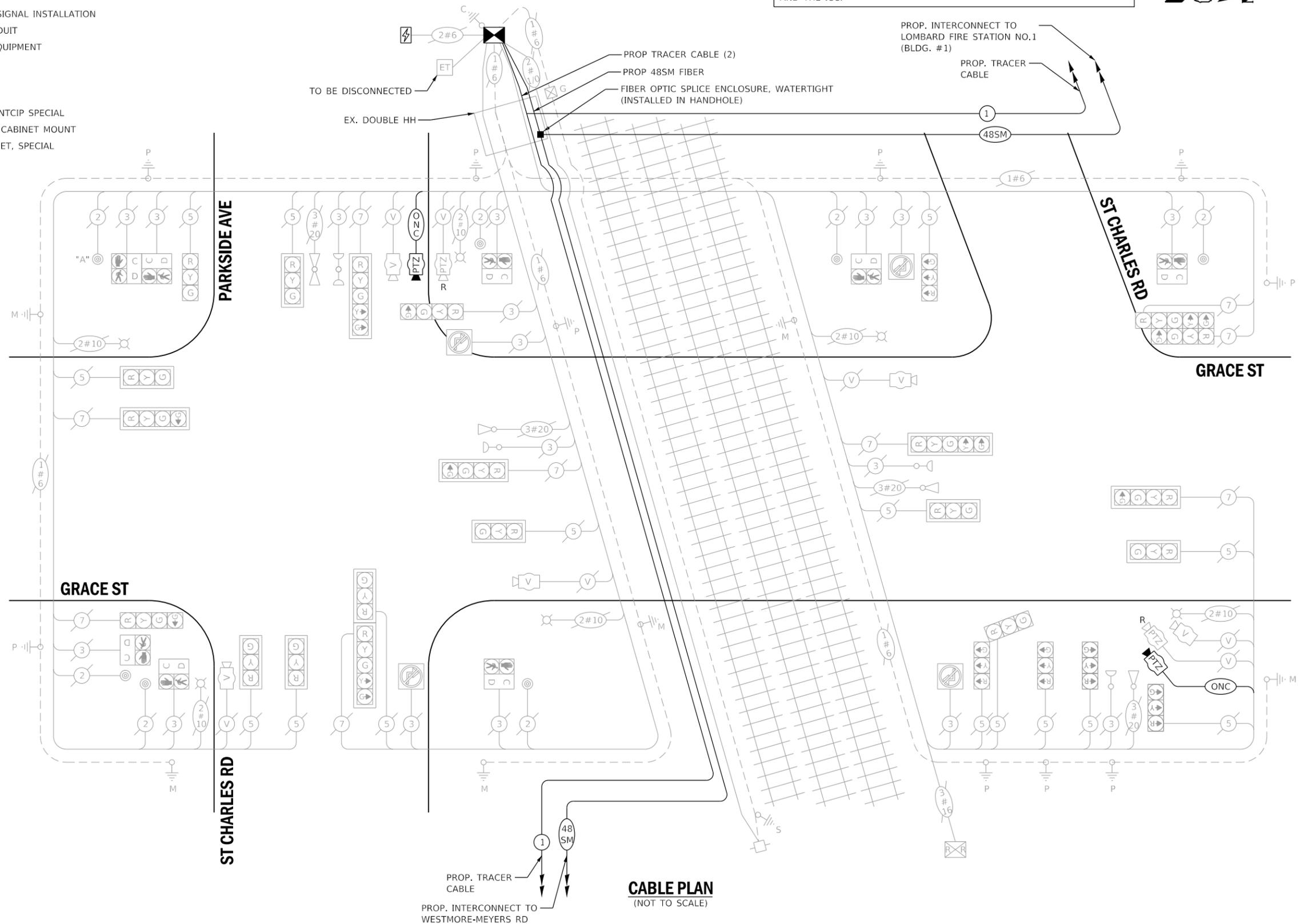
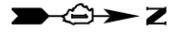
SCALE: 1"=20' SHEET 94 OF 96 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	159
CONTRACT NO. 61H96			ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
275	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
390	FOOT	OUTDOOR RATED NETWORK CABLE
2	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	POE EXTENDER

NO CHANGES SHALL BE MADE TO THE CONTROLLER SEQUENCE WITHOUT ADVANCED APPROVAL FROM THE ILLINOIS COMMERCE COMMISSION (ICC). ANY CHANGE TO THE CRC VALUES RESULTING FROM THE PROPOSED WORK SHALL BE DOCUMENTED BY THE VENDOR AND REPORTED TO DUDOT AND THE ICC.



NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL TO PEDESTRIAN PHASE CROSSING PARKSIDE AVE AND PEDESTRIAN PHASE CROSSING SOUTH LEG OF GRACE ST.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	25	11	50	138
(YELLOW)	25	20	5	25
(GREEN)	31	12	45	168
PERMISSIVE ARROW	8	10	10	8
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	4	25	5	5
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	250	50	750
PTZ CAMERA	2	75	100	150
TOTAL =				1679

ENERGY COSTS TO:
VILLAGE OF LOMBARD
255 E. WILSON AVE.
LOMBARD, IL 60148-3926
ENERGY SUPPLY: CONTACT: MR. JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMED LOMBARD
ACCOUNT NUMBER:

CABLE PLAN
(NOT TO SCALE)

LOMBARD TS 35

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - AREA 4
ST CHARLES RD/PARKSIDE AVE AND GRACE ST

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-DCCSS-04-TL	DUPAGE	293	160
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DW	REVISED -
PLOT DATE = 7/7/2022	DATE -	REVISED -

SCALE: SHEET 95 OF 96 SHEETS STA. TO STA.

- * TO APPEAR ONLY UPON PUSH-BUTTON ACTUATION
- ** FLASHING 'DON'T WALK' IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.
- W = 'WALK'
- FL = 'FLASHING 'DON'T WALK''
- DW = 'DON'T WALK'
- NRT = [Symbol]
- NLT = [Symbol]
- DARK = 'NO DISPLAY'
- PHASE 'B' SHALL BE PLACED ON RECALL

FOR INFORMATION ONLY

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION

FROM NORMAL SEQUENCE INTERVAL NO.	1	4	10	15	19	2	3	4	5	PREEMPTOR NUMBER 2	2	3	4	5	CLEAR TO NORM. SEQ.								
FROM E.V. PREEMPT SEQUENCE INT. NO.	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	2	3	4	5		
R.R. PREEMPT SEQUENCE INTERVAL NO.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	5			
CHANGE TO R.R. PREEMPT SEQUENCE NO.	1B	2	2	1E	2	1G	2	1J	2	1L	2	1N	2	1Q	2	1S	2	3	4	5			
W/B ST. CHARLES ROAD - NEAR RIGHT AND FAR RIGHT MAST ARM MOUNTED SIGNALS	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
W/B ST. CHARLES ROAD - FAR LEFT POST AND END MAST ARM MOUNTED SIGNALS	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
E/B PARKSIDE AVENUE - ALL SIGNALS	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
N/B GRACE STREET - FAR LEFT POST AND END MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
N/B GRACE STREET - FAR RIGHT MAST ARM MOUNTED SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
N/B GRACE STREET (NORTH OF TRACKS) - FAR LEFT POST AND END MAST ARM MOUNTED SIGNALS	G	G	G	R	R	R	R	G	G	G	G	R	R	R	R	G	G	G	G	R	R	R	R
N/B GRACE STREET (NORTH OF TRACKS) - FAR RIGHT MAST ARM MOUNTED SIGNAL	G	G	G	R	R	R	R	G	G	G	G	R	R	R	R	G	G	G	G	R	R	R	R
E/B ST. CHARLES ROAD - NEAR RIGHT, FAR RIGHT, AND CENTER FAR RIGHT POST SIGNALS	R	R	Y	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
E/B ST. CHARLES ROAD - FAR LEFT AND CENTER FAR LEFT POST SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
S/B GRACE STREET - NEAR RIGHT POST AND FAR RIGHT MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
S/B GRACE STREET - FAR LEFT POST AND END MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
S/B GRACE STREET (SOUTH OF TRACKS) - FAR LEFT POST AND END MAST ARM MOUNTED SIGNALS	R	R	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
S/B GRACE STREET (SOUTH OF TRACKS) - FAR RIGHT MAST ARM MOUNTED SIGNAL	R	R	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
E/B & W/B ST. CHARLES ROAD INTERNALLY ILLUMINATED FIBER OPTIC SIGN - NO RIGHT TURN	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT									
E/B PARKSIDE AVENUE INTERNALLY ILLUMINATED FIBER OPTIC SIGN - NO LEFT TURN	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT									
PEDESTRIAN SIGNALS CROSSING GRACE STREET, SOUTH LEG, SOUTH OF TRACKS	FL	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW								
PEDESTRIAN SIGNALS CROSSING PARKSIDE AVENUE, WEST LEG, SOUTH OF TRACKS	DW	DW	FL	FL	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
PEDESTRIAN SIGNALS CROSSING ST. CHARLES ROAD, EAST LEG, SOUTH OF TRACKS	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW									
PEDESTRIAN SIGNALS CROSSING ST. CHARLES ROAD, WEST LEG, NORTH OF TRACKS	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW									

RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE PROPER CLEARANCE INTERVAL TO RESUME TO NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

THE FLASHING 'DON'T WALK' INTERVALS MAY BE SHORTENED TO PROVIDE FOR PROPER TIMING OF THE RAILROAD PREEMPTION SEQUENCE.

EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4, OR 5 IS TERMINATED.

FLASHING 'DON'T WALK' IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.

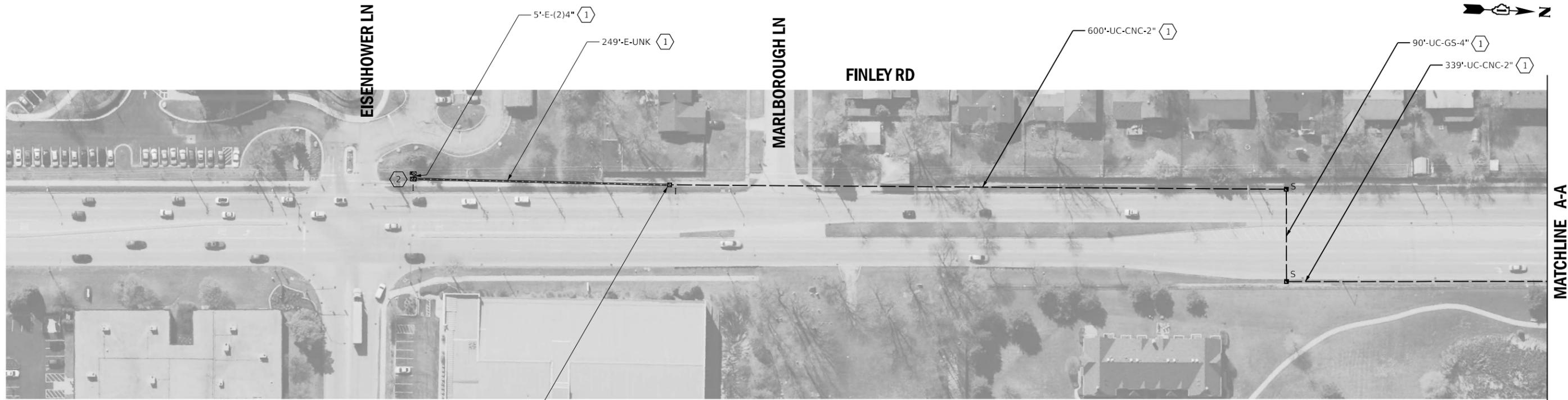
- FL = 'FLASHING 'DON'T WALK''
- DW = 'DON'T WALK'

PROPOSED SEQUENCE OF OPERATION

MOVEMENT	1	2	3A	3B	4	5	6A	6B	6C	6D	7A	7B	7C	8	9	10	11	12A	12B	13A	13B	14A	14B	15	16	17A	17B	18	19	20	21A	21B	FLASHER	
CHANGE TO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
W/B ST. CHARLES ROAD - NEAR RIGHT AND FAR RIGHT MAST ARM MOUNTED SIGNALS	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
W/B ST. CHARLES ROAD - FAR LEFT POST AND END MAST ARM MOUNTED SIGNALS	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
E/B PARKSIDE AVENUE - ALL SIGNALS	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
N/B GRACE STREET - FAR LEFT POST AND END MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
N/B GRACE STREET - FAR RIGHT MAST ARM MOUNTED SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
N/B GRACE STREET (NORTH OF TRACKS) - FAR LEFT POST AND END MAST ARM MOUNTED SIGNALS	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
N/B GRACE STREET (NORTH OF TRACKS) - FAR RIGHT MAST ARM MOUNTED SIGNAL	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
E/B ST. CHARLES ROAD - NEAR RIGHT, FAR RIGHT, AND CENTER FAR RIGHT POST SIGNALS	R	R	R	Y	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
E/B ST. CHARLES ROAD - FAR LEFT AND CENTER FAR LEFT POST SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
S/B GRACE STREET - NEAR RIGHT POST AND FAR RIGHT MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
S/B GRACE STREET - FAR LEFT POST AND END MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
S/B GRACE STREET (SOUTH OF TRACKS) - FAR LEFT POST AND END MAST ARM MOUNTED SIGNALS	R	R	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
S/B GRACE STREET (SOUTH OF TRACKS) - FAR RIGHT MAST ARM MOUNTED SIGNAL	R	R	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
E/B & W/B ST. CHARLES ROAD INTERNALLY ILLUMINATED FIBER OPTIC SIGN - NO RIGHT TURN	NRT																																	
E/B PARKSIDE AVENUE INTERNALLY ILLUMINATED FIBER OPTIC SIGN - NO LEFT TURN	NLT																																	
PEDESTRIAN SIGNALS CROSSING GRACE STREET, SOUTH LEG, SOUTH OF TRACKS	FL	DW																																
PEDESTRIAN SIGNALS CROSSING PARKSIDE AVENUE, WEST LEG, SOUTH OF TRACKS	DW	DW	FL	FL	DW																													
PEDESTRIAN SIGNALS CROSSING ST. CHARLES ROAD, EAST LEG, SOUTH OF TRACKS	DW																																	
PEDESTRIAN SIGNALS CROSSING ST. CHARLES ROAD, WEST LEG, NORTH OF TRACKS	DW																																	

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

FROM NORMAL SEQUENCE INTERVAL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257
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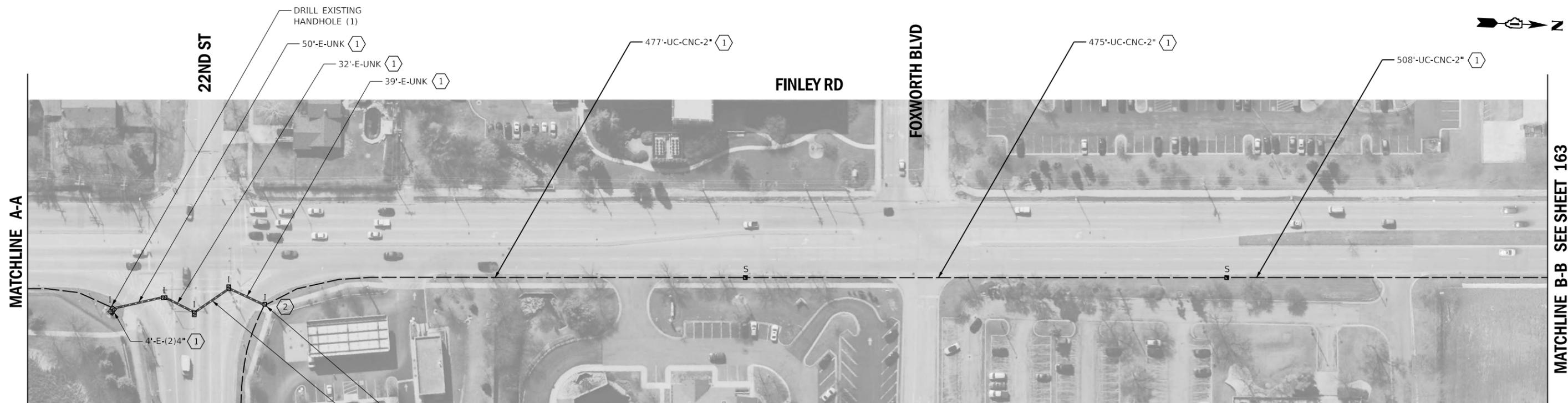


NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.

TRAFFIC SIGNAL PLANS
SEE SHEET 66

DRILL EXISTING
HANDHOLE (1)



MATCHLINE C-C SEE SHEET 192

TRAFFIC SIGNAL PLANS
SEE SHEET 68

DRILL EXISTING
HANDHOLE (2)



USER NAME = rgeorgescu
PLOT SCALE = 100,0000' / in.
PLOT DATE = 6/13/2022

DESIGNED - DW
DRAWN - RG
CHECKED - ZH
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION A - FINLEY RD**

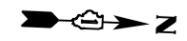
SCALE: 1"=50'

SHEET 1 OF 44 SHEETS

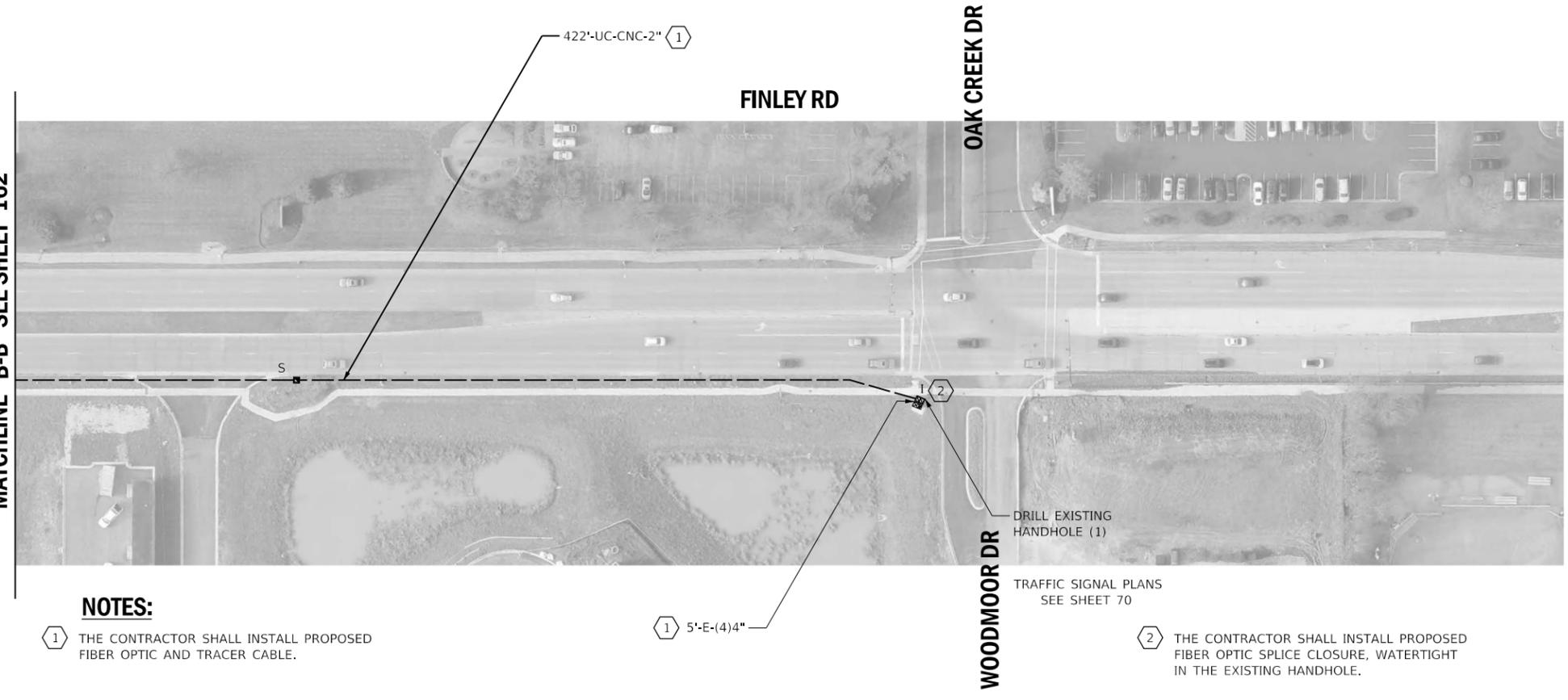
STA.

TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	162
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



MATCHLINE B-B SEE SHEET 162



NOTES:

1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.

1 5'-E-(4)4"

DRILL EXISTING HANDHOLE (1)

TRAFFIC SIGNAL PLANS SEE SHEET 70

2 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



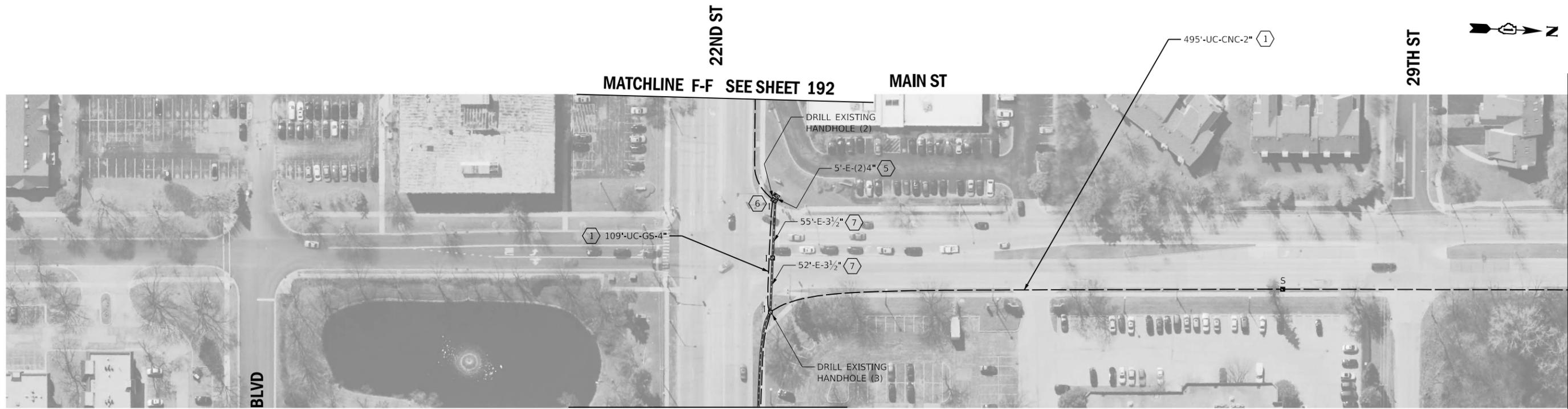
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 6/14/2022	CHECKED - ZH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION A - FINLEY RD

SCALE: 1"=50' SHEET 2 OF 44 SHEETS STA. TO STA.

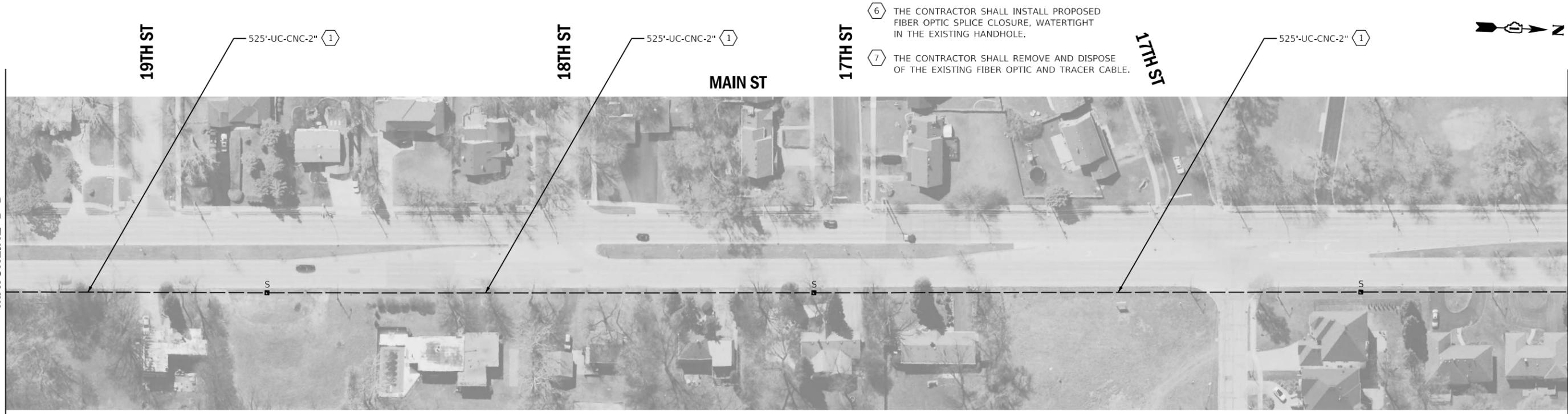
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	163
ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 61H96				



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL BYPASS THE CONTROL CABINET AT THIS INTERSECTION. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION HAS BEEN INCLUDED IF EXISTING TRAFFIC SIGNAL HANDHOLES OR CONDUIT ARE USED IN INTERCONNECT ROUTING.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ EXISTING 1 1/2" CONDUIT WAS INSTALLED FOR VILLAGE OF LOMBARD USE BETWEEN EXISTING EVERSTREAM HANDHOLES (JUNE 14TH, 2021).
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.

TRAFFIC SIGNAL PLANS
SEE SHEET 72



- ⑥ THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.
- ⑦ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

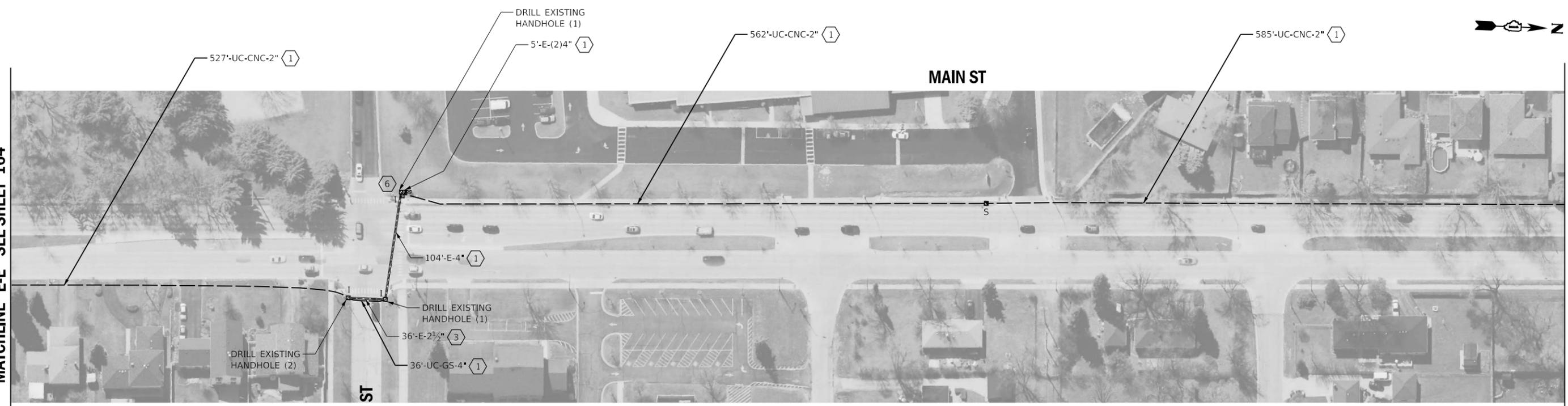
PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION B - MAIN ST

SCALE: 1"=50' SHEET 3 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	164
CONTRACT NO.			61H96	
ILLINOIS FED. AID PROJECT				

MATCHLINE E-E SEE SHEET 164

MATCHLINE H-H



NOTES:

- (1) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- (2) THE CONTRACTOR SHALL BYPASS THE CONTROL CABINET AT THIS INTERSECTION. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION HAS BEEN INCLUDED IF EXISTING TRAFFIC SIGNAL HANDHOLES OR CONDUIT ARE USED IN INTERCONNECT ROUTING.
- (3) EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- (4) EXISTING 1 1/2" CONDUIT WAS INSTALLED FOR VILLAGE OF LOMBARD USE BETWEEN EXISTING EVERSTREAM HANDHOLES (JUNE 14TH, 2021).

TRAFFIC SIGNAL PLANS
SEE SHEET 75

15TH ST

14TH PL

- (5) THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.

- (6) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.
- (7) THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.



MATCHLINE H-H

MATCHLINE I-I SEE SHEET 166



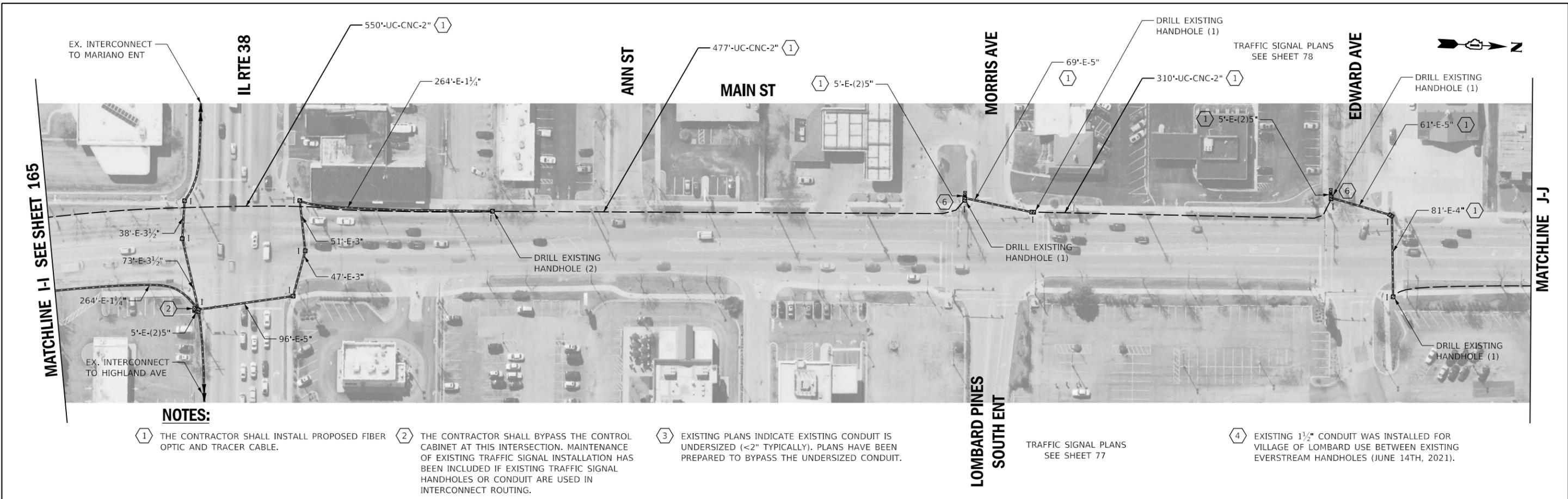
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION B - MAIN ST

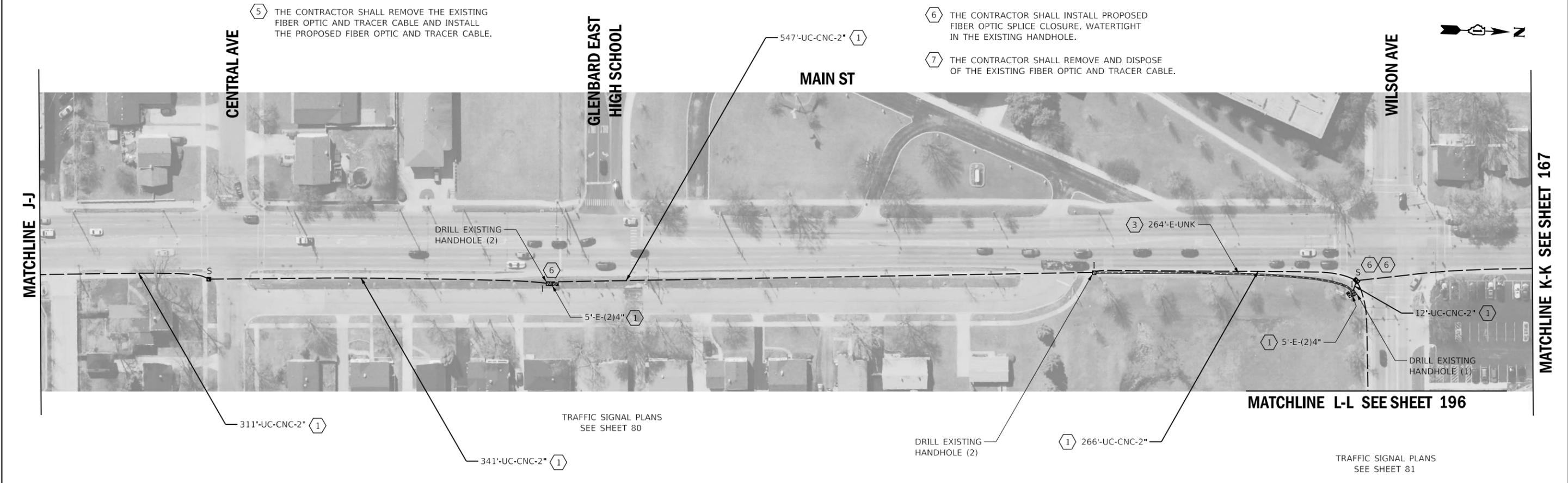
SCALE: 1"=50' SHEET 4 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	165
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



NOTES:

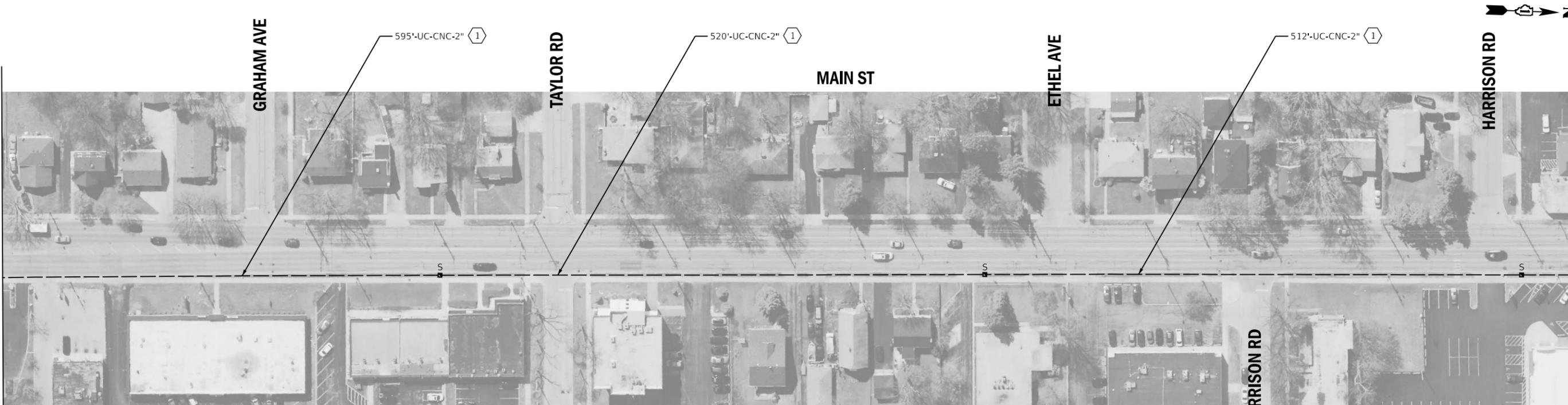
- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL BYPASS THE CONTROL CABINET AT THIS INTERSECTION. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION HAS BEEN INCLUDED IF EXISTING TRAFFIC SIGNAL HANDHOLES OR CONDUIT ARE USED IN INTERCONNECT ROUTING.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ EXISTING 1 1/2" CONDUIT WAS INSTALLED FOR VILLAGE OF LOMBARD USE BETWEEN EXISTING EVERSTREAM HANDHOLES (JUNE 14TH, 2021).



	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN - AREA 4 LOCATION B - MAIN ST			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -		SCALE: 1"=50'	SHEET 5	OF 44 SHEETS	STA.	TO STA.	VAR.	19-DCCSS-03-TL	DUPAGE	293 166
	PLOT DATE = 6/13/2022	CHECKED - ZH	REVISED -		TRAFFIC SIGNAL PLANS SEE SHEET 80						CONTRACT NO. 61H96		
		DATE -	REVISED -		TRAFFIC SIGNAL PLANS SEE SHEET 81						ILLINOIS FED. AID PROJECT		

MATCHLINE K-K SEE SHEET 166

MATCHLINE M-M

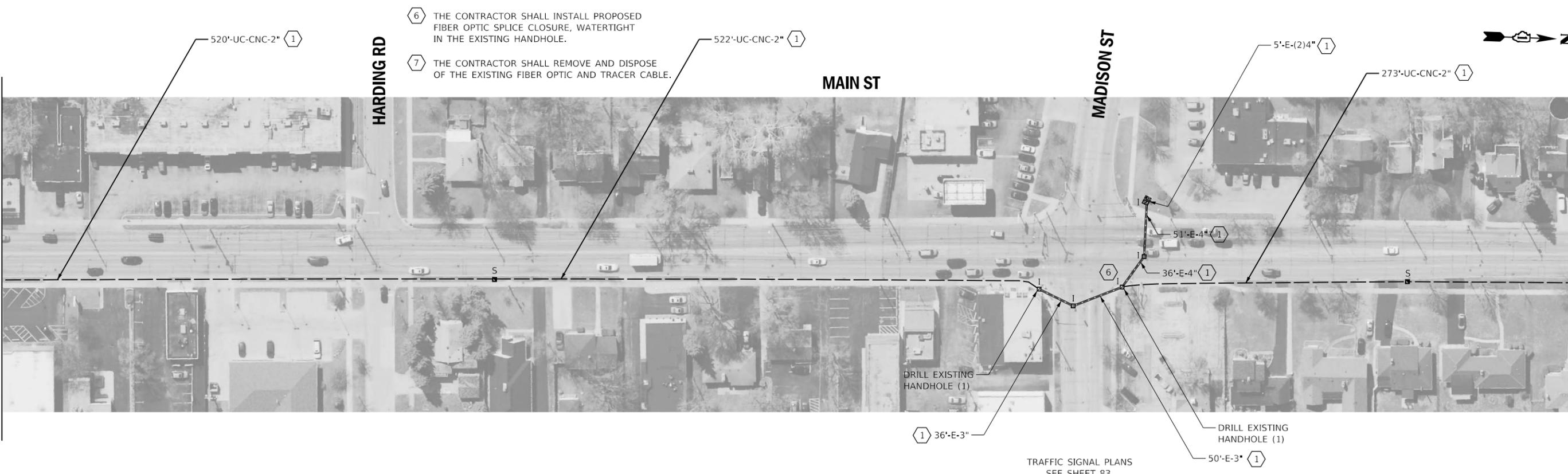


NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL BYPASS THE CONTROL CABINET AT THIS INTERSECTION. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION HAS BEEN INCLUDED IF EXISTING TRAFFIC SIGNAL HANDHOLES OR CONDUIT ARE USED IN INTERCONNECT ROUTING.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ EXISTING 1½" CONDUIT WAS INSTALLED FOR VILLAGE OF LOMBARD USE BETWEEN EXISTING EVERSTREAM HANDHOLES (JUNE 14TH, 2021).
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.

