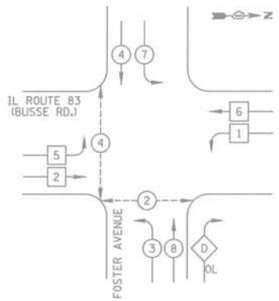
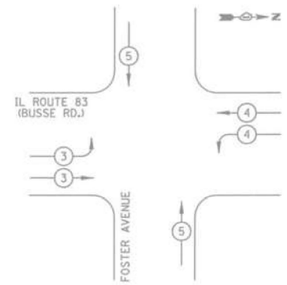
EXISTING
CONTROLLER SEQUENCE



LEGEND

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

EXISTING
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

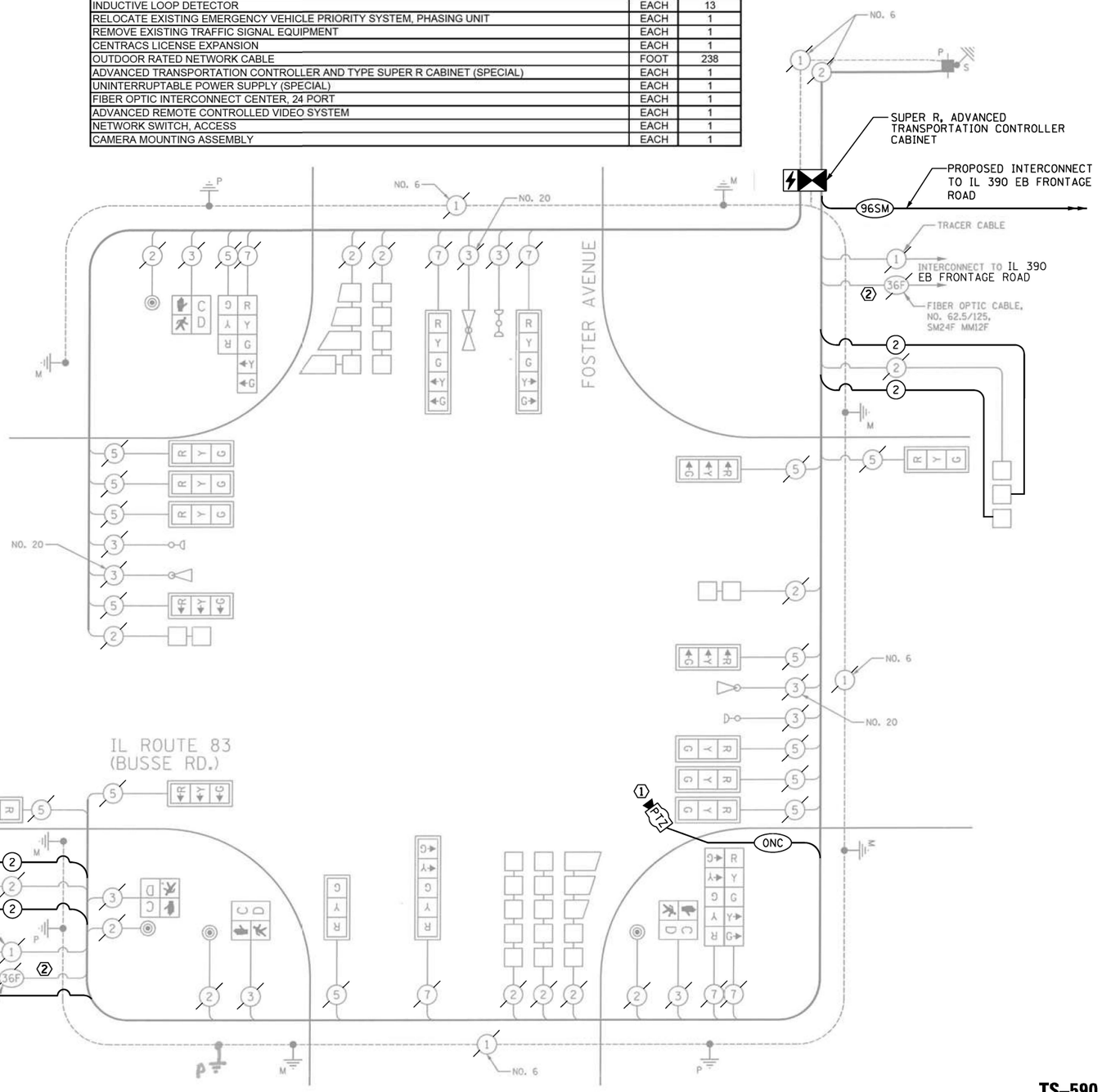
CONSTRUCTION NOTES:

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

2. THE CONTRACTOR SHALL DISCONNECT THE EXISTING 36 F FIBER OPTIC CABLE. THE EXISTING 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1676
INDUCTIVE LOOP DETECTOR	EACH	13
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	238
ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1



CABLE PLAN

NOT TO SCALE

LOCATION NO. 43

TS–590
IDOT CENTRACS
FORMER ECON 111

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**492**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1172**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: TED ZAWISLAK
PHONE: (630) 691-4861
COMPANY: COMED
ACCOUNT NUMBER: ----

TS SHT NO. 93

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN / PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATIONS CHKD — NOTE BOOK — NO. — BY — DATE

USER NAME = fbarlso	DESIGNED - BC	REVISED -	
ECON111_09_CAB_IL83-Foster.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND FOSTER AVENUE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	101
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Ⓐ



R 10-5
30"x36"
(TYP.)
SIGN PANEL
TYPE 1

Ⓑ



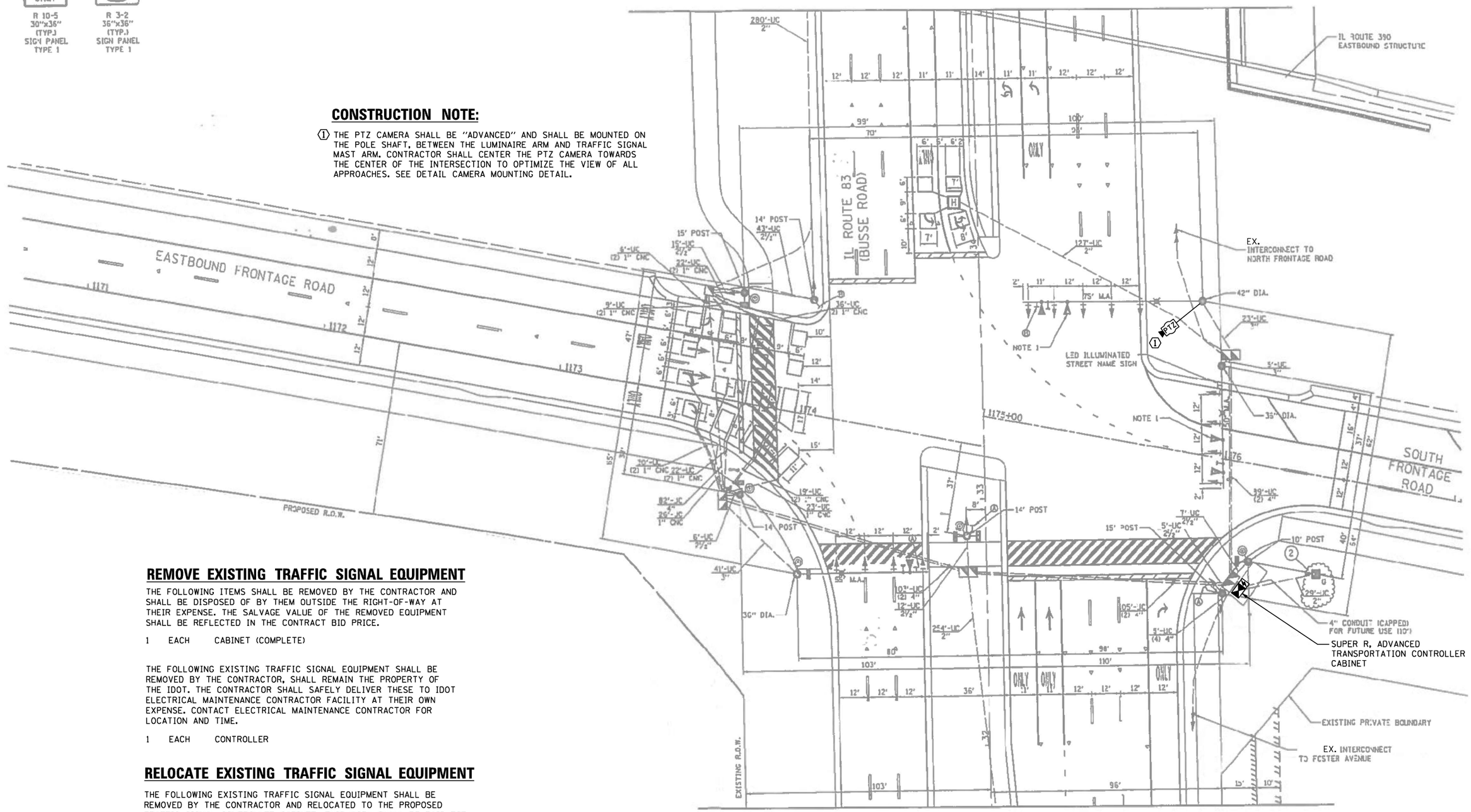
R 3-2
36"x36"
(TYP.)
SIGN PANEL
TYPE 1

TRAFFIC SIGNAL NOTES

1. THESE LIGHT DETECTORS CALL EMERGENCY VEHICLE PREEMPTION PHASE 3 (NORTHBOUND IL ROUTE 83) AT THE INTERSECTION OF IL ROUTE 83 (BUSSE RD.) WITH WB FRONTAGE ROAD.

CONSTRUCTION NOTE:

① THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE POLE SHAFT, BETWEEN THE LUMINAIRE ARM AND TRAFFIC SIGNAL MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



REMOVE 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 BID PRICE.

1 EACH CABINET (COMPLETE)

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

1 EACH CONTROLLER

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH LIGHT DETECTOR AMPLIFIER

LOCATION NO. 42

TS–662
IDOT CENTRACS
FORMER ECON 111

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT PLOTTED, STRUCTURE NOTATNS CHKD — BY — DATE
NOTE BOOK
NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES PLOTTED, CADD FILE NAME
NOTE BOOK
NO.

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 94

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

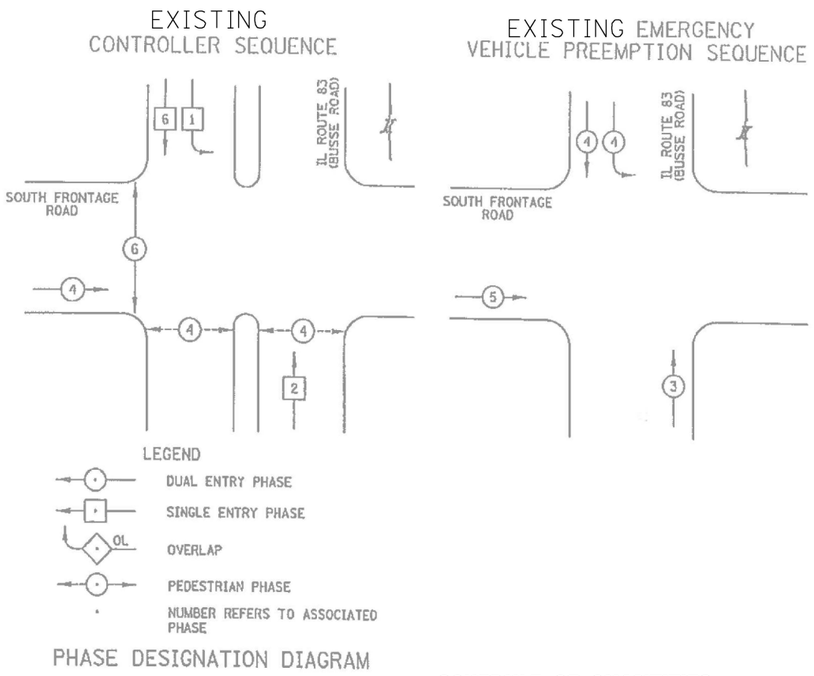
USER NAME = fbariso	DESIGNED - BC	REVISED -
ECON111_10_MOD_IL83-EB Frontage.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND IL 390 /EB FRONTAGE ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	102
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PHASE DESIGNATION DIAGRAM

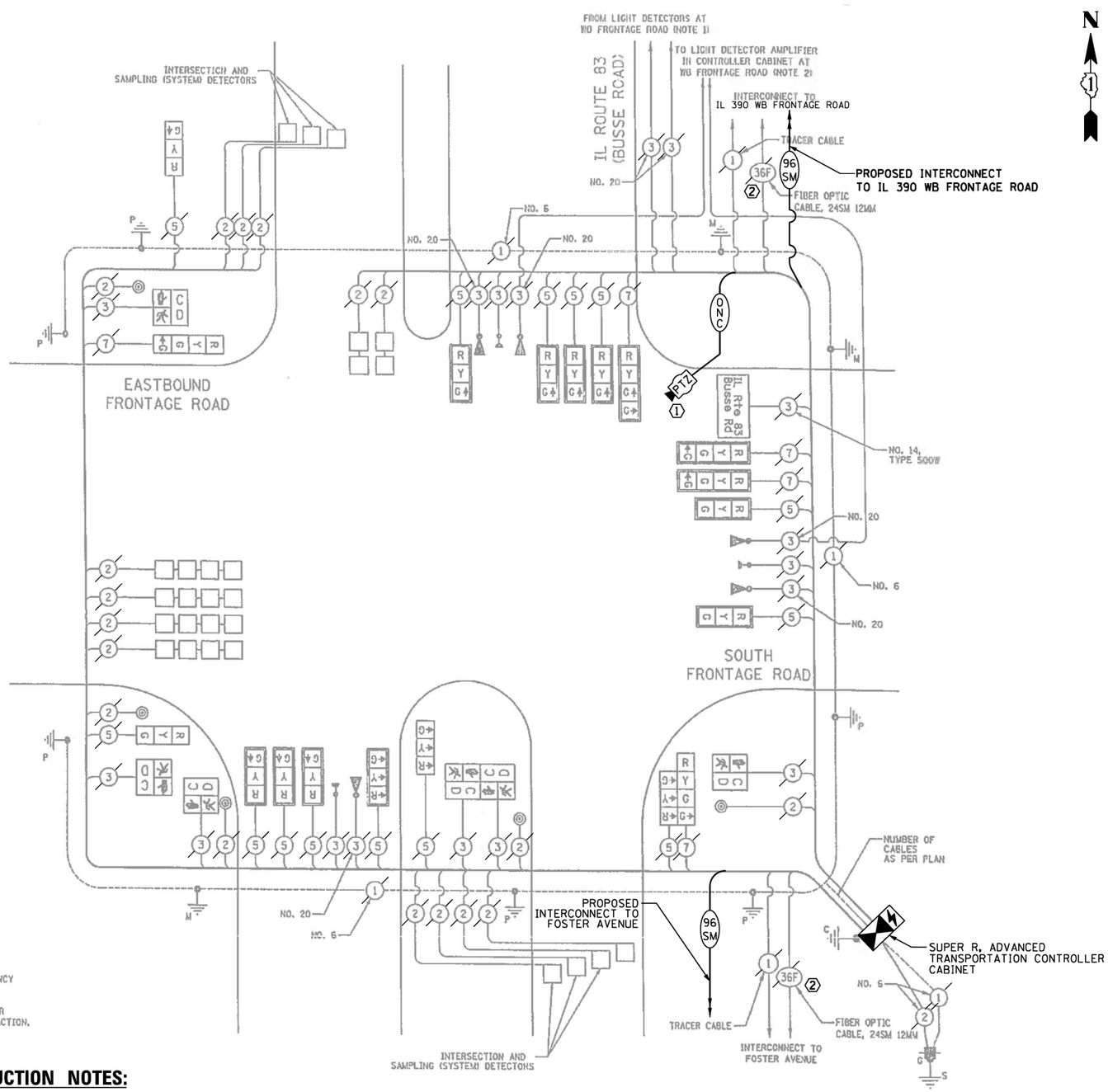
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	13
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	199
ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	14	11	154
4-SECTION	5	14	70
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**514**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	1	120	120
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1314**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: JAMES SHADE
PHONE: (630) 424-5702
COMPANY: COMED
ACCOUNT NUMBER: ----



CABLE PLAN

NOT TO SCALE

CABLE PLAN NOTES

1. THESE CABLES ARE CONNECTED TO LIGHT DETECTORS ON THE SOUTHBOUND AND WESTBOUND MAST ARMS AT THE WB FRONTAGE ROAD INTERSECTION. THOSE DETECTORS PLACE A CALL IN EMERGENCY VEHICLE PREEMPTOR PHASE 4 AT THIS INTERSECTION.
2. THESE CABLES ARE CONNECTED TO THE LIGHT DETECTOR AMPLIFIER IN THE CONTROLLER CABINET AT THE WB FRONTAGE ROAD INTERSECTION.

CONSTRUCTION NOTES:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE POLE SHAFT, BETWEEN THE LUMINAIRE ARM AND TRAFFIC SIGNAL MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.
2. THE CONTRACTOR SHALL DISCONNECT THE EXISTING 36 F FIBER OPTIC CABLE. THE EXISTING 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.

LOCATION NO. 42

TS–662
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 95

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC
ECON111_11_CAB_IL83-EB Frontage.dgn	DRAWN - FPB
PLOT SCALE = 40'	CHECKED - EAJ
PLOT DATE = 3/20/2026	DATE -

REVISED - (3 rows)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (BUSSE ROAD) AND IL 390 /EB FRONTAGE ROAD

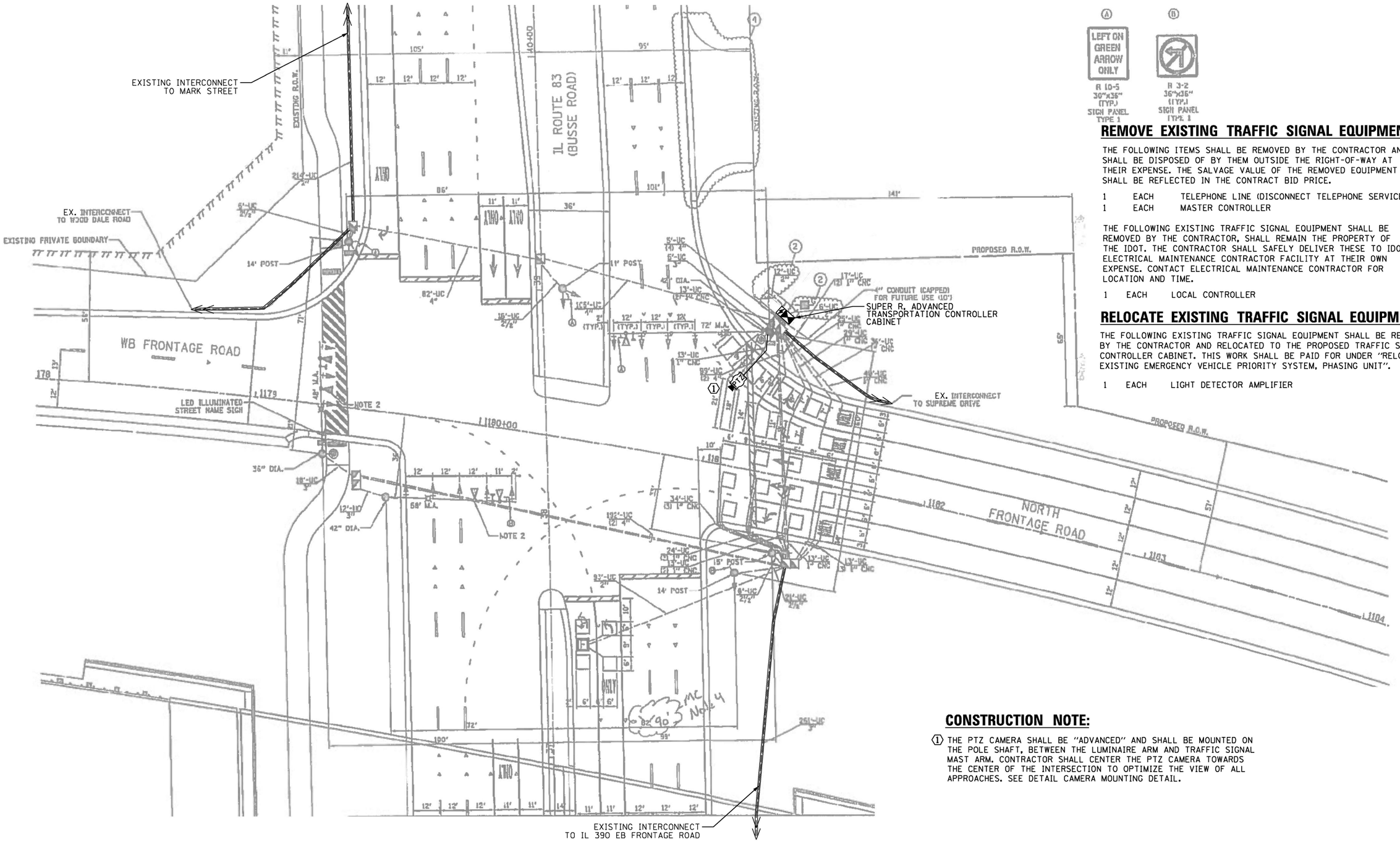
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	103
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHKD / STRUCTURE NOTATNS CHKD — BY — DATE — NOTE BOOK — NO.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / CADD FILE NAME — BY — DATE — NOTE BOOK — NO.

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



REMOVE 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 BID PRICE.

1 EACH TELEPHONE LINE (DISCONNECT TELEPHONE SERVICE)
1 EACH MASTER CONTROLLER

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

1 EACH LOCAL CONTROLLER

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH LIGHT DETECTOR AMPLIFIER

CONSTRUCTION NOTE:

1 THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE POLE SHAFT, BETWEEN THE LUMINAIRE ARM AND TRAFFIC SIGNAL MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

TS-661
IDOT CENTRACS
FORMER ECON 111

LOCATION NO. 41

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON111_12_MOD_IL83-WB Frontage.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 3/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND IL 390 /WB FRONTAGE ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	104
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD — NOTE BOOK NO. — BY — DATE

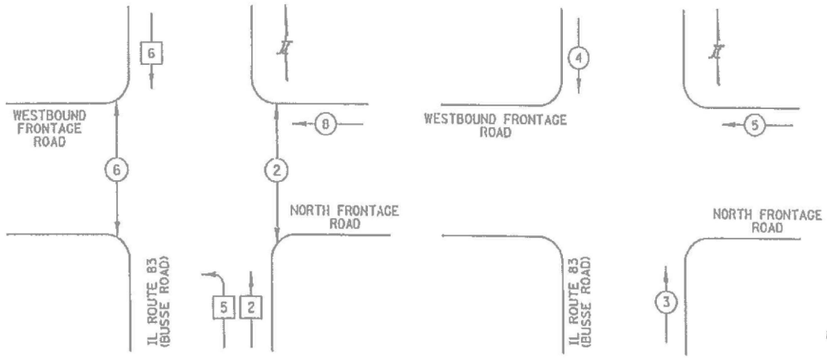
PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

TS SHT NO. 96

EXISTING
CONTROLLER SEQUENCE

EXISTING EMERGENCY
VEHICLE PREEMPTION SEQUENCE



PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	93
ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
NETWORK SWITCH DISTRIBUTION	EACH	1
SPLICE FIBER IN CABINET	EACH	24
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

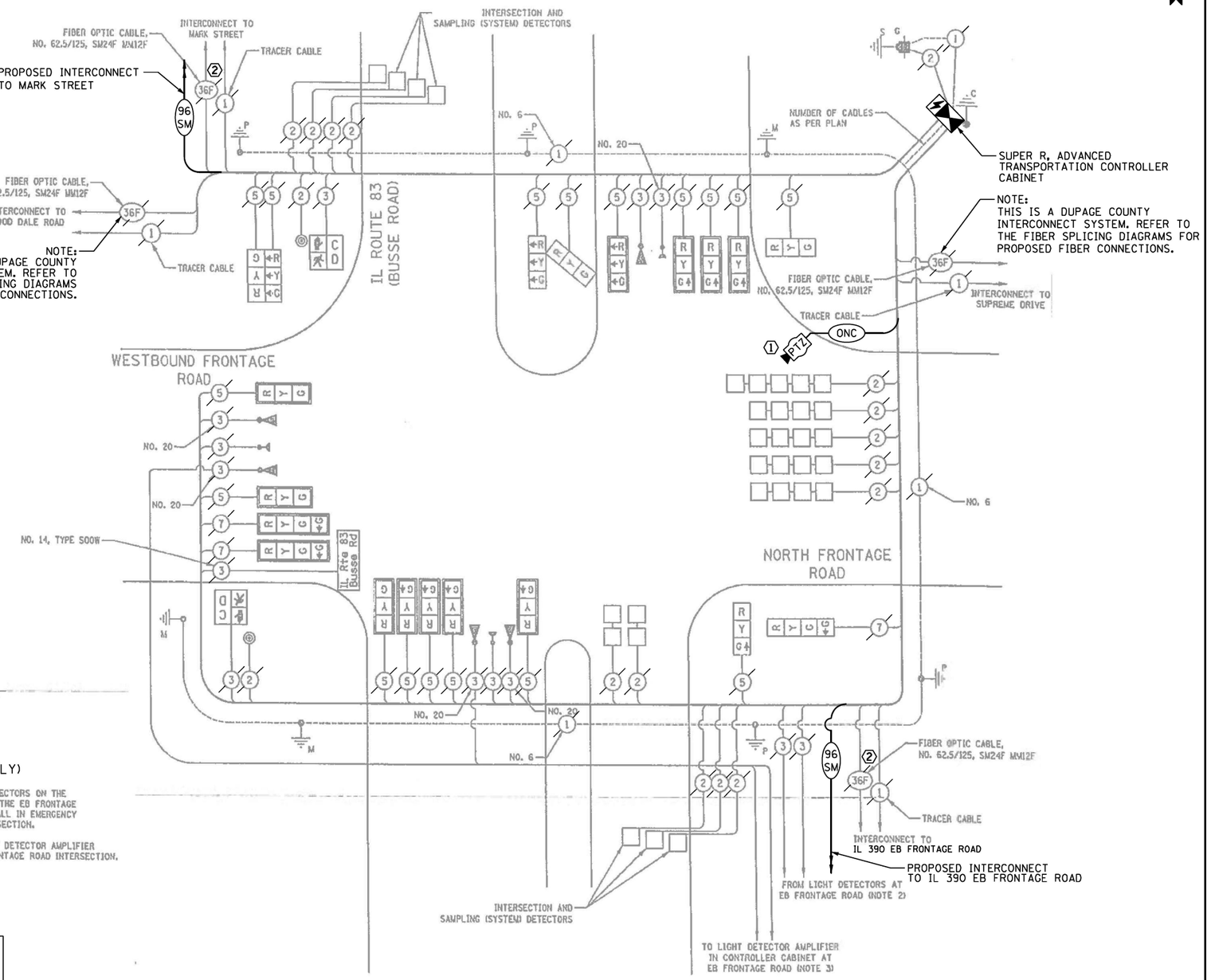
TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	17	11	187
4-SECTION	3	14	42
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**459**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	1	120	120
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1259**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: JAMES SHADE
PHONE: (630) 424-5702
COMPANY: COMED
ACCOUNT NUMBER: ----

CONSTRUCTION NOTES:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE POLE SHAFT, BETWEEN THE LUMINAIRE ARM AND TRAFFIC SIGNAL MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. THE CONTRACTOR SHALL DISCONNECT THE EXISTING 36 F FIBER OPTIC CABLE. THE EXISTING 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.



CABLE PLAN NOTES

(FOR INFORMATION ONLY)

2. THESE CABLES ARE CONNECTED TO LIGHT DETECTORS ON THE EASTBOUND AND NORTHBOUND MAST ARMS AT THE EB FRONTAGE INTERSECTION. THOSE DETECTORS PLACE A CALL IN EMERGENCY VEHICLE PREEMPTOR PHASE 3 AT THIS INTERSECTION.

3. THESE CABLES ARE CONNECTED TO THE LIGHT DETECTOR AMPLIFIER IN THE CONTROLLER CABINET AT THE EB FRONTAGE ROAD INTERSECTION.

CABLE PLAN
NOT TO SCALE

LOCATION NO. 41

TS–661
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 97

PROFILE SURVEYED PLOTTED GRADES CHECKED ALIGNMENT CHECKED STRUCTURE NOTATNS CHKD
NOTE BOOK NO. BY DATE

PLAN SURVEYED PLOTTED ALIGNMENT CHECKED CADD FILE NAME
NOTE BOOK NO. BY DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = bchavez	DESIGNED - BC	REVISED -
	ECON111_13_CAB_IL83-WB Frontage.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (BUSSE ROAD) AND IL 390 /WB FRONTAGE ROAD
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	105
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

REMOVE 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 BID PRICE.