MATCHLINE M-M

MATCHLINE N-N SEE SHEET 168



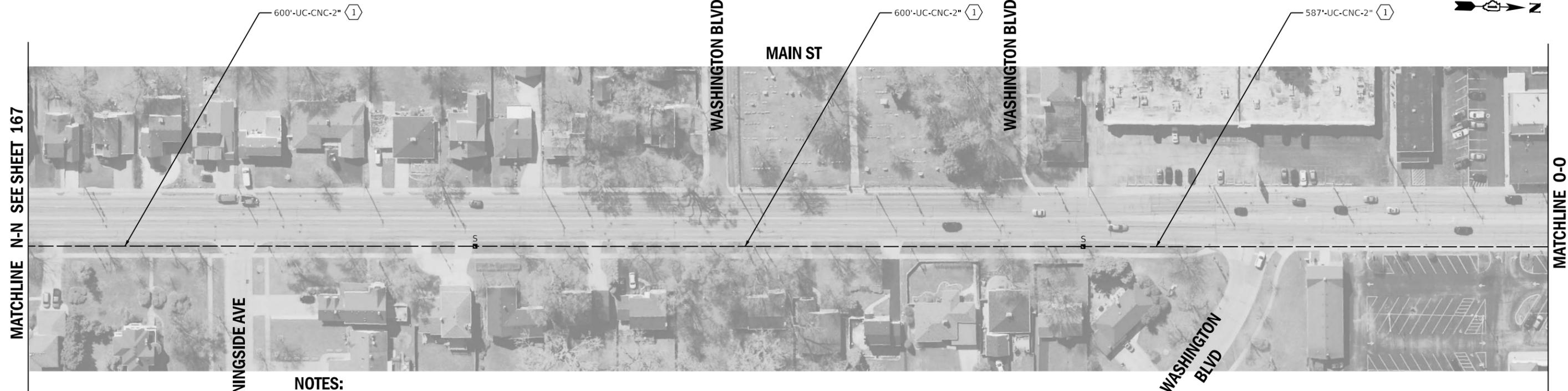
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		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 6/13/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION B - MAIN ST**

SCALE: 1"=50' SHEET 6 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	167
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	



MATCHLINE N-N SEE SHEET 167

MATCHLINE O-O

MORNINGSIDE AVE

WASHINGTON BLVD

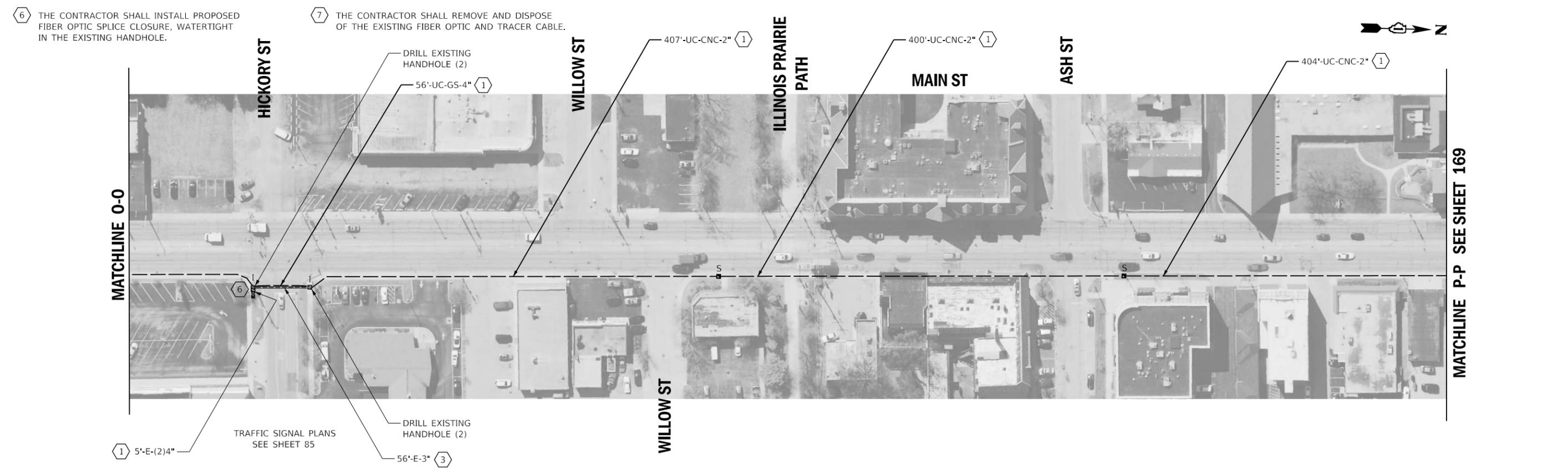
MAIN ST

WASHINGTON BLVD

WASHINGTON BLVD

NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL BYPASS THE CONTROL CABINET AT THIS INTERSECTION. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION HAS BEEN INCLUDED IF EXISTING TRAFFIC SIGNAL HANDHOLES OR CONDUIT ARE USED IN INTERCONNECT ROUTING.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ EXISTING 1½" CONDUIT WAS INSTALLED FOR VILLAGE OF LOMBARD USE BETWEEN EXISTING EVERSTREAM HANDHOLES (JUNE 14TH, 2021).
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.



MATCHLINE O-O

MATCHLINE P-P SEE SHEET 169

HICKORY ST

WILLOW ST

ILLINOIS PRAIRIE PATH

MAIN ST

ASH ST

WILLOW ST

TRAFFIC SIGNAL PLANS SEE SHEET 85

DRILL EXISTING HANDHOLE (2)

56'-E-3" (3)

5'-E-(2)4" (1)

DRILL EXISTING HANDHOLE (2)

56'-UC-GS-4" (1)

407'-UC-CNC-2" (1)

400'-UC-CNC-2" (1)

404'-UC-CNC-2" (1)

⑥ THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.

⑦ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.



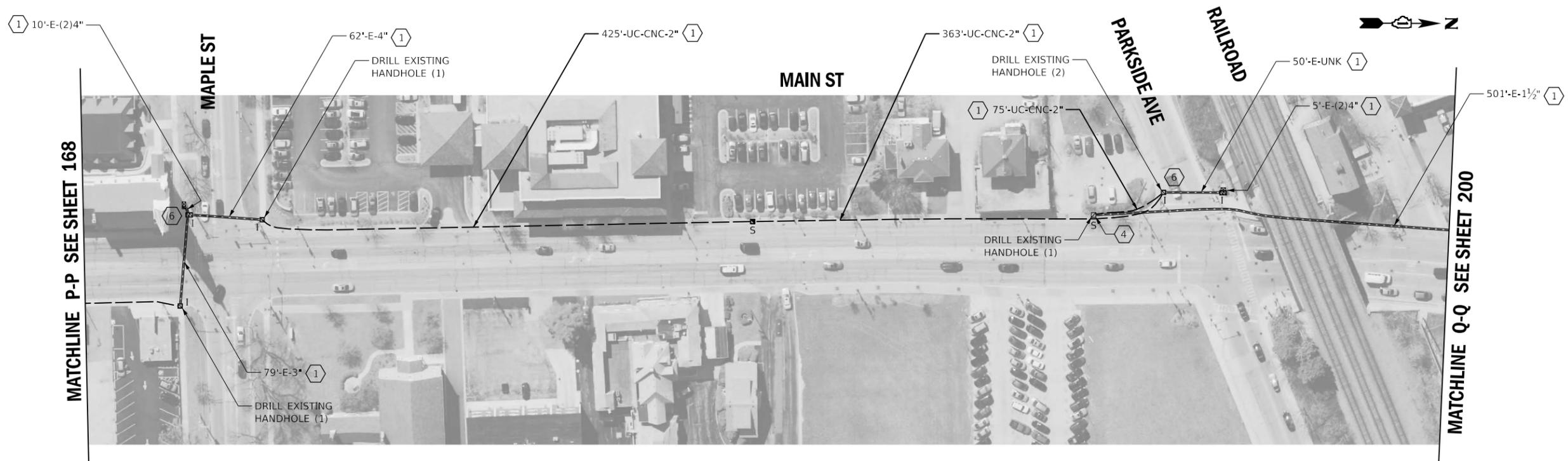
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION B - MAIN ST

SCALE: 1"=50' SHEET 7 OF 44 SHEETS STA. TO STA.

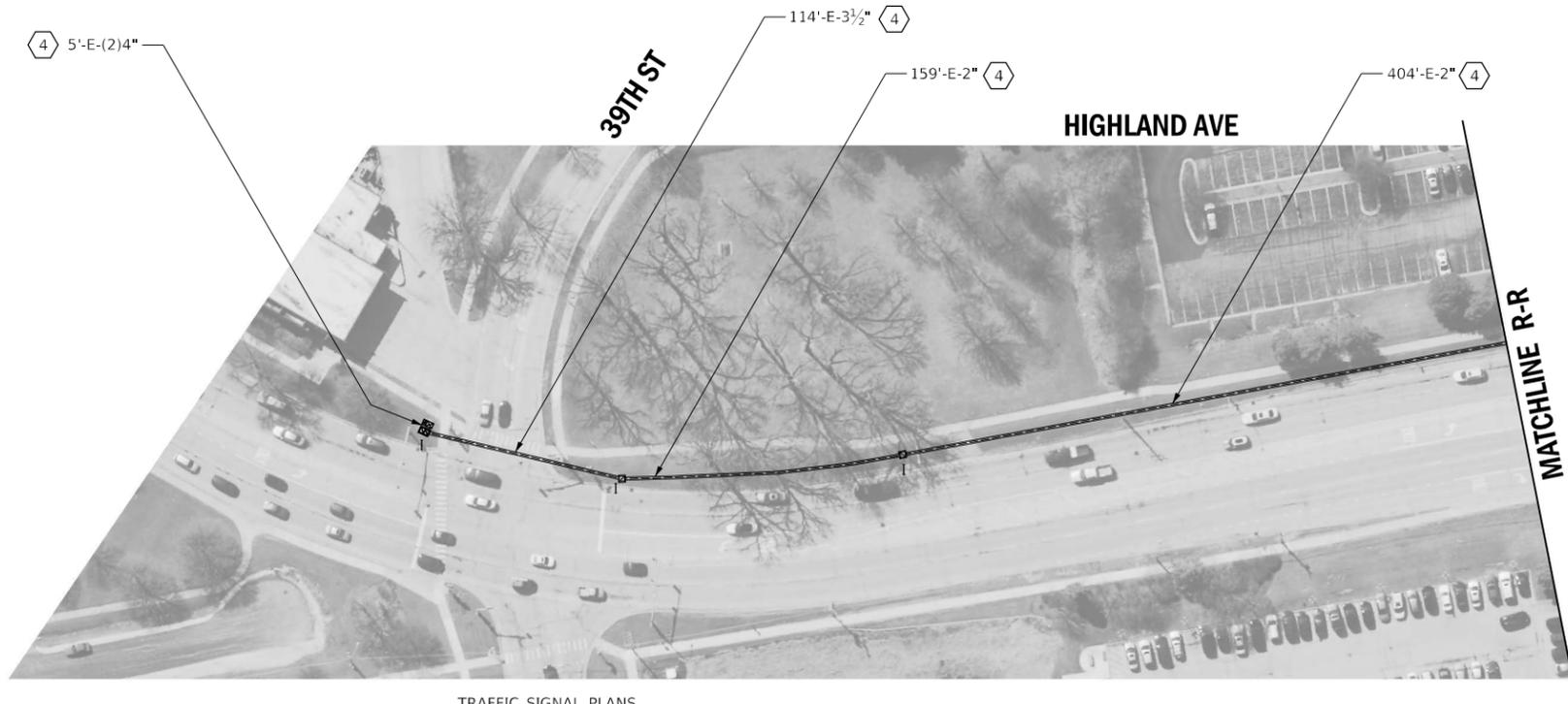
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	168
CONTRACT NO. 61H96				
ILLINOIS FED. AID PROJECT				



NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
 - 2 THE CONTRACTOR SHALL BYPASS THE CONTROL CABINET AT THIS INTERSECTION. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION HAS BEEN INCLUDED IF EXISTING TRAFFIC SIGNAL HANDHOLES OR CONDUIT ARE USED IN INTERCONNECT ROUTING.
 - 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
 - 4 EXISTING 1 1/2" CONDUIT WAS INSTALLED FOR VILLAGE OF LOMBARD USE BETWEEN EXISTING EVERSTREAM HANDHOLES (JUNE 14TH, 2021).
- TRAFFIC SIGNAL PLANS SEE SHEET 87
- TRAFFIC SIGNAL PLANS SEE SHEET 89
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
 - 6 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.
 - 7 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE.

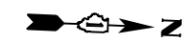
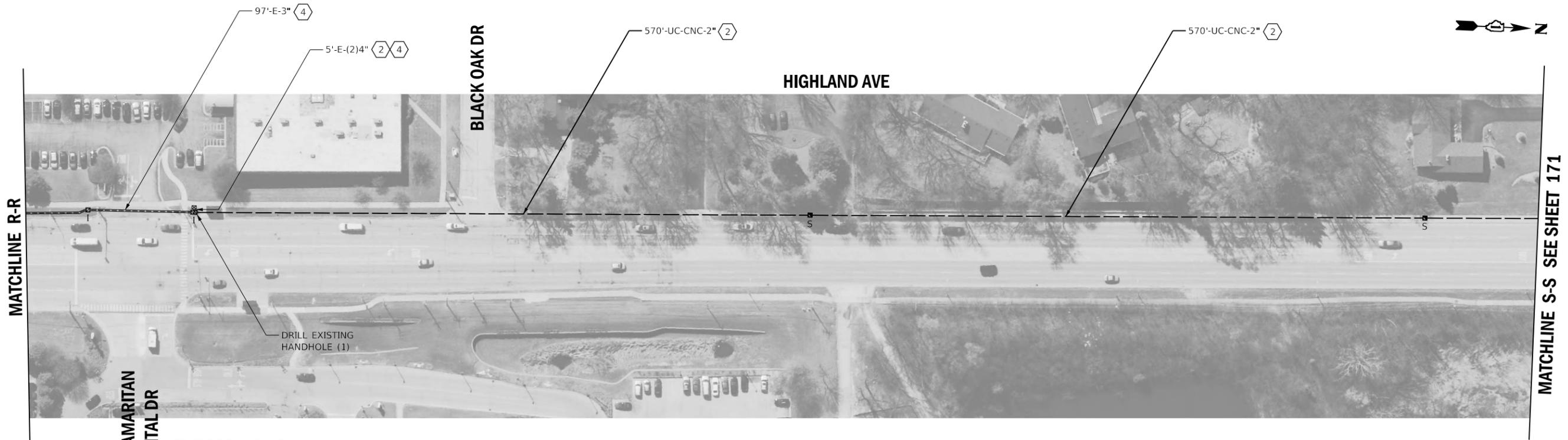
	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN - AREA 4 LOCATION B - MAIN ST	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000 ' / in.	DRAWN - RG	REVISED -			VAR.	19-DCCSS-03-TL	DUPAGE	293	169
PLOT DATE = 6/13/2022	CHECKED - ZH	REVISED -	REVISED -	SCALE: 1"=50'		SHEET 8	OF 44 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
FILE NAME = X:\Projects\2021\2182\217400 DuPage DOT Central\CADD_Sheets\sh-Int-A4-B-MaIn.dgn	DATE -	REVISED -	REVISED -			CONTRACT NO. 61H96				



TRAFFIC SIGNAL PLANS
SEE SHEET 91

NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ③ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- ④ THE CONTRACTOR SHALL REMOVE THE EXISTING COPPER INTERCONNECT AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



TRAFFIC SIGNAL PLANS
SEE SHEET 93



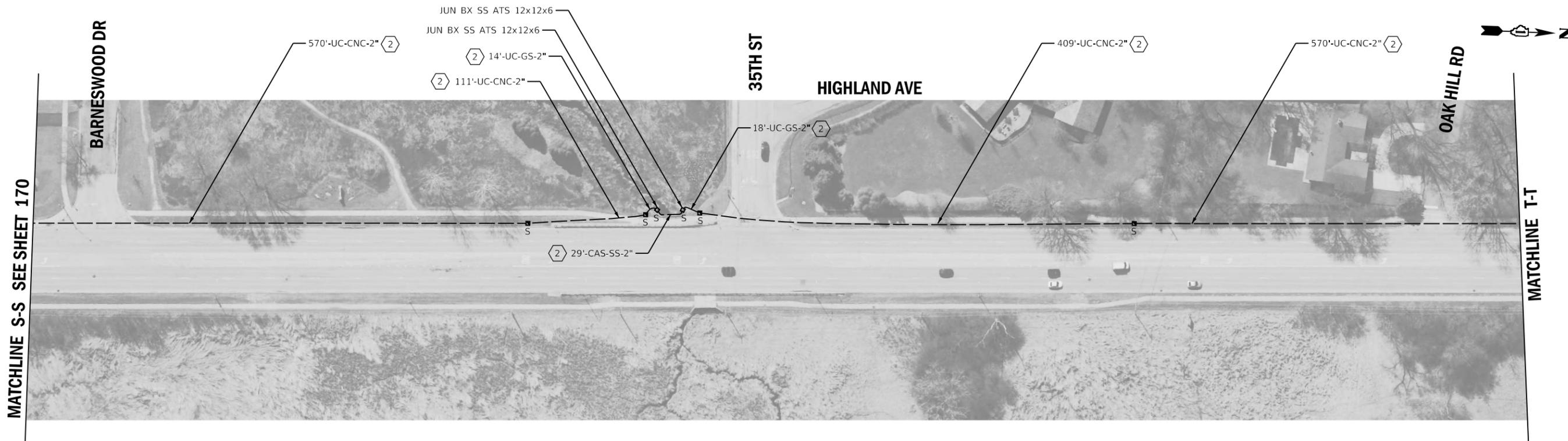
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION C - HIGHLAND AVE

SCALE: 1"=50' SHEET 9 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	170
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	



NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ③ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- ④ THE CONTRACTOR SHALL REMOVE THE EXISTING COPPER INTERCONNECT AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



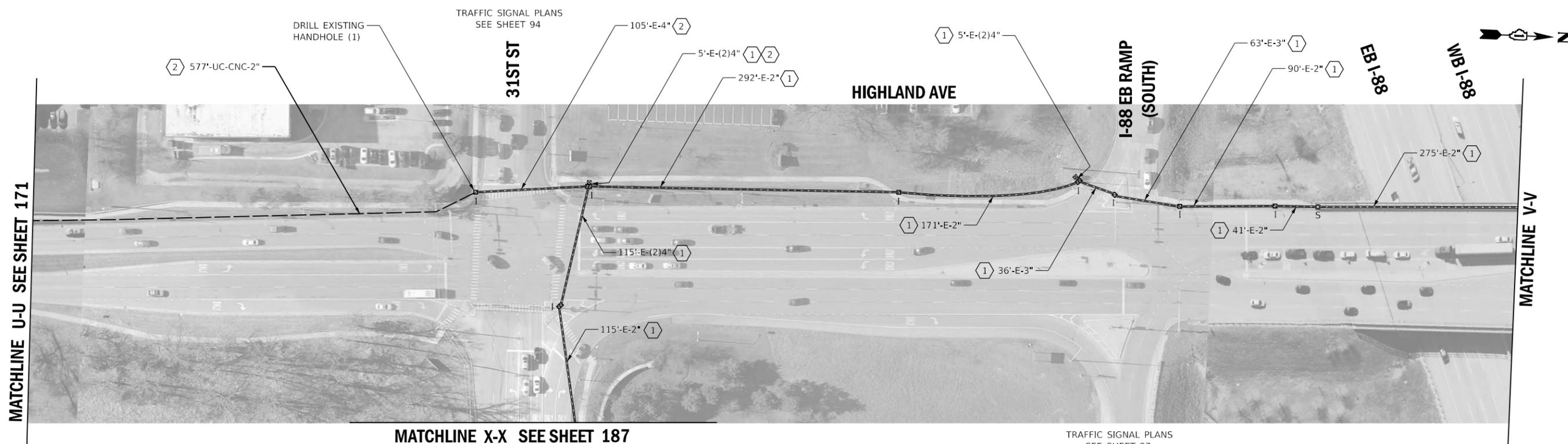
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	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION C - HIGHLAND AVE**

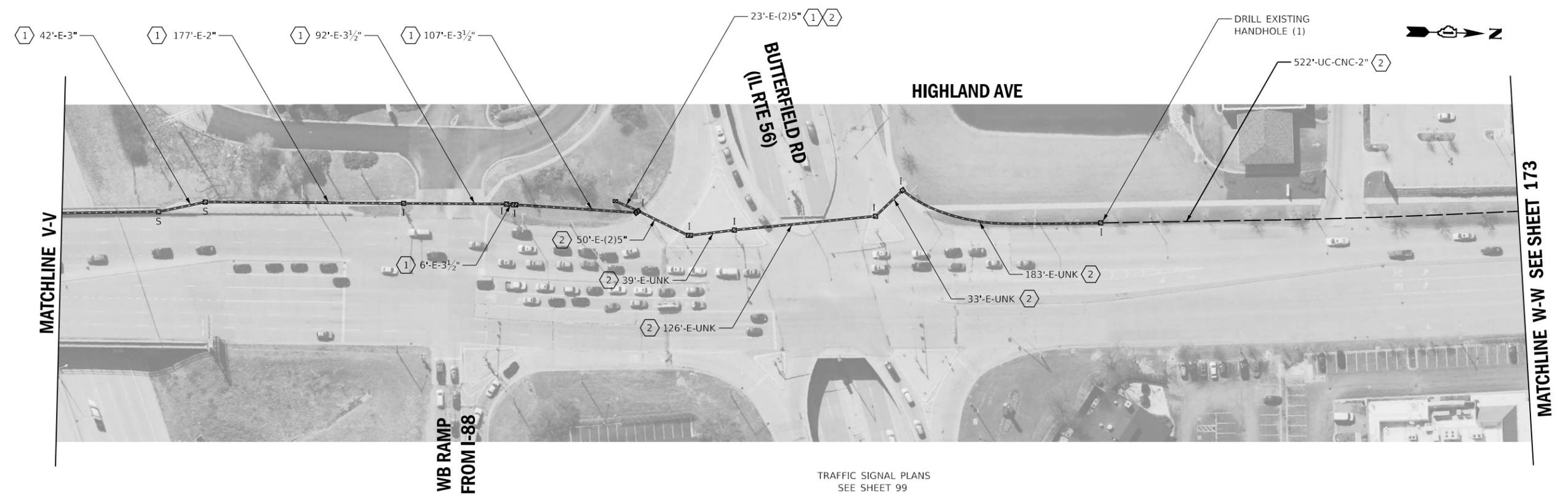
SCALE: 1"=50' SHEET 10 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	171
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	



NOTES:

- (1) THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- (2) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- (3) THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- (4) THE CONTRACTOR SHALL REMOVE THE EXISTING COPPER INTERCONNECT AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- (5) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



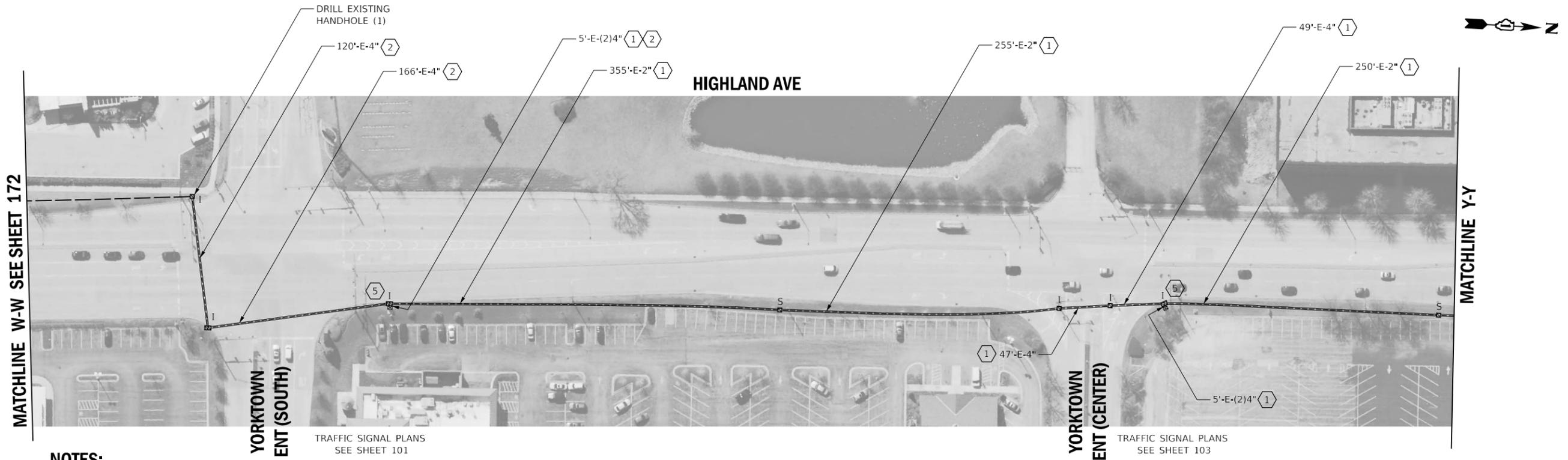
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION C - HIGHLAND AVE**

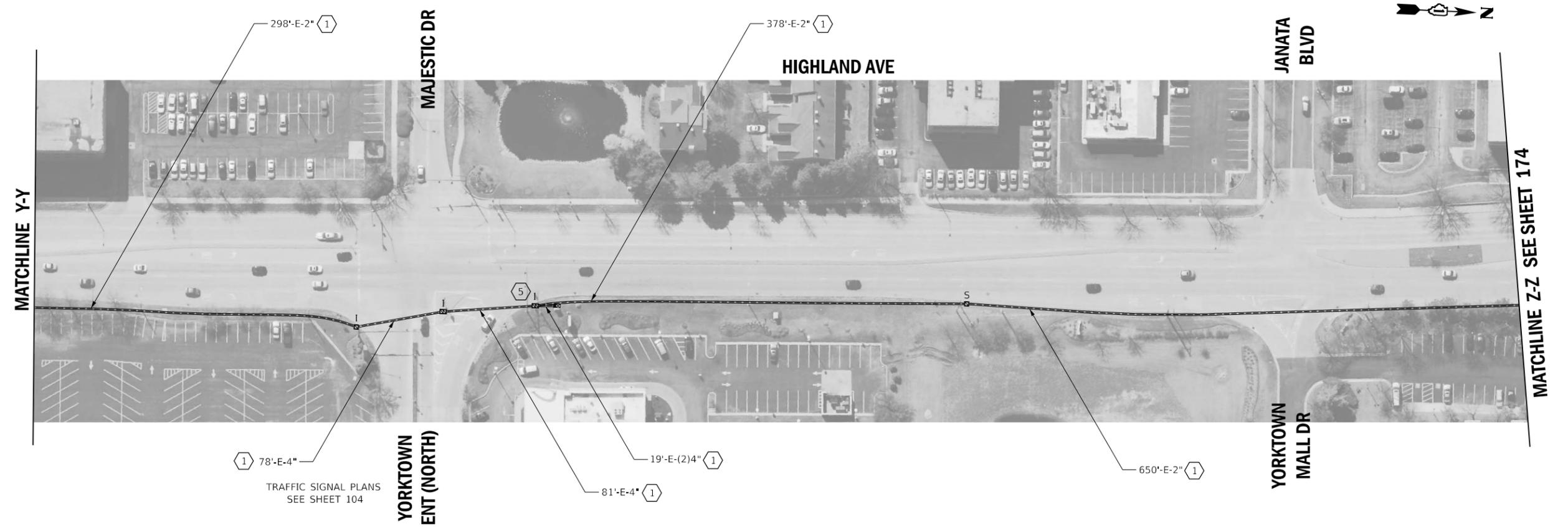
SCALE: 1"=50' SHEET 11 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	172
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	

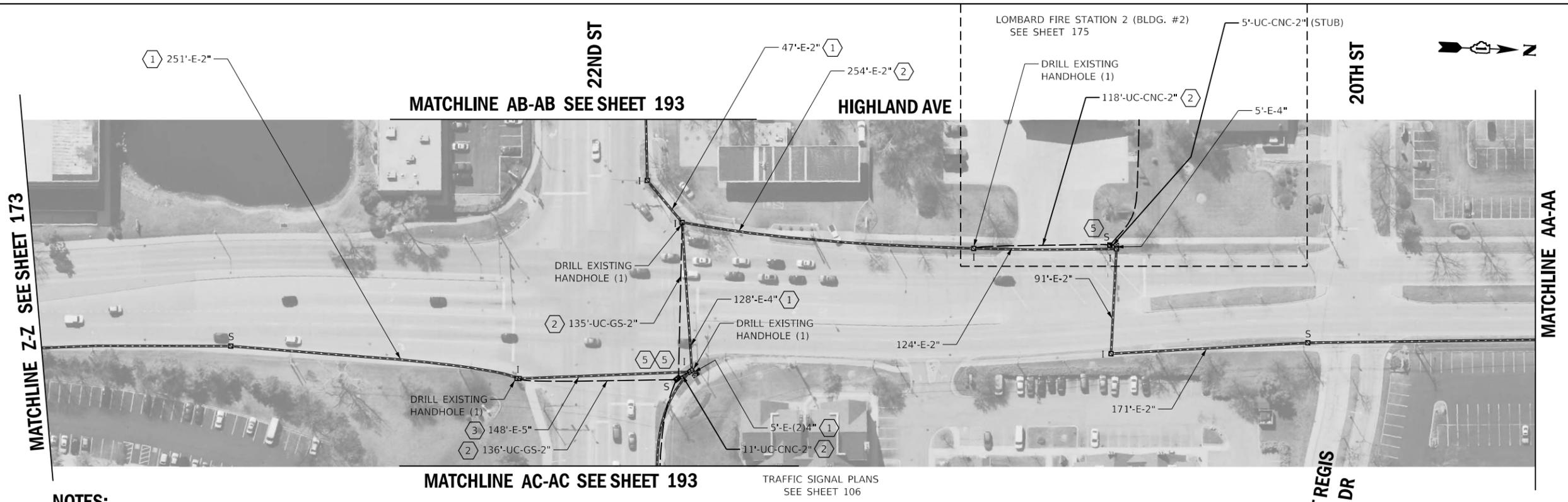


NOTES:

- 1 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- 3 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING COPPER INTERCONNECT AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICING AND WATER TIGHT IN THE EXISTING HANDHOLE.

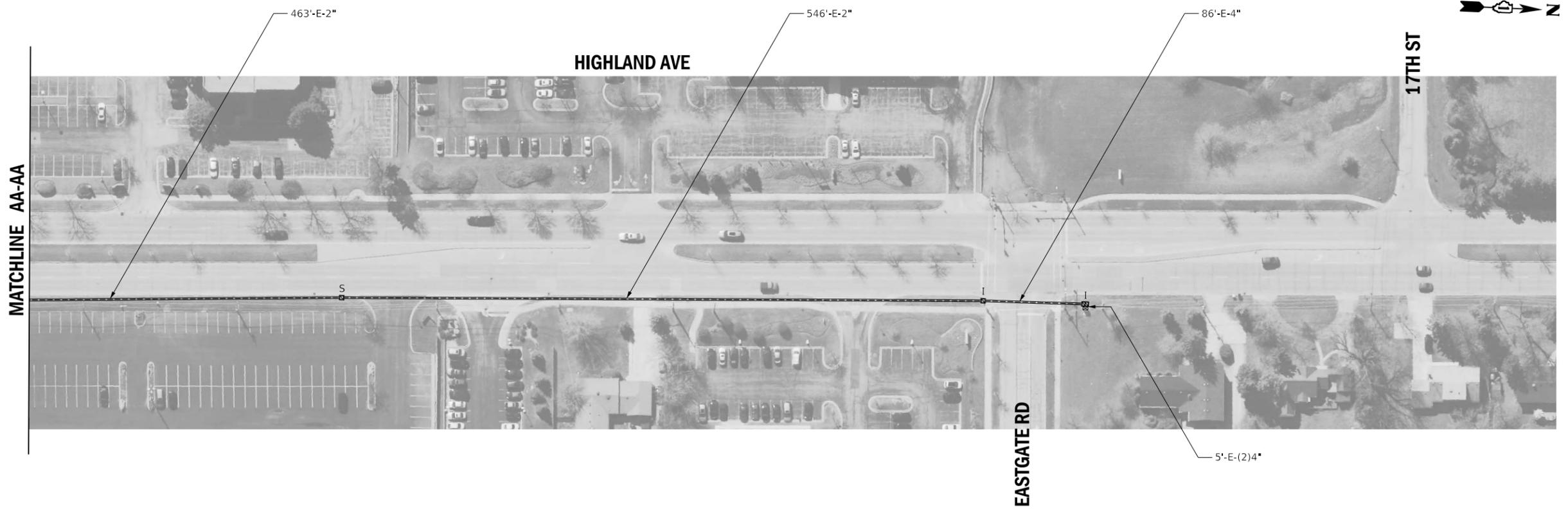


	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN - AREA 4 LOCATION C - HIGHLAND AVE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - RG	CHECKED - ZH	REVISED -		SCALE: 1"=50'	SHEET 12 OF 44 SHEETS	STA. TO STA.	VAR.	19-DCCSS-03-TL	DUPAGE	293
PLOT SCALE = 100,0000' / in.	DATE -	REVISED -					CONTRACT NO. 61H96				
PLOT DATE = 6/13/2022							ILLINOIS FED. AID PROJECT				

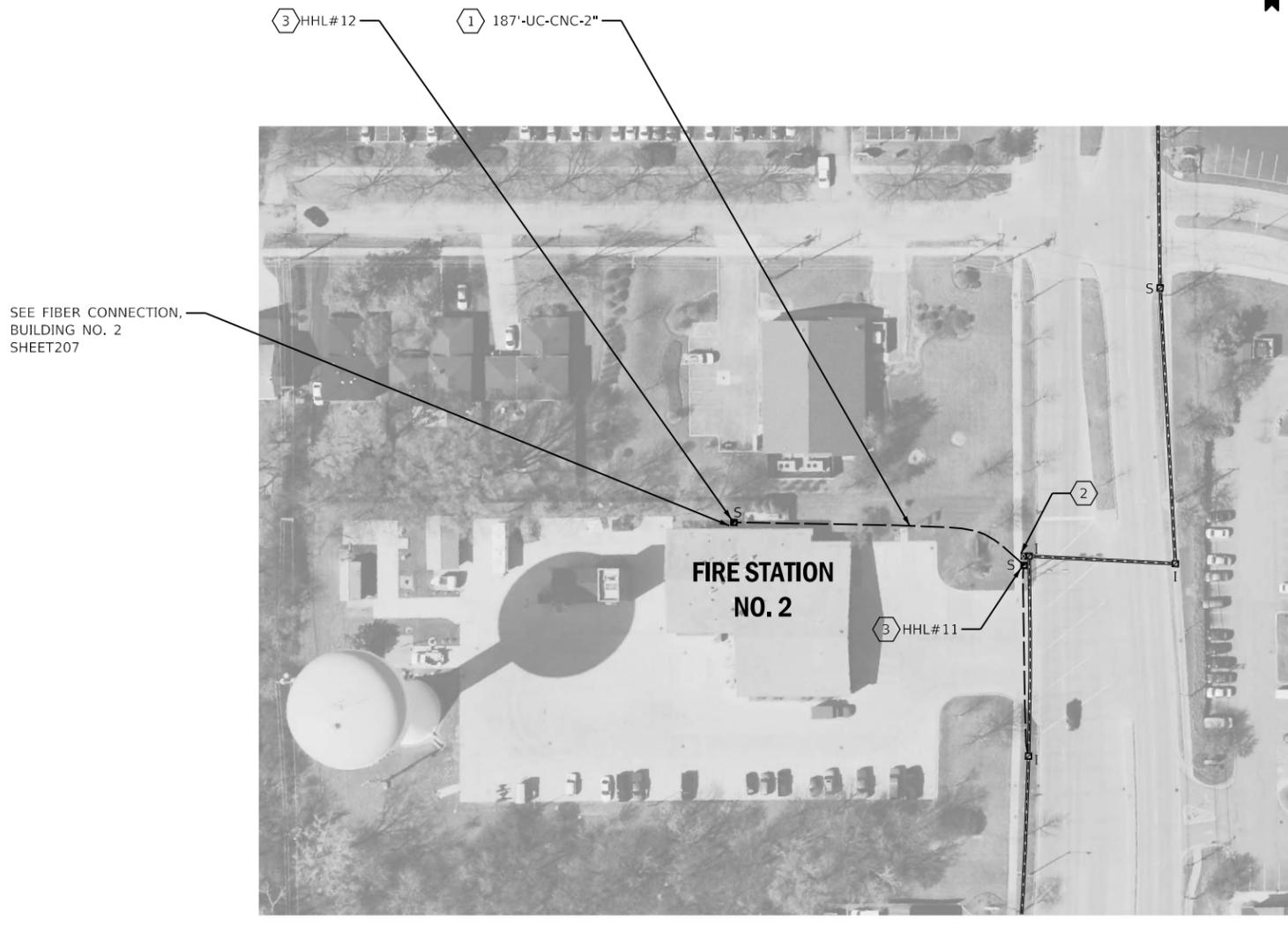


NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ③ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- ④ THE CONTRACTOR SHALL REMOVE THE EXISTING COPPER INTERCONNECT AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN - AREA 4 LOCATION C - HIGHLAND AVE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - RG	CHECKED - ZH	REVISED -		SCALE: 1"=50'	SHEET 13 OF 44 SHEETS	STA. TO STA.	VAR.	19-DCCSS-03-TL	DUPAGE	293
PLOT SCALE = 100,0000' / in.	DATE	REVISED -	REVISED -			CONTRACT NO. 61H96		ILLINOIS FED. AID PROJECT			
PLOT DATE = 7/7/2022											



SEE FIBER CONNECTION,
BUILDING NO. 2
SHEET207

LOMBARD FIRE STATION NO. 2

NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL BYPASS THE CONTROL CABINET AT THIS INTERSECTION.
- ③ VILLAGE OF LOMABRD COMMUNICATION HANDHOLE (HHL#), THE COVER OF THE HANDHOLE FRAME SHALL BE LABELED "LOMBARD COMMS".

	USER NAME = dwiktorzak	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/7/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION C - LOMBARD FIRE STATION NO. 2**

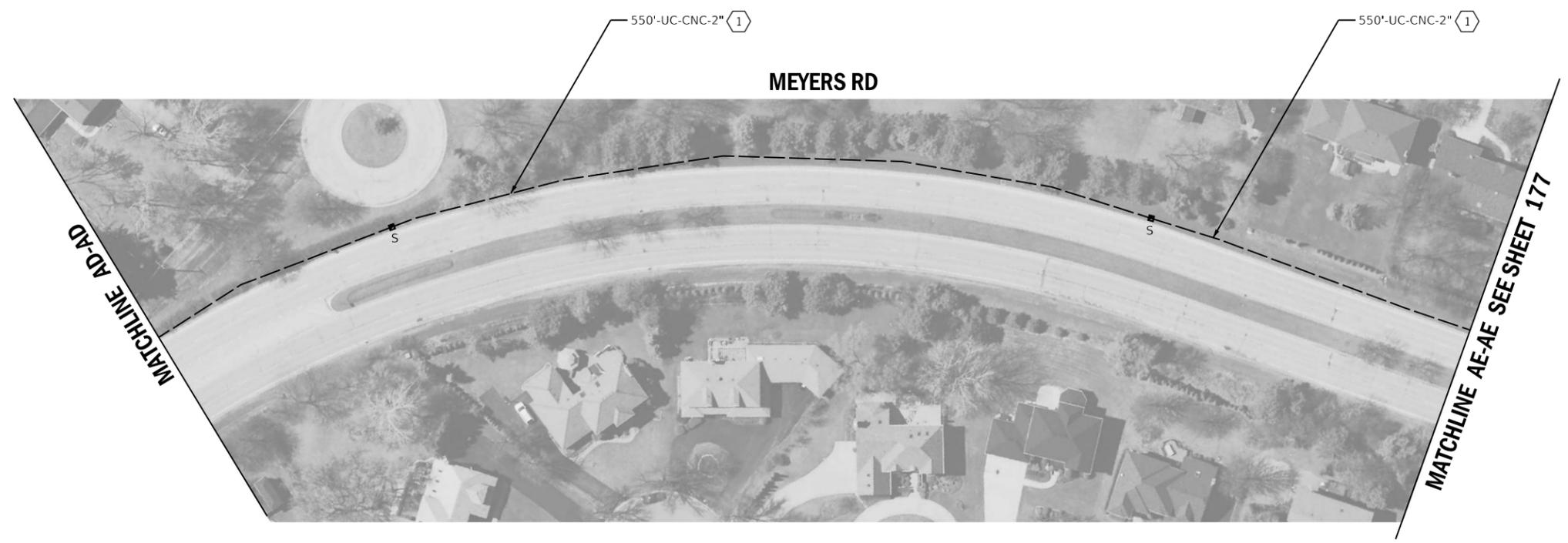
SCALE: SHEET 14 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-04-TL	DUPAGE	293	175
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H96	



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.