1 EACH CABINET (COMPLETE)

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

1 EACH CONTROLLER

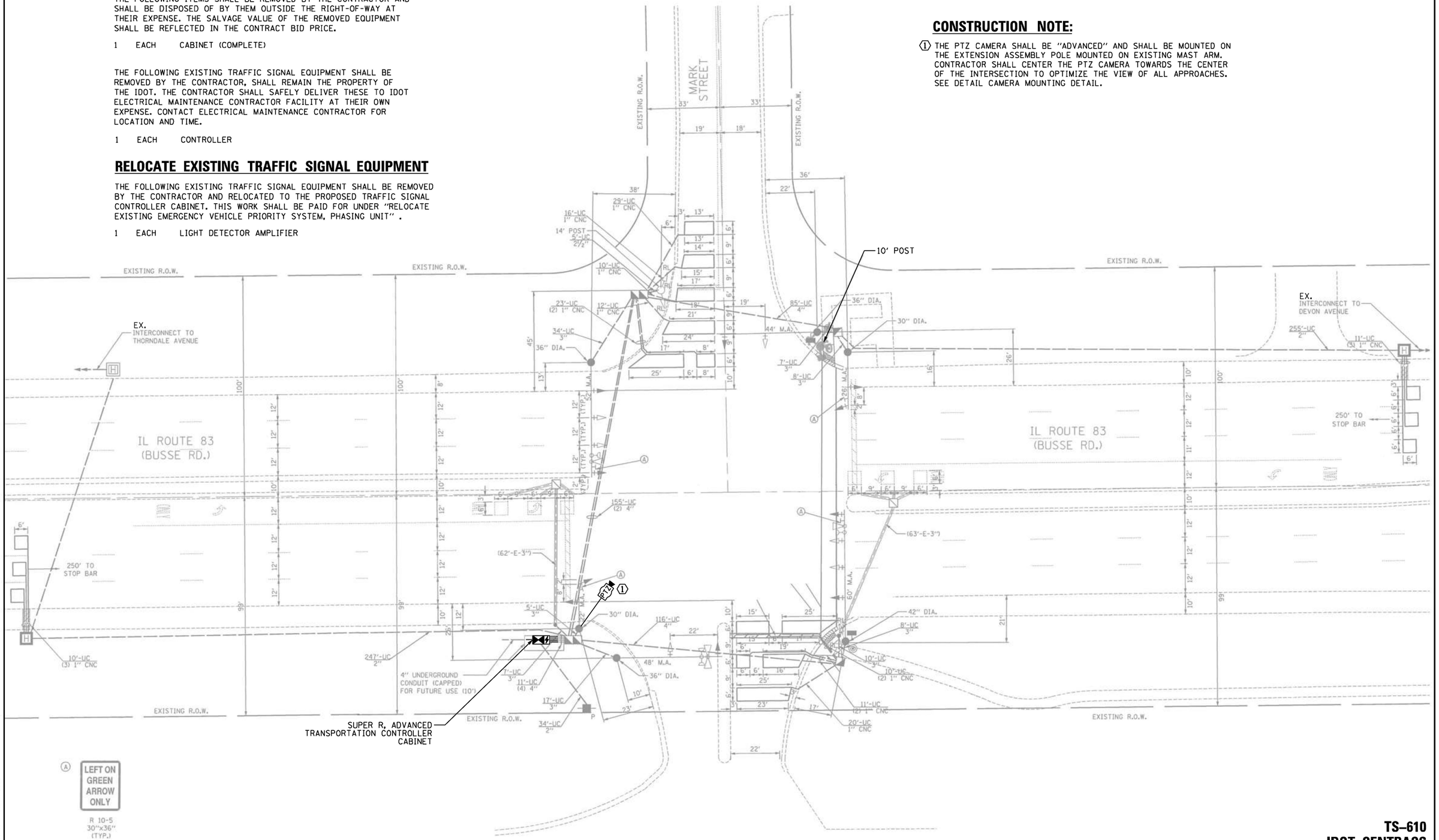
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH LIGHT DETECTOR AMPLIFIER

CONSTRUCTION NOTE:

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



TS SHT NO. 98

TS–610
IDOT CENTRACS
FORMER ECON 111

LOCATION NO. 40

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON111_14_MOD_IL83-Mark.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND MARK STREET

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

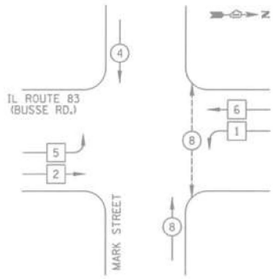
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	106
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

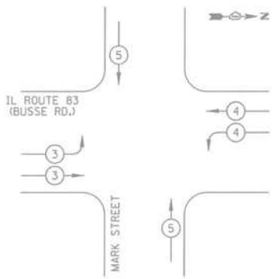
PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

EXISTING
CONTROLLER SEQUENCE



EXISTING
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



LEGEND

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

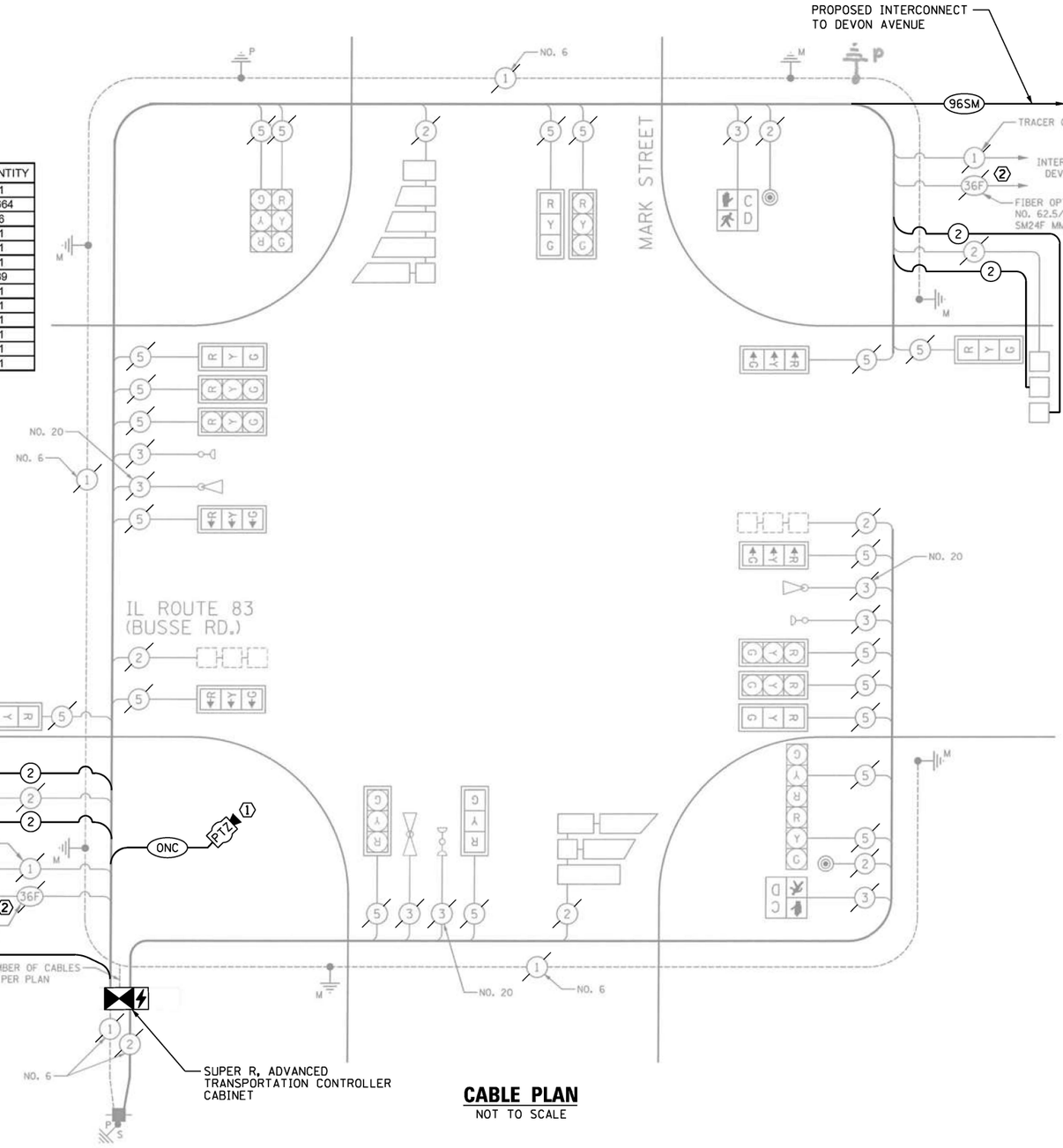
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1664
INDUCTIVE LOOP DETECTOR	EACH	6
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	89
ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

CONSTRUCTION NOTES:

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

2. THE CONTRACTOR SHALL DISCONNECT THE EXISTING 36 F FIBER OPTIC CABLE. THE EXISTING 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.



CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	20	11	220
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			425
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			1105

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: TED ZAWISLAK
PHONE: (630) 691-4861
COMPANY: COMED
ACCOUNT NUMBER: ----

LOCATION NO. 40

TS–610
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 99

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, ALL MATERIALS CHECKED, CADD FILE NAME, NOTATIONS CHKD, NOTE BOOK, NO.
PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALL MATERIALS CHECKED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO.
BY | DATE

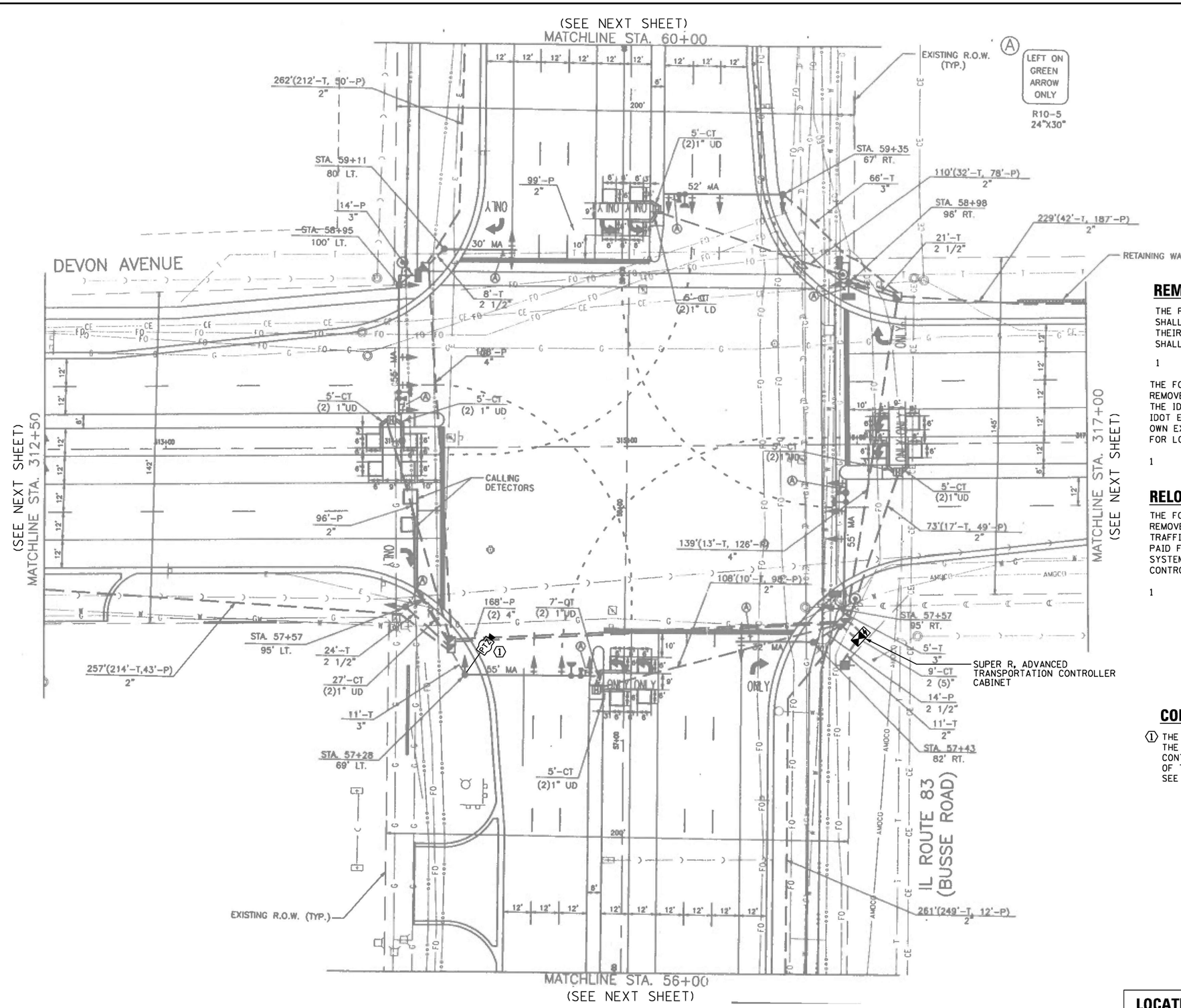
USER NAME = fbarlso	DESIGNED - BC	REVISED -	
ECON111_15_CAB_IL83-Mark.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (BUSSE ROAD) AND MARK STREET

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	107
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REMOVE 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 BID PRICE.

1 EACH CABINET (COMPLETE)

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

1 EACH CONTROLLER

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH LIGHT DETECTOR AMPLIFIER

CONSTRUCTION NOTE:

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

LOCATION NO. 39

TS-3410
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 100

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, R.O.W. MONUMENTED, CADD FILE NAME, NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

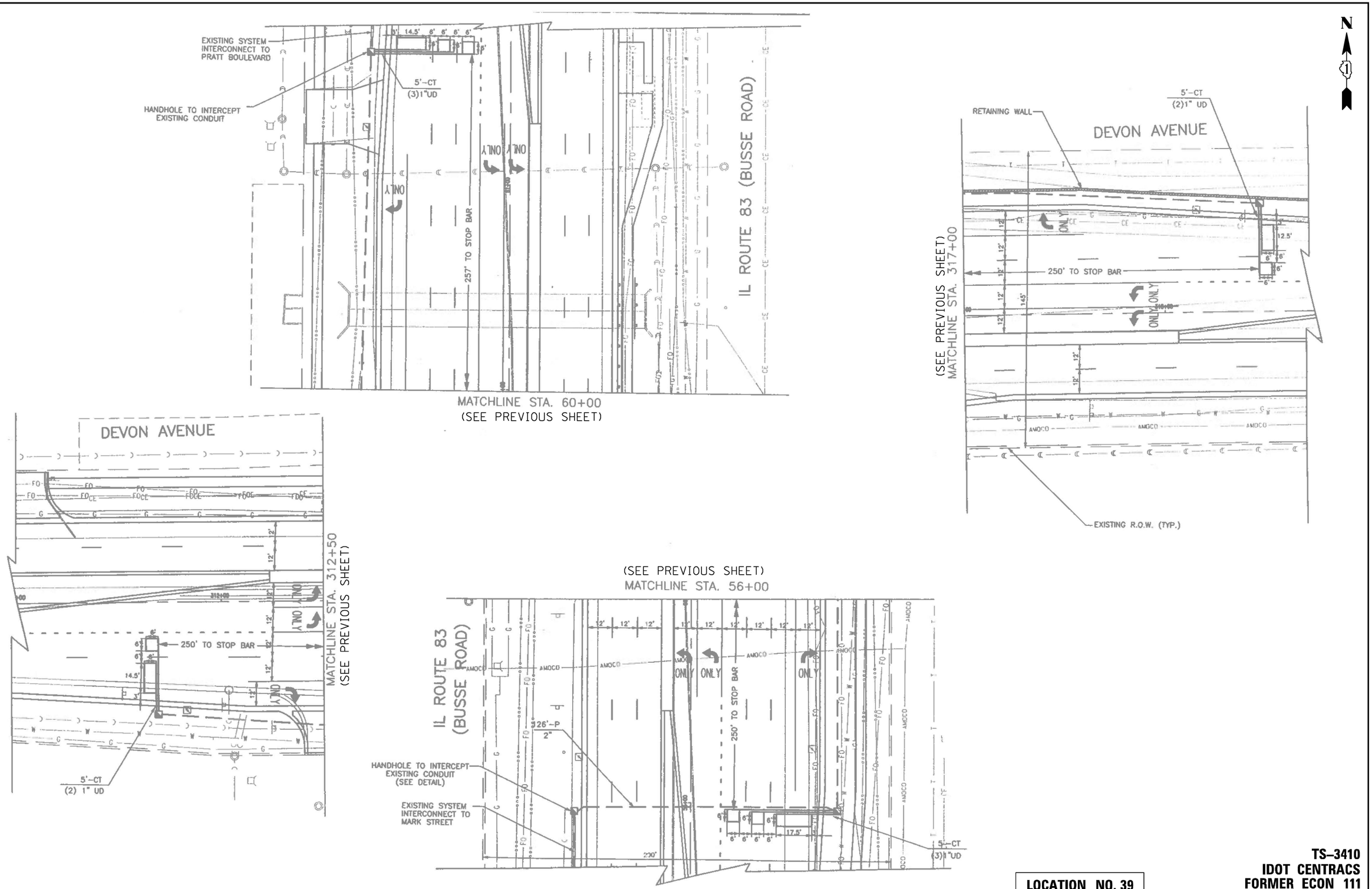
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
	ECON111_16_MOD1_IL83-Devon.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND DEVON AVENUE
(SHEET 1 OF 2)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	108
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 101

PROFILE | NOTE BOOK NO. | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTAT'NS CH'KD | BY | DATE

PLAN | NOTE BOOK NO. | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

LOCATION NO. 39

TS-3410
IDOT CENTRACS
FORMER ECON 111

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON111_17_MOD2_IL83-Devon.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

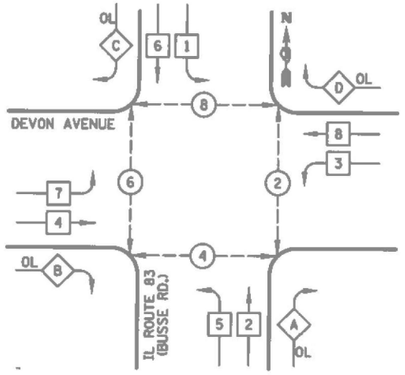
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND DEVON AVENUE
(SHEET 2 OF 2)

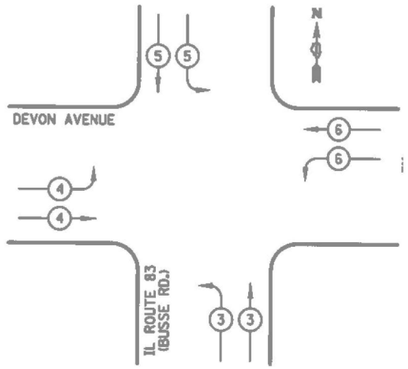
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	109
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

LEGEND

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

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

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

CONSTRUCTION NOTES:

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

(2) THE CONTRACTOR SHALL DISCONNECT THE EXISTING 36 F FIBER OPTIC CABLE. THE EXISTING 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.

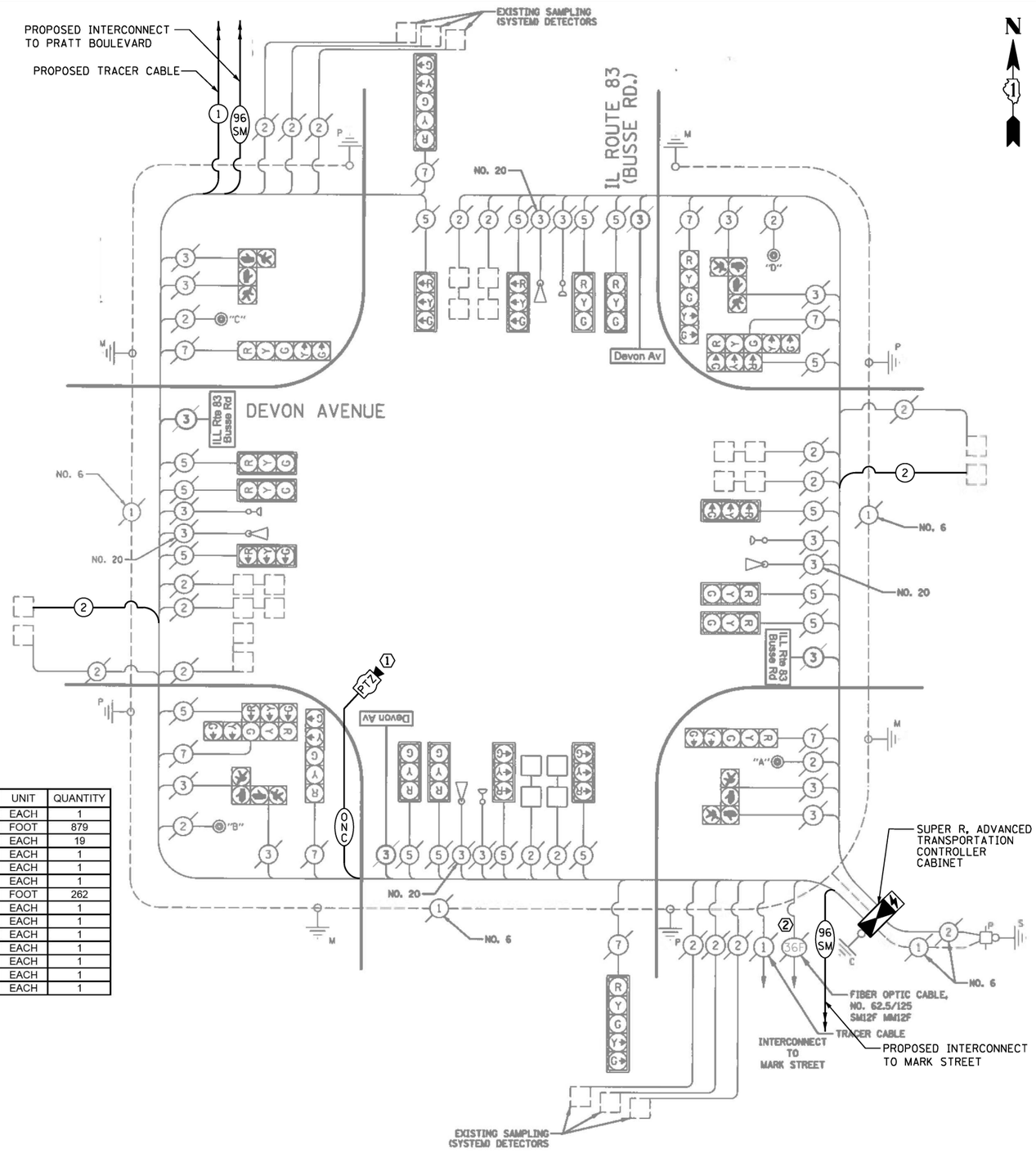
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	879
INDUCTIVE LOOP DETECTOR	EACH	19
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	262
ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			600
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			1760

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: ELEONOR SARALLO
PHONE: (630) 424-5124
COMPANY: COMED
ACCOUNT NUMBER: ----



CABLE PLAN

NOT TO SCALE

LOCATION NO. 39

TS–3410
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 102

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC
ECON111_18_CAB_IL83-Devon.dgn	DRAWN - FPB
PLOT SCALE = 40'	CHECKED - EAJ
PLOT DATE = 2/23/2026	DATE -

REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (BUSSE ROAD) AND DEVON AVENUE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	110
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHECKED — STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

REMOVE 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 BID PRICE.

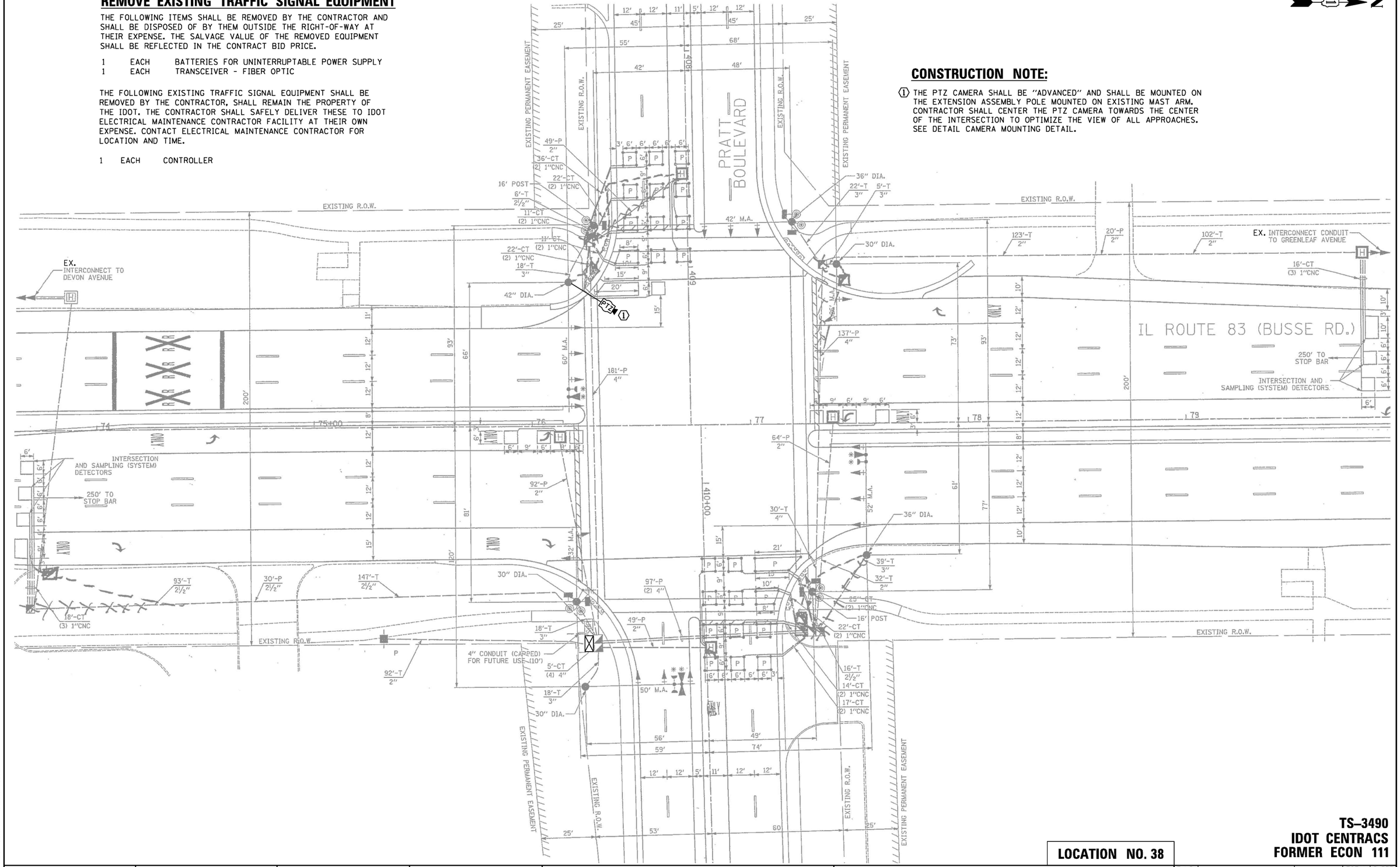
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC

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

1	EACH	CONTROLLER

CONSTRUCTION NOTE:

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



LOCATION NO. 38

TS–3490
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 103

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO. — SURVEYED — PLOTTED — ALIGNMENT CHECKED — GRADES CHECKED — R.O.W. MONUMENTED — CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK — NO. — SURVEYED — PLOTTED — GRADES CHECKED — R.O.W. MONUMENTED — STRUCTURE NOTATIONS CHKD — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	ECON111_19_MOD_IL83-Pratt.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

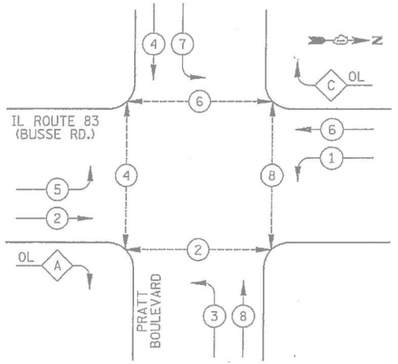
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND PRATT BOULEVARD

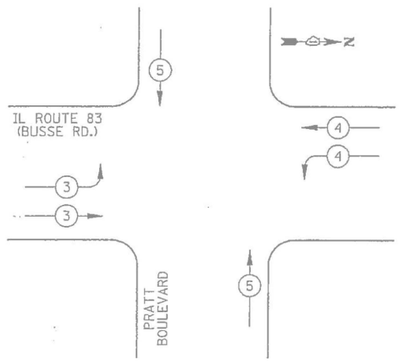
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	111
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



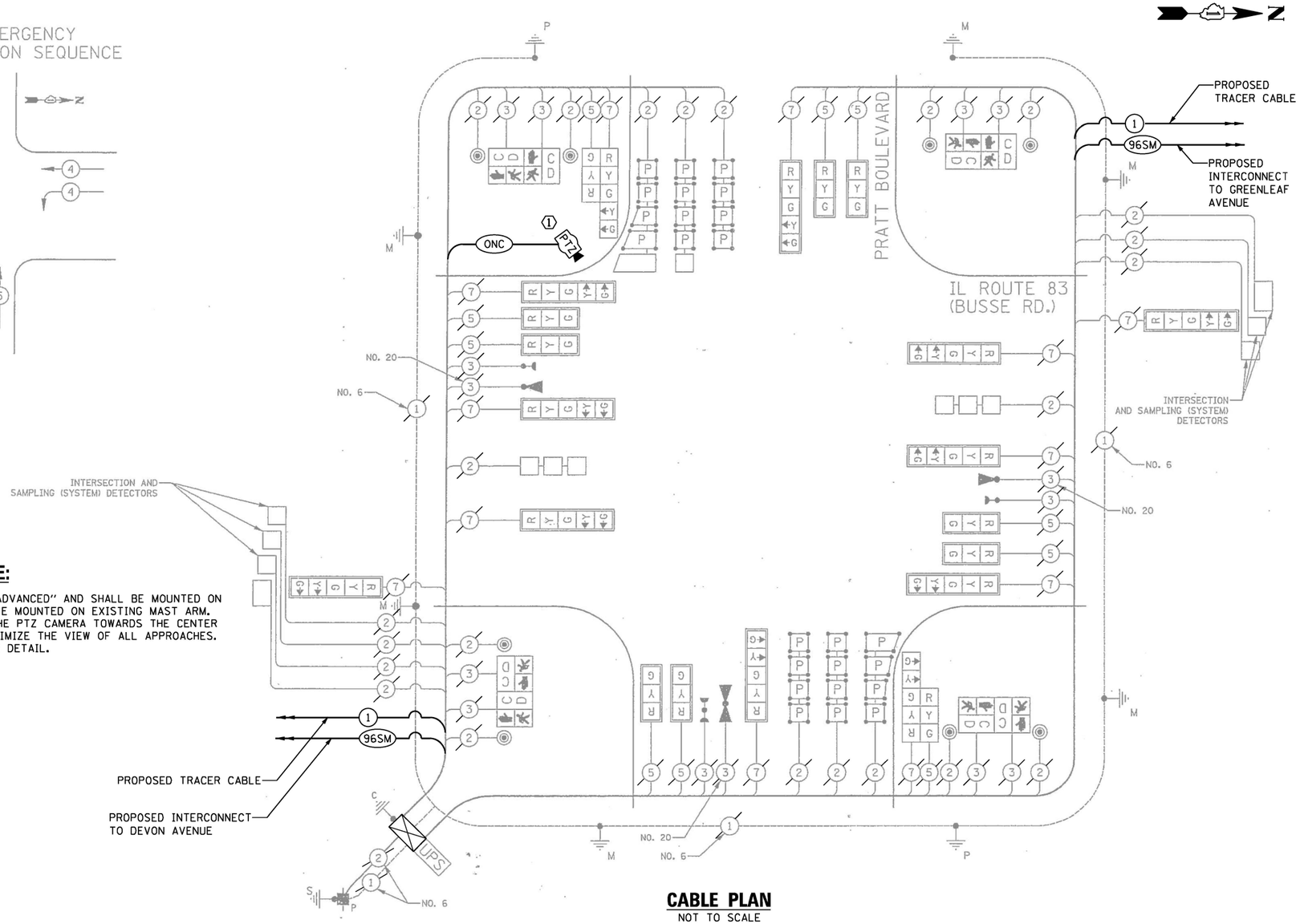
LEGEND

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

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

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



CABLE PLAN
NOT TO SCALE

CONSTRUCTION NOTE:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**586**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1746**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: ELEONOR SARALLO
PHONE: (630) 424-5124
COMPANY: COMED
ACCOUNT NUMBER: ----

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	271
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

LOCATION NO. 38

TS–3490
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 104

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BASE MAPS ADDED / STRUCTURE — BY — DATE — NOTATNS CHKD — NOTE BOOK — NO.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / ALL BY MICROSTATION / CADD FILE NAME — BY — DATE — NOTE BOOK — NO.

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
	ECON111_20_CAB_IL83-Pratt.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (BUSSE ROAD) AND PRATT BOULEVARD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	112
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE 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 BID PRICE.

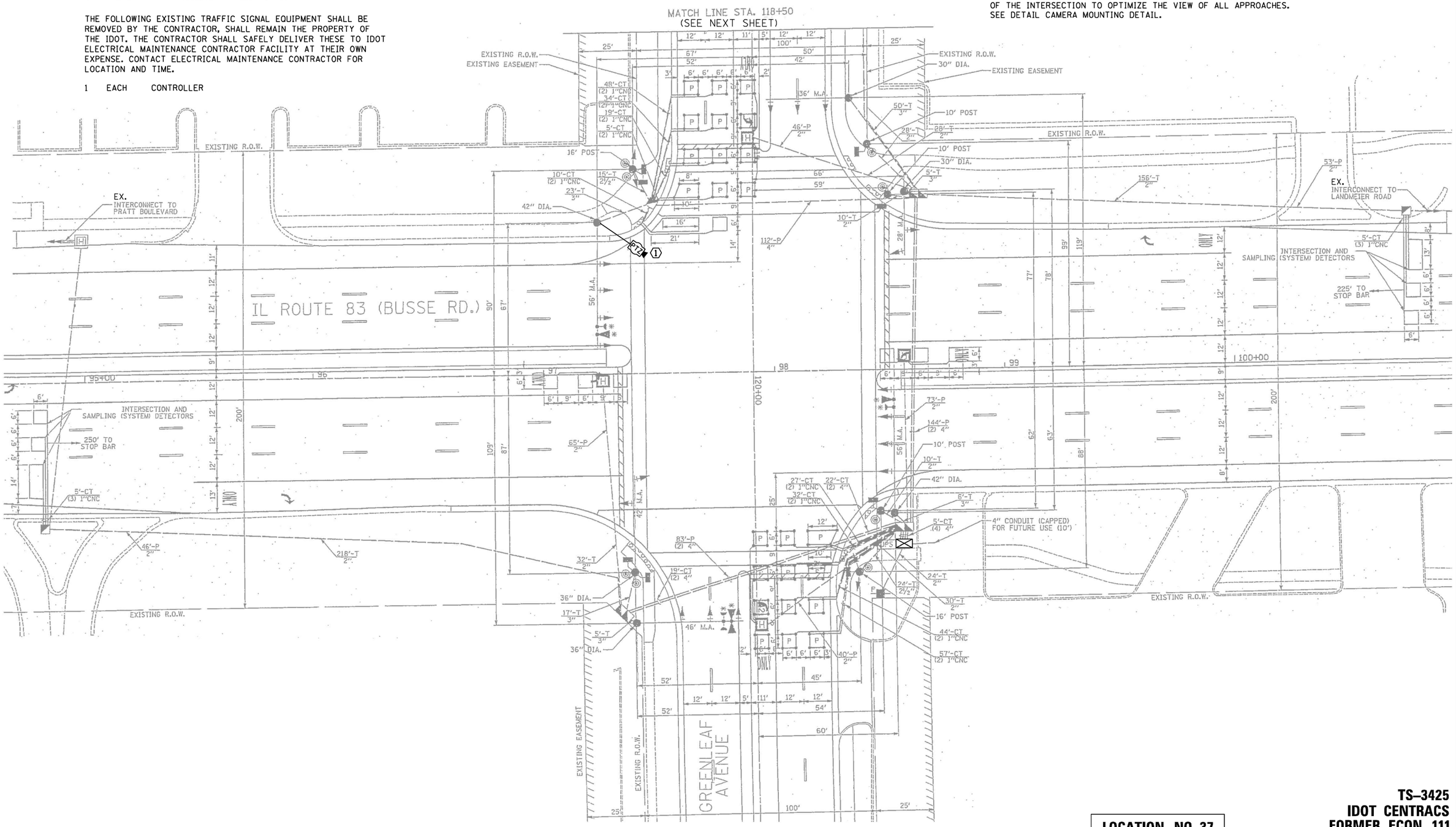
1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1 EACH TRANSCEIVER - FIBER OPTIC

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

1 EACH CONTROLLER

CONSTRUCTION NOTE:

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



LOCATION NO. 37

TS–3425
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 105

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO. — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHECKED — R.O.W. MONUMENTED — CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK — NO. — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHECKED — STRUCTURE NO(S)/NS CHKD — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

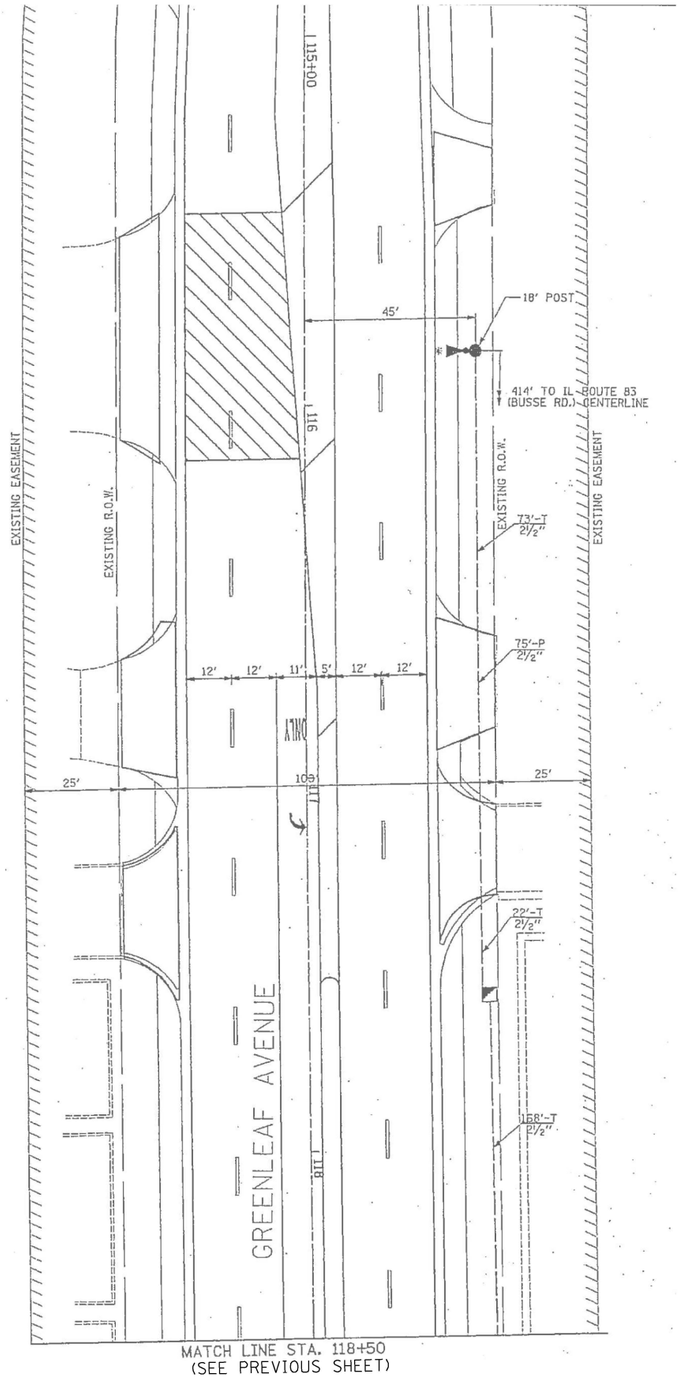
USER NAME = fbariso	DESIGNED - BC	REVISED -
ECON111_21_MOD1_IL83-Greenleaf.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND GREENLEAF AVENUE
(SHEET 1 OF 2)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	113
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS–3425
IDOT CENTRACS
FORMER ECON 111

LOCATION NO. 37

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON111_22_MOD2_IL83-Greenleaf.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND GREENLEAF AVENUE
(SHEET 2 OF 2)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	114
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

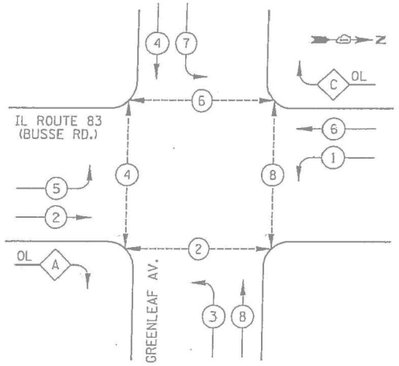
PLAN
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
ALIGNMENT CHECKED ____
RT. OF WAY CHECKED ____
CADD FILE NAME ____
BY ____ DATE ____

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

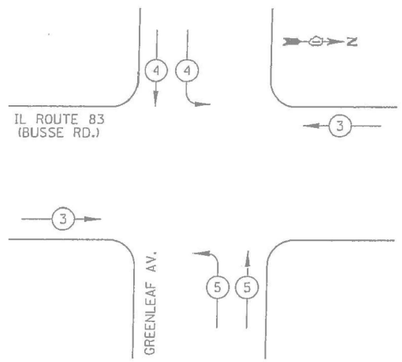
PROFILE
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
GRADES CHECKED ____
B.M. NOTED ____
STRUCTURE NOTATNS CH'KD ____
BY ____ DATE ____

TS SHT NO. 106

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

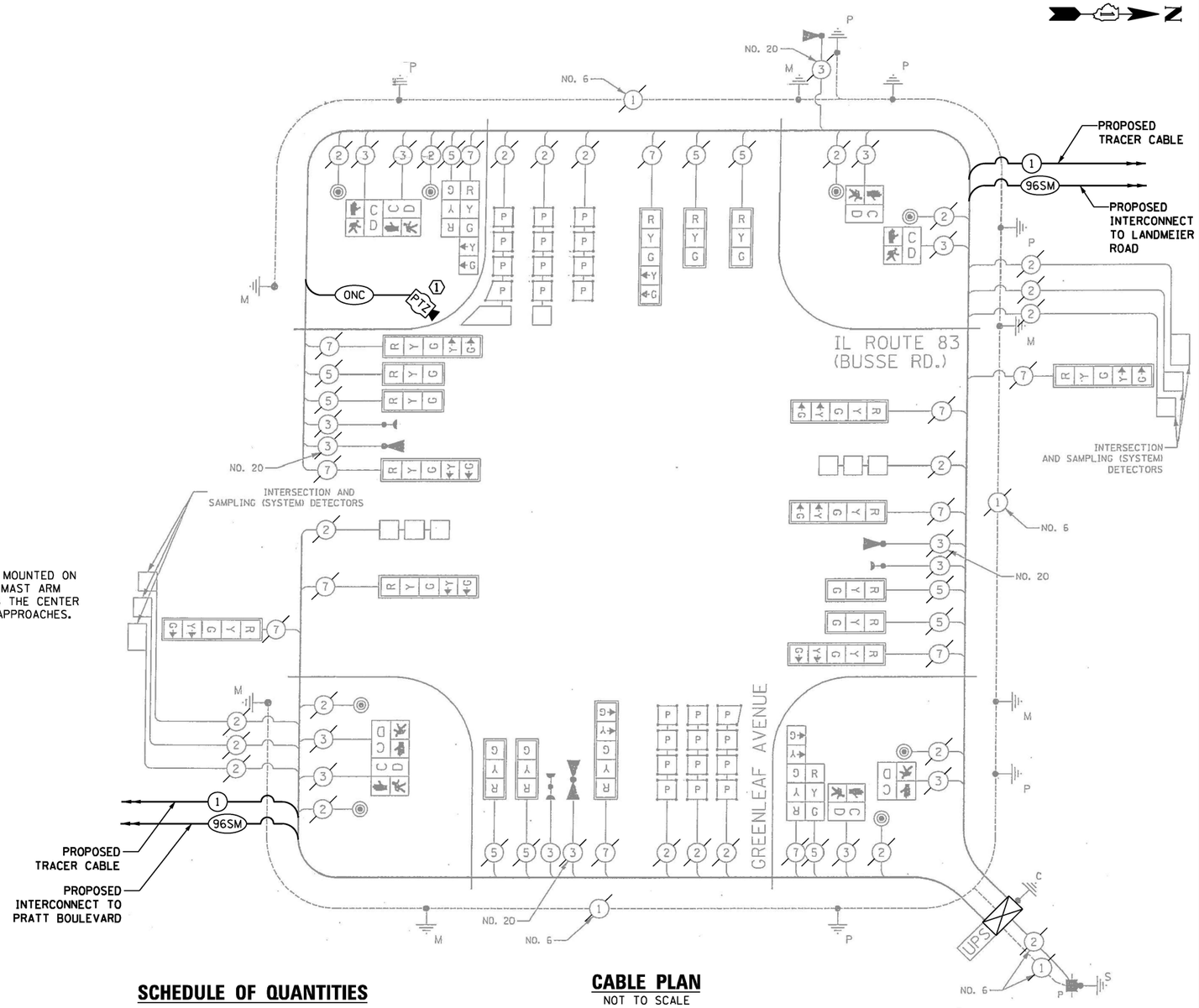
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION

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

CONSTRUCTION NOTE:

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



CABLE PLAN

NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	364
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**586**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1746**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: ELEONOR SARALLO
PHONE: (630) 424-5124
COMPANY: COMED
ACCOUNT NUMBER: ----

LOCATION NO. 37

TS–3425
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 107

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
ECON111_23_CAB_IL83-Greenleaf.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (BUSSE ROAD) AND GREENLEAF AVENUE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	115
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE PLAN
SURVEYED PLOTTED GRADES CHECKED R.O.W. MONUMENTED STRUCTURE NOTATNS CHK'D
NOTE BOOK NO.
BY DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

SURVEYED PLOTTED ALIGNMENT CHECKED R.O.W. MONUMENTED CADD FILE NAME
NOTE BOOK NO.
BY DATE

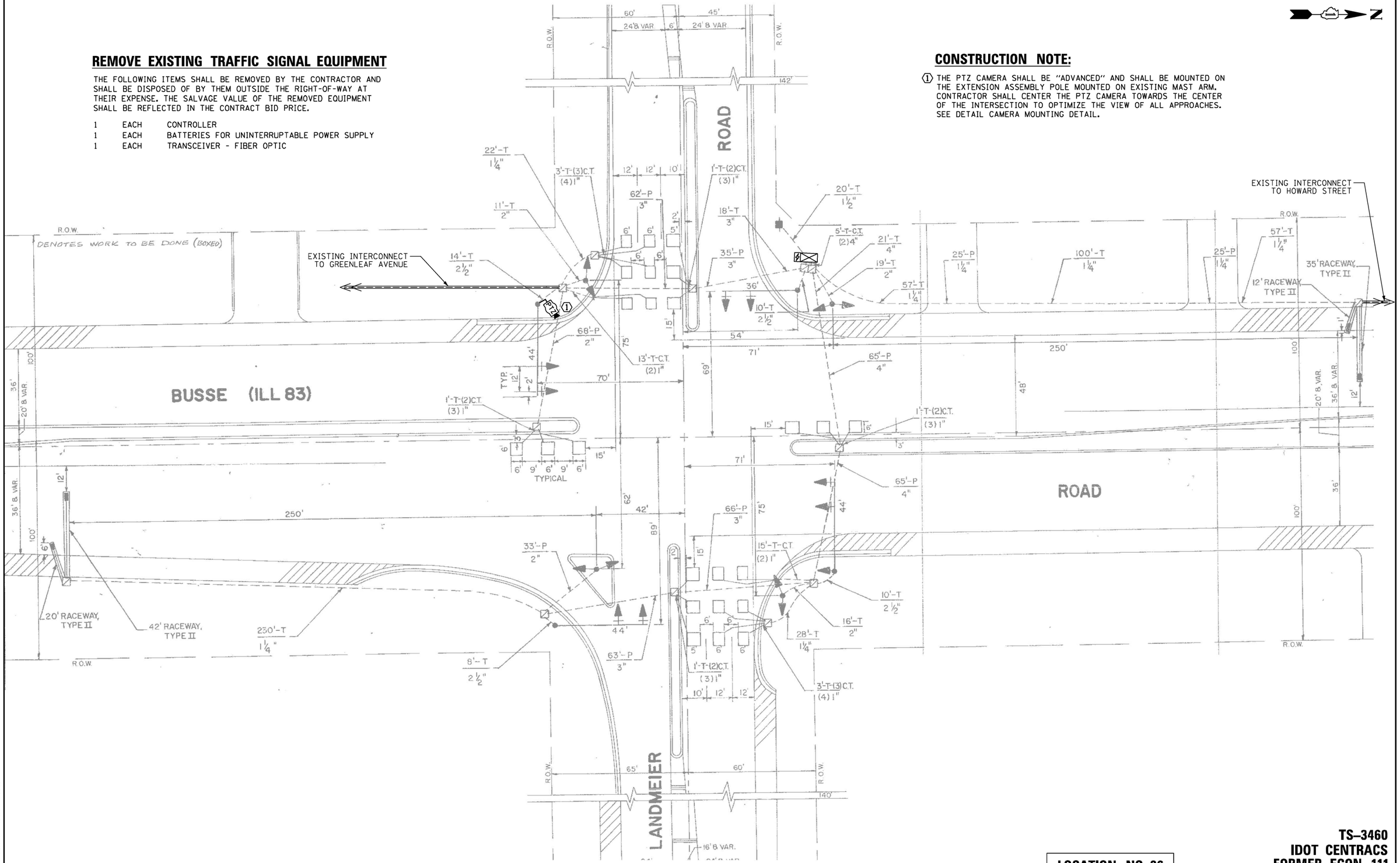
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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 BID PRICE.

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

CONSTRUCTION NOTE:

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



TS–3460
IDOT CENTRACS
FORMER ECON 111

LOCATION NO. 36

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON111_24_MOD_IL83-Landmeier.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 3/24/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND LANDMEIER ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	116
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

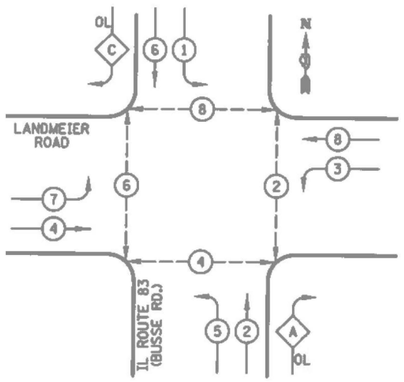
PLAN — NOTE BOOK NO. — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

PROFILE — NOTE BOOK NO. — SURVEYED — PLOTTED — GRADES CHECKED — B.M. NOTED — STRUCTURE NOTAT'NS CH'KD — BY — DATE

TS SHT NO. 108

EXISTING CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

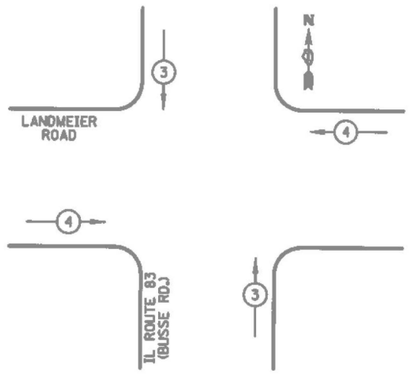
RIGHT TURN OVERLAP PHASE DESIGNATION

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

LEGEND

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



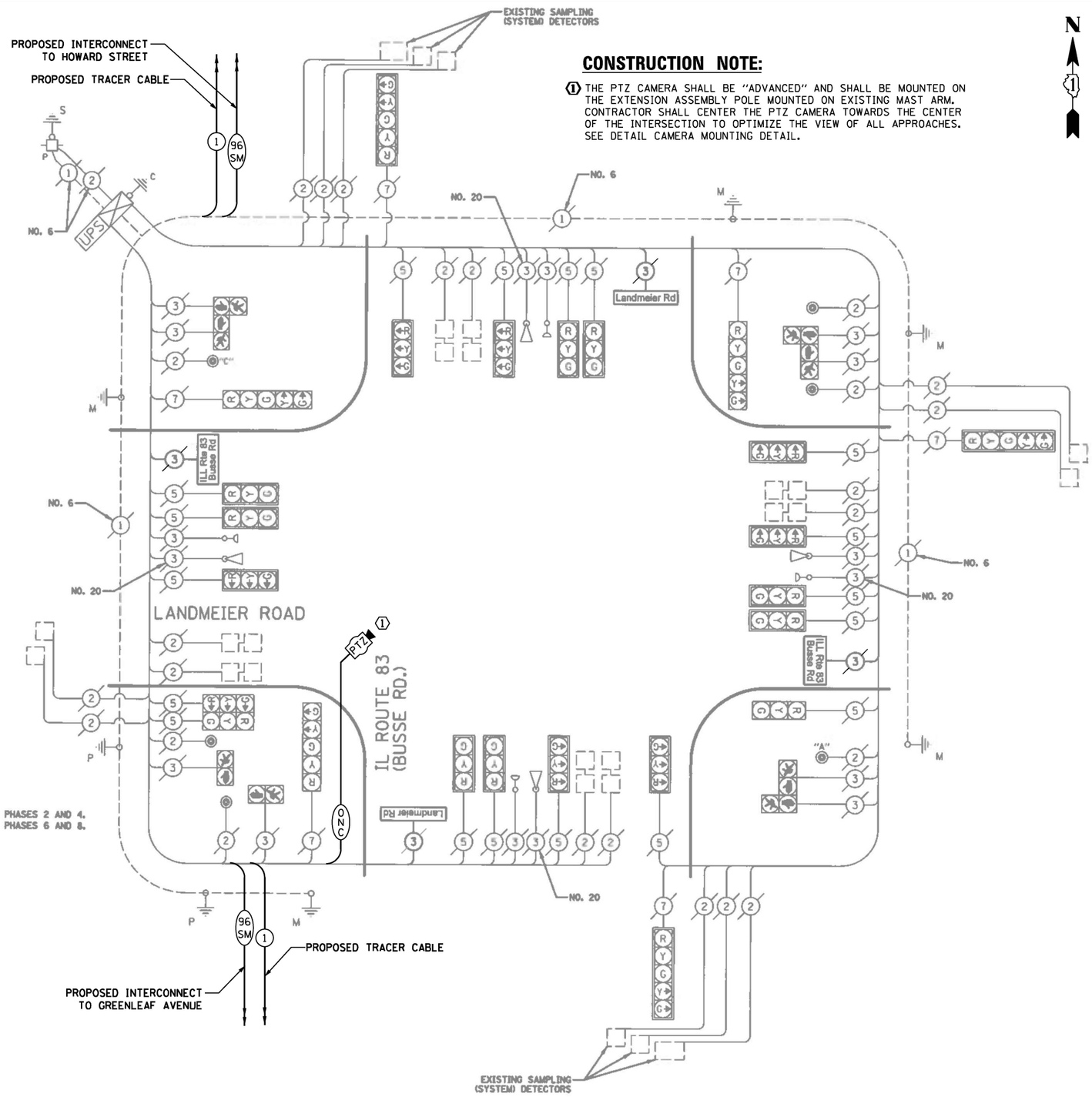
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	189
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	18	11	198
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**596**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1756**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: ELEONOR SARALLO
PHONE: (630) 424-5124
COMPANY: COMED
ACCOUNT NUMBER: ----



CONSTRUCTION NOTE:

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

CABLE PLAN

NOT TO SCALE

LOCATION NO. 36

TS–3460
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 109

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / REAL ALIGNMENT / STRUCTURE NO(TA)NS CH'KD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / REAL ALIGNMENT / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON111_25_CAB_IL83-Landmeier.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 3/24/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (BUSSE ROAD) AND LANDMEIER ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	117
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE 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 BID PRICE.

1 EACH CABINET (COMPLETE)

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

1 EACH CONTROLLER

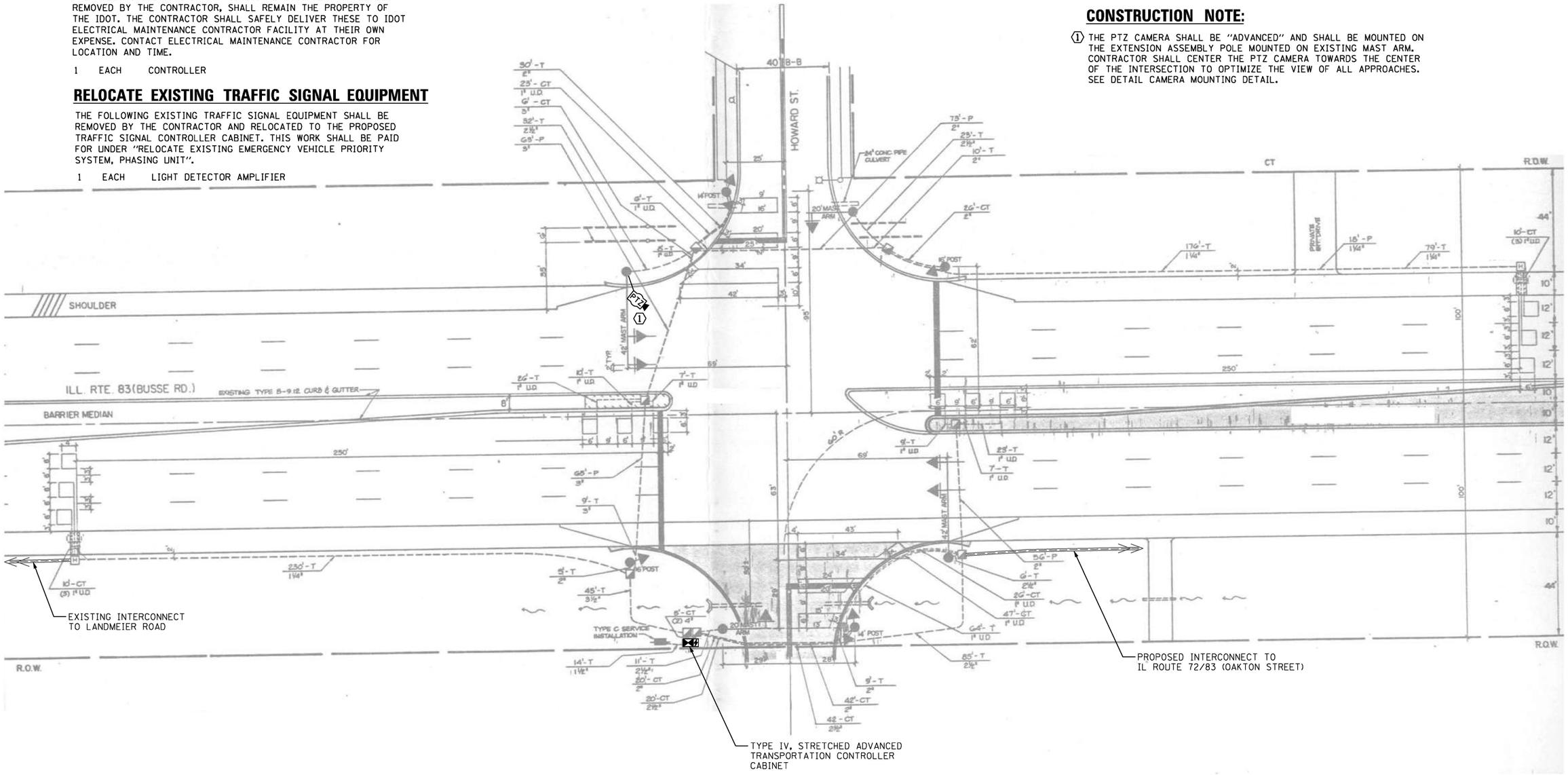
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH LIGHT DETECTOR AMPLIFIER

CONSTRUCTION NOTE:

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



LOCATION NO. 35

TS–12125
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 110

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHKD / STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / AS BUILT NOTES / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON111_26_MOD_IL83-Howard.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND HOWARD STREET

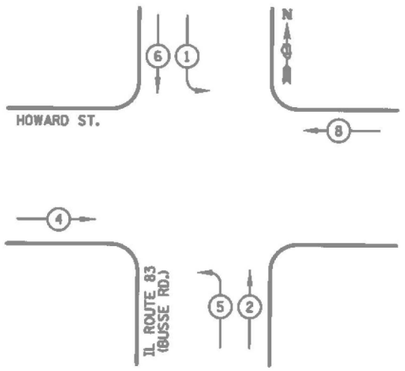
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	118
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

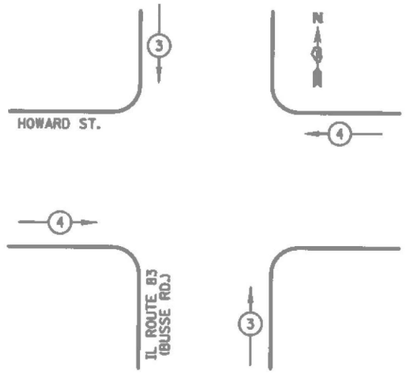
CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN / PROFILE — SURVEYED / PLOTTED / ALIGNMENT CHECKED / ALL ADA MET / CADD FILE NAME / NOTE BOOK / NO. / GRADES CHECKED / R.O.W. MONUMENTED / STRUCTURE NOTATIONS CHK'D / BY / DATE

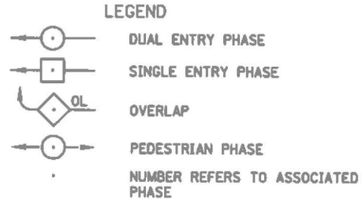
EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



PHASE DESIGNATION DIAGRAM



CONSTRUCTION NOTE:

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

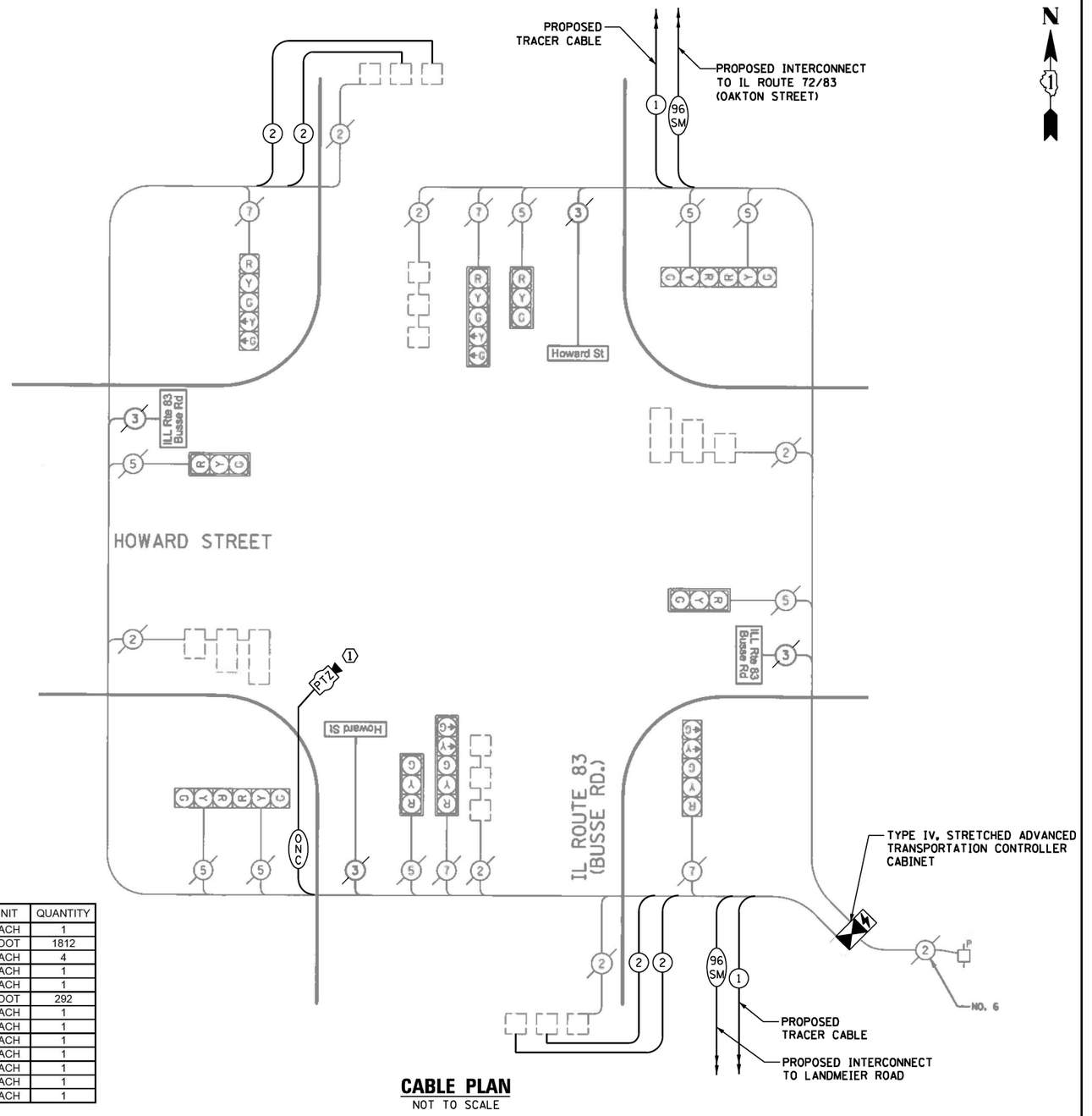
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**340**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1500**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: ELEONOR SARALLO
PHONE: (630) 424-5124
COMPANY: COMED
ACCOUNT NUMBER: ----