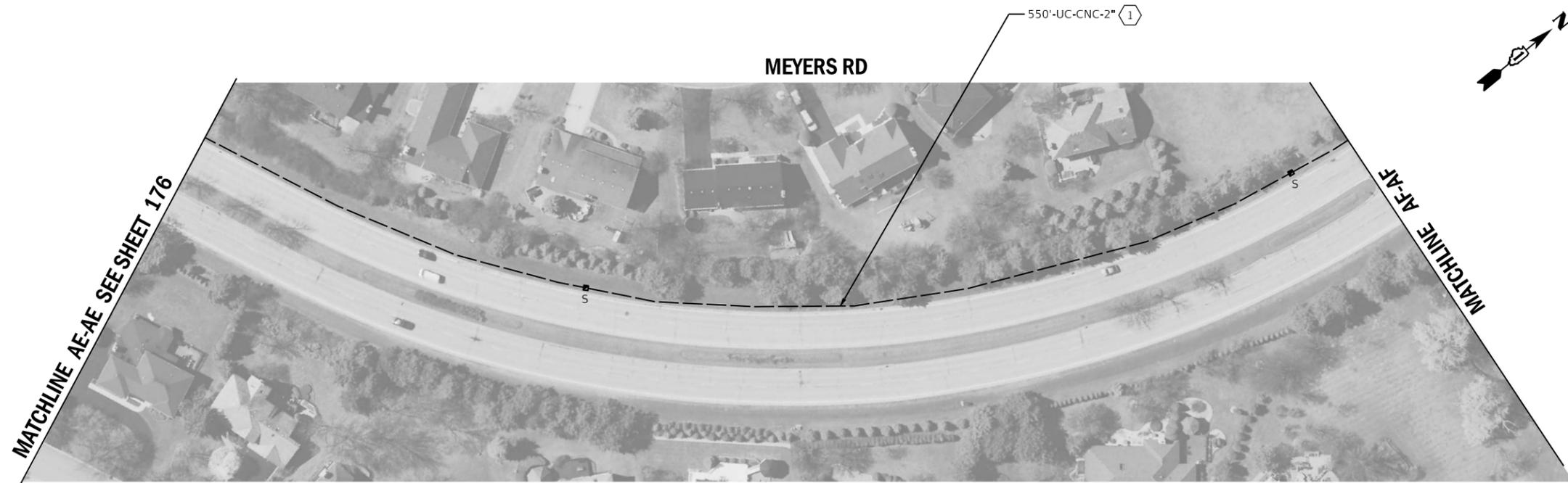
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION D - FAIRVIEW AVE/MEYERS RD

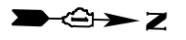
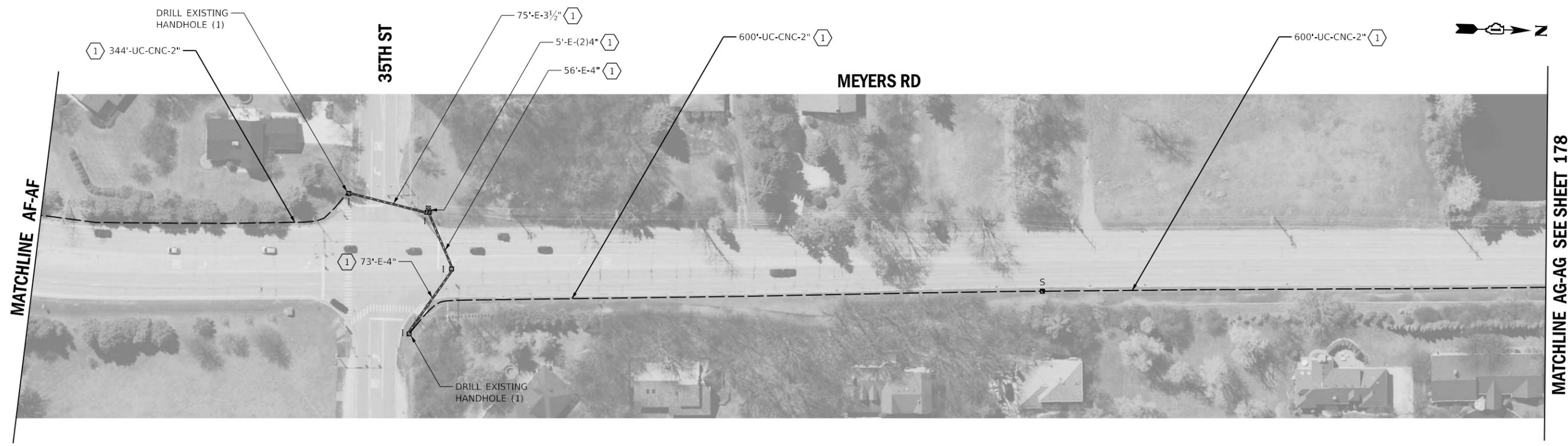
SCALE: 1"=50' SHEET 15 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	176
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.



TRAFFIC SIGNAL PLANS
SEE SHEET 111



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION D - FAIRVIEW AVE/MEYERS RD

SCALE: 1"=50' SHEET 16 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	177
			CONTRACT NO. 61H96	

ILLINOIS FED. AID PROJECT

HERITAGE
OAKS LN

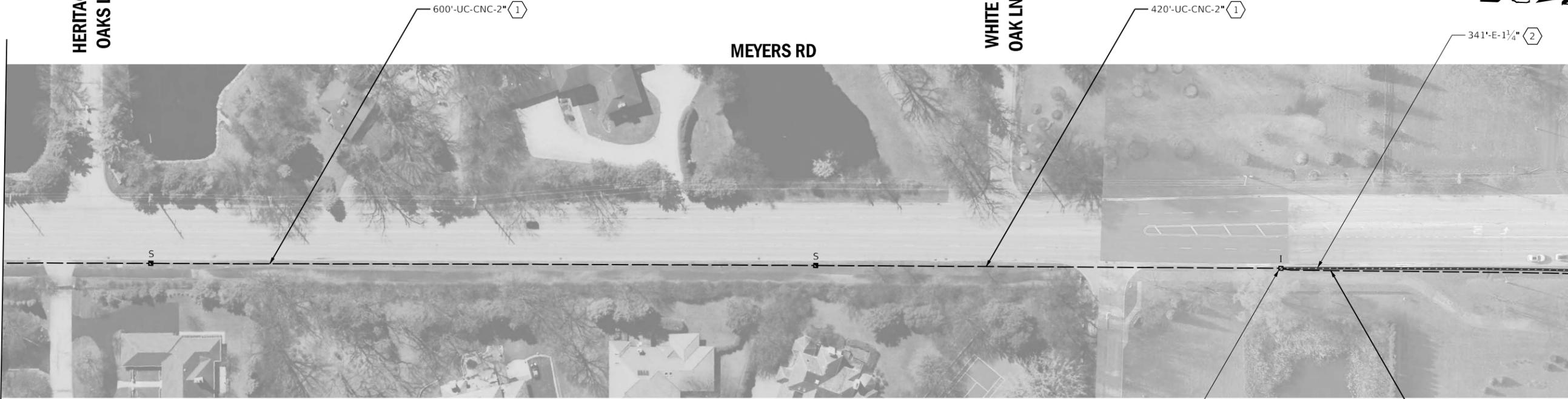
MEYERS RD

WHITE
OAK LN



MATCHLINE AG-AG SEE SHEET 177

MATCHLINE AI-AI SEE SHEET 188



NOTES:

- (1) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- (2) EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.

DRILL EXISTING
HANDHOLE (2)

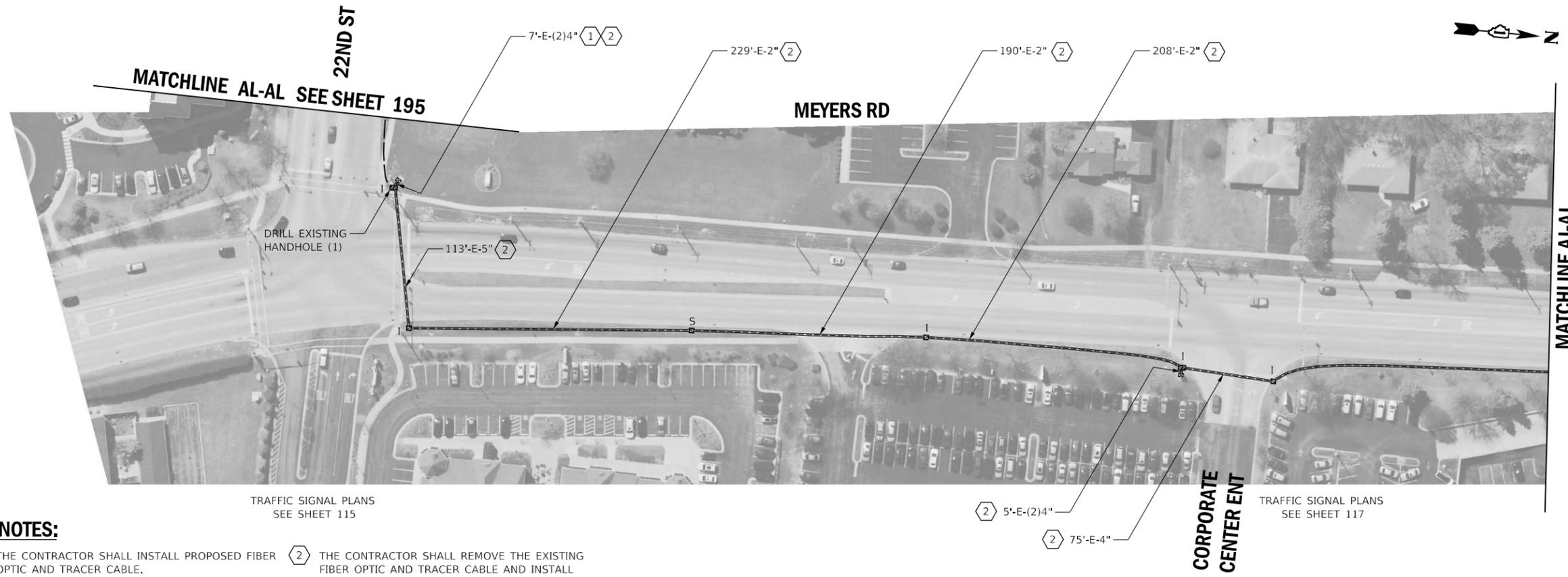
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		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000 ' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 6/13/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION D - FAIRVIEW AVE/MEYERS RD**

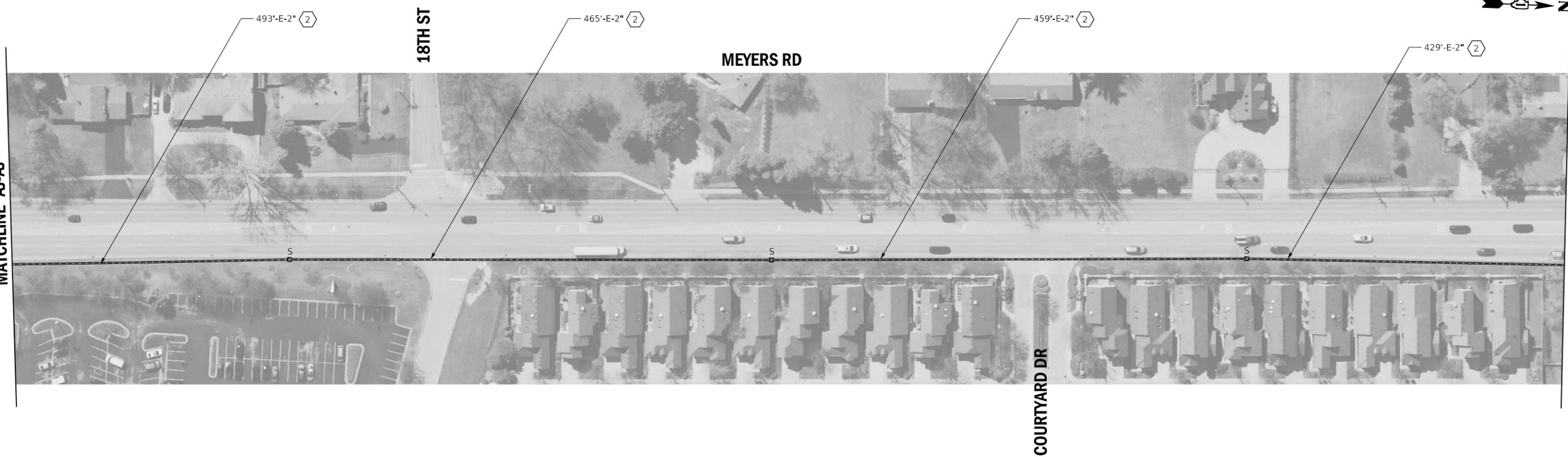
SCALE: 1"=50' SHEET 17 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	178
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.



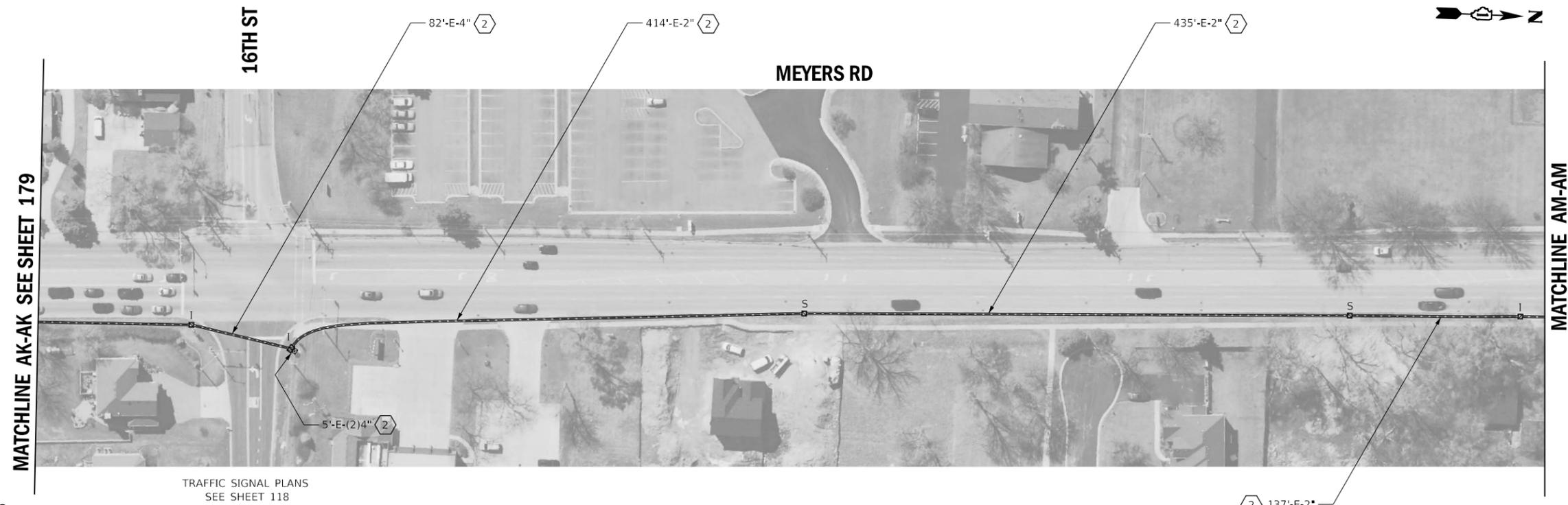
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	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION E - MEYERS RD

SCALE: 1"=50' SHEET 18 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	179
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.



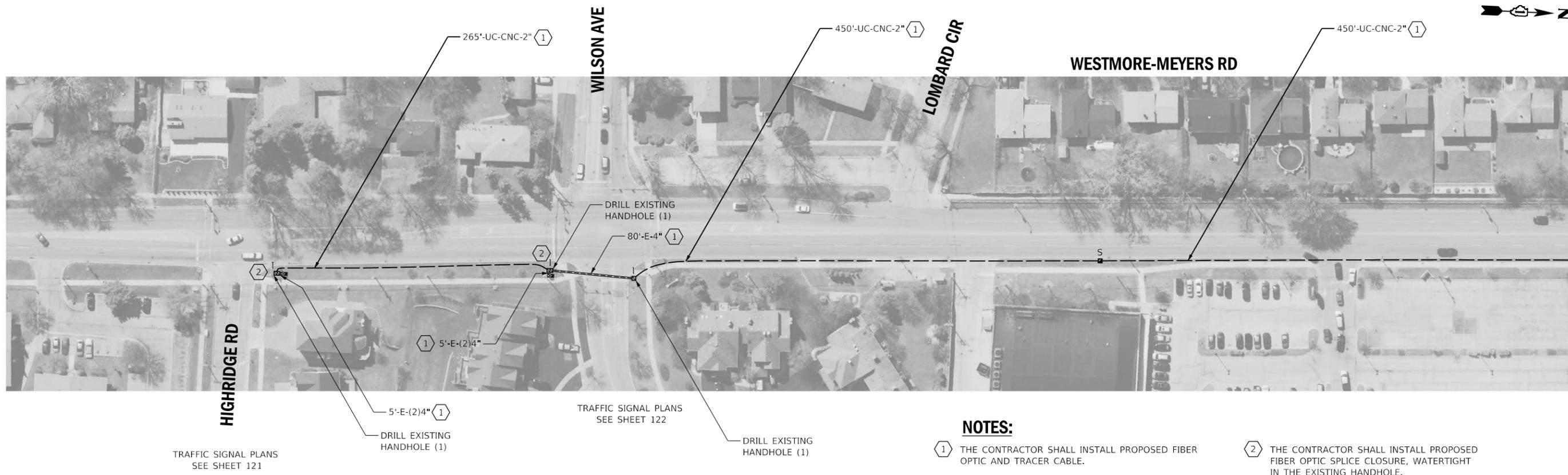
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION E - MEYERS RD

SCALE: 1"=50' SHEET 19 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	180
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL PLANS
SEE SHEET 121

DRILL EXISTING
HANDHOLE (1)

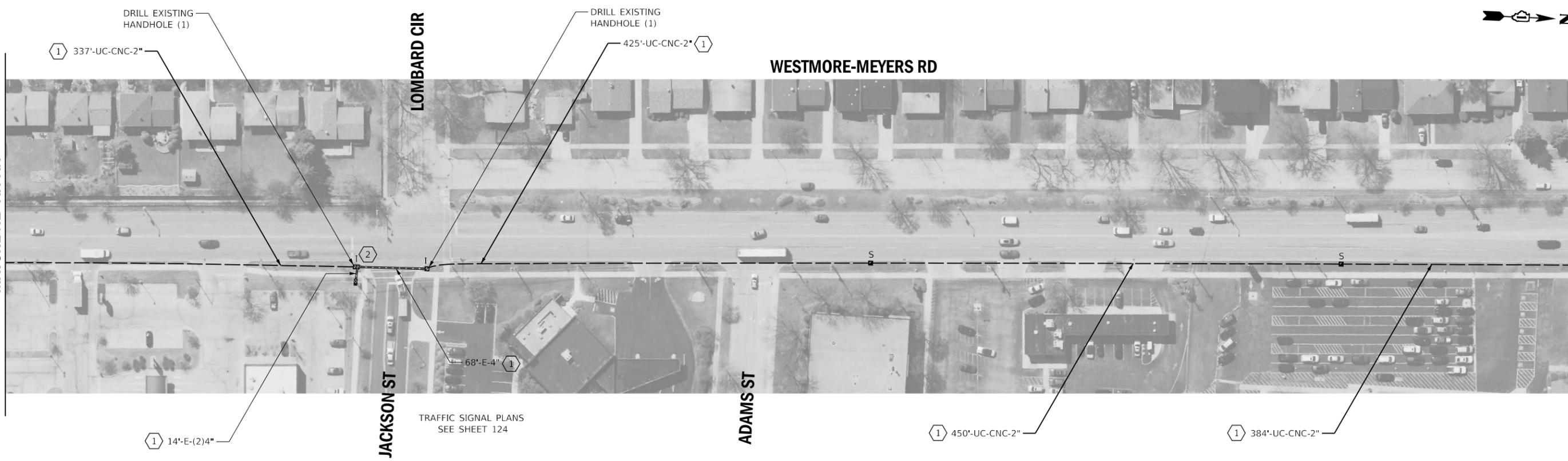
TRAFFIC SIGNAL PLANS
SEE SHEET 122

DRILL EXISTING
HANDHOLE (1)

NOTES:

(1) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.