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1812
INDUCTIVE LOOP DETECTOR	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	292
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1



CABLE PLAN
NOT TO SCALE

TS SHT NO. 111

LOCATION NO. 35

TS–12125
IDOT CENTRACS
FORMER ECON 111

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarise	DESIGNED - BC	REVISED -	
ECON111_27_CAB_IL83-Howard.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

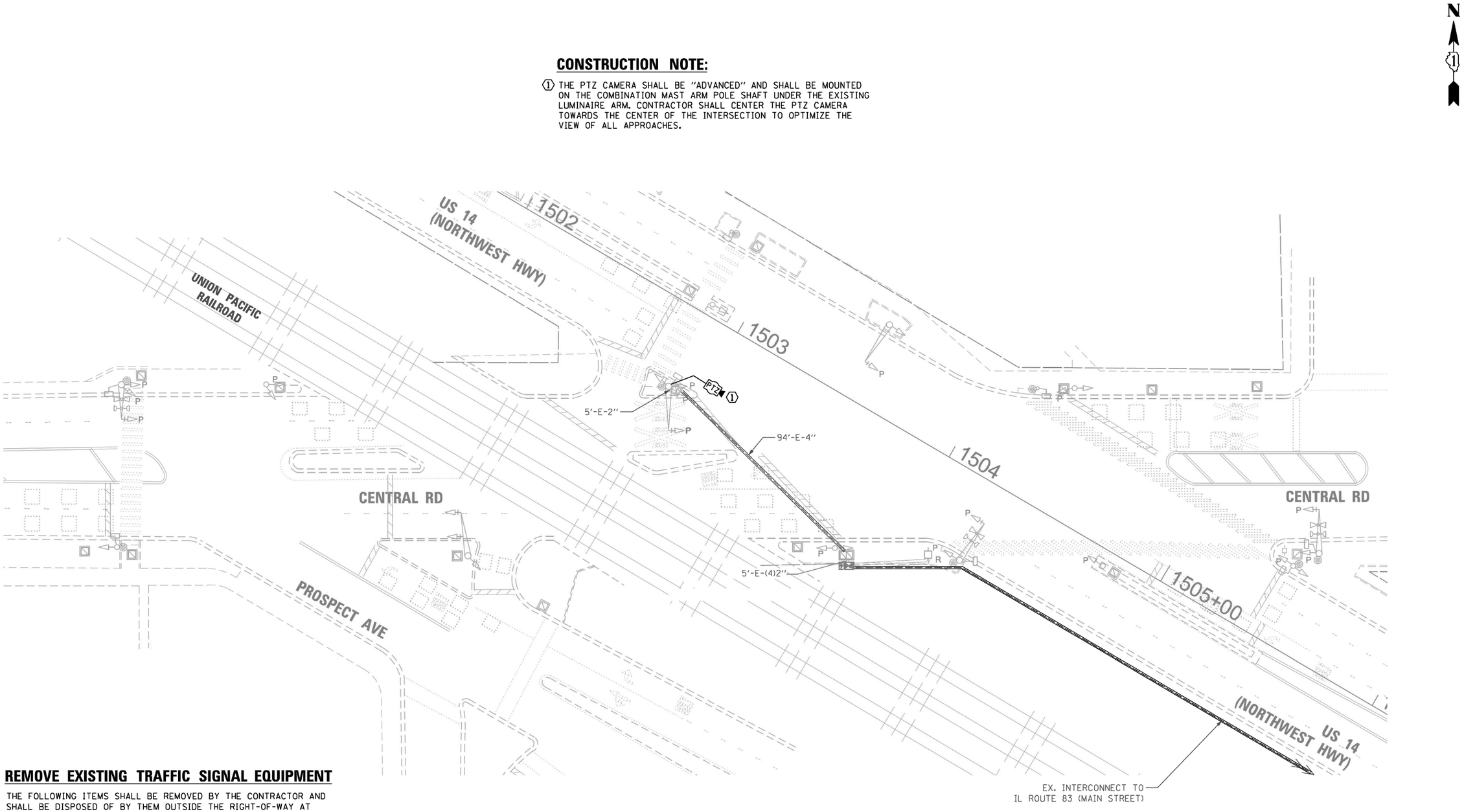
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (BUSSE ROAD) AND HOWARD STREET
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	119
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONSTRUCTION NOTE:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE COMBINATION MAST ARM POLE SHAFT UNDER THE EXISTING LUMINAIRE ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES.



REMOVE 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 BID PRICE.

1 EACH TRANCEIVER FIBER OPTIC

NOTE:

1. WHEN A GRADE CROSSING EXISTS EITHER WITHIN OR IN THE VICINITY OF A TEMPORARY TRAFFIC CONTROL ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT BE PERFORMED IN A MANNER THAT WOULD CAUSE HIGHWAY VEHICLES TO STOP ON THE RAILROAD OR LRT TRACKS, UNLESS A FLAGGER OR UNIFORMED LAW ENFORCEMENT OFFICER IS PROVIDED AT THE GRADE CROSSING TO MINIMIZE THE POSSIBILITY OF HIGHWAY VEHICLES STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE.

TS–9690
IDOT CENTRACS
FORMER ECON 197

LOCATION NO. 63

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 14 (NORTHWEST HIGHWAY)
AND CENTRAL ROAD /PROSPECT AVENUE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

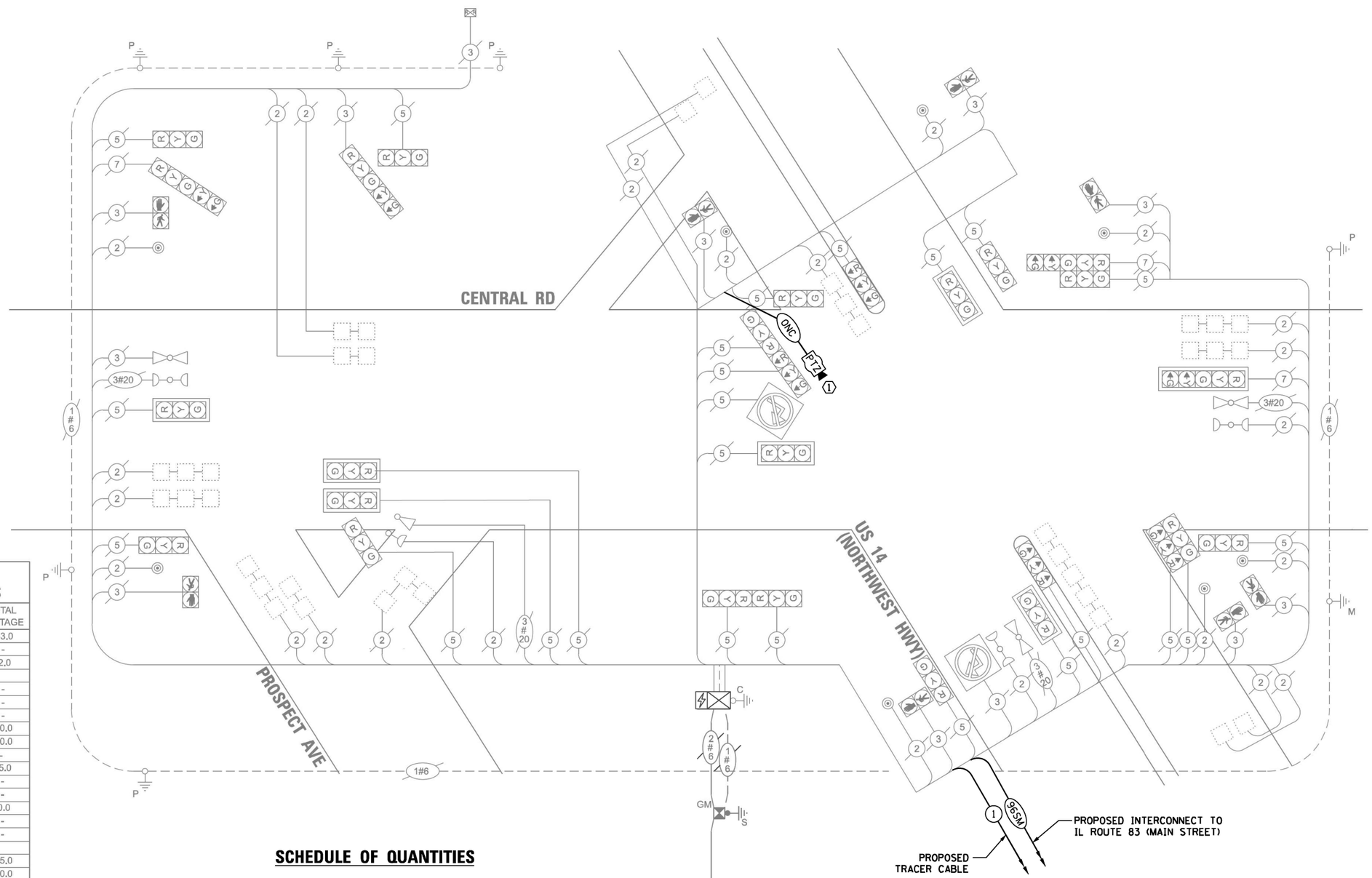
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	120
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
ALIGNMENT CHECKED ____
RT. OF WAY CHECKED ____
CADD FILE NAME ____
BY ____ DATE ____

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
GRADES CHECKED ____
B.M. NOTED ____
STRUCTURE NOTAT'NS CH'KD ____
BY ____ DATE ____

TS SHT NO. 112



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	193
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3 - SECTION	23	11	253.0
	4 - SECTION	-	14	-
	5 - SECTION	4	13	52.0
PROGRAMMABLE SIGNALS				
	3 - SECTION	-	22	-
	4 - SECTION	-	32	-
	5 - SECTION	-	28	-
PED. SIGNAL		8	15	120.0
CONTROLLER		1	150	150.0
MASTER CONTROLLER		-	100	-
UPS		1	25	25.0
DETECTION	RADAR	-	20	-
	VIDEO	-	20	-
BLANK-OUT SIGN		2	25	50.0
NETWORK SWITCH II OR III		-	35	-
CELLULAR MODEM		-	15	-
TOTAL UPS SIZING = 650.0				
UPS CHARGING		1	225	225.0
BATTERY HEATER MAT		1	180	180.0
CABINET HEATER		1	200	200.0
FLASHER		-	15	-
LED STREET NAME SIGN		-	120	-
LUMINAIRE		-	240	-
TOTAL SERVICE WIRE SIZING = 1255.0				

ENERGY COSTS TO:
VILLAGE OF MOUNT PROSPECT
50 S EMERSON ST
MOUNT PROSPECT, IL 60056

ENERGY SUPPLY: CONTACT: JAMES CAMPBELL
PHONE: 630-940-6805
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: - 9673056000

CONSTRUCTION NOTE:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE COMBINATION MAST ARM POLE SHAFT UNDER THE EXISTING LUMINAIRE ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES.

LOCATION NO. 63

TS-9690
IDOT CENTRACS
FORMER ECON 197

TS SHT NO. 113

PLAN: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ BY ___ DATE ___

PROFILE: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTAT'NS CH'KD ___ BY ___ DATE ___

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON197_02_CAB_US14-Central.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

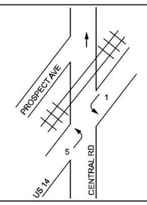
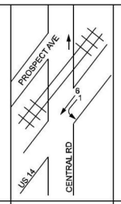
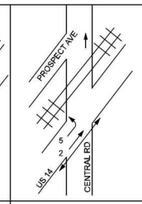
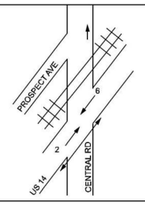
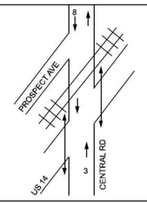
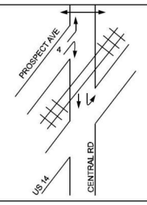
SCHEDULE OF QUANTITIES AND CABLE PLAN
US ROUTE 14 (NORTHWEST HIGHWAY)
AND CENTRAL ROAD /PROSPECT AVENUE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	121
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"SEQUENCE CHART FOR REFERENCE ONLY"

EXISTING SEQUENCE OF OPERATIONS

| MOVEMENT | |  | | | | | | |  | | |  | | | |  | | | | | | |  | | | | | | | |  | | | | | | | |

"SEQUENCE CHART FOR REFERENCE ONLY"

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATIONS

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1		5		7		10		16		20			21		PREEMPTOR NUMBER 3		PREEMPTOR NUMBER 4		PREEMPTOR NUMBER 5		PREEMPTOR NUMBER 6		PREEMPTOR NUMBER 2				
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER																	2		3		4		5						
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTEVAL NUMBER		1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1N	1L	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1B	2	1D	2	1F	2	1H	2	1K	2	1M	1P	1M	1P	2	1R	2	1T	2	1V	2	1X	2	3	4	5		
U.S. RTE. 14 (NORTHWEST HWY.) NEAR RIGHT, FAR RIGHT AND MAST ARM SIGNALS	NW/B	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	G	Δ
U.S. RTE. 14 (NORTHWEST HWY.) FAR LEFT AND MEDIAN SIGNALS	NW/B	←Y	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	Δ
U.S. RTE. 14 (NORTHWEST HWY.) NEAR RIGHT , FAR RIGHT AND MAST ARM SIGNALS	SE/B	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	G	Δ
U.S. RTE. 14 (NORTHWEST HWY.) FAR LEFT AND MEDIAN SIGNALS	SE/B	←Y	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	Δ
CENTRAL ROAD AT U.S. RTE. 14 ALL SIGNALS	W/B	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Δ
CENTRAL ROAD AT U.S. RTE. 14 NEAR AND FAR RIGHT SIGNALS	E/B	R	R	R	R	R	R	R	R	G	G	G	G	G	G	G	R	R	R	R	G	G	G	G	G	Y	R	R	Δ
CENTRAL ROAD AT U.S. RTE. 14 FAR LEFT AND MAST ARM SIGNALS	E/B	R	R	R	R	R	R	R	R	G	G	G ←G	G ←G	G ←G	G ←G	G ←G	R	R	R	R	G	G	G ←G	G ←G	G ←G	Y	R	R	Δ
CENTRAL ROAD AT PROSPECT AVENUE ALL SIGNALS	W/B	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	R	R	R	R	R	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	R	R	↑ G	Y	R	R	Δ
CENTRAL ROAD AT PROSPECT AVENUE ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Δ
PROSPECT AVENUE NEAR RIGHT SIGNAL	NW/B	R	R	R	R	R	R	R	R	R	R	G	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ
PROSPECT AVENUE FAR LEFT AND FAR RIGHT SIGNALS	NW/B	R	R	R	R	R	R	R	R	R	R	G	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R ←G	Δ
PED. SIGNALS X-ING U.S. RTE. 14 ON NORTH SIDE OF CENTRAL ROAD		H	H	H	H	H	H	H	H	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ
PED. SIGNALS X-ING CENTRAL ROAD ON WEST SIDE OF PROSPECT AVENUE		H	H	H	H	H	H	H	H	H	H	**FH	**FH	H	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ
PED. SIGNALS X-ING U.S. RTE. 14 ON SOUTH SIDE OF CENTRAL ROAD		H	H	H	H	H	H	H	H	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ
PED. SIGNALS X-ING CENTRAL ROAD ON EAST SIDE OF U.S. RTE. 14		H	H	H	H	**FH	H	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ
INTERNALLY ILLUMINATED NRT SIGNS		NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	Δ
																											Ⓐ	HOLD	

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

Ⓐ RAILROAD PREEMPTION SEQUENCE SHALL BE CAPABLE OF CYCLING BETWEEN PHASES 1+6 AND 2+6 UNTIL RAILROAD PREEMPTION IS TERMINATED.

NRT = "NO RIGHT TURN" OR

LOCATION NO. 63

TS–9690
IDOT CENTRACS
FORMER ECON 197

TS SHT NO. 115

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN / PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE NO(S)/NS CHKD — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
ECON197_04_SEQ-RR_US14-Central.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

RAILROAD PREEMPTION SEQUENCE OF OPERATION
US ROUTE 14 (NORTHWEST HIGHWAY)
AND CENTRAL ROAD /PROSPECT AVENUE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	123
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"SEQUENCE CHART FOR REFERENCE ONLY"

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATIONS

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1	1	1	1					5	5	5						7	7					7						10			10			10			10					
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTEVAL NUMBER		1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	1HH	1JJ	1KK	1LL	1MM	1NN	1PP	1QQ	1RR
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1B	2	1D	3	1F	4	1H	1J	1K	5	1M	2 or 4	3	1Q	1R	1S	5	2	1V	1W	3 or 4	1Y	1Z	1AA	1BB	5	1DD	1EE	2	1GG	1GG	3	1KK	1LL	4	1NN	1PP	1QQ	1RR	5
U.S. RTE. 14 (NORTHWEST HWY.) NEAR RIGHT, FAR RIGHT AND MAST ARM SIGNALS	NW/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	Y	R	R	R	G	G	G	G	Y	R	G	Y	R	G	Y	R	R	R
U.S. RTE. 14 (NORTHWEST HWY.) FAR LEFT AND MEDIAN SIGNALS	NW/B	←G	←G	←Y	←R	←Y	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←G	←Y	←R	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
U.S. RTE. 14 (NORTHWEST HWY.) NEAR RIGHT , FAR RIGHT AND MAST ARM SIGNALS	SE/B	R	R	R	R	R	R	R	R	R	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	G	Y	R	G	Y	R	R	R
U.S. RTE. 14 (NORTHWEST HWY.) FAR LEFT AND MEDIAN SIGNALS	SE/B	←Y	←R	←G	←G	←Y	←R	←Y	←R	←R	←R	←Y	←R	←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
CENTRAL ROAD AT U.S. RTE. 14 ALL SIGNALS	W/B	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	R	R	R	R	R	R	R	R
CENTRAL ROAD AT U.S. RTE. 14 NEAR AND FAR RIGHT SIGNALS	E/B	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	R	R	R	R	R	R	R	R
CENTRAL ROAD AT U.S. RTE. 14 FAR LEFT AND MAST ARM SIGNALS	E/B	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	R	R	R	R	R	R	R	R
CENTRAL ROAD AT PROSPECT AVENUE ALL SIGNALS	W/B	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	Y	R	↑ G	↑ G	↑ G	↑ G	↑ G	Y	R	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	Y	R	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	Y	R
CENTRAL ROAD AT PROSPECT AVENUE ALL SIGNALS	E/B	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	R	R	R	R	R	R	R	R
PROSPECT AVENUE NEAR RIGHT SIGNAL	NW/B	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	R	R	R	R	R	R	R	R
PROSPECT AVENUE FAR LEFT AND FAR RIGHT SIGNALS	NW/B	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	R	R	R	R	R	R	R	R
PED. SIGNALS X-ING U.S. RTE. 14 ON NORTH SIDE OF CENTRAL ROAD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PED. SIGNALS X-ING CENTRAL ROAD ON WEST SIDE OF PROSPECT AVENUE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PED. SIGNALS X-ING U.S. RTE. 14 ON SOUTH SIDE OF CENTRAL ROAD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PED. SIGNALS X-ING CENTRAL ROAD ON EAST SIDE OF U.S. RTE. 14		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	FH	H	H	FH	H	H	H	H	FH	H	H	FH	H	H	FH	H	H	FH	H	H	H	H

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATIONS

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		16					16	16					20					20				20	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6	
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTEVAL NUMBER		1SS	1TT	1UU	1VV	1WW	1XX	1YY	1ZZ	1AAA	1BBB	1CCC	1DDD	1EEE	1FFF	1GGG	1HHH	1JJJ	1KKK	1LLL	1MMM	1NNN	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1TT	1UU	1VV	1WW	2 or 3	4	1ZZ	1AAA	1B3B	1CCC	5	1EEE	1FFF	1GGG	1HHH	2 or 3	1KKK	1LLL	1MMM	4	5					
U.S. RTE. 14 (NORTHWEST HWY.) NEAR RIGHT, FAR RIGHT AND MAST ARM SIGNALS	NW/B	R	R	R	R	R	R	R	R	F	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	R	◊
U.S. RTE. 14 (NORTHWEST HWY.) FAR LEFT AND MEDIAN SIGNALS	NW/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←R	←R	←R	◊
U.S. RTE. 14 (NORTHWEST HWY.) NEAR RIGHT , FAR RIGHT AND MAST ARM SIGNALS	SE/B	R	R	R	R	R	R	R	R	F	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	◊
U.S. RTE. 14 (NORTHWEST HWY.) FAR LEFT AND MEDIAN SIGNALS	SE/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←R	R	◊
CENTRAL ROAD AT U.S. RTE. 14 ALL SIGNALS	W/B	G	Y	R	R	R	G	G	Y	F	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
CENTRAL ROAD AT U.S. RTE. 14 NEAR AND FAR RIGHT SIGNALS	E/B	G	G	G	Y	R	G	G	G	G	G	G	G	G	G	Y	R	G	G	G	G	G	R	R	G	G	◊
CENTRAL ROAD AT U.S. RTE. 14 FAR LEFT AND MAST ARM SIGNALS	E/B	G	G	G	Y	R	G	G	G	G	G	G	G ←G	G ←G	G ←G	Y	R	G ←G	G ←G	G ←G	G ←Y	G ←G	R	R	G	G ←G	◊
CENTRAL ROAD AT PROSPECT AVENUE ALL SIGNALS	W/B	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	↑ G	Y	R	R	R	R	R	R	R	R	R	R	R	↑ G	↑ G	↑ G	R	◊
CENTRAL ROAD AT PROSPECT AVENUE ALL SIGNALS	E/B	G	Y	R	R	R	G	G	Y	F	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
PROSPECT AVENUE NEAR RIGHT SIGNAL	NW/B	R	R	R	R	R	R	R	R	F	R	R	G	Y	R	R	R	G	Y	R	R	G	R	R	R	G	◊
PROSPECT AVENUE FAR LEFT AND FAR RIGHT SIGNALS	NW/B	R	R	R	R	R	R	R	R	F	R	R	G	Y	R	R	R	G	Y	R	R	G	R	R	R	G	◊
PED. SIGNALS X-ING U.S. RTE. 14 ON NORTH SIDE OF CENTRAL ROAD		FH	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PED. SIGNALS X-ING CENTRAL ROAD ON WEST SIDE OF PROSPECT AVENUE		H	H	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	H	FH	H	H	H	H	◊
PED. SIGNALS X-ING U.S. RTE. 14 ON SOUTH SIDE OF CENTRAL ROAD		FH	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PED. SIGNALS X-ING CENTRAL ROAD ON EAST SIDE OF U.S. RTE. 14		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊

◊ 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 INTERVAL AFTER EMERGENCY VEHICLE 2, 3, 4 OR 5 IS TERMINATED.

LOCATION NO. 63

TS–9690
IDOT CENTRACS
FORMER ECON 197

TS SHT NO. 116

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, BY, DATE, NOTE BOOK, NO.

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, BY, DATE, NOTE BOOK, NO., STRUCTURE NO(S)/FNS CHK'D

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

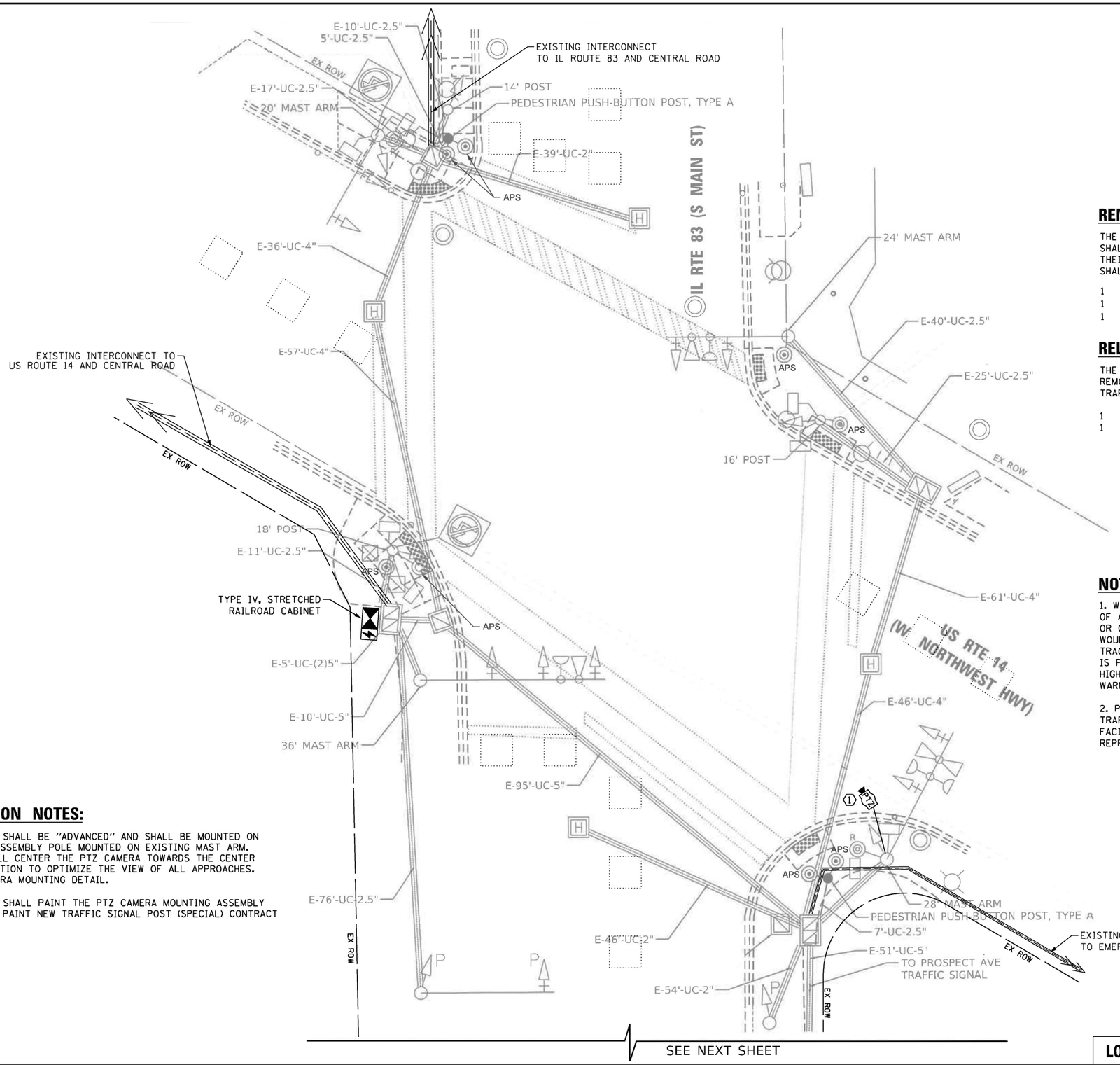
USER NAME = fberiso	DESIGNED - BC	REVISED -	
ECON197_05_SEQ-EVP_US14-Central.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
US ROUTE 14 (NORTHWEST HIGHWAY)
AND CENTRAL ROAD /PROSPECT AVENUE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	124
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REMOVE 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 BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
1	EACH	TELEPHONE LINE (DISCONNECT TELEPHONE SERVICE)
1	EACH	MASTER CONTROLLER

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET.

1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	APS CENTRAL CONTROL UNIT

NOTES:

1. WHEN A GRADE CROSSING EXISTS EITHER WITHIN OR IN THE VICINITY OF A TEMPORARY TRAFFIC CONTROL ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT BE PERFORMED IN A MANNER THAT WOULD CAUSE HIGHWAY VEHICLES TO STOP ON THE RAILROAD OR LRT TRACKS, UNLESS A FLAGGER OR UNIFORMED LAW ENFORCEMENT OFFICER IS PROVIDED AT THE GRADE CROSSING TO MINIMIZE THE POSSIBILITY OF HIGHWAY VEHICLES STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE.

2. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SHOP TEST THE TRAFFIC SIGNAL CONTROLLER AND CABINET AT THE EQUIPMENT VENDOR'S FACILITY IN THE PRESENCE OF IDOT, ICC, AND MANUFACTURER REPRESENTATIVES.

CONSTRUCTION NOTES:

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

(2) THE CONTRACTOR SHALL PAINT THE PTZ CAMERA MOUNTING ASSEMBLY PIPE BLACK, PER PAINT NEW TRAFFIC SIGNAL POST (SPECIAL) CONTRACT SPECIFICATION.