(2) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



DRILL EXISTING
HANDHOLE (1)

DRILL EXISTING
HANDHOLE (1)

TRAFFIC SIGNAL PLANS
SEE SHEET 124

(1) 450'-UC-CNC-2"

(1) 384'-UC-CNC-2"



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION F - WESTMORE-MEYERS RD

SCALE: 1"=50' SHEET 20 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	181
CONTRACT NO. 61H96				
ILLINOIS		FED. AID PROJECT		



- NOTES:**
- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
 - ② THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION F - WESTMORE-MEYERS RD

SCALE: 1"=50' SHEET 21 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	182
CONTRACT NO. 61H96				

ILLINOIS FED. AID PROJECT

MATCHLINE AQ-AQ SEE SHEET 182

MATCHLINE AR-AR



NOTES:

① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.

② THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.

TRAFFIC SIGNAL PLANS
SEE SHEET 128

MATCHLINE AR-AR



TRAFFIC SIGNAL PLANS
SEE SHEET 130

EX. INTERCONNECT
TO ADDISON RD



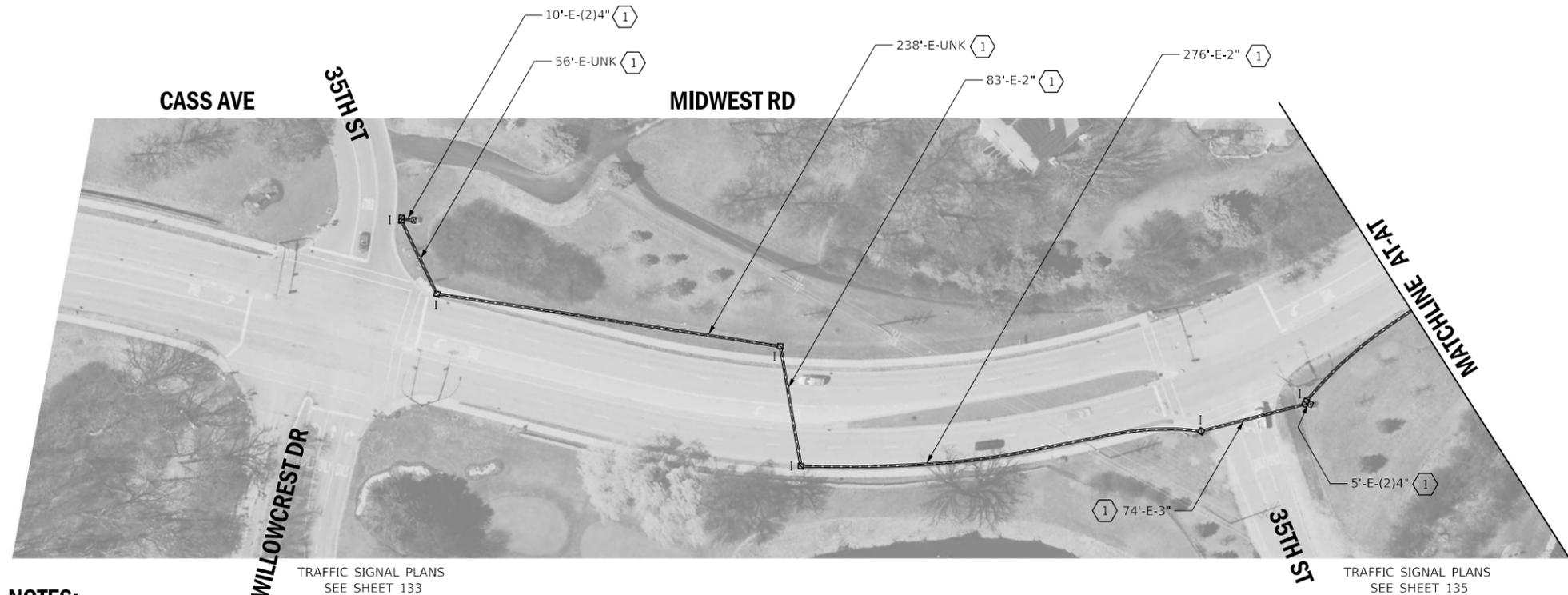
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	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION F - WESTMORE-MEYERS RD

SCALE: 1"=50' SHEET 22 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	183
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	



NOTES:

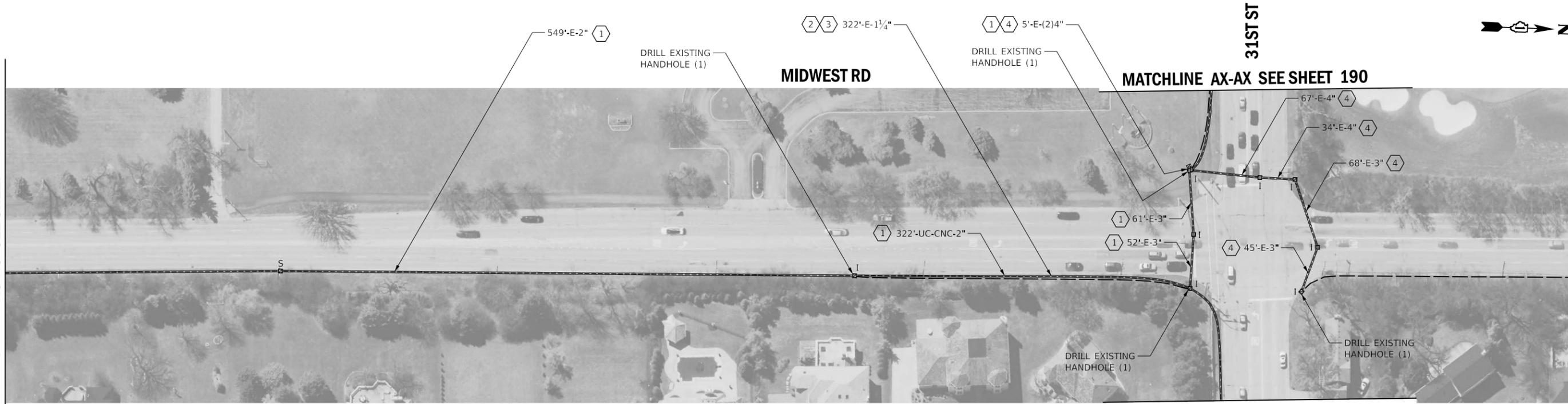
- (1) THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- (2) EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- (3) THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- (4) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.



	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN - AREA 4 LOCATION G - MIDWEST RD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -				VAR.	19-DCCSS-03-TL	DUPAGE	293	184
	PLOT DATE = 6/13/2022	DATE -	REVISED -		SCALE: 1"=50'	SHEET 23 OF 44 SHEETS	STA.	TO STA.	CONTRACT NO. 61H96		
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MATCHLINE AU-AU SEE SHEET 184

MATCHLINE AV-AV



NOTES:

- 1 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
 - 2 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
 - 3 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
 - 4 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- TRAFFIC SIGNAL PLANS
SEE SHEET 141

MATCHLINE AV-AV

MATCHLINE AW-AW SEE SHEET 186



	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN - AREA 4 LOCATION G - MIDWEST RD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - RG	CHECKED - ZH	REVISED -		VAR.	19-DCCSS-03-TL	DUPAGE	293	185				
PLOT SCALE = 100,0000' / in.	DATE -	REVISED -	SCALE: 1"=50'			SHEET 24	OF 44 SHEETS	STA.	TO STA.	CONTRACT NO. 61H96			
PLOT DATE = 6/13/2022	REVISED -	REVISED -	ILLINOIS FED. AID PROJECT										

MATCHLINE AW-AW SEE SHEET 185

MOCKINGBIRD LN

MIDWEST RD

MATCHLINE AZ-AZ

KIMBERLY LN

575'-UC-CNC-2" ④

575'-UC-CNC-2" ④

575'-UC-CNC-2" ④

NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ③ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- ④ THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.

MATCHLINE AZ-AZ

581'-UC-CNC-2" ④

MIDWEST RD

BAYBROOK LN

TRAFFIC SIGNAL PLANS
SEE SHEET 137

I-88

DRILL EXISTING
HANDHOLE (1)

④ 115'-E-4"

④ 111'-E-5" &
111'-E-2"

④ 5'-E-(2)5"

238'-E-2"

EX. INTERCONNECT
TO 22ND ST



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION G - MIDWEST RD

SCALE: 1"=50' SHEET 25 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	186
CONTRACT NO. 61H96				
ILLINOIS FED. AID PROJECT				

MATCHLINE X-X SEE SHEET 172



MATCHLINE BA-BA

TRAFFIC SIGNAL PLANS
SEE SHEET 139

NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.

MATCHLINE BA-BA



MATCHLINE BB-BB SEE SHEET 188



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

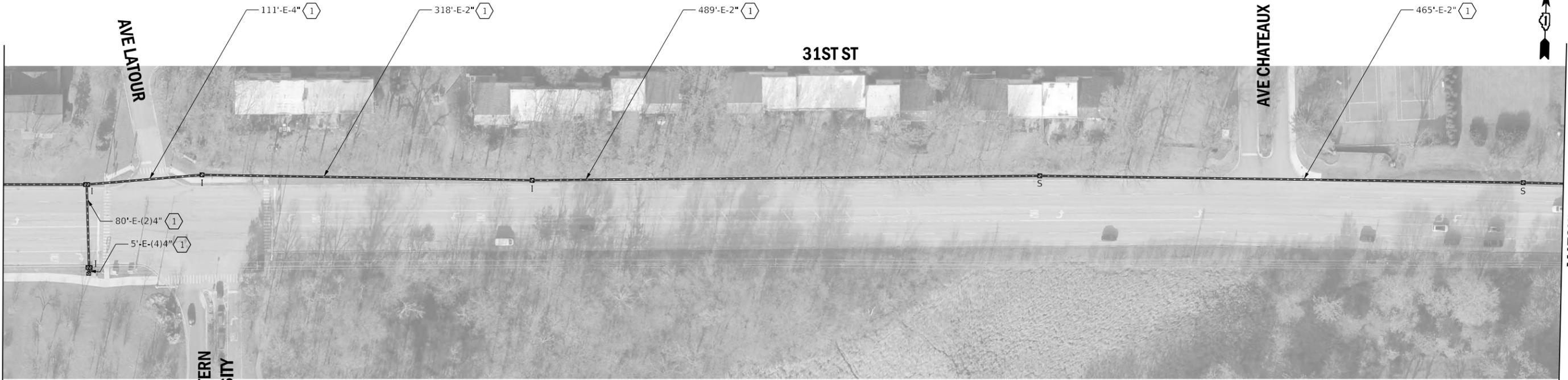
PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION H - 31ST ST

SCALE: 1"=50' SHEET 26 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	187
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				

FILE NAME = X:\Projects\2021\2182\217400 DuPage DOT Central\CADD_Sheets\sh-Int-A4-H-31st.dgn Default

MATCHLINE BB-BB SEE SHEET 187



TRAFFIC SIGNAL PLANS
SEE SHEET 140

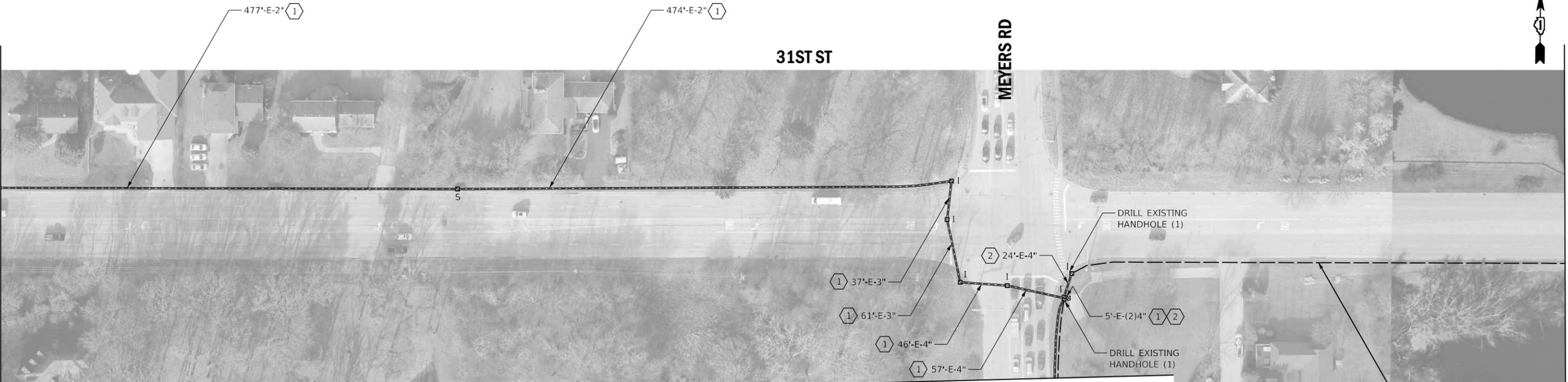
MIDWESTERN
UNIVERSITY

NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.

MATCHLINE BC-BC

MATCHLINE BC-BC



MATCHLINE AI-AI SEE SHEET 178

TRAFFIC SIGNAL PLANS
SEE SHEET 112

MATCHLINE BD-BD SEE SHEET 189



USER NAME	= rgeorgescu
PLOT SCALE	= 100,0000 ' / in.
PLOT DATE	= 6/13/2022

DESIGNED	- DW
DRAWN	- RG
CHECKED	- ZH
DATE	-

REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION H - 31ST ST

SCALE: 1"=50' SHEET 27 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	188
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				

MATCHLINE BD-BD SEE SHEET 188

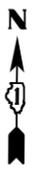
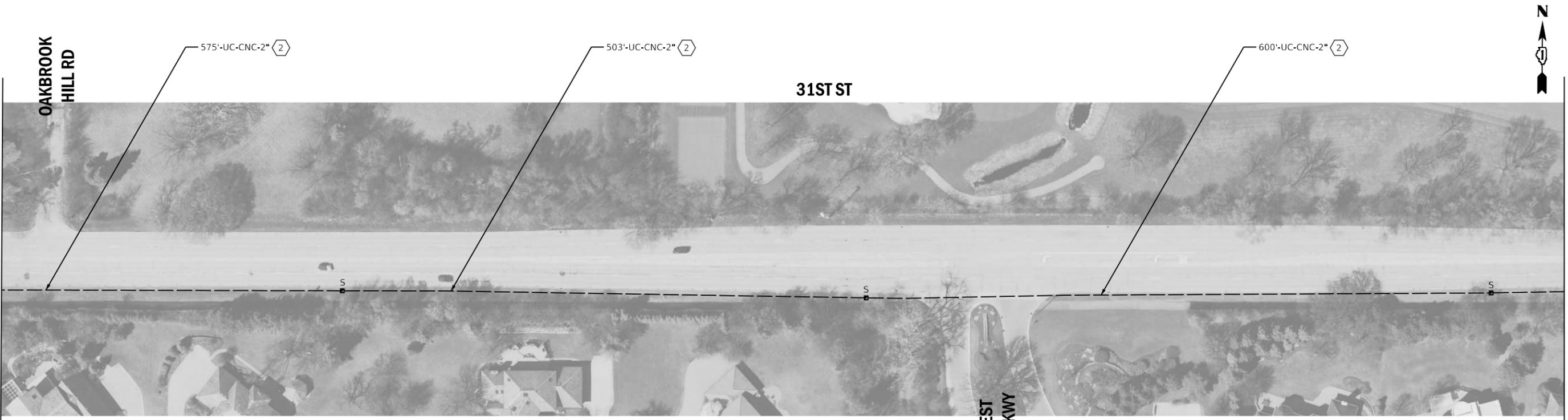


MATCHLINE BE-BE

NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.

MATCHLINE BE-BE



MATCHLINE BF-BF SEE SHEET 190



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

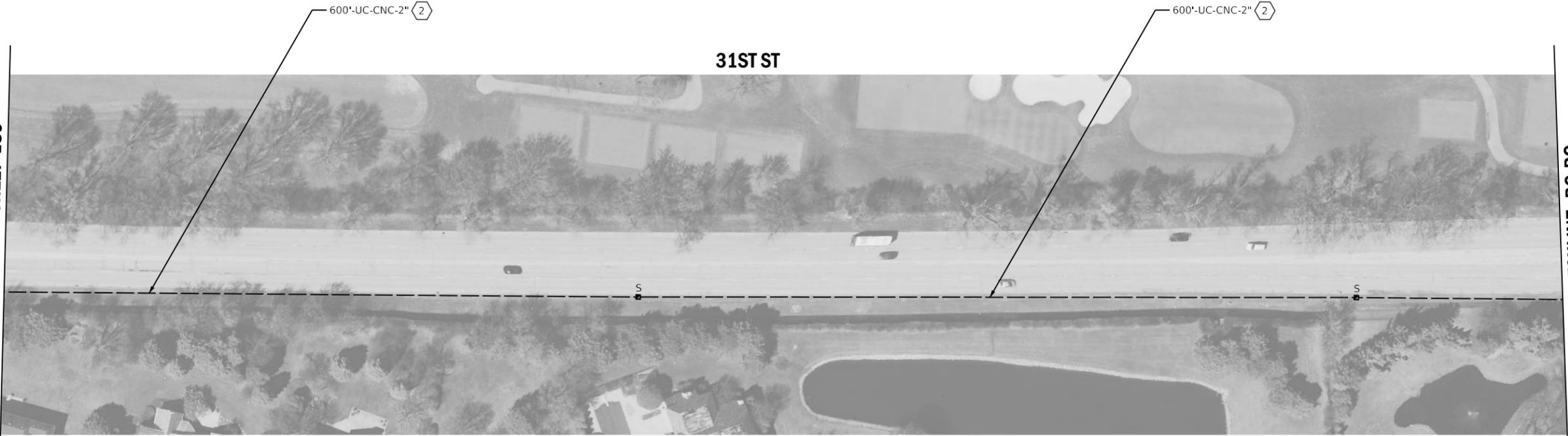
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION H - 31ST ST

SCALE: 1"=50' SHEET 28 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	189
CONTRACT NO. 61H96				
ILLINOIS FED. AID PROJECT				

MATCHLINE BF-BF SEE SHEET 189



MATCHLINE BG-BG



NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.

MATCHLINE BG-BG



MATCHLINE AX-AX SEE SHEET 185



MATCHLINE AY-AY SEE SHEET 185



MATCHLINE BH-BH SEE SHEET 191



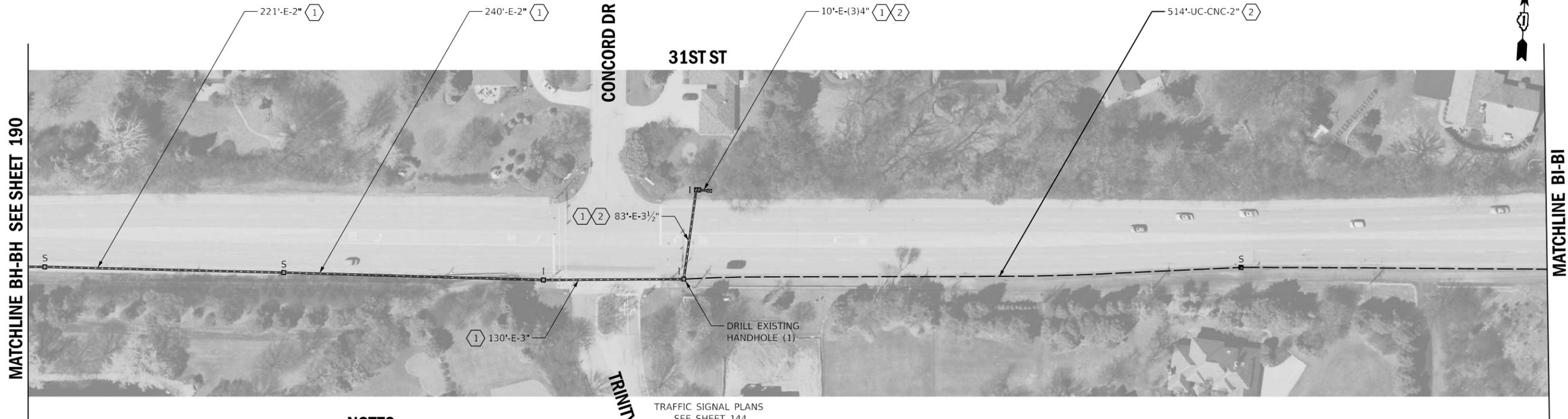
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION H - 31ST ST

SCALE: 1"=50' SHEET 29 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	190
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



MATCHLINE BH-BH SEE SHEET 190

MATCHLINE BI-BI



NOTES:

- (1) THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- (2) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- (3) EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.