SEE NEXT SHEET

LOCATION NO. 65

TS–9630
IDOT CENTRACS
FORMER ECON 197

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NOTATIONS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / ALL NOTATIONS CHKD — NOTE BOOK — NO. — CADD FILE NAME — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 117

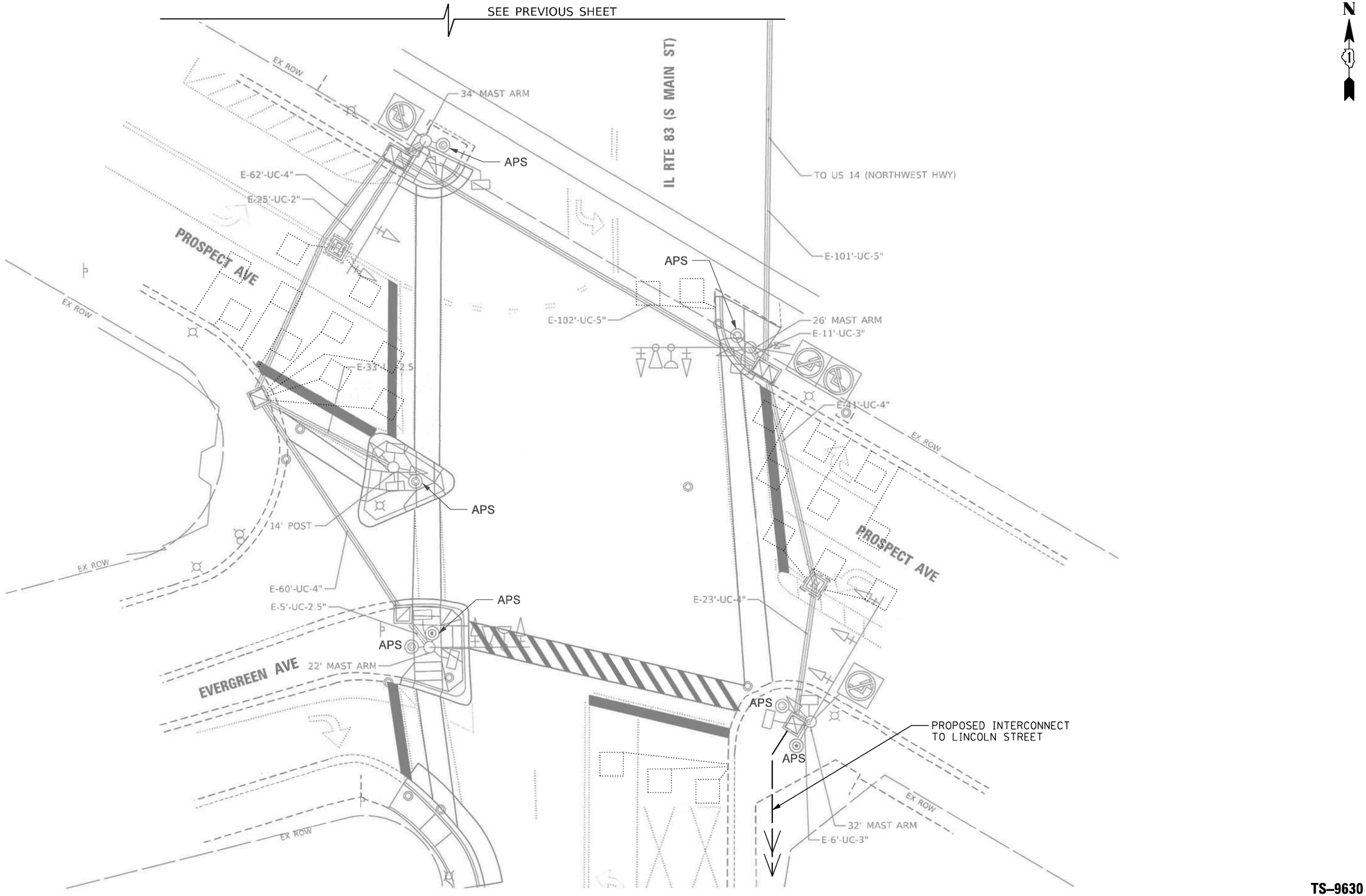
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 20'	CHECKED - EAJ	REVISED -
	PLOT DATE = 3/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 14 (NORTHWEST HIGHWAY) AND
IL ROUTE 83 (MAIN ST)/PROSPECT AVENUE (SHEET 1 OF 2)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	125
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 118

PROFILE		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTAT'NS CH'KD		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	CADD FILE NAME		

TS–9630
IDOT CENTRACS
FORMER ECON 197

LOCATION NO. 65

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 20'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 14 (NORTHWEST HIGHWAY) AND
IL ROUTE 83 (MAIN ST)/PROSPECT AVENUE (SHEET 2 OF 2)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	126
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

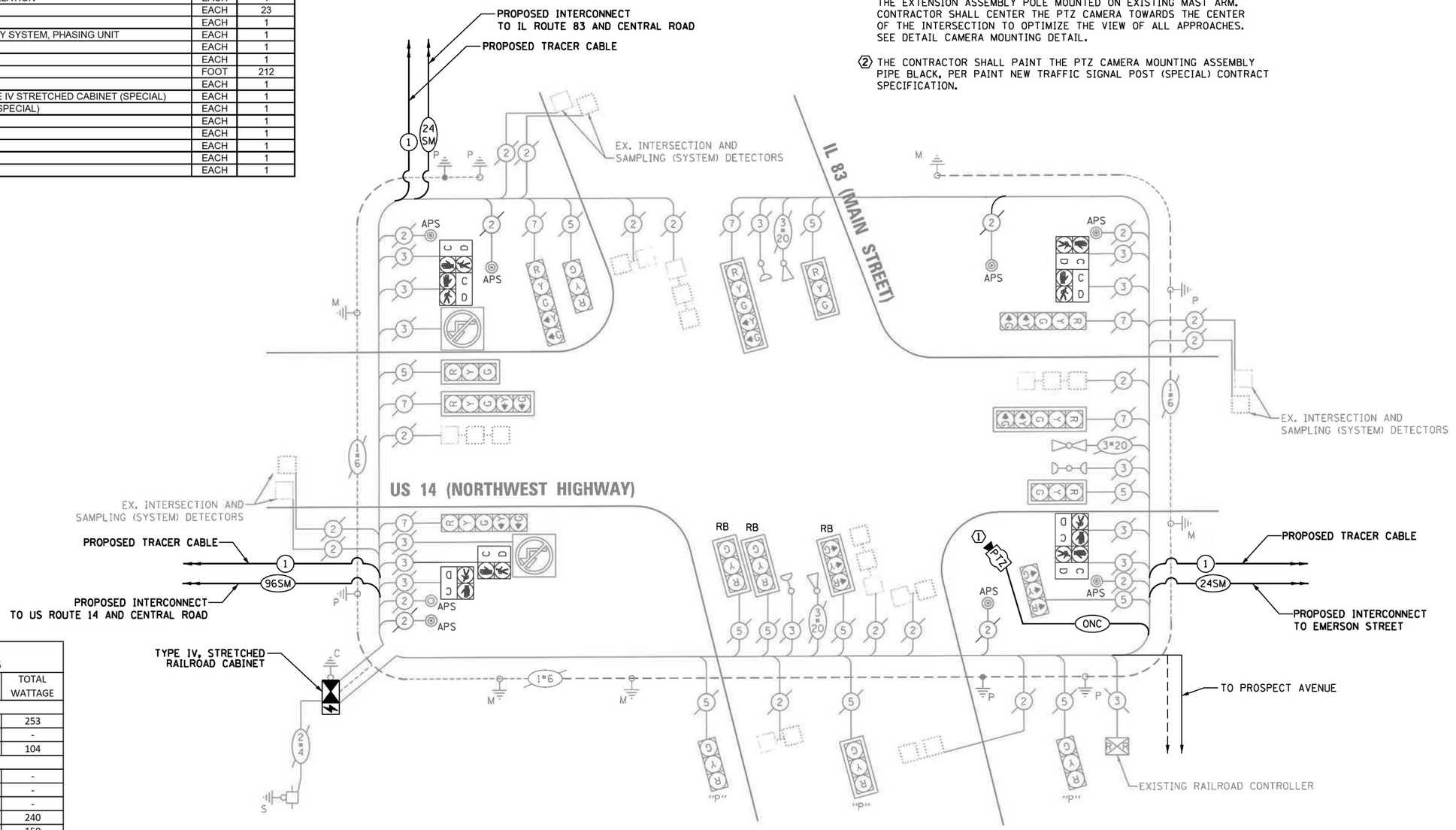
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	23
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	212
PAINT NEW TRAFFIC SIGNAL POST (SPECIAL)	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, DISTRIBUTION	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

CONSTRUCTION NOTES:

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

(2) THE CONTRACTOR SHALL PAINT THE PTZ CAMERA MOUNTING ASSEMBLY PIPE BLACK, PER PAINT NEW TRAFFIC SIGNAL POST (SPECIAL) CONTRACT SPECIFICATION.



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	23	11	253
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	16	15	240
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	6	35	210
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**1007**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1687**

ENERGY COSTS TO:
VILLAGE OF MOUNT PROSPECT
30 S. EMERSON STREET
MOUNT, PROSPECT, IL 60056
ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ----

TS SHT NO. 119

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarisa	DESIGNED - BC	REVISED -
ECON197_08_CAB_US14-Main.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 3/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND CABLE PLAN
US ROUTE 14 (NORTHWEST HIGHWAY) AND
IL ROUTE 83 (MAIN ST)/PROSPECT AVENUE (SHEET 1 OF 2)

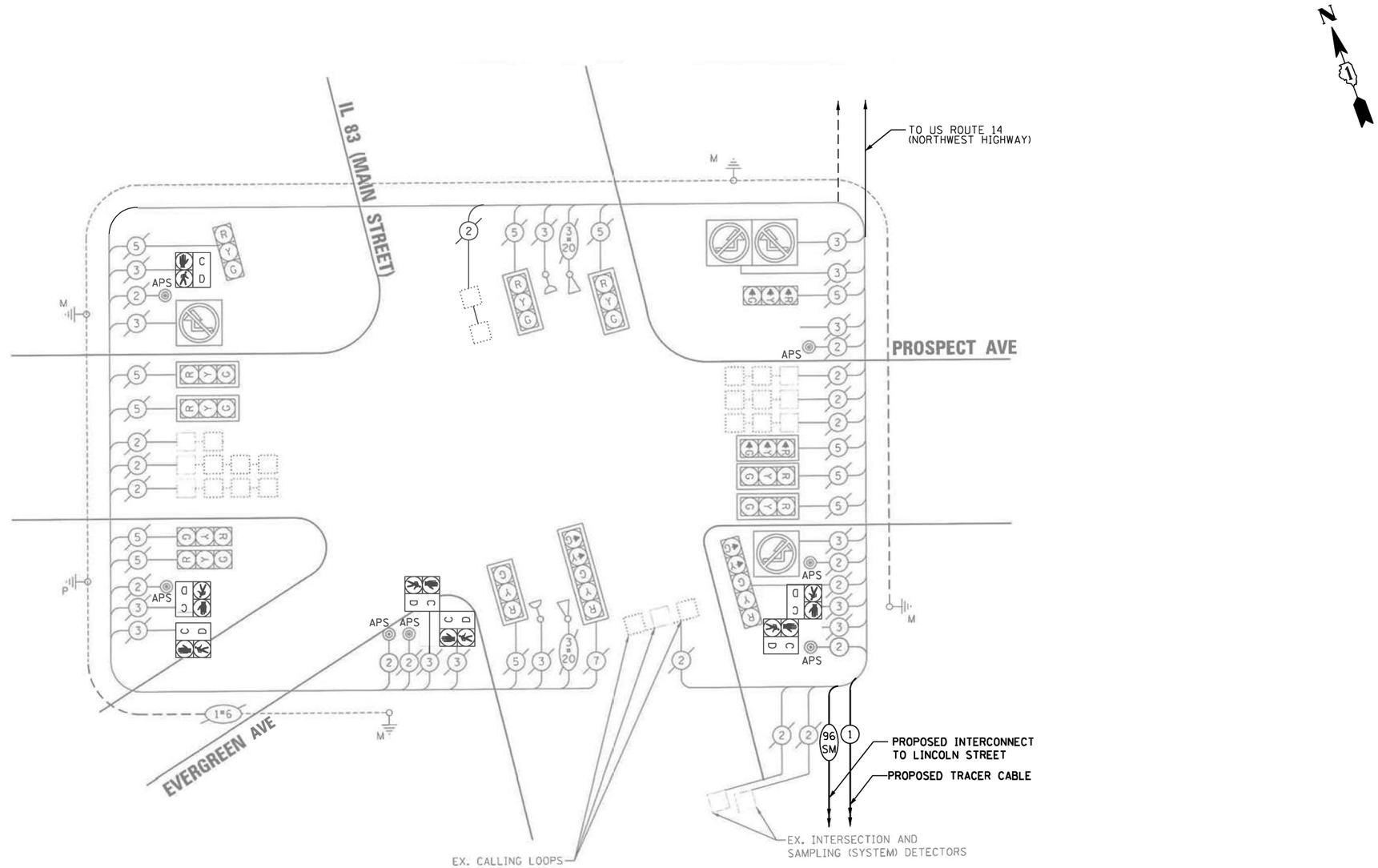
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

LOCATION NO. 65

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	127
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TS–9630
IDOT CENTRACS
FORMER ECON 197

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT VERIFIED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO.
PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, AS BUILT NOTED, CADD FILE NAME, NOTE BOOK, NO.
BY | DATE



CABLE PLAN
(NOT TO SCALE)

TS–9630
IDOT CENTRACS
FORMER ECON 197

LOCATION NO. 65

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON197_09_CAB_IL83-Prospect(Evergreen).dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
US ROUTE 14 (NORTHWEST HIGHWAY) AND
IL ROUTE 83 (MAIN ST)/PROSPECT AVENUE (SHEET 2 OF 2)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	128
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN
NOTE BOOK NO. ____
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME ____
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE
NOTE BOOK NO. ____
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CH'KD
BY
DATE

TS SHT NO. 120

SEQUENCE OF OPERATION **(CONTINUED NEXT SHEET)**

MOVEMENT		1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14A	14B	14C	15A	15B	15C	15D	15E	15F	16	17	18A	18B	19A	19B	19C	19D	19E	19F	20A	20B	21	22	23A	23B	23C	23D	23E	23F	24A	24B	24C	24D
PHASE		1+5				1+6			2+5			2+6																	4+7									4+8										
INTERVAL		1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14A	14B	14C	15A	15B	15C	15D	15E	15F	16	17	18A	18B	19A	19B	19C	19D	19E	19F	20A	20B	21	22	23A	23B	23C	23D	23E	23F	24A	24B	24C	24D
CHANGE TO			1+6	2+5	2+6			2+6			2+6			4+7		4+8			3, 12								4+8		3, 12						1+5 1+6 2+5 2+6				3, 12						2+5, 2+6 1+5, 1+6			
U.S. RTE. 14 (NORTHWEST HWY.) AT ILL. RTE. 83 FAR RIGHT MAST ARM SIGNAL	E/B	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	Y	R	R	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
U.S. RTE. 14 (NORTHWEST HWY.) AT ILL. RTE. 83 END MAST ARM AND FAR LEFT SIGNALS	E/B	R → G	R → Y	R → G	R → Y	R	R	R	G → G	G → G	G → Y	G	G	Y	R	Y	R	R	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
U.S. RTE. 14 (NORTHWEST HWY.) AT ILL. RTE. 83 FAR RIGHT MAST ARM SIGNAL	W/B	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	Y	R	R	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
U.S. RTE. 14 (NORTHWEST HWY.) AT ILL. RTE. 83 END MAST ARM AND FAR LEFT SIGNALS	W/B	R → G	R → G	R → Y	R → Y	G → G	G → G	G → Y	R	R	R	G	G	Y	R	Y	R	R	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
ILL. RTE. 83 (MAIN ST.) AT U.S. RTE. 14 FAR RIGHT MAST ARM SIGNAL	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G → G	G → G	G → G	R	R	R	R	R	R	R	G	G → G	G → G	G → G	R	R	G	G	G	G	G → G	G → G	G → G	G → G	G	G	Y	R
ILL. RTE. 83 (MAIN ST.) AT U.S. RTE. 14 END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G → G	G → G	G → G	R	R	R	R	R	R	R	G	G → G	G → G	G → G	R	R	G	G	Y	R	R	R	R	R	Y	R	R	R
ILL. RTE. 83 (MAIN ST.) AT U.S. RTE. 14 NEAR RIGHT, FAR MID AND RIGHT MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y → R	Y → R	R → R	R → R	R → R	R → R	R → R	Y → R	R → R	G → G	G → G	Y → R	R → R	R → R	R → R	R → R	Y → R	R → R	R → R
ILL. RTE. 83 (MAIN ST.) AT U.S. RTE. 14 END MAST ARM AND FAR LEFT SIGNALS	S/B	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	R → R	R → R	R → R	R → R	R → R	R → R	R → R	G → G	G → G	G → G	Y → R	R → R	R → R	R → R	R → R	R → R	R → R	Y → R	R → R	G → G	G → G	Y → R	R → R	R → R	R → R	G → G	G → G	G → G	G → G
ILL. RTE. 83 (MAIN STJ (NORTH OF TRACKS)) OPTICALLY PROGRAMMED SIGNALS	S/B	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	Y	R	R	R	G	G	G	G	G	G	Y	R	R	R	G	G	G	G	G	G	Y	R	R	R	G	G	G
PROSPECT AVE. AT ILL. RTE. 83 (MAIN STJ NEAR RIGHT, FAR MID AND RIGHT MAST ARM SIGNALS	E/B	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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PROSPECT AVE. AT ILL. RTE. 83 (MAIN STJ END MAST ARM AND FAR LEFT SIGNALS	E/B	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	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	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
PROSPECT AVE. AT ILL. RTE. 83 (MAIN STJ ALL SIGNALS	W/B	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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (MAIN STJ AT PROSPECT AVENUE ALL SIGNALS	N/B	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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (MAIN STJ AT PROSPECT AVE. FAR RIGHT MAST ARM SIGNAL	S/B	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	Y	R	G	G	G	G	G	G	G	Y	R	G	G	G	G	G	G	G	G	Y	R	G	G	G	G
ILL. RTE. 83 (MAIN STJ AT PROSPECT AVE. END MAST ARM AND FAR LEFT SIGNALS	S/B	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → G	G → Y	G → G	G → G	G → G	G → G	Y	R	G → G	G → G	G → Y	G	G → G	G → G	G → G	G → G	Y	R	G → G	G → G	G	G	G	G	G → G	G → G	Y	R	G	G	G	G
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON NORTH SIDE OF U.S. RTE. 14		H	H	H	H	•P	**FH	H	H	H	H	•P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON SOUTH SIDE OF U.S. RTE. 14		H	H	H	H	H	H	H	•P	**FH	H	•P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON EAST SIDE OF ILL. RTE. 83		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON WEST SIDE OF ILL. RTE. 83		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	•P	**FH	H	H	H	H	H	H	H	H	•P	**FH	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON SOUTH SIDE OF PROSPECT AVENUE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING PROSPECT AVENUE ON EAST SIDE OF ILL. RTE. 83		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	•P	**FH	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING PROSPECT AVENUE ON WEST SIDE OF ILL. RTE. 83		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	•P	**FH	H	H	H	H	H	H	H	H	•P	**FH	H	H	H	H	H	H	H	H	H	H	H	H

* TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION

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

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

⊖ THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING "DON'T WALK" INTERVALS. "WALK" AND FLASHING "DON'T WALK" TIMINGS TO BE SET ONLY ON PHASES WHERE "WALK" AND FLASHING "DON'T WALK" ARE INDICATED IN THE SEQUENCE OF OPERATION.

PHASE 2+6 SHALL BE PLACED ON RECALL

LOCATION NO. 65

TS–9630
IDOT CENTRACS
FORMER ECON 197

TS SHT NO. 121

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATIONS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTED — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
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CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	ECON197_10_SEQ_US14-IL83.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

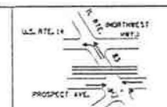
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORMAL SEQUENCE OF OPERATION
US ROUTE 14 (NORTHWEST HIGHWAY) AND
IL ROUTE 83 (MAIN ST)/PROSPECT AVENUE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	129
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEQUENCE OF OPERATION (CONTINUED)

MOVEMENT														FLASH
PHASE		3						12						
INTERVAL		25	26A	26B	27A	27B	27C	27D	28	29	30A	30B	30C	30D	
CHANGE TO			12			1+5 2+5 1+6 2+6					1+5, 1+6 2+5, 2+6				
U.S. RTE. 14 (NORTHWEST HWY.) AT ILL. RTE. 83 FAR RIGHT MAST ARM SIGNAL	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R
U.S. RTE. 14 (NORTHWEST HWY.) AT ILL. RTE. 83 END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R
U.S. RTE. 14 (NORTHWEST HWY.) AT ILL. RTE. 83 FAR RIGHT MAST ARM SIGNAL	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R
U.S. RTE. 14 (NORTHWEST HWY.) AT ILL. RTE. 83 END MAST ARM AND FAR LEFT SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (MAIN ST.) AT U.S. RTE. 14 FAR RIGHT MAST ARM SIGNAL	N/B	G	G	G	G	G	Y	R	G	G	G	G	Y	R	R
ILL. RTE. 83 (MAIN ST.) AT U.S. RTE. 14 END MAST ARM AND FAR LEFT SIGNALS	N/B	G → G	G → G	G → G	G → G	G → G	Y	R	G → G	G → G	G → G	G → G	Y	R	R
ILL. RTE. 83 (MAIN ST.) AT U.S. RTE. 14 NEAR RIGHT, FAR MID AND RIGHT MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (MAIN ST.) AT U.S. RTE. 14 END MAST ARM AND FAR LEFT SIGNALS	S/B	← R	← R	← R	← R	← R	← R	← R	← R	← R	← R	← R	← R	← R	← R
ILL. RTE. 83 (MAIN ST.) (NORTH OF TRACKS) OPTICALLY PROGRAMMED SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PROSPECT AVE. AT ILL. RTE. 83 (MAIN ST.) NEAR RIGHT, FAR MID AND RIGHT MAST ARM SIGNALS	E/B	G	G	G	Y	R	R	R	G	G	Y	R	R	R	R
PROSPECT AVE. AT ILL. RTE. 83 (MAIN ST.) END MAST ARM AND FAR LEFT SIGNALS	E/B	← G	← Y	← R	← Y	← R	← R	← R	← R	← R	← R	← R	← R	← R	← R
PROSPECT AVE. AT ILL. RTE. 83 (MAIN ST.) ALL SIGNALS	W/B	R	R	R	R	R	R	R	G	G	Y	R	R	R	R
ILL. RTE. 83 (MAIN ST.) AT PROSPECT AVENUE ALL SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (MAIN ST.) AT PROSPECT AVE. FAR RIGHT MAST ARM SIGNAL	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (MAIN ST.) AT PROSPECT AVE. END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON NORTH SIDE OF U.S. RTE. 14		H	H	H	H	H	H	H	H	H	H	H	H	H	D
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON SOUTH SIDE OF U.S. RTE. 14		H	H	H	H	H	H	H	H	H	H	H	H	H	A
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON EAST SIDE OF ILL. RTE. 83		H	H	H	H	H	H	H	H	H	H	H	H	H	R
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON WEST SIDE OF ILL. RTE. 83		H	H	H	H	H	H	H	H	H	H	H	H	H	K
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON SOUTH SIDE OF PROSPECT AVENUE		H	H	H	H	H	H	H	*P	**FH	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING PROSPECT AVENUE ON EAST SIDE OF ILL. RTE. 83		H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING PROSPECT AVENUE ON WEST SIDE OF ILL. RTE. 83		H	H	H	H	H	H	H	H	H	H	H	H	H	

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

NLT = "NO LEFT TURN" OR

NRT = "NO RIGHT TURN" OR

RAILROAD PREEMPTION SEQUENCE OF OPERATION

| | | | | | | | | | | | PREEMPTOR NUMBER 3 | PREEMPTOR NUMBER 4 | PREEMPTOR NUMBER 5 | PREEMPTOR NUMBER 2 | | | | | | | | | | |

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION (CONTINUED NEXT SHEET)

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1	1	5	5	5	8	8	8	11	11	11	16	16	16
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1A	1B 1C 1D 1E	1F 1G 1H 1J	1K 1L 1M 1N	1P 1Q 1R 1S	1T 1U 1V 1W	1X 1Y 1Z 1AA	1BB 1CC 1DD 1EE	1FF 1GG 1HH	1JJ 1KK 1LL 1MM				
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		2 OR 4	1C 4 1E 2	1G 1H 3	1K 1L 1M 4	1P 2 1R 1S 3	1U 1V 1W 4	2 1Z 1AA 3	1CC 1DD 1EE 4	1GG 1HH 2	3 1LL 1MM 4				
U.S. RTE. 14 AT ILL. RTE. 83 FAR RIGHT MAST ARM SIGNAL	E/B	R	R R R R	R R R R	R R R R	G G G Y R	G Y R R	G	G Y R	G Y R R	R R R R	R R R R			
U.S. RTE. 14 AT ILL. RTE. 83 END MAST ARM AND FAR LEFT SIGNALS	E/B	R ◄Y	R ◄Y R R	R R R R	R R R R	C ◄G G ◄Y G ◄G Y R	G Y R R	G	G Y R	G Y R R	R R R R	R R R R			
U.S. RTE. 14 AT ILL. RTE. 83 FAR RIGHT MAST ARM SIGNAL	W/B	R	R R G G	G Y R G	Y R R R	R R R R	R R R R	G	G Y R	G Y R R	R R R R	R R R R			
U.S. RTE. 14 AT ILL. RTE. 83 END MAST ARM AND FAR LEFT SIGNALS	W/B	R ◄Y	R ◄Y R G ◄G	G Y R G ◄G	Y R R R	R R R R	R R R R	G	G Y R	G Y R R	R R R R	R R R R			
ILL. RTE. 83 AT U.S. RTE. 14 FAR RIGHT MAST ARM SIGNAL	N/B	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 R	R R R R			
ILL. RTE. 83 AT U.S. RTE. 14 END MAST ARM AND FAR LEFT SIGNALS	N/B	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 R	R R R R			
ILL. RTE. 83 (MAIN ST.) AT U.S. RTE. 14 NEAR RIGHT, FAR MID AND RIGHT MAST ARM SIGNALS	S/B	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 R	G Y R G			
ILL. RTE. 83 AT U.S. RTE. 14 END MAST ARM AND FAR LEFT SIGNALS	S/B	◄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 ◄R	◄G ◄Y ◄R ◄G			
ILL. RTE. 83 (NORTH OF TRACKS) OPTICALLY PROGRAMMED SIGNALS	S/B	G	G G G G	G G G G	G G G G	G G G G	G G G G	G	G G G	G G G G	G G G G	G G G G			
PROSPECT AVE. AT ILL. RTE. 83 (MAIN ST.) NEAR RIGHT, FAR MID AND RIGHT MAST ARM SIGNALS	E/B	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 R	R R R R			
PROSPECT AVE. AT ILL. RTE. 83 (MAIN ST.) END MAST ARM AND FAR LEFT SIGNALS	E/B	◄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 ◄R	◄R ◄R ◄R ◄R			
PROSPECT AVE. AT ILL. RTE. 83 ALL SIGNALS	W/B	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 R	R R R R			
ILL. RTE. 83 AT PROSPECT AVENUE ALL SIGNALS	N/B	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 R	R R R R			
ILL. RTE. 83 AT PROSPECT AVE. FAR RIGHT MAST ARM SIGNAL	S/B	G	G G G G	G G G G	G G G G	G G G G	G G G G	G	G G G	G G G G	G G G G	G G G G			
ILL. RTE. 83 AT PROSPECT AVE. END MAST ARM AND FAR LEFT SIGNALS	S/B	G ◄G	G ◄G G ◄Y	G ◄G G ◄G	G ◄G G ◄G	G ◄G G ◄G	G ◄G G ◄Y	G	G ◄G G ◄G	G ◄G G ◄G	G ◄G G ◄Y	G ◄G G ◄G			
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON NORTH SIDE OF U.S. RTE. 14		H	H H FH H	FH H H H	FH H H H	H H H H	H H H H	FH	FH H H	FH H H H	H H H H	H H H H			
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON SOUTH SIDE OF U.S. RTE. 14		H	H H H H	H H H H	H FH H H	FH H FH H	H FH H H	FH	FH H H	FH H H H	H H H H	H H H H			
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON EAST SIDE OF ILL. RTE. 83		H	H H H H	H H H H	H H H H	H H H H	H H H H	H	H H H	H H H H	H H H H	H H H H			
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON WEST SIDE OF ILL. RTE. 83		H	H H H H	H H H H	H H H H	H H H H	H H H H	H	H H H	H H H H	FH H H FH	FH H H H			
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON SOUTH SIDE OF PROSPECT AVENUE		H	H H H H	H H H H	H H H H	H H H H	H H H H	H	H H H	H H H H	H H H H	H H H H			
PEDESTRIAN SIGNALS CROSSING PROSPECT AVENUE ON EAST SIDE OF ILL. RTE. 83		H	H H H H	H H H H	H H H H	H H H H	H H H H	H	H H H	H H H H	H H H H	H H H H			
PEDESTRIAN SIGNALS CROSSING PROSPECT AVENUE ON WEST SIDE OF ILL. RTE. 83		H	H H H H	H H H H	H H H H	H H H H	H H H H	H	H H H	FH H H	FH FH H H				

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

LOCATION NO. 65

TS–9630
IDOT CENTRACS
FORMER ECON 197

TS SHT NO. 123

PROFILE — SURVEYED — PLOTTED — GRADES CHECKED — R/W & LIMITS CHECKED — STRUCTURE NO(S)/PNS CHK'D — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — R/W & LIMITS CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
ECON197_12_SEQ-EVP_US14-IL83.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
US ROUTE 14 (NORTHWEST HIGHWAY) AND
IL ROUTE 83 (MAIN ST)/PROSPECT AVENUE (SHEET 1 OF 2)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	131
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	21					21					21	25				25	29					28			PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1NN	1PP	1QQ	1RR	1SS	1TT	1UU	1VV	1WW	1XX	1YY	1ZZ	1AAA	1BBB	1CCC	1DDD	1EEE	1FFF	1GGG	1HHH	1JJJ	1KKK	1LLL	1MMM	1NNN	2	3	4	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1PP	1QQ	1RR	1SS	2	1UU	1VV	1WW	1XX	3	4	1AAA	1BBB	1CCC	2 OR 1	1EEE	4	1GGG	1HHH	1JJJ	1KKK	2 OR 3	1MMM	1NNN	4				
U.S. RTE. 14 AT ILL. RTE. 83 FAR RIGHT MAST ARM SIGNAL E/B	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	G	R	R	◊
U.S. RTE. 14 AT ILL. RTE. 83 END MAST ARM AND FAR LEFT SIGNALS E/B	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	G	R	R	◊
U.S. RTE. 14 AT ILL. RTE. 83 FAR RIGHT MAST ARM SIGNAL W/B	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	G	R	R	◊
U.S. RTE. 14 AT ILL. RTE. 83 END MAST ARM AND FAR LEFT SIGNALS W/B	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	G	R	R	◊
ILL. RTE. 83 AT U.S. RTE. 14 FAR RIGHT MAST ARM SIGNAL N/B	G	G	G	Y	R	G	G	G	Y	R	G	G	G	Y	R	G	G	G	G	G	Y	R	G	G	G	R	R	G	◊
ILL. RTE. 83 AT U.S. RTE. 14 END MAST ARM AND FAR LEFT SIGNALS N/B	G	G	G	Y	R	G	G	G	Y	R	G	G→G	G→G	Y	R	G→Y	G	G→G	G→G	G→G	Y	R	G→G	G→Y	G	R	R	G	◊
ILL. RTE. 83 (MAIN ST.) AT U.S. RTE. 14 NEAR RIGHT, FAR MID AND RIGHT MAST ARM SIGNALS S/B	G	Y	R	R	R	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	◊
ILL. RTE. 83 AT U.S. RTE. 14 END MAST ARM AND FAR LEFT SIGNALS S/B	→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	→G	→R	◊
ILL. RTE. 83 (NORTH OF TRACKS) OPTICALLY PROGRAMMED SIGNALS S/B	G	G	G	G	G	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	◊
PROSPECT AVE. AT ILL. RTE. 83 (MAIN ST.) NEAR RIGHT, FAR MID AND RIGHT MAST ARM SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	Y	R	G	Y	R	R	R	G	Y	R	R	R	R	◊
PROSPECT AVE. AT ILL. RTE. 83 (MAIN ST.) END MAST ARM AND FAR LEFT SIGNALS E/B	→R	→R	→R	→R	→R	→R	→R	→R	→R	→R	→R	→Y	→R	→R	→R	→Y	→R	→R	→R	→R	→R	→R	→R	→R	→R	→R	→R	→R	◊
PROSPECT AVE. AT ILL. RTE. 83 ALL SIGNALS W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	Y	R	R	R	G	Y	R	R	R	R	◊
ILL. RTE. 83 AT PROSPECT AVENUE ALL SIGNALS N/B	G	Y	R	R	R	G	Y	R	R	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	◊
ILL. RTE. 83 AT PROSPECT AVE. FAR RIGHT MAST ARM SIGNAL S/B	G	G	G	G	G	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	◊
ILL. RTE. 83 AT PROSPECT AVE. END MAST ARM AND FAR LEFT SIGNALS S/B	G	G	G	G	G	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G→G	G→G	G	◊
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON NORTH SIDE OF U.S. RTE. 14	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON SOUTH SIDE OF U.S. RTE. 14	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON EAST SIDE OF ILL. RTE. 83	FH	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON WEST SIDE OF ILL. RTE. 83	FH	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING ILL. RTE. 83 ON SOUTH SIDE OF PROSPECT AVENUE	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING PROSPECT AVENUE ON EAST SIDE OF ILL. RTE. 83	FH	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING PROSPECT AVENUE ON WEST SIDE OF ILL. RTE. 83	FH	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊

◊ 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 INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3 OR 4 IS TERMINATED.

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

LOCATION NO. 65

TS–9630
IDOT CENTRACS
FORMER ECON 197

TS SHT NO. 124

PROFILE | SURVEYED | PLOTTED | GRADES CHECKED | R.O.W. STAKED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | BY | DATE

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | R.O.W. STAKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500

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9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

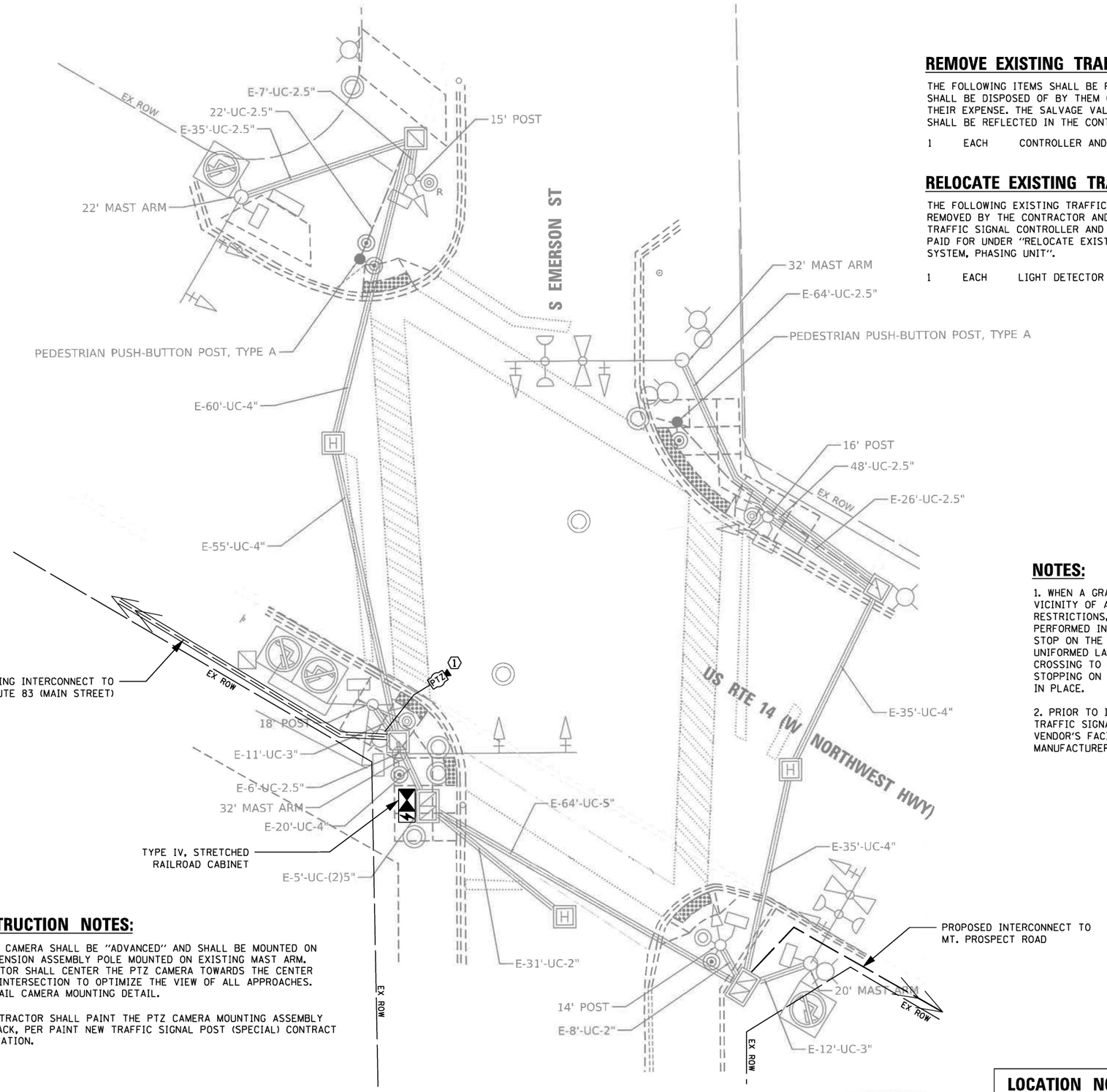
USER NAME = fberiso	DESIGNED - BC	REVISED -	
ECON197_13_SEQ-EVP2_US14-IL83.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
US ROUTE 14 (NORTHWEST HIGHWAY) AND
IL ROUTE 83 (MAIN ST)/PROSPECT AVENUE (SHEET 2 OF 2)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	132
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REMOVE 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 BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH LIGHT DETECTOR AMPLIFIER

NOTES:

1. WHEN A GRADE CROSSING EXISTS EITHER WITHIN OR IN THE VICINITY OF A TEMPORARY TRAFFIC CONTROL ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT BE PERFORMED IN A MANNER THAT WOULD CAUSE HIGHWAY VEHICLES TO STOP ON THE RAILROAD OR LRT TRACKS, UNLESS A FLAGGER OR UNIFORMED LAW ENFORCEMENT OFFICER IS PROVIDED AT THE GRADE CROSSING TO MINIMIZE THE POSSIBILITY OF HIGHWAY VEHICLES STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE.

2. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SHOP TEST THE TRAFFIC SIGNAL CONTROLLER AND CABINET AT THE EQUIPMENT VENDOR'S FACILITY IN THE PRESENCE OF IDOT, ICC, AND MANUFACTURER REPRESENTATIVES.

CONSTRUCTION NOTES:

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

2. THE CONTRACTOR SHALL PAINT THE PTZ CAMERA MOUNTING ASSEMBLY PIPE BLACK, PER PAINT NEW TRAFFIC SIGNAL POST (SPECIAL) CONTRACT SPECIFICATION.

LOCATION NO. 66

TS–9640
IDOT CENTRACS
FORMER ECON 197

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 20'	CHECKED - EAJ	REVISED -
	PLOT DATE = 3/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 14 (NORTHWEST HIGHWAY) AND EMERSON STREET

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	133
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD — NOTE BOOK NO. — BY — DATE

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

TS SHT NO. 125

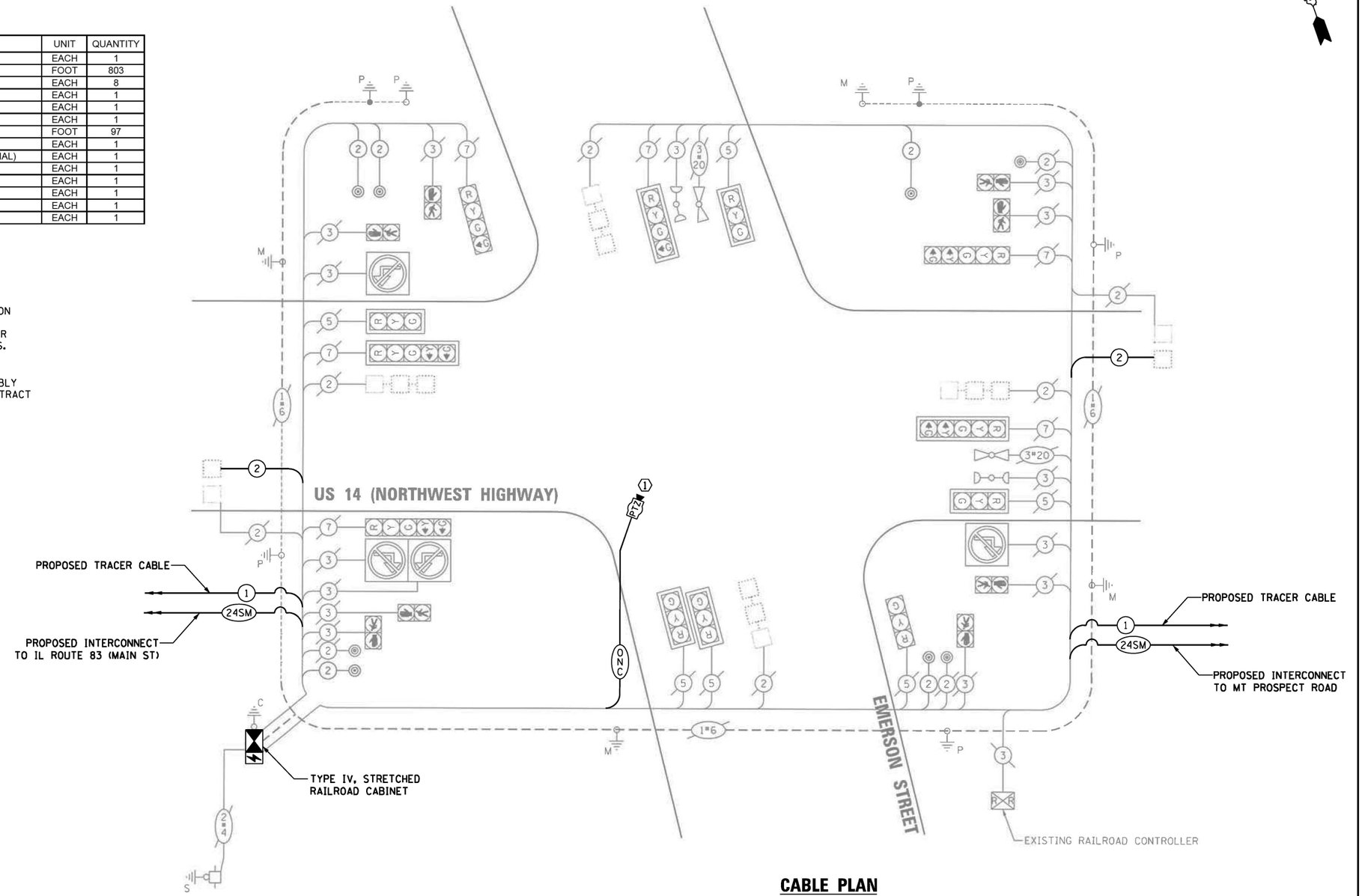
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	803
INDUCTIVE LOOP DETECTOR	EACH	8
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	97
PAINT NEW TRAFFIC SIGNAL POST (SPECIAL)	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

CONSTRUCTION NOTES:

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

2. THE CONTRACTOR SHALL PAINT THE PTZ CAMERA MOUNTING ASSEMBLY PIPE BLACK, PER PAINT NEW TRAFFIC SIGNAL POST (SPECIAL) CONTRACT SPECIFICATION.



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	6	11	66
4-SECTION	2	14	28
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	4	35	140
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**606**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1286**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: MR. SAM THOMAS
PHONE: (630) 691-4456
COMPANY: COMED
ACCOUNT NUMBER: ----

LOCATION NO. 66

TS–9640
IDOT CENTRACS
FORMER ECON 197

TS SHT NO. 126

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarso	DESIGNED - BC	REVISED -	
ECON197_15_CAB_US14-Emerson.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 3/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND CABLE PLAN
US ROUTE 14 (NORTHWEST HIGHWAY) AND EMERSON STREET

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	134
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT VERIFIED, STRUCTURE NOTATNS CHKD — NOTE BOOK NO. ____ — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, AS BUILT REVISED, CADD FILE NAME ____ — NOTE BOOK NO. ____ — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

SEQUENCE OF OPERATION

MOVEMENT		5→1				6→1			5→2			2→6				4→8				F
PHASE		1 + 5				1 + 6			2 + 5			2 + 6				4 + 8				L
INTERVAL		1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16A	16B	A
CHANGE TO			1+6	2+5	2+6	◇	◇	2+6	◇	◇	2+6			4+8				1+5 1+6 2+5 2+6		S
U.S. RTE. 14 (NORTHWEST HWY.) FAR RIGHT MAST ARM SIGNAL	E/B	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R
U.S. RTE. 14 (NORTHWEST HWY.) END MAST ARM AND FAR LEFT SIGNALS	E/B	R →G	R →Y	R →G	R →Y	R	R	R	G →G	G →G	G →Y	G	G	Y	R	R	R	R	R	R
U.S. RTE.14 (NORTHWEST HWY.) FAR RIGHT MAST ARM SIGNAL	W/B	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R
U.S. RTE. 14 (NORTHWEST HWY.) END MAST ARM AND FAR LEFT SIGNALS	W/B	R →G	R →G	R →Y	R →Y	G →G	G →G	G →Y	R	R	R	G	G	Y	R	R	R	R	R	R
EMERSON ST. FAR RIGHT MAST ARM SIGNAL	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R
EMERSON ST. END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R
EMERSON ST. ALL SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R
PEDESTRIAN SIGNALS CROSSING EMERSON ST. ON NORTH SIDE OF U.S. RTE. 14		H	H	H	H	¤P	¤¤FH	H	H	H	H	¤P	¤¤FH	H	H	H	H	H	H	D
PEDESTRIAN SIGNALS CROSSING EMERSON ST. ON SOUTH SIDE OF U.S. RTE. 14		H	H	H	H	H	H	H	¤P	¤¤FH	H	¤P	¤¤FH	H	H	H	H	H	H	A
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON EAST SIDE OF EMERSON ST.		H	H	H	H	H	H	H	H	H	H	H	H	H	H	¤P	¤¤FH	H	H	R
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON WEST SIDE OF EMERSON ST.		H	H	H	H	H	H	H	H	H	H	H	H	H	H	¤P	¤¤FH	H	H	K

¤ TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION

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

◇ THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING "DON'T WALK" INTERVALS. "WALK" AND FLASHING "DON'T WALK" TIMINGS TO BE SET ONLY ON PHASES WHERE "WALK" AND FLASHING "DON'T WALK" ARE INDICATED IN THE SEQUENCE OF OPERATION.

P = ILLUMINATED PERSON = WALK
FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
H = ILLUMINATED SOLID HAND = DON'T WALK

PHASE 2+6 SHALL BE PLACED ON RECALL.

NLT = "NO LEFT TURN" OR

NRT = "NO RIGHT TURN" OR

RAILROAD PREEMPTION SEQUENCE OF OPERATION

										PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 2					
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		8		11		14									
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER									2		3						
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	1J	2	1L	2	1N	2	3	4	5		
U.S. RTE. 14 (NORTHWEST HWY.) FAR RIGHT MAST ARM SIGNAL E/B	R	R	R	Y	R	Y	R	R	R	Y	R	R	R	R	R	R	G	△
U.S. RTE. 14 (NORTHWEST HWY.) END MAST ARM AND FAR LEFT SIGNALS E/B	R →Y	R	R	Y	R	Y	R	R	R	Y	R	R	R	R	R	R	G	△
U.S. RTE.14 (NORTHWEST HWY.) FAR RIGHT MAST ARM SIGNAL W/B	R	Y	R	R	R	Y	R	R	R	Y	R	R	R	R	R	R	G	△
U.S. RTE. 14 (NORTHWEST HWY.) END MAST ARM AND FAR LEFT SIGNALS W/B	R →Y	Y	R	R	R	Y	R	R	R	Y	R	R	R	R	R	R	G	△
EMERSON ST. FAR RIGHT MAST ARM SIGNAL N/B	R	R	R	R	R	R	R	G	G	R	R	G	G	G	Y	R	R	△
EMERSON ST. END MAST ARM AND FAR LEFT SIGNALS N/B	R	R	R	R	R	R	R	G	G	R	R	G	G	G →G	Y	R	R	△
EMERSON ST. ALL SIGNALS S/B	R	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	R	△
PEDESTRIAN SIGNALS CROSSING EMERSON ST. ON NORTH SIDE OF U.S. RTE. 14	H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING EMERSON ST. ON SOUTH SIDE OF U.S. RTE. 14	H	H	H	FH	H	FH	H	H	H	H	H	H	N	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON EAST SIDE OF EMERSON ST.	H	H	H	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON WEST SIDE OF EMERSON ST.	H	H	H	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	△
INTERNALLY ILLUMINATED NO RIGHT TURN SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	△
INTERNALLY ILLUMINATED NO LEFT TURN SIGNS	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT HOLD	△

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

																		PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		5		8		8		11		11		14		14				
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	2	3	CLEAR TO NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	1S	1T	2	3			
U.S. RTE. 14 (NORTHWEST HWY.) FAR RIGHT MAST ARM SIGNAL E/B	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	G	R	◇
U.S. RTE. 14 (NORTHWEST HWY.) END MAST ARM AND FAR LEFT SIGNALS E/B	R →Y	R	R	R	R	R	G →G	G →Y	G →G	Y	R	G	G	Y	R	R	R	R	R	G	R	◇
U.S. RTE.14 (NORTHWEST HWY.) FAR RIGHT MAST ARM SIGNAL W/B	R	G	G	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	G	R	◇
U.S. RTE. 14 (NORTHWEST HWY.) END MAST ARM AND FAR LEFT SIGNALS W/B	R →Y	G →G	G →Y	G →G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	G	R	◇
EMERSON ST. FAR RIGHT MAST ARM SIGNAL N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	G	◇
EMERSON ST. END MAST ARM AND FAR LEFT SIGNALS N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	G	◇
EMERSON ST. ALL SIGNALS S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	G	◇
PEDESTRIAN SIGNALS CROSSING EMERSON ST. ON NORTH SIDE OF U.S. RTE. 14	H	FH	H	FH	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING EMERSON ST. ON SOUTH SIDE OF U.S. RTE. 14	H	H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON EAST SIDE OF EMERSON ST.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	◇
PEDESTRIAN SIGNALS CROSSING U.S. RTE. 14 ON WEST SIDE OF EMERSON ST.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	◇

◇ 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 INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2 OR 3 IS TERMINATED.

N

1

TS–9640
IDOT CENTRACS
FORMER ECON 197

LOCATION NO. 66

TS SHT NO. 127

PROFILE SURVEYED PLOTTED GRADES CHECKED ALIGNMENT CHECKED STRUCTURE NO(S)/FNS CK'KD BY DATE
NOTE BOOK NO.

PLAN SURVEYED PLOTTED ALIGNMENT CHECKED R.O.W. MONUMENTED CADD FILE NAME BY DATE

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SEQUENCE OF OPERATION US ROUTE 14 (NORTHWEST HIGHWAY) AND EMERSON STREET
	ECON197_16_SEQ_US14-Emerson.dgn	DRAWN - FPB	REVISED -		
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -		
	PLOT DATE = 2/23/2026	DATE -	REVISED -		SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

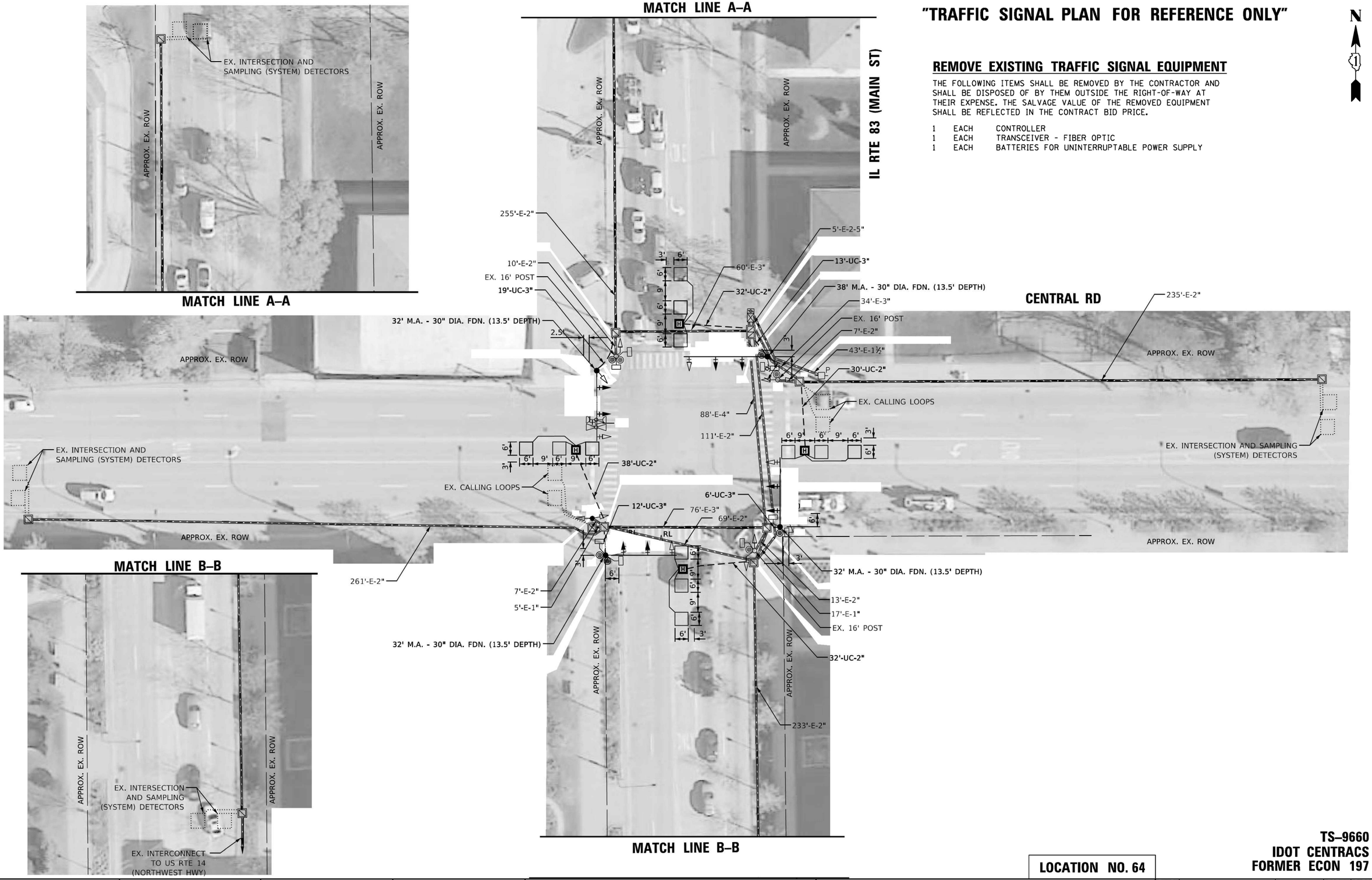
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	135
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

REMOVE 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 BID PRICE.

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



TS SHT NO. 128

PLAN — NOTE BOOK NO. ___ — SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ — BY ___ DATE ___

PROFILE — NOTE BOOK NO. ___ — SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTAT'NS CH'KD ___ — BY ___ DATE ___

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

LOCATION NO. 64

TS–9660
IDOT CENTRACS
FORMER ECON 197

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

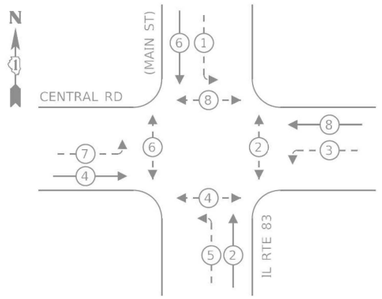
TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (MAIN STREET) AND CENTRAL ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	136
		CONTRACT NO. 62W82		

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

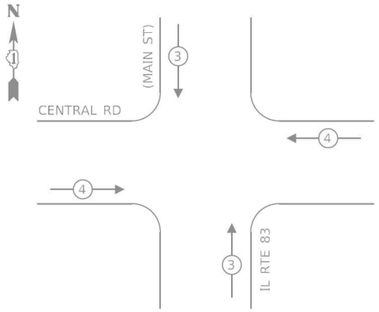
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



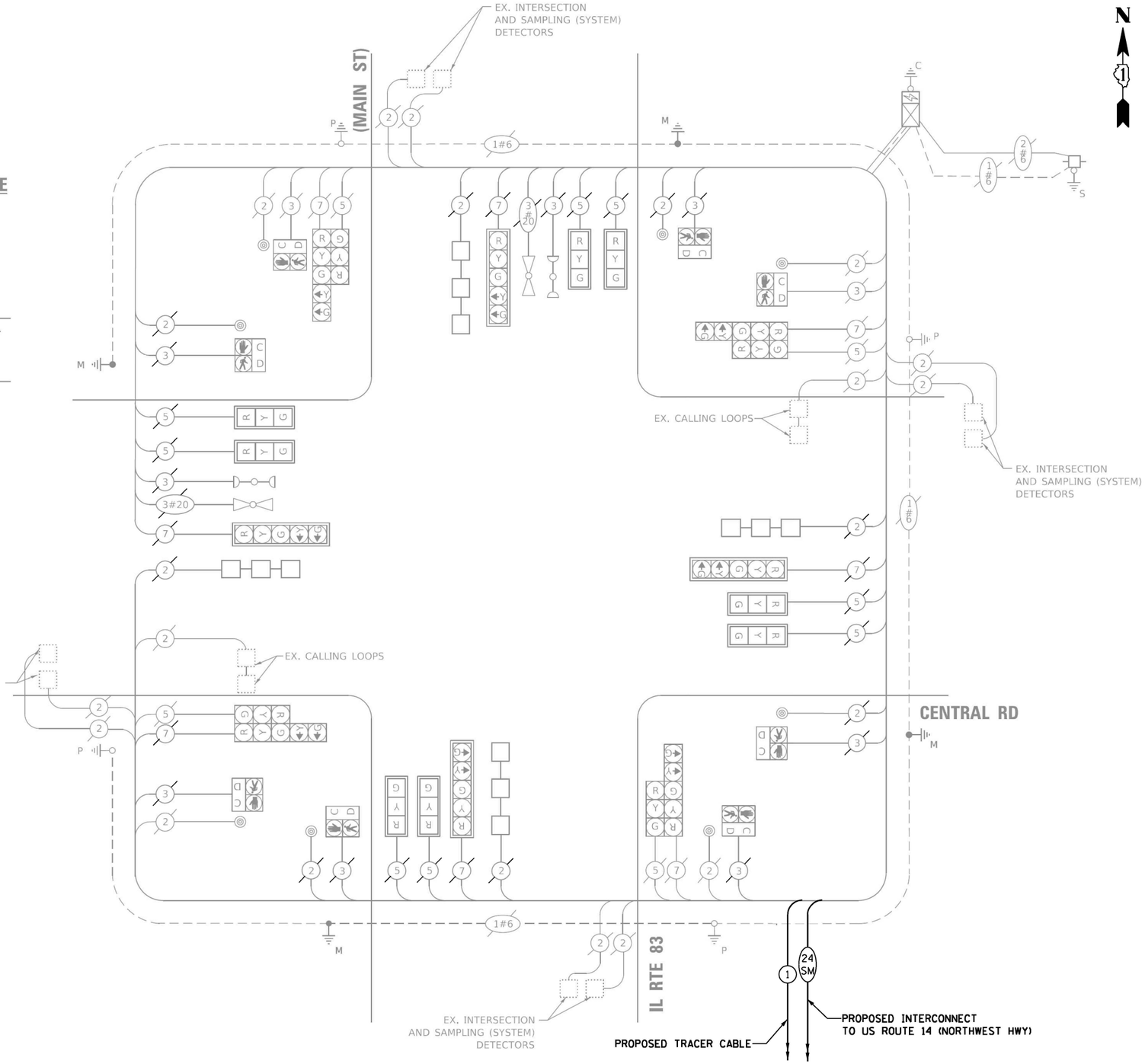
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**556**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1161**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ----



CABLE PLAN
(NOT TO SCALE)

LOCATION NO. 64

TS–9660
IDOT CENTRACS
FORMER ECON 197

TS SHT NO. 129

PROFILE PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
ALIGN. NOTES
STRUCTURE NOTATNS CHKD
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

SURVEYED
PLOTTED
ALIGNMENT CHECKED
ALIGN. NOTES
CADD FILE NAME

BY
DATE

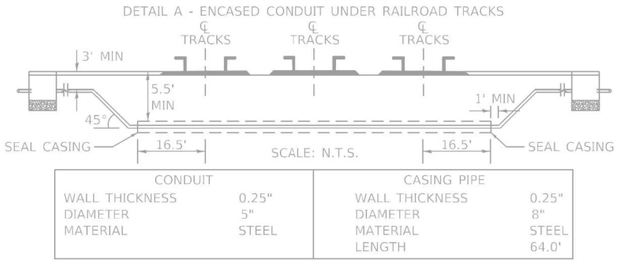
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -
ECON197_18_CAB_IL83(Main)-Central.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

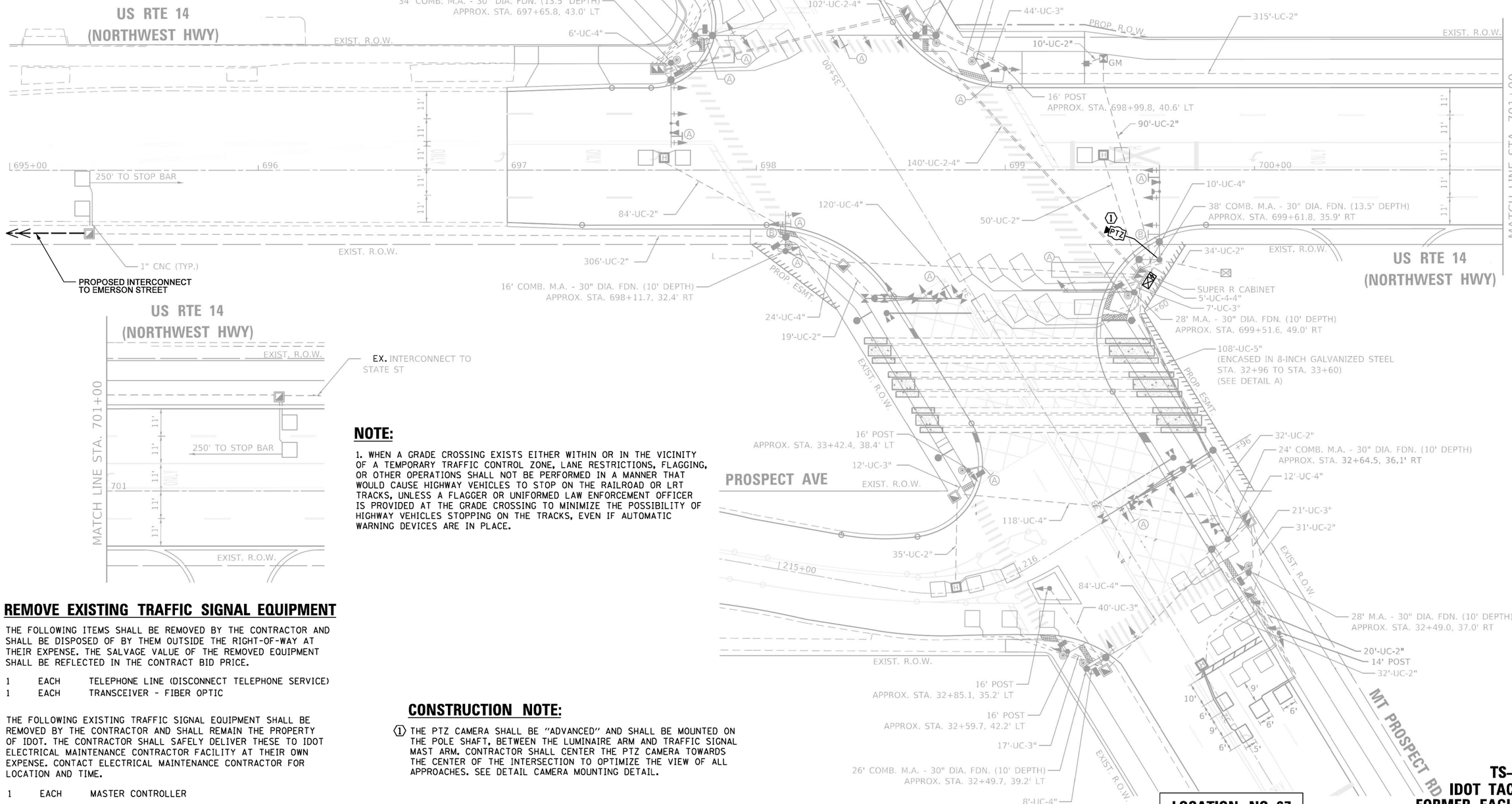
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (MAIN STREET) AND CENTRAL ROAD
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	137
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CONDUIT		CASING PIPE	
WALL THICKNESS	0.25"	WALL THICKNESS	0.25"
DIAMETER	5"	DIAMETER	8"
MATERIAL	STEEL	MATERIAL	STEEL
		LENGTH	64.0'



NOTE:

1. WHEN A GRADE CROSSING EXISTS EITHER WITHIN OR IN THE VICINITY OF A TEMPORARY TRAFFIC CONTROL ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT BE PERFORMED IN A MANNER THAT WOULD CAUSE HIGHWAY VEHICLES TO STOP ON THE RAILROAD OR LRT TRACKS, UNLESS A FLAGGER OR UNIFORMED LAW ENFORCEMENT OFFICER IS PROVIDED AT THE GRADE CROSSING TO MINIMIZE THE POSSIBILITY OF HIGHWAY VEHICLES STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE.