TRAFFIC SIGNAL PLANS
SEE SHEET 144

TRINITY LN

CONCORD DR

31ST ST

MATCHLINE BI-BI



TRAFFIC SIGNAL PLANS
SEE SHEET 145

DRILL EXISTING
HANDHOLE (1)

EX. INTERCONNECT
TO IL RTE 83



REGENT DR

31ST ST

ST PASCHAL DR



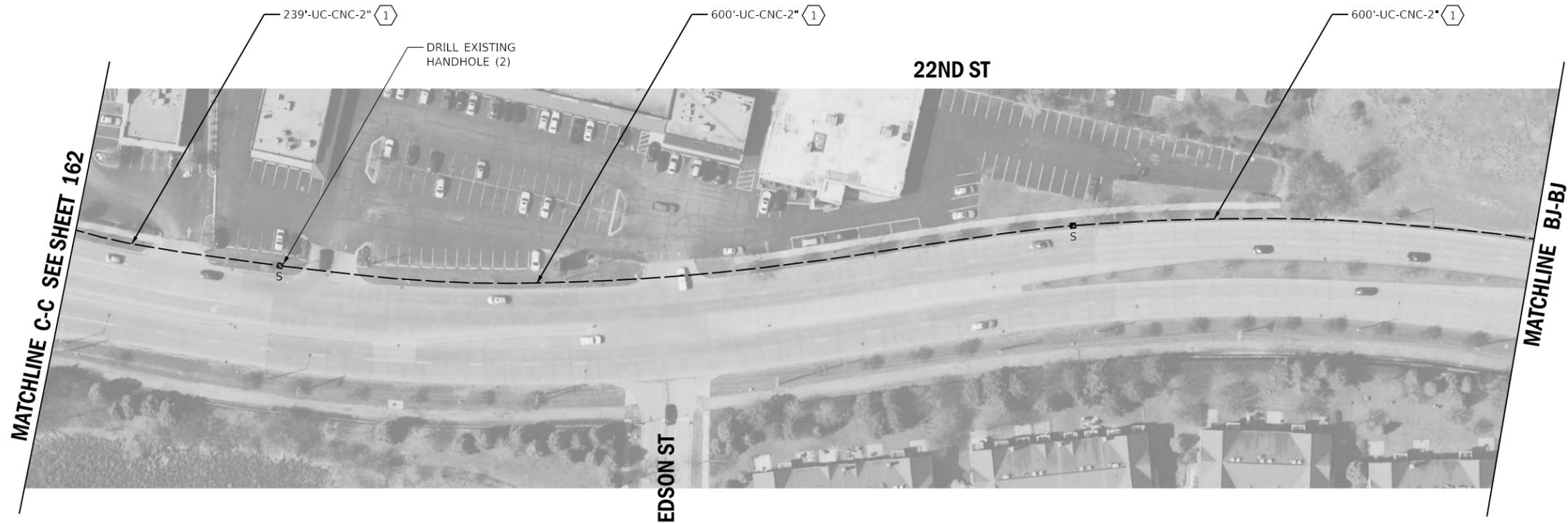
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PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION H - 31ST ST

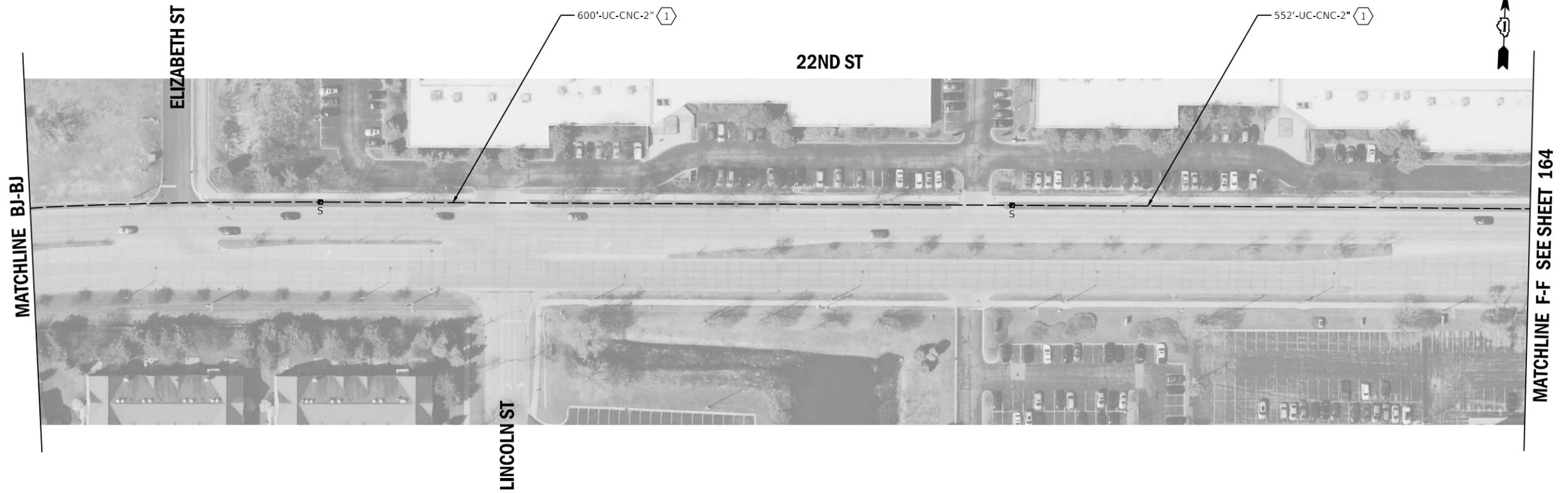
SCALE: 1"=50' SHEET 30 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	191
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



NOTES:

- (1) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- (2) EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- (3) THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- (4) THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- (5) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



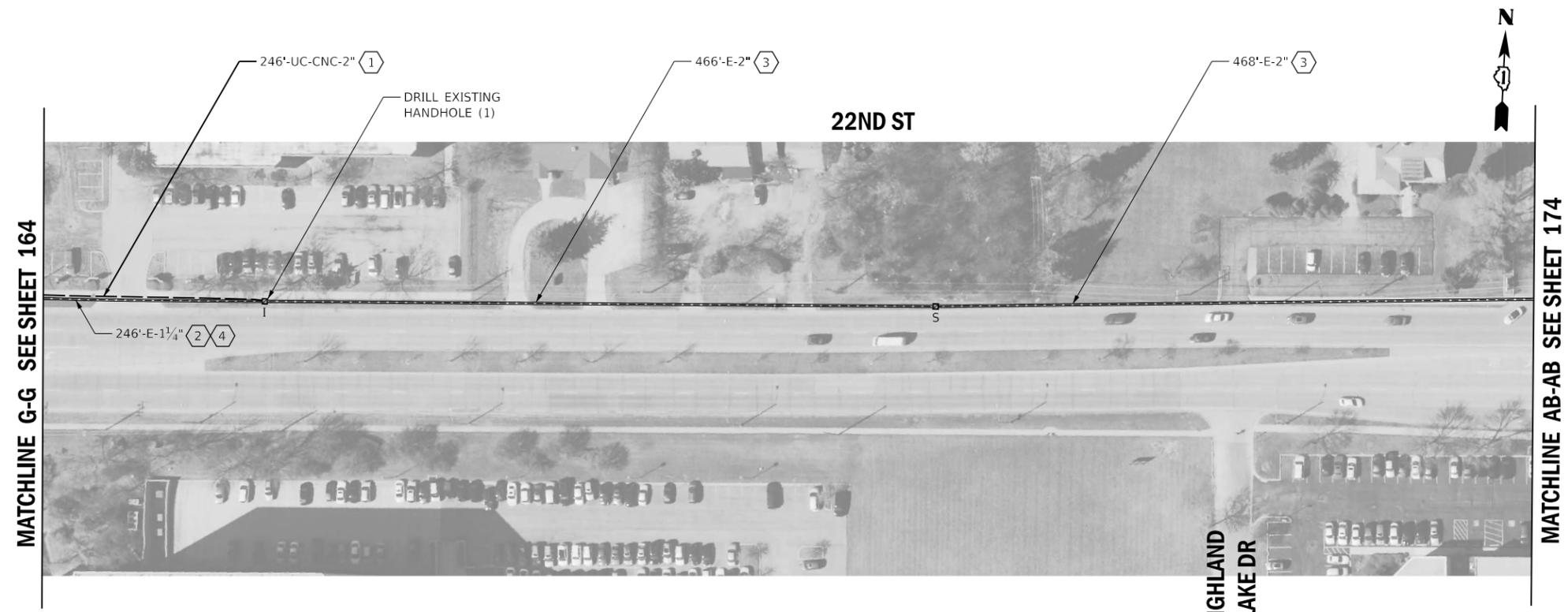
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION I - 22ND ST**

SCALE: 1"=50' SHEET 31 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	192
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



NOTES:

- (1) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- (2) EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- (3) THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- (4) THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- (5) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



TRAFFIC SIGNAL PLANS
SEE SHEET 146



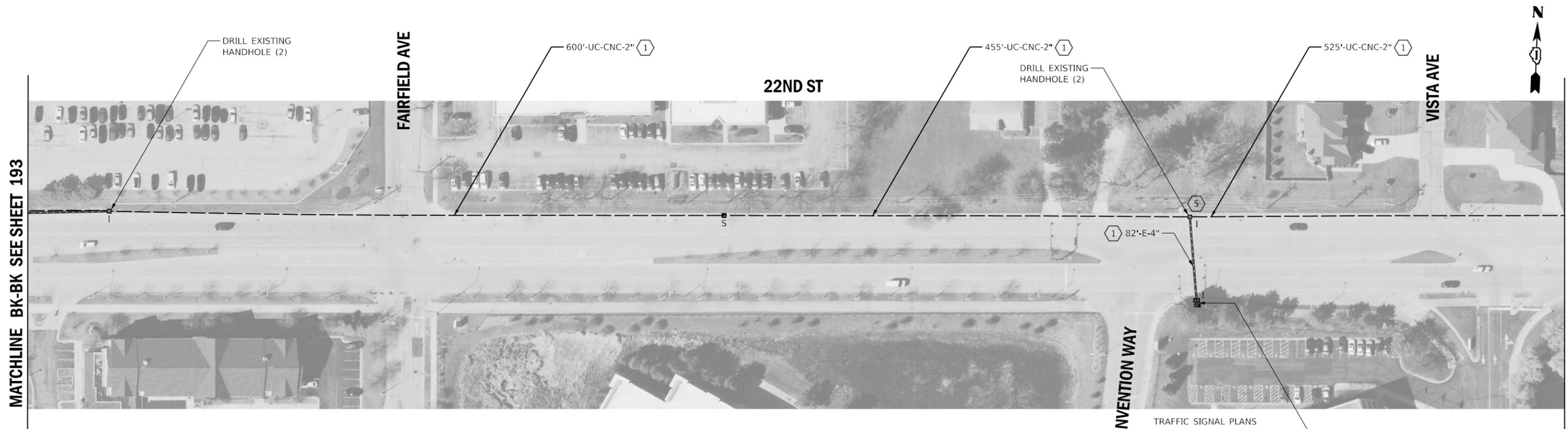
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION I - 22ND ST

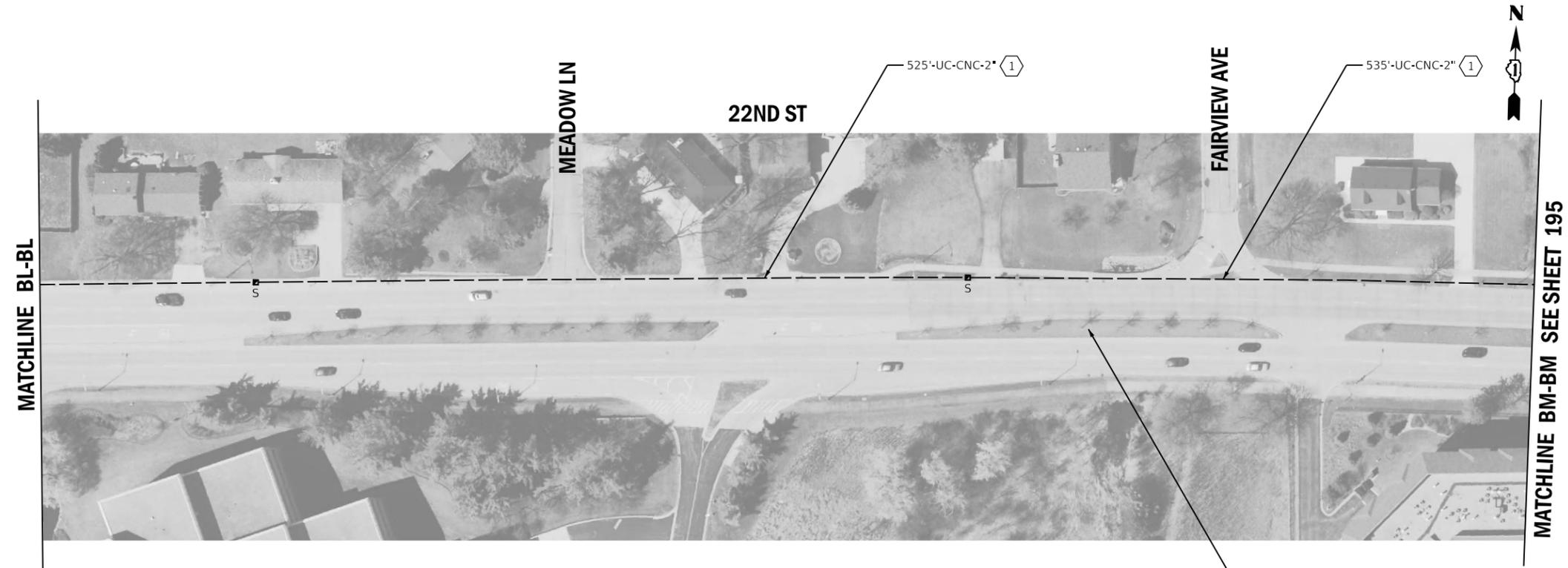
SCALE: 1"=50' SHEET 32 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	193
CONTRACT NO.			61H96	
ILLINOIS FED. AID PROJECT				



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ③ THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



3 SHALLOW CROSS ROAD CULVERTS. THE UNDERGROUND CONDUIT SHALL BE BORED BENEATH THESE CULVERTS.



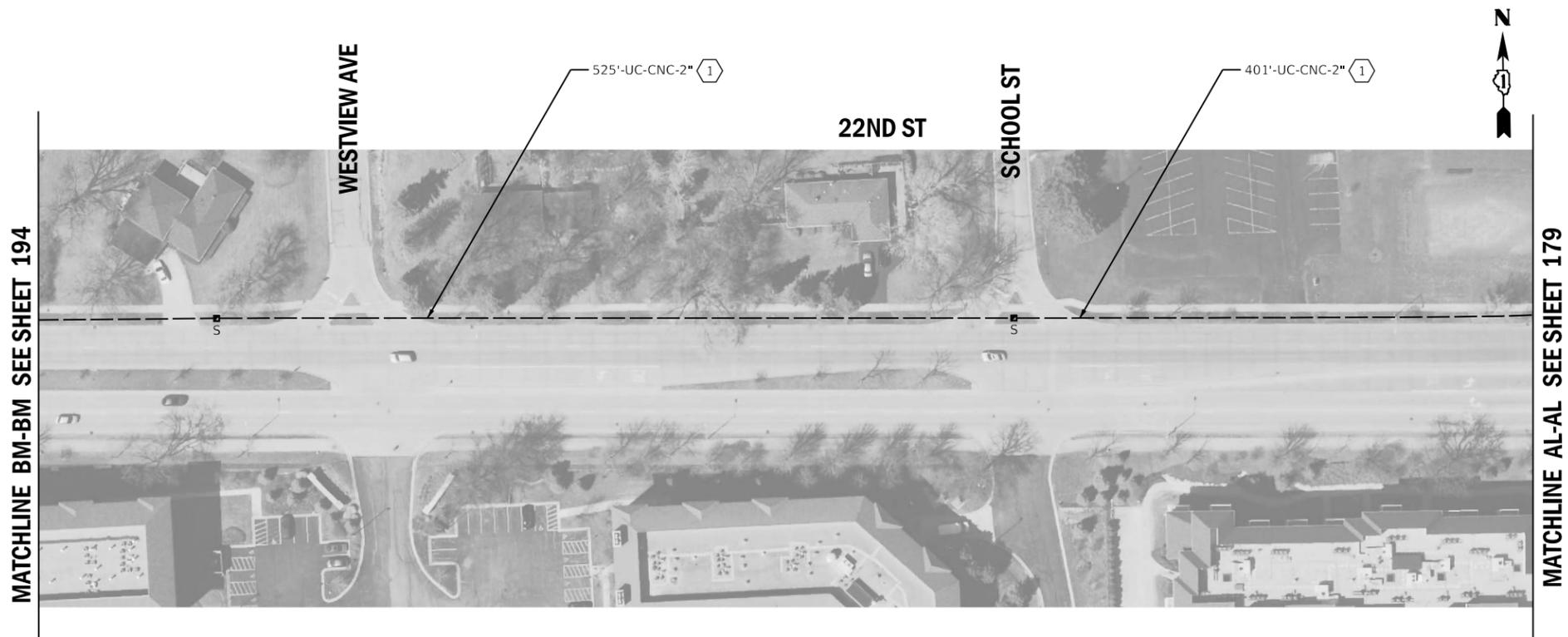
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PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION I - 22ND ST

SCALE: 1"=50' SHEET 33 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	194
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				



MATCHLINE BM-BM SEE SHEET 194

MATCHLINE AL-AL SEE SHEET 179

NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ③ THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC AND TRACER CABLE.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 6/13/2022	DATE -	REVISED -

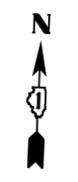
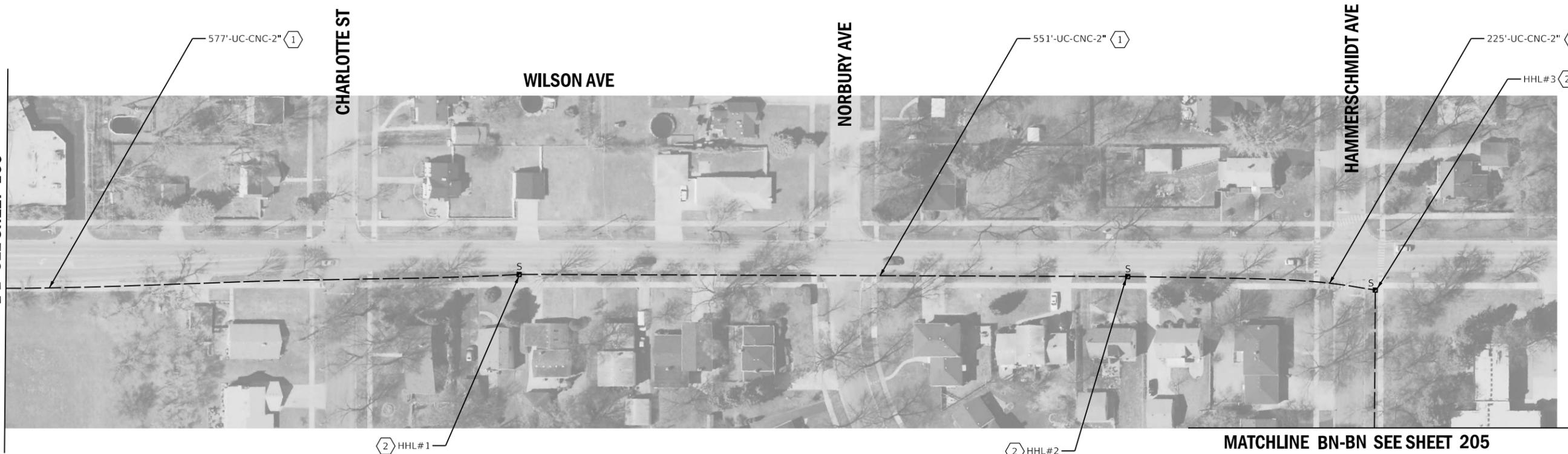
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION I - 22ND ST**

SCALE: 1"=50' SHEET 34 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	195
			CONTRACT NO. 61H96	
		ILLINOIS	FED. AID PROJECT	

MATCHLINE L-L SEE SHEET 166



NOTES:

1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.