REMOVE 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 BID PRICE.

1	EACH	TELEPHONE LINE (DISCONNECT TELEPHONE SERVICE)
1	EACH	TRANSCEIVER - FIBER OPTIC

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

1	EACH	MASTER CONTROLLER

CONSTRUCTION NOTE:

① THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE POLE SHAFT, BETWEEN THE LUMINAIRE ARM AND TRAFFIC SIGNAL MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

LOCATION NO. 67

TS–1255
IDOT TACTICS
FORMER EAGLE 7L

PROFILE — SURVEYED — PLOTTED — GRADES CHECKED — ROAD MODEL — STRUCTURE — NOTE BOOK — NO. — BY — DATE — CHKD

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — ROAD MODEL — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

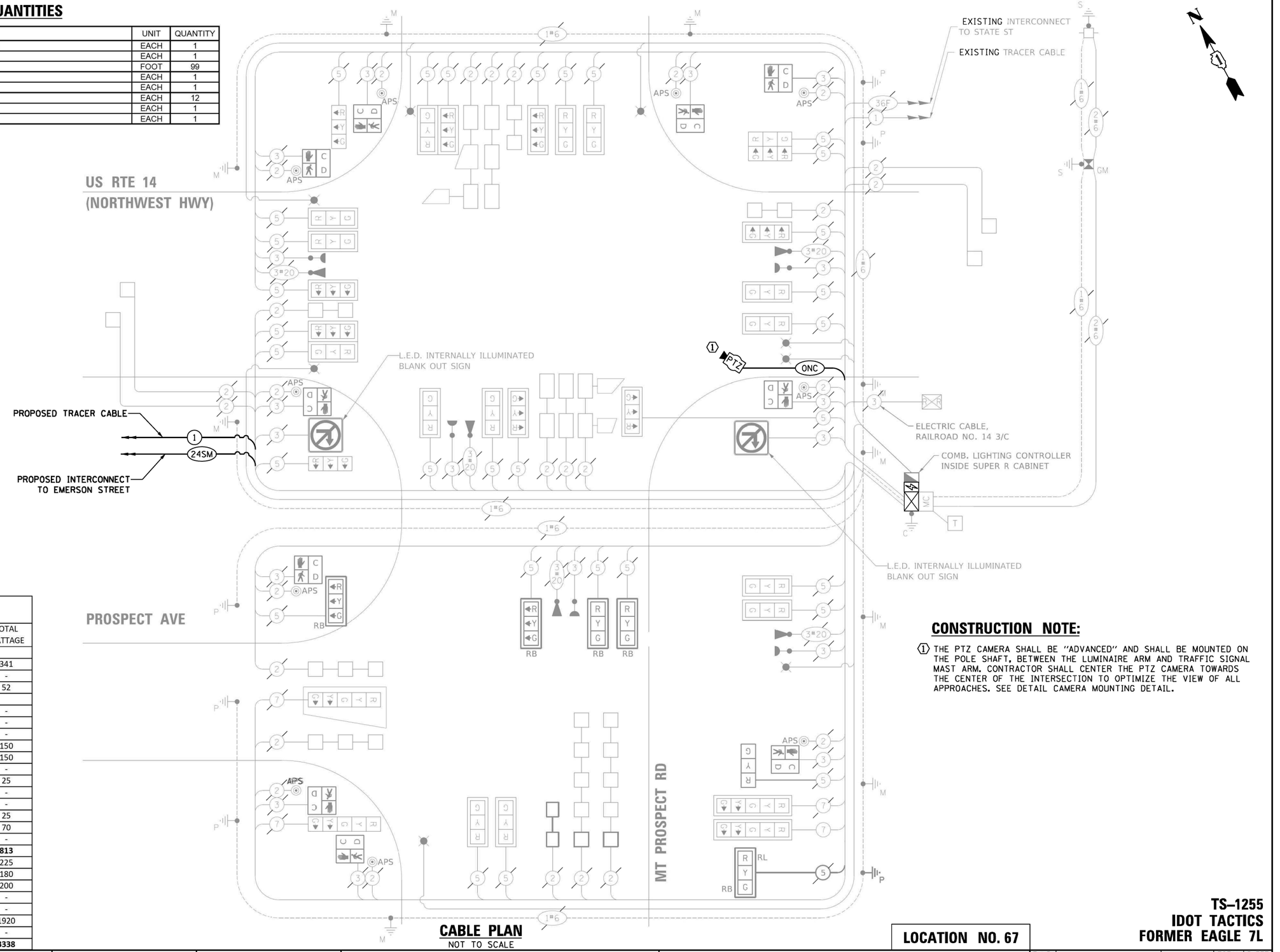
TS SHT NO. 130

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN US RTE 14 (NORTHWEST HWY) AND MT PROSPECT RD / PROSPECT AVE
	EAGLE7L_81_MOD1_US14-MT Prospect.dgn	DRAWN - FPB	REVISED -		
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -		SCALE: 1"= 40' SHEET NO. OF SHEETS STA. TO STA.
	PLOT DATE = 2/23/2026	DATE -	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	138
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	99
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	12
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH ACCESS	EACH	1



CABLE PLAN
NOT TO SCALE

CONSTRUCTION NOTE:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE POLE SHAFT, BETWEEN THE LUMINAIRE ARM AND TRAFFIC SIGNAL MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	31	11	341
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	10	15	150
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	2	35	70
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**813**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	8	240	1920
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**3338**

TS–1255
IDOT TACTICS
FORMER EAGLE 7L

LOCATION NO. 67

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -	
EAGLE7L_02_CAB_US14-MT Prospect.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND CABLE PLAN
US RTE 14 (NORTHWEST HWY) AND MT PROSPECT RD / PROSPECT AVE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	139
		CONTRACT NO. 62W82		

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

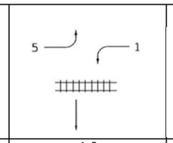
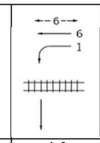
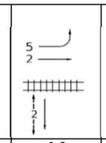
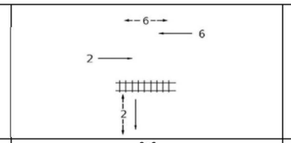
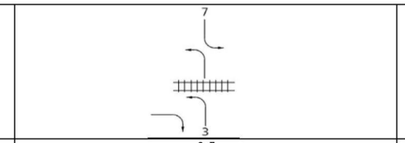
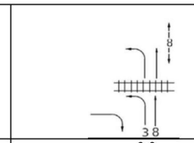
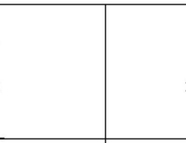
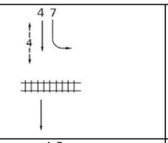
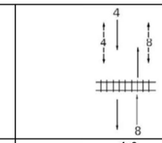
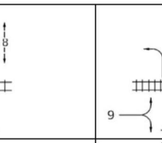
PLAN: NOTE BOOK NO. ___ | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME ___ | BY | DATE

PROFILE: NOTE BOOK NO. ___ | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTAT'NS CH'KD | BY | DATE

TS SHT NO. 131

"SEQUENCE CHART FOR REFERENCE ONLY"

SEQUENCE OF OPERATION

MOVEMENT												FLASH
PHASE		1+5	1+6	2+5	2+6	3+7	3+8	4+7	4+8	9		
INTERVAL		1 2A 2B 3A 3B 4A 4B	5 6 7A 7B	8 9 10A 10B	11 12 13A 13B 14A 14B 15A 15B 16A 16B 16C 16D	17 18A 18B 18C 18D 19A 19B 20A 20B 20C 20D 21A 21B 21C 21D 22A 22B	23 24 25A 25B 25C 25D 26A 26B 26C 26D 27A 27B	28 29 30A 30B 31A 31B 32A 32B 32C 32D	33 34 35A 35B 35C 35D 36A 36B 36C 36D	37 38 39A 39B 39C 39D		
CHANGE TO		1+6 / 2+5 / 2+6	θ θ 2+6	θ θ 2+6	1+5 4+7 4+8 / 1+6 / 2+5 / 3+7 3+8 9	1+5 1+6 2+5 2+6 / 3+8 / 4+7 / 4+8 / 9	θ θ 1+5 1+6 2+5 2+6 / 4+8 / 9	θ θ 1+5 1+6 2+5 2+6 / 4+8 / 9	1+5 1+6 2+5 2+6 / 9	1+5 1+6 2+5 2+6		
US 14 (NORTHWEST HWY)	E/B	R R R R R R R	R R R R	G G G G	G G Y R G G Y R	R R R R R R R

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EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1	1	1	1					5			5	5					8	8			8				11			11			11				11				
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	1HH	1JJ	1KK	1LL	1MM	1NN	1PP	1QQ	1RR	1SS	1TT
CHANGE TO EMERGENCY VEHICLE PREEMPTION OF OPERATION INTERVAL NUMBER		1B	2	1D	3	1F	4	1H	1J	1K	5 OR 6	1M	1N	2 OR 3	4	1R	1S	1T	1U	5 OR 6	2	1X	1Y	3 OR 4	1AA	1BB	1CC	1DD	5 OR 6	1FF	1GG	2	1JJ	1KK	3	1MM	1NN	4	1QQ	1RR	1SS	1TT	5 OR 6
US 14 (NORTHWEST HWY) MID AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	Y	R	R	R	G	G	G	G	Y	R	G	Y	R	G	Y	R	R	R
US 14 (NORTHWEST HWY) END MAST ARM AND FAR LEFT SIGNALS	E/B	G ←	G ←	Y ←	R ←	Y ←	R ←	Y ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	G ←	G ←	Y ←	R ←	G ←	Y ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←
US 14 (NORTHWEST HWY) MID AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	G	G	G	G	Y	R	R	R
US 14 (NORTHWEST HWY) END MAST ARM AND FAR LEFT BRACKET MOUNTED AND MAST ARM SIGNALS	W/B	Y ←	R ←	Y ←	R ←	G ←	G ←	Y ←	R ←	R ←	R ←	G ←	Y ←	R ←	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 ←
MT PROSPECT RD MID AND RIGHT CANTILEVER AND NEAR RIGHT MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)	S/B	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	R	R	R	R	R	R	R	R	R
MT PROSPECT RD END CANTILEVER AND FAR LEFT MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)	S/B	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 ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←
MT PROSPECT RD ALL SIGNALS AT PROSPECT AVE	S/B	G	G	G	G	G	G	G	G	Y	R	G	G	G	G	G	G	G	Y	R	G	G	G	G	G	G	G	Y	R	G	G	G	G	G	G	G	G	G	G	G	G	Y	R
MT PROSPECT RD MID AND RIGHT MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)	N/B	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	R	R	R	R	R	R	R	R	R
MT PROSPECT RD END MAST ARM AND FAR LEFT BRACKET MOUNTED AND MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)	N/B	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 ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←
MT PROSPECT RD MID AND RIGHT CANTILEVER AND NEAR RIGHT SIGNALS AT PROSPECT AVE	N/B	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	R	R	R	R	R	R	R	R	R
MT PROSPECT RD END CANTILEVER AND FAR LEFT SIGNALS AT PROSPECT AVE	N/B	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 ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←
PROSPECT AVE FAR RIGHT MAST ARM AND NEAR SIGNALS	E/B	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	R	R	R	R	R	R	R	R	R
PROSPECT AVE FAR LEFT MAST ARM SIGNALS	E/B	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	R	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING US 14 (NORTHWEST HWY) ON EAST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING US 14 (NORTHWEST HWY) ON WEST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING MT PROSPECT RD ON NORTH SIDE OF US 14 (NORTHWEST HWY)		H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	FH	H	H	FH	H	H	H	H
PEDESTRIAN SIGNALS CROSSING MT PROSPECT RD ON SOUTH SIDE OF PROSPECT AVE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING PROSPECT AVE ON WEST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	FH	H	H	FH	H	H	H	H	FH	H	H	FH	H	H	FH	H	H	FH	H	H	H	H

◊ 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 INTERVAL AFTER EMERGENCY VEHICLE 2, 3, 4, 5, OR 6 IS TERMINATED.

LOCATION NO. 67

TS–1255
IDOT TACTICS
FORMER EAGLE 7L

TS SHT NO. 133

PLAN — NOTE BOOK — NO. — SURVEYED — PLOTTED — GRADES CHECKED — R.L.A. NOTED — STRUCTURE — NOTATNS CHK'D — BY — DATE

PROFILE — NOTE BOOK — NO. — SURVEYED — PLOTTED — GRADES CHECKED — R.L.A. NOTED — STRUCTURE — NOTATNS CHK'D — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

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9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLE7L_04_EVP1_US14-MT Prospect.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
US RTE 14 (NORTHWEST HWY) AND MT PROSPECT RD / PROSPECT AVE
(SHEET 1 OF 3)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	141
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"SEQUENCE CHART FOR REFERENCE ONLY"

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		17				17				17		17		23					23			23			28			28	28	28				33					33					33					33				
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1UU	1VV	1WW	1XX	1YY	1ZZ	1AAA	1BBB	1CCC	1DDD	1EEE	1FFF	1GGG	1HHH	1JJJ	1KKK	1LLL	1MMM	1NNN	1PPP	1QQQ	1RRR	1SSS	1TTT	1UUU	1VVV	1WWW	1XXX	1YYY	1ZZZ	1AAAA	1BBBB	1CCCC	1DDDD	1EEEE	1FFFF	1GGGG	1HHHH	1JJJJ	1KKKK	1LLLL	1MMMM	1NNNN	1PPPP	1QQQQ	1RRRR	1SSSS	1TTTT	1UUUU	1VVVV	1WWWW	1XXXX
CHANGE TO EMERGENCY VEHICLE PREEMPTION OF OPERATION INTERVAL NUMBER		1VV	1WW	1XX	2 OR 4	1ZZ	1AAA	1BBB	3	1DDD	5	1FFF	6	1HHH	1JJJ	1KKK	1LLL	2, 3, OR 4	1NNN	1PPP	5	1RRR	1SSS	6	1UUU	1VVV	2 OR 4	3	1YYY	1ZZZ	1AAAA	1BBBB	5 OR 6	1DDDD	1EEEE	1FFFF	1GGGG	2 OR 4	1JJJJ	1KKKK	1LLLL	1MMMM	3	1PPPP	1QQQQ	1RRRR	1SSSS	5	1UUUU	1VVVV	1WWWW	1XXXX	6
US 14 (NORTHWEST HWY) E/B MID AND RIGHT MAST ARM AND NEAR RIGHT 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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
US 14 (NORTHWEST HWY) E/B END MAST ARM AND FAR LEFT SIGNALS		←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
US 14 (NORTHWEST HWY) W/B MID AND RIGHT MAST ARM AND NEAR RIGHT 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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
US 14 (NORTHWEST HWY) W/B END MAST ARM AND FAR LEFT BRACKET MOUNTED AND MAST ARM SIGNALS		←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
MT PROSPECT RD S/B MID AND RIGHT CANTILEVER AND NEAR RIGHT MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	Y	R	R	G	Y	R	R	R	G	G	G	G	G	G	Y	R	R	R	G	Y	R	R
MT PROSPECT RD S/B END CANTILEVER AND FAR LEFT MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)		Y	R	R	R	G	G	G	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
		←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
MT PROSPECT RD S/B ALL SIGNALS AT PROSPECT AVE		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	G	Y	R	G	G	G	G	G	G	G	G	G	G	G	G	Y	R	G	G	G	Y	R
MT PROSPECT RD N/B MID AND RIGHT MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)		R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	G	G	G	G	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	G	Y	R	G	G	G	G	G	G	G	G	G
MT PROSPECT RD N/B END MAST ARM AND FAR LEFT BRACKET MOUNTED AND MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)		G	G	Y	R	G	G	Y	R	G	G	G	G	G	G	G	Y	R	G	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	R	R
		←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
MT PROSPECT RD N/B MID AND RIGHT CANTILEVER AND NEAR RIGHT SIGNALS AT PROSPECT AVE		R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	G	G	G	G	G	Y	R	R	R	G	Y	R	R
MT PROSPECT RD N/B END CANTILEVER AND FAR LEFT SIGNALS AT PROSPECT AVE		Y	R	R	R	Y	R	R	R	G	G	Y	R	G	Y	R	R	R	G	G	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
		←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
PROSPECT AVE E/B FAR RIGHT MAST ARM AND NEAR SIGNALS		R Y→	R	R	R	R Y→	R	R	R	R Y→	R	R Y→	R	R G→	R Y→	R	R	R	R G→	R Y→	R	R G→	R 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
PROSPECT AVE E/B FAR LEFT MAST ARM 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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING US 14 (NORTHWEST HWY) ON EAST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H
PEDESTRIAN SIGNALS CROSSING US 14 (NORTHWEST HWY) ON WEST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	FH	H	H	H	FH	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H
PEDESTRIAN SIGNALS CROSSING MT PROSPECT RD ON NORTH SIDE OF US 14 (NORTHWEST HWY)		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING MT PROSPECT RD ON SOUTH SIDE OF PROSPECT AVE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING PROSPECT AVE ON WEST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H

◊ 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 INTERVAL AFTER EMERGENCY VEHICLE 2, 3, 4, 5, OR 6 IS TERMINATED.

PLAN / PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NO(YES) CHKD, NOTE BOOK, NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 134

LOCATION NO. 67

TS–1255
IDOT TACTICS
FORMER EAGLE 7L

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLE7L_85_EVP2_US14-MT Prospect.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
US RTE 14 (NORTHWEST HWY) AND MT PROSPECT RD / PROSPECT AVE
(SHEET 2 OF 3)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	142
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"SEQUENCE CHART FOR REFERENCE ONLY"

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

										PREEMPTER NUMBER 3	PREEMPTER NUMBER 4	PREEMPTER NUMBER 5	PREEMPTER NUMBER 6	PREEMPTER NUMBER 7	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		37					37			37						
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1YYYY	1ZZZZ	1AAAAA	1BBBBB	1CCCCC	1DDDDD	1EEEEE	1FFFFF	1GGGGG	2	3	4	5	6	CLEAR TO NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION OF OPERATION INTERVAL NUMBER		1ZZZZ	1AAAAA	1BBBBB	1CCCCC	2, 3, OR 4	1EEEEE	1FFFFF	5	6						◊
US 14 (NORTHWEST HWY) MID AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	G	R	R	R	R	◊
US 14 (NORTHWEST HWY) END MAST ARM AND FAR LEFT SIGNALS	E/B	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	G ←	R ←	R ←	R ←	R ←	◊
US 14 (NORTHWEST HWY) MID AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	G	R	R	◊
US 14 (NORTHWEST HWY) END MAST ARM AND FAR LEFT BRACKET MOUNTED AND MAST ARM SIGNALS	W/B	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	G ←	R ←	R ←	◊
MT PROSPECT RD MID AND RIGHT CANTILEVER AND NEAR RIGHT MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)	S/B	R	R	R	R	R	R	R	R	R	R	G	R	R	R	◊
MT PROSPECT RD END CANTILEVER AND FAR LEFT MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)	S/B	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	G ←	R ←	R ←	R ←	◊
MT PROSPECT RD ALL SIGNALS AT PROSPECT AVE	S/B	R	R	R	R	R	R	R	R	R	G	G	G	R	R	◊
MT PROSPECT RD MID AND RIGHT MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)	N/B	G	G	G	Y	R	G	G	G	G	R	R	R	G	G	◊
MT PROSPECT RD END MAST ARM AND FAR LEFT BRACKET MOUNTED AND MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)	N/B	G ←	G ←	G ←	Y ←	R ←	G ←	G ←	G ←	G ←	R ←	R ←	R ←	G ←	G ←	◊
MT PROSPECT RD MID AND RIGHT CANTILEVER AND NEAR RIGHT SIGNALS AT PROSPECT AVE	N/B	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MT PROSPECT RD END CANTILEVER AND FAR LEFT SIGNALS AT PROSPECT AVE	N/B	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	R ←	G ←	R ←	◊
PROSPECT AVE FAR RIGHT MAST ARM AND NEAR SIGNALS	E/B	G	Y	R	R	R	G	Y	R	G	R	R	R	R	G	◊
PROSPECT AVE FAR LEFT MAST ARM SIGNALS	E/B	G	Y	R	R	R	G	Y	R	G	R	R	R	R	G	◊
PEDESTRIAN SIGNALS CROSSING US 14 (NORTHWEST HWY) ON EAST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING US 14 (NORTHWEST HWY) ON WEST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING MT PROSPECT RD ON NORTH SIDE OF US 14 (NORTHWEST HWY)		H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING MT PROSPECT RD ON SOUTH SIDE OF PROSPECT AVE		FH	H	H	H	H	FH	H	H	FH	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING PROSPECT AVE ON WEST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊

◊ 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 INTERVAL AFTER EMERGENCY VEHICLE 2, 3, 4, 5, OR 6 IS TERMINATED.

LOCATION NO. 67

TS–1255
IDOT TACTICS
FORMER EAGLE 7L

TS SHT NO. 135

PLAN — SURVEYED / PLOTTED / GRADES CHECKED / R.O.W. MONUMENTS / STRUCTURE NO(S). — CHK'D — BY — DATE — NOTE BOOK — NO. ____ — ALIGNMENT CHECKED / ALL DATA VERIFIED / CADD FILE NAME ____

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.O.W. MONUMENTS / STRUCTURE NO(S). — CHK'D — BY — DATE — NOTE BOOK — NO. ____

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
	EAGLE7L_06_EVP3_US14-MT Prospect.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
US RTE 14 (NORTHWEST HWY) AND MT PROSPECT RD / PROSPECT AVE
(SHEET 3 OF 3)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	143
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"SEQUENCE CHART FOR REFERENCE ONLY"

RAILROAD PREEMPTION SEQUENCE OF OPERATION

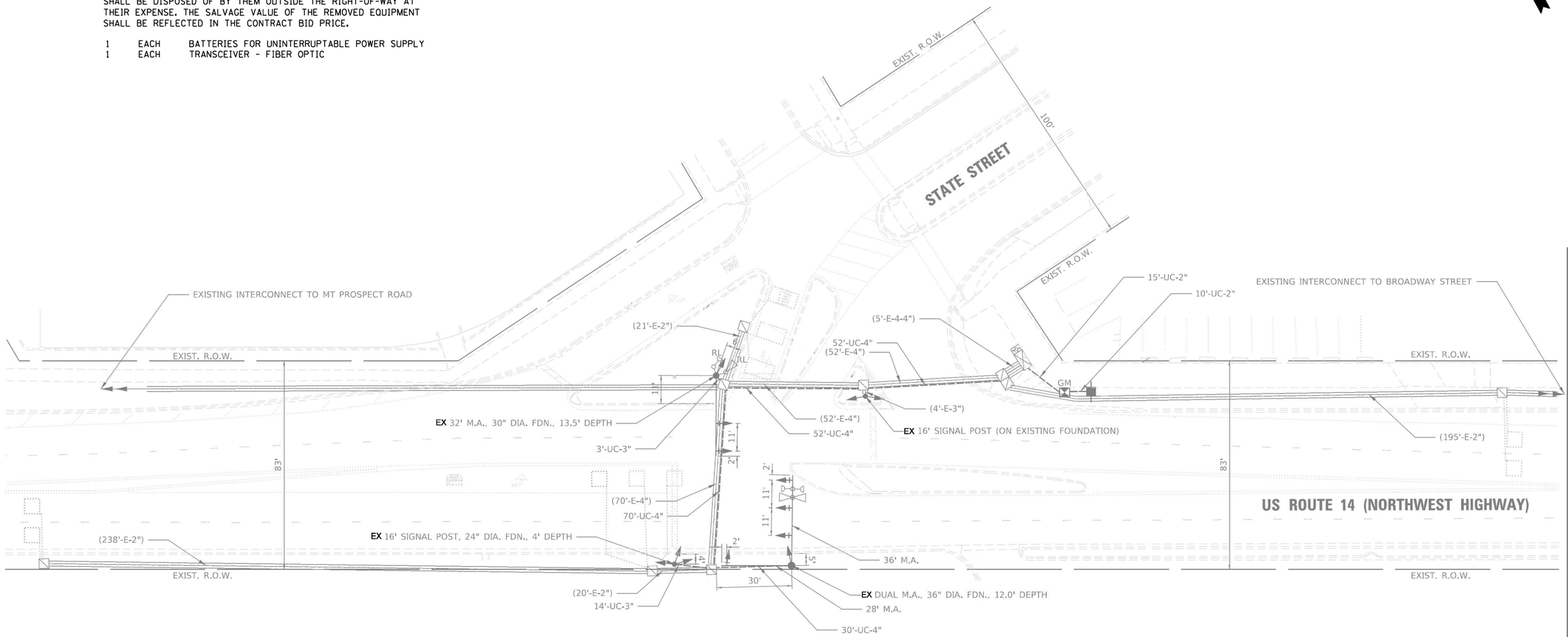
| | | |

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

REMOVE 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 BID PRICE.