2 VILLAGE OF LOMABRD COMMUNICATION HANDHOLE (HHL#.), THE COVER OF THE HANDHOLE FRAME SHALL BE LABELED "LOMBARD COMMS".

MATCHLINE BN-BN SEE SHEET 205

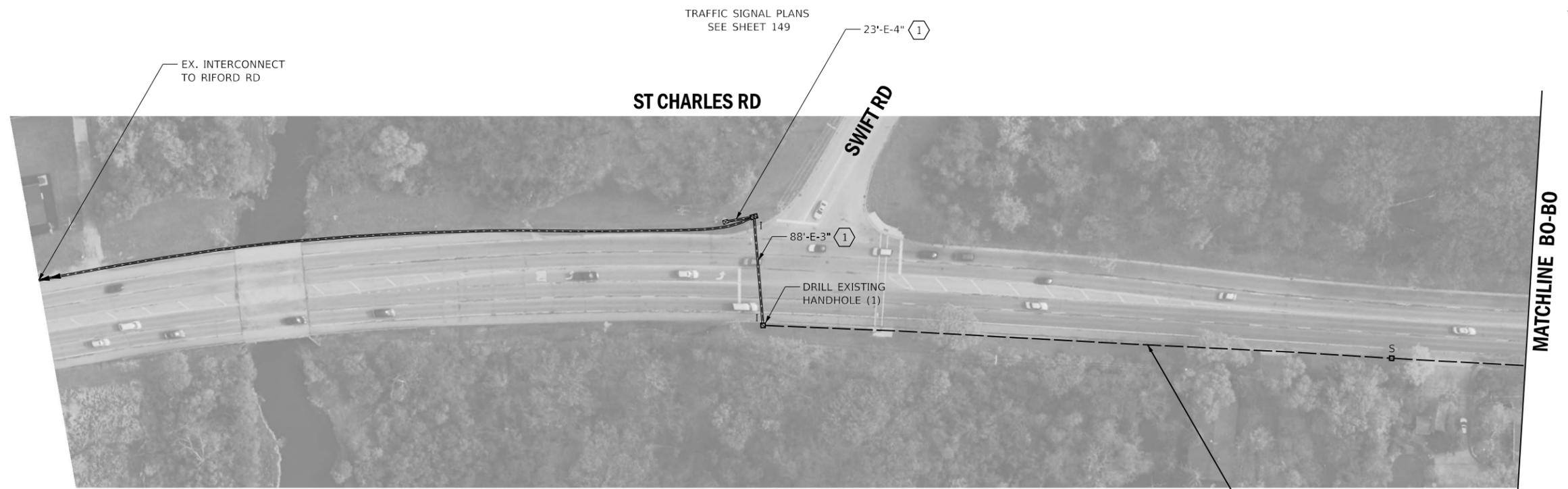
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		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000 ' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION J - WILSON AVE

SCALE: 1"=50' SHEET 35 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	196
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H96	



NOTES:

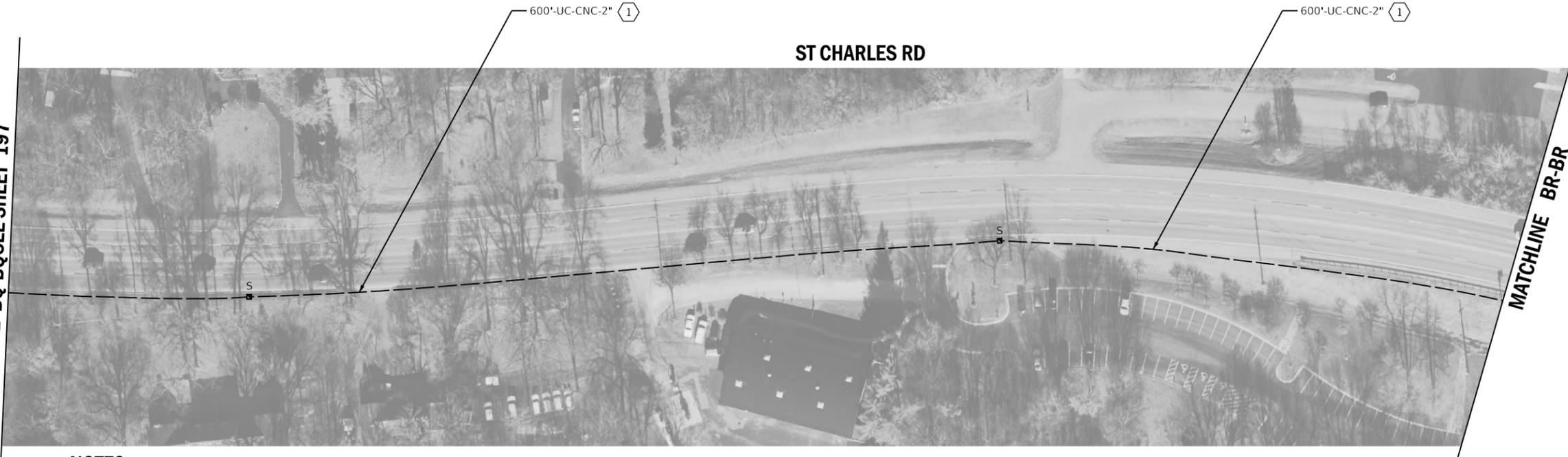
- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- 2 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 3 THE CONTRACTOR SHALL BYPASS THE CONTROL CABINET AT THIS INTERSECTION. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION HAS BEEN INCLUDED IF EXISTING TRAFFIC SIGNAL HANDHOLES OR CONDUIT ARE USED IN INTERCONNECT ROUTING.
- 4 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN - AREA 4 LOCATION K - ST CHARLES RD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - RG	CHECKED - ZH	REVISED -		VAR.	19-DCCSS-03-TL	DUPAGE	293	197			
	PLOT SCALE = 100,0000' / in.	DATE -	REVISED -		CONTRACT NO. 61H96			ILLINOIS FED. AID PROJECT				
PLOT DATE = 6/13/2022	DATE -	REVISED -	SCALE: 1"=50'	SHEET 36	OF 44 SHEETS	STA.	TO STA.					

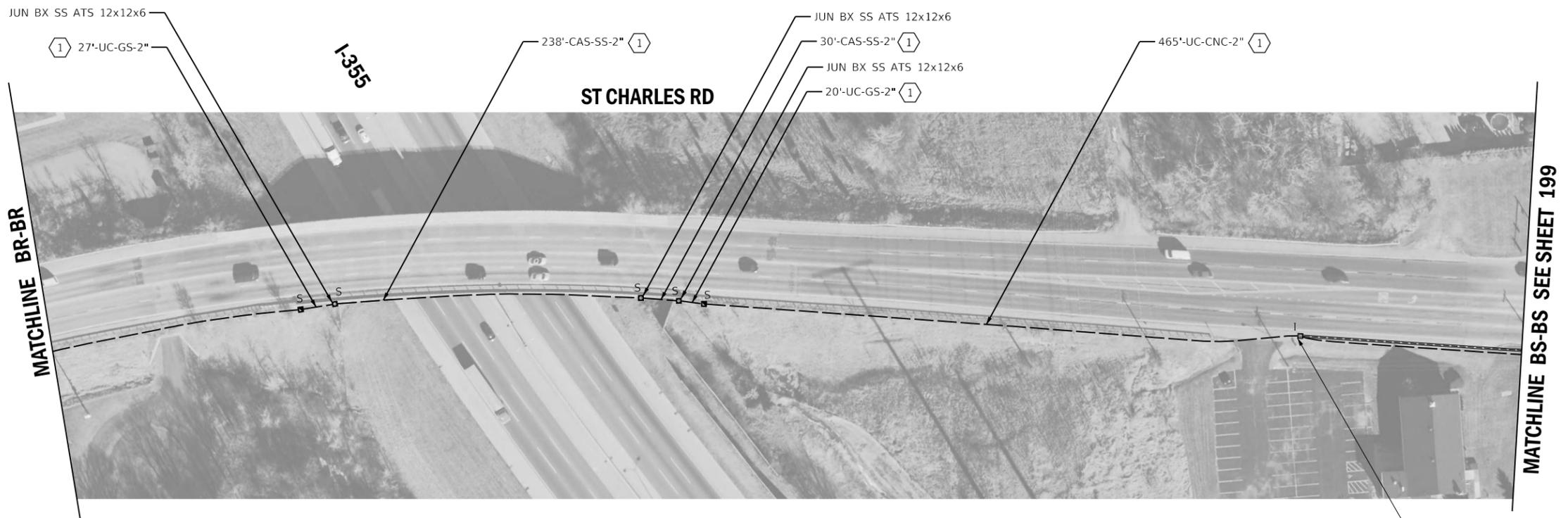
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MATCHLINE BQ-BQSEE SHEET 197



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- ② EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ③ THE CONTRACTOR SHALL BYPASS THE CONTROL CABINET AT THIS INTERSECTION. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION HAS BEEN INCLUDED IF EXISTING TRAFFIC SIGNAL HANDHOLES OR CONDUIT ARE USED IN INTERCONNECT ROUTING.
- ④ THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.



DRILL EXISTING HANDHOLE (2)



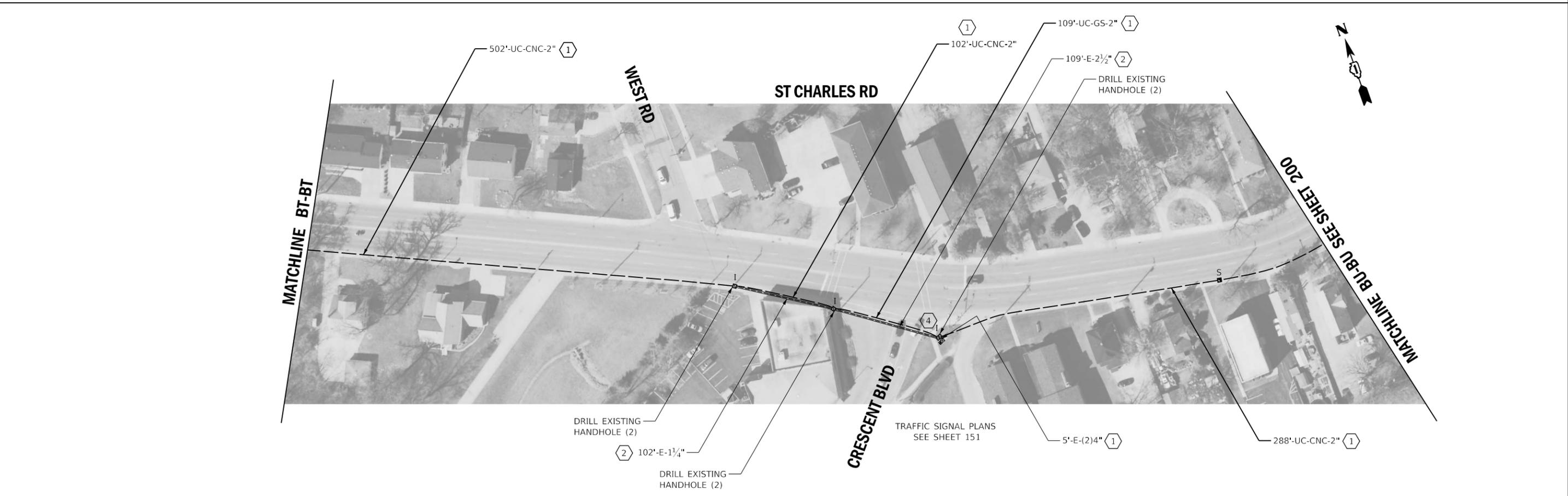
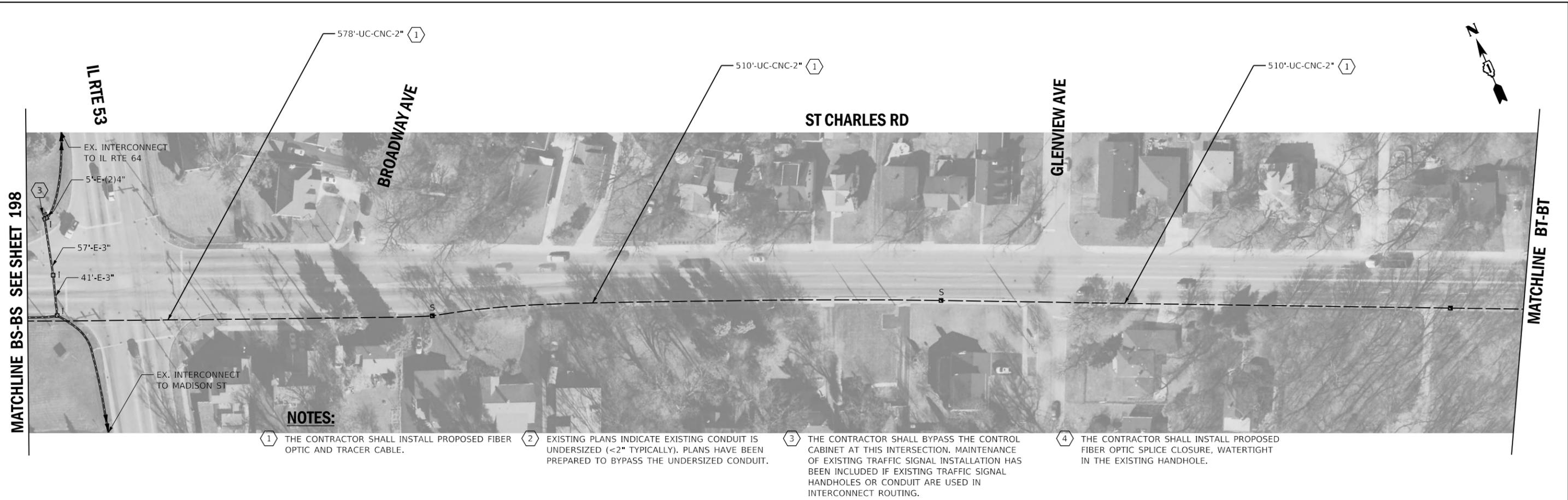
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	DRAWN - RG	REVISED -
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PLOT DATE = 6/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

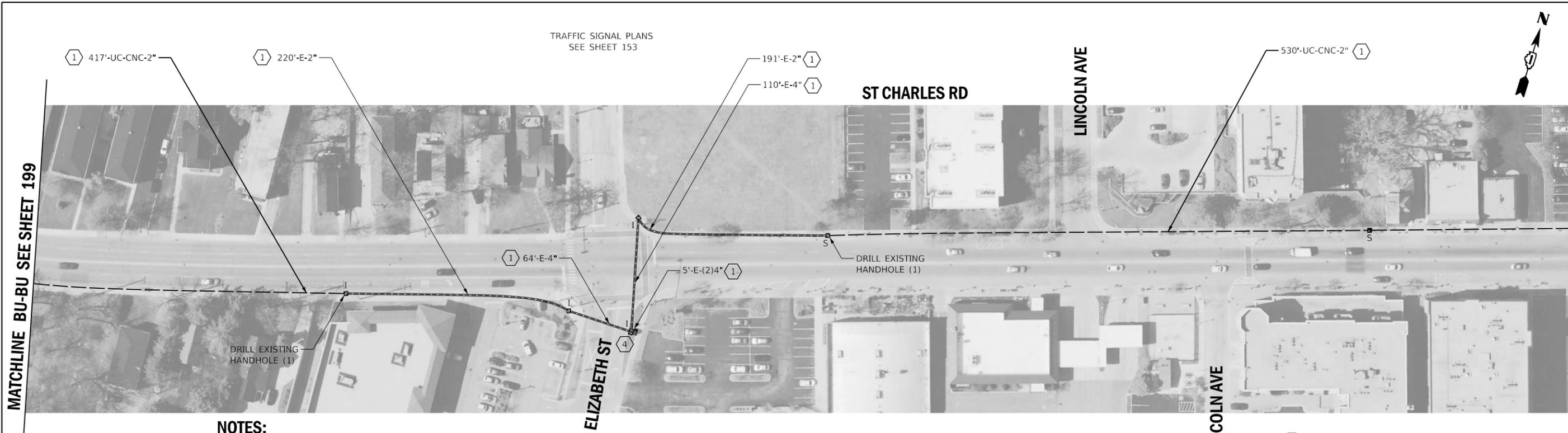
PROPOSED INTERCONNECT PLAN - AREA 4
LOCATION K - ST CHARLES RD

SCALE: 1"=50' SHEET 37 OF 44 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	293	198
			CONTRACT NO. 61H96	
ILLINOIS FED. AID PROJECT				

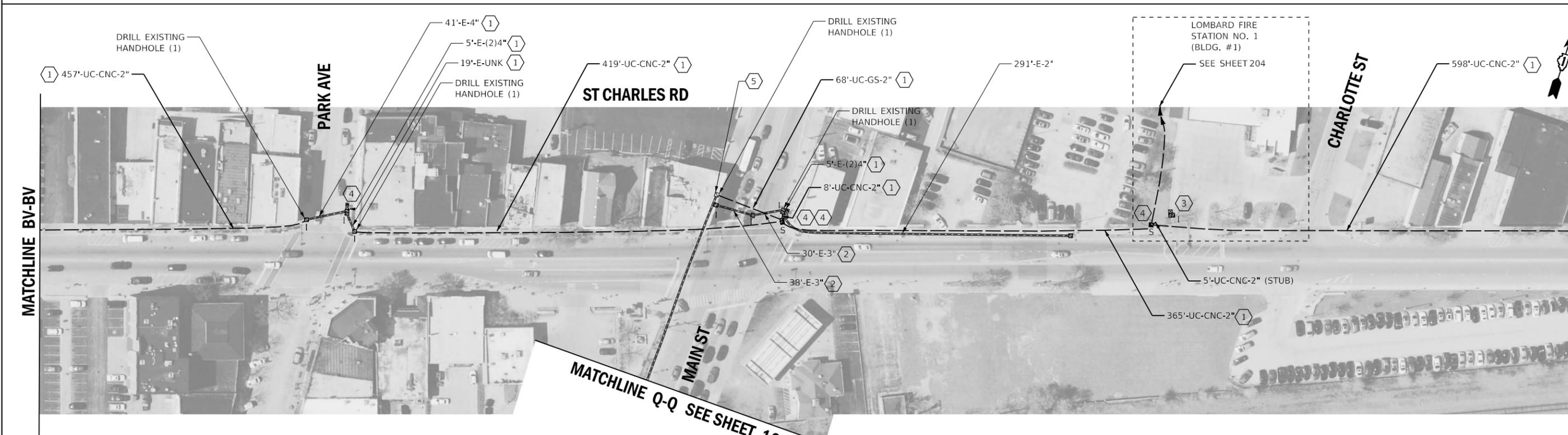


	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN - AREA 4 LOCATION K - ST CHARLES RD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -		SCALE: 1"=50'	SHEET 38 OF 44 SHEETS	STA. TO STA.	VAR.	19-DCCSS-03-TL	DUPAGE	293
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NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC AND TRACER CABLE.
- 2 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 3 THE CONTRACTOR SHALL BYPASS THE CONTROL CABINET AT THIS INTERSECTION. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION HAS BEEN INCLUDED IF EXISTING TRAFFIC SIGNAL HANDHOLES OR CONDUIT ARE USED IN INTERCONNECT ROUTING.
- 4 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC SPLICE CLOSURE, WATERTIGHT IN THE EXISTING HANDHOLE.
- 5 EXISTING 1 1/2" CONDUIT WAS INSTALLED FOR VILLAGE OF LOMBARD USE BETWEEN EXISTING EVERSTREAM HANDHOLES (JUNE 14TH, 2021).



	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN - AREA 4 LOCATION K - ST CHARLES RD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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