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



LOCATION NO. 68

TS–13080
IDOT TACTICS
FORMER EAGLE 7L

TS SHT NO. 137

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLE7L_08_MOD_US14-State.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 14 (NORTHWEST HWY) AND STATE ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

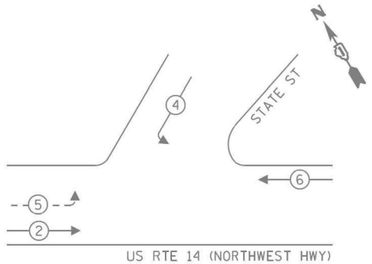
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	145
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / ALL MATERIALS CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALL NOTES CHKD / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

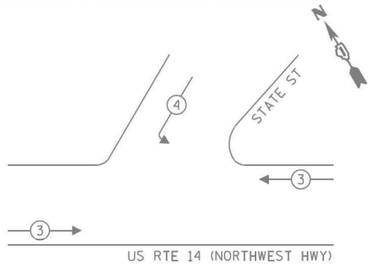
EXISTING
CONTROLLER SEQUENCE

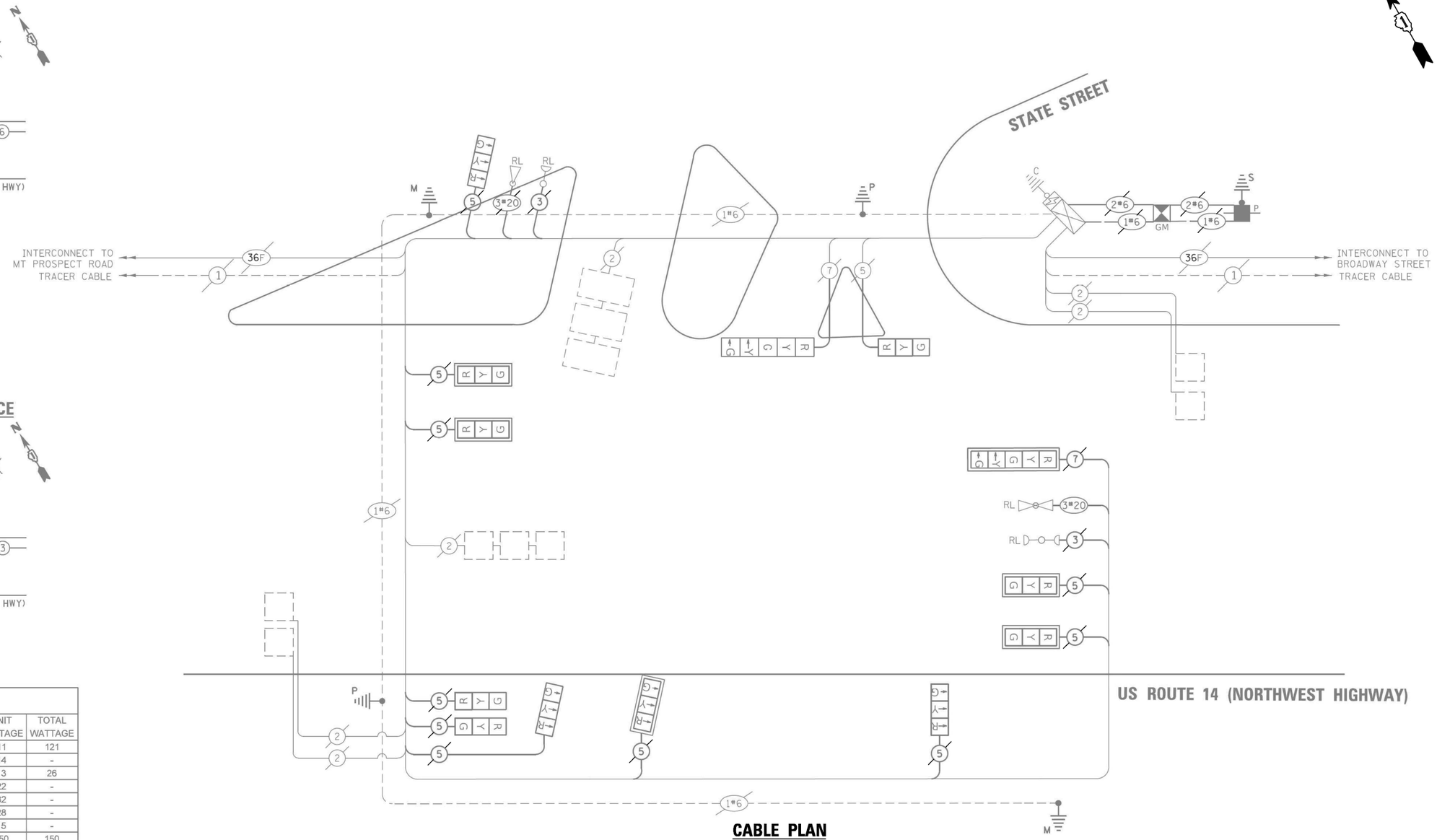


LEGEND:

- 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		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	11	11	121
	4-SECTION	-	14	-
	5-SECTION	2	13	26
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		-	15	-
CONTROLLER		1	150	150
MASTER CONTROLLER		-	100	-
UPS		1	25	25
DETECTION RADAR OR VIDEO		-	20	-
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH	II OR III	-	35	-
CELLULAR MODEM		-	15	-
TOTAL UPS SIZING				322
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		-	15	-
LED STREET NAME SIGN		-	120	-
LUMINAIRE		-	240	-
TOTAL SERVICE WIRE SIZING				927

ENERGY COSTS - BILLED TO:
CITY OF DES PLAINES
1420 MINER STREET
DES PLAINES, IL 60016

ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT.
PHONE: 866-639-3532
COMPANY: COM. EDISON
ACCOUNT NUMBER: 14016-32000
METER NUMBER:

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	16
NETWORK SWITCH ACCESS	EACH	1

LOCATION NO. 68

TS–13080
IDOT TACTICS
FORMER EAGLE 7L

TS SHT NO. 138

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -	
EAGLE7L_09_CAB_US14-State.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US ROUTE 14 (NORTHWEST HWY) AND STATE ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

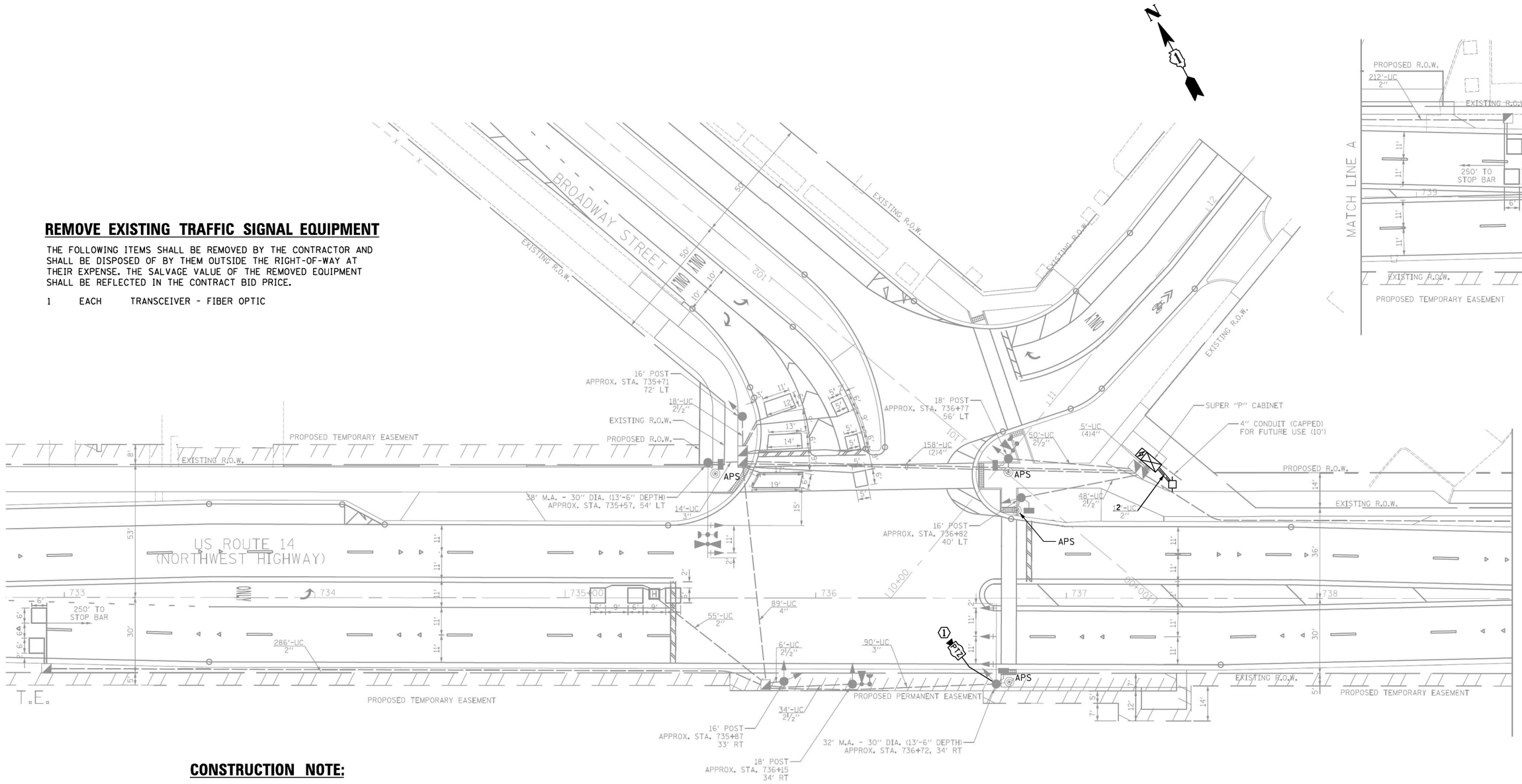
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	146
		CONTRACT NO. 62W82		

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

REMOVE 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 BID PRICE.

1 EACH TRANSCEIVER - FIBER OPTIC



CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED UNDER THE EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES.

LOCATION NO. 69

TS–13083
IDOT TACTICS
FORMER EAGLE 7L

TS SHT NO. 139

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / PLANS MODIFIED / STRUCTURE NOTATIONS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / PLANS MODIFIED / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -	
EAGLE7L_10.MOD_US14-Broadway.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

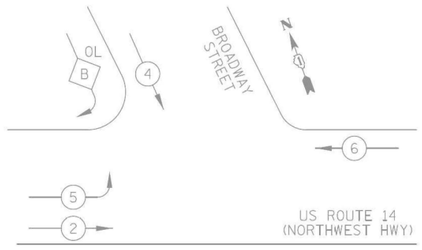
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 14 (NORTHWEST HWY) AND BROADWAY STREET

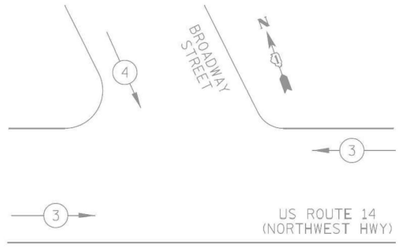
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	147
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

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

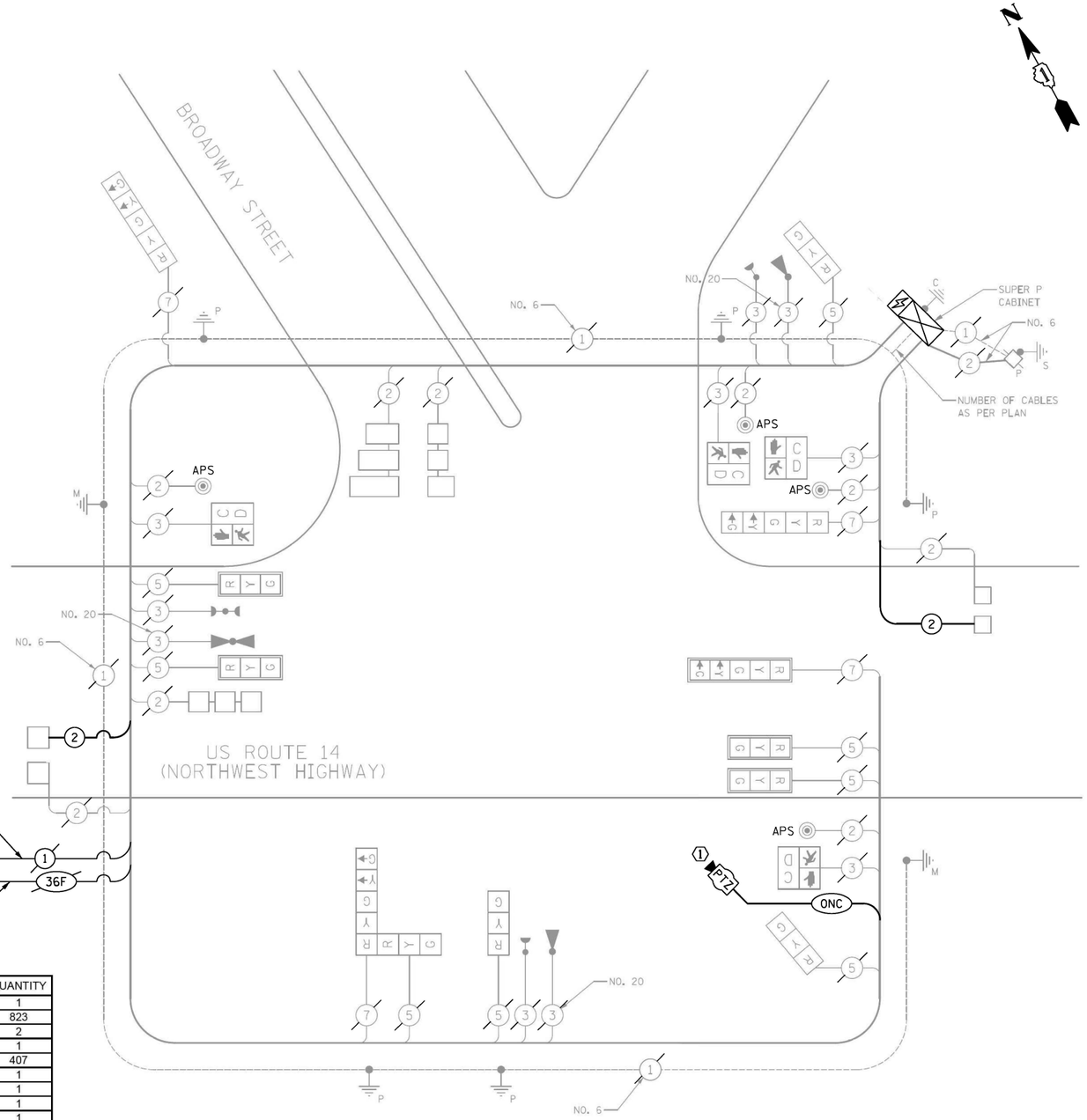
PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED UNDER THE EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES.



CABLE PLAN

NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**400**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1080**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: ELEONOR SARALLO
PHONE: (630) 424-5124
COMPANY: COMED

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	823
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	407
TACTICS LICENSE EXPANSION	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH ACCESS	EACH	1
SPLICE FIBER IN CABINET	EACH	12
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1

LOCATION NO. 69

TS–13083
IDOT TACTICS
FORMER EAGLE 7L

TS SHT NO. 140

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC
EAGLE7L_11_CAB_US14-Broadway.dgn	DRAWN - FPB
PLOT SCALE = 40'	CHECKED - EAJ
PLOT DATE = 5/7/2026	DATE -

REVISED - (4 rows)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US ROUTE 14 (NORTHWEST HWY) AND BROADWAY STREET

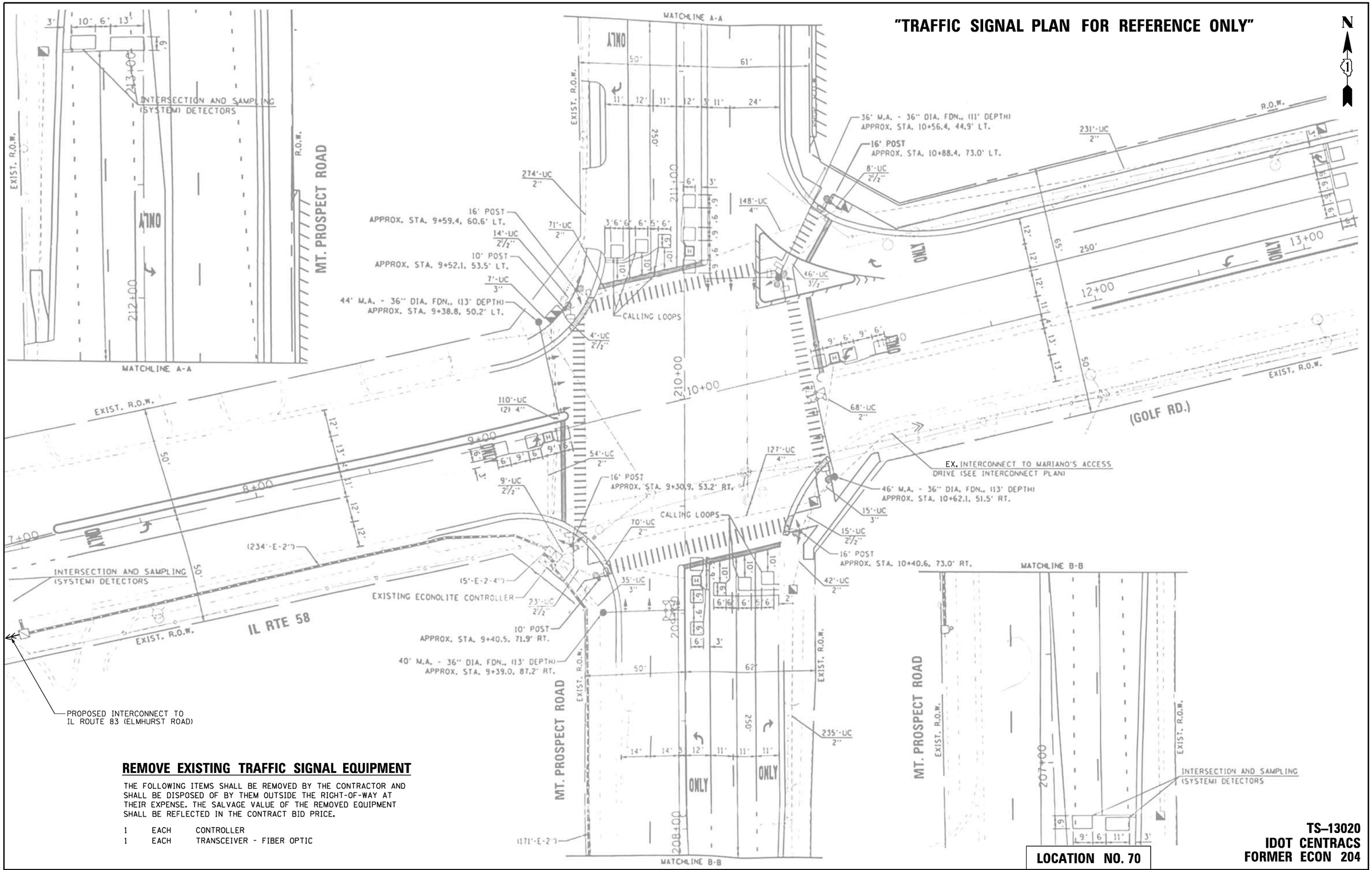
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	148
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTS, STRUCTURE NOTATIONS CH'KD — NOTE BOOK — NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTS, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



REMOVE 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 BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER - FIBER OPTIC

LOCATION NO. 70

TS–13020
IDOT CENTRACS
FORMER ECON 204

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON204_01_MOD_IL58-Mt Prospect.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 58 (GOLF ROAD) AND MT PROSPECT ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	149
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

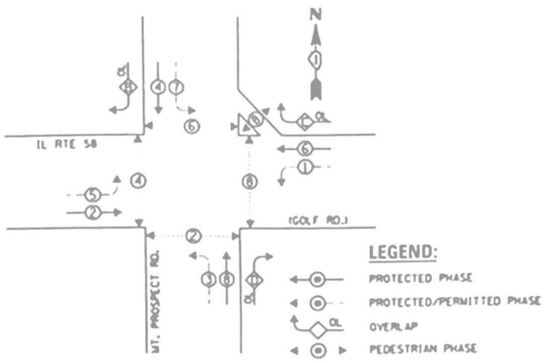
TS SHT NO. 141

PROFILE: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTAT'NS CH'KD ___ BY ___ DATE ___

PLAN: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ BY ___ DATE ___

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

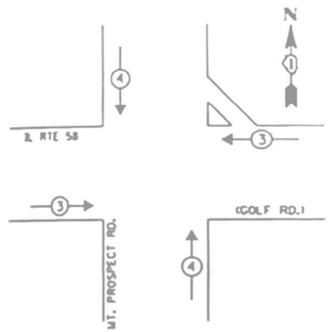
EXISTING CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

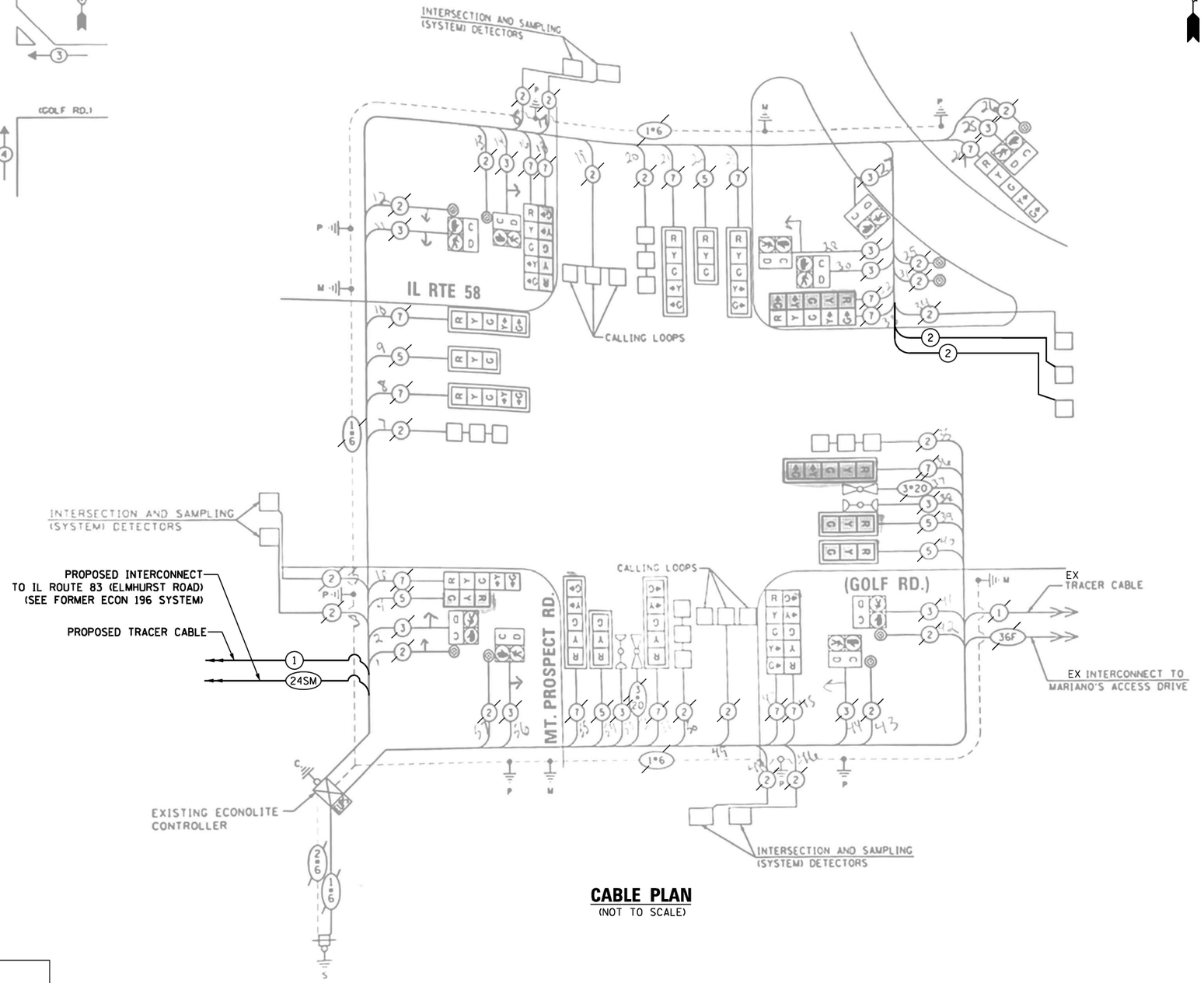
ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1076
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	24
NETWORK SWITCH ACCESS	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	15	13	195
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	10	15	150
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**611**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1216**

ENERGY COSTS TO:
CITY OF DES PLAINES

1420 MINER STREET
DES PLAINES, IL 60016
ENERGY SUPPLY: CONTACT: MARCIA PALLETI
PHONE: (630) 424-5124
COMPANY: COMED



CABLE PLAN
(NOT TO SCALE)

TS–13020
IDOT CENTRACS
FORMER ECON 204

LOCATION NO. 70

TS SHT NO. 142

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -	
ECON204_02_CAB_IL58-Mt Prospect.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 58 (GOLF ROAD) AND MT PROSPECT ROAD

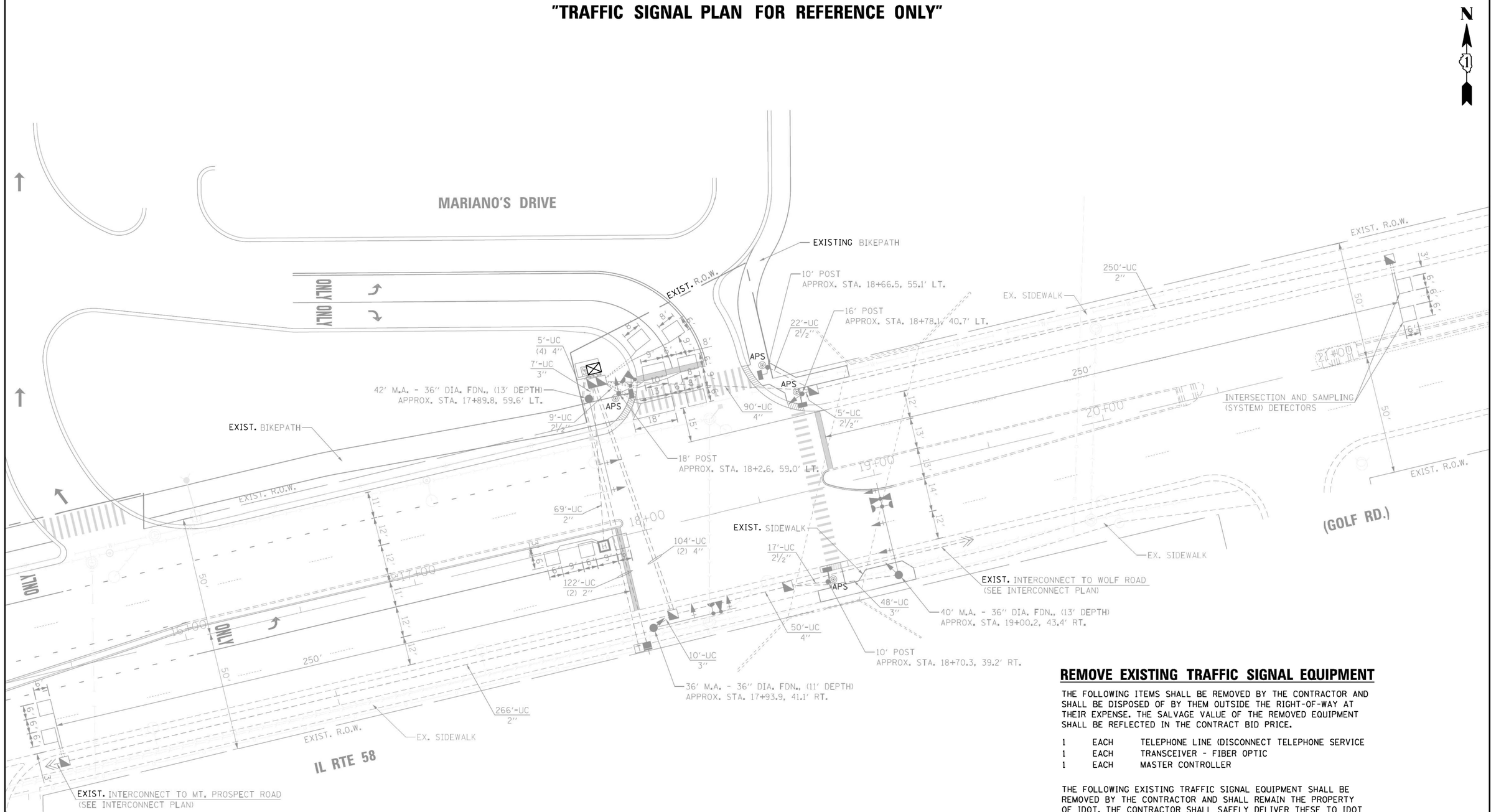
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	150
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN / PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
BLANK-OUT SIGN
STRUCTURE
QUANTITIES CHKD
ALIGNMENT CHECKED
AS BUILT MARKED
CADD FILE NAME
BY
DATE

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



REMOVE 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 BID PRICE.

1	EACH	TELEPHONE LINE (DISCONNECT TELEPHONE SERVICE
1	EACH	TRANSCEIVER - FIBER OPTIC
1	EACH	MASTER CONTROLLER

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

1	EACH	LOCAL CONTROLLER

TS–13022
IDOT CENTRACS
FORMER ECON 204

LOCATION NO. 71

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
ECON204_03_MOD_IL58-Mariano.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 58 (GOLF ROAD) AND MARIANO'S ACCESS DRIVE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	151
		CONTRACT NO. 62W82		

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

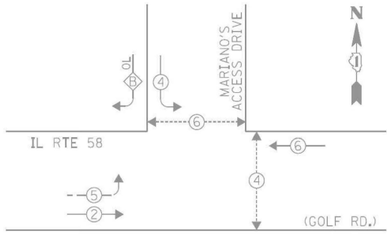
PLAN: NOTE BOOK NO. ___ | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME ___ | BY | DATE

PROFILE: NOTE BOOK NO. ___ | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTAT'NS CH'KD | BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 143

EXISTING CONTROLLER SEQUENCE



LEGEND:

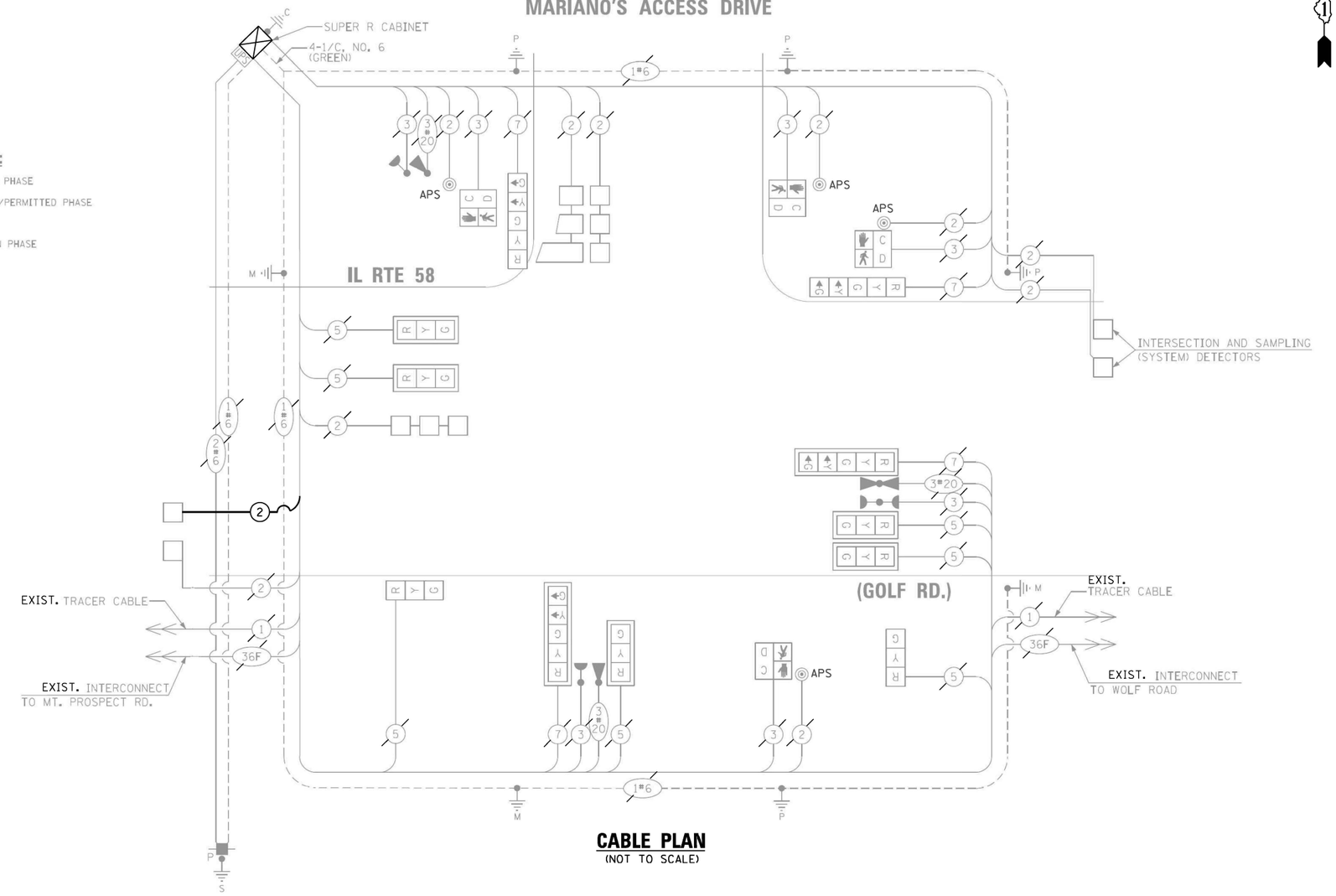
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

MARIANO'S ACCESS DRIVE



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	7	11	77
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**389**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**994**

ENERGY COSTS TO:
CITY OF DES PLAINES

1420 MINER STREET
DES PLAINES, IL 60016

ENERGY SUPPLY: CONTACT: MARCIA PALLETI
PHONE: (630) 424-5124
COMPANY: COMED

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	406
INDUCTIVE LOOP DETECTOR	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
Ssplice FIBER IN CABINET	EACH	16
NETWORK SWITCH ACCESS	EACH	1

LOCATION NO. 71

TS–13022
IDOT CENTRACS
FORMER ECON 204

TS SHT NO. 144

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGN. NOTED / STRUCTURE NO(S).TYP.NS CHK'D — BY — DATE
NOTE BOOK — NO. ____

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = bchavez	DESIGNED - BC	REVISED -
	ECON204_04_CAB_IL58-Mariano.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 5/7/2026	DATE -	REVISED -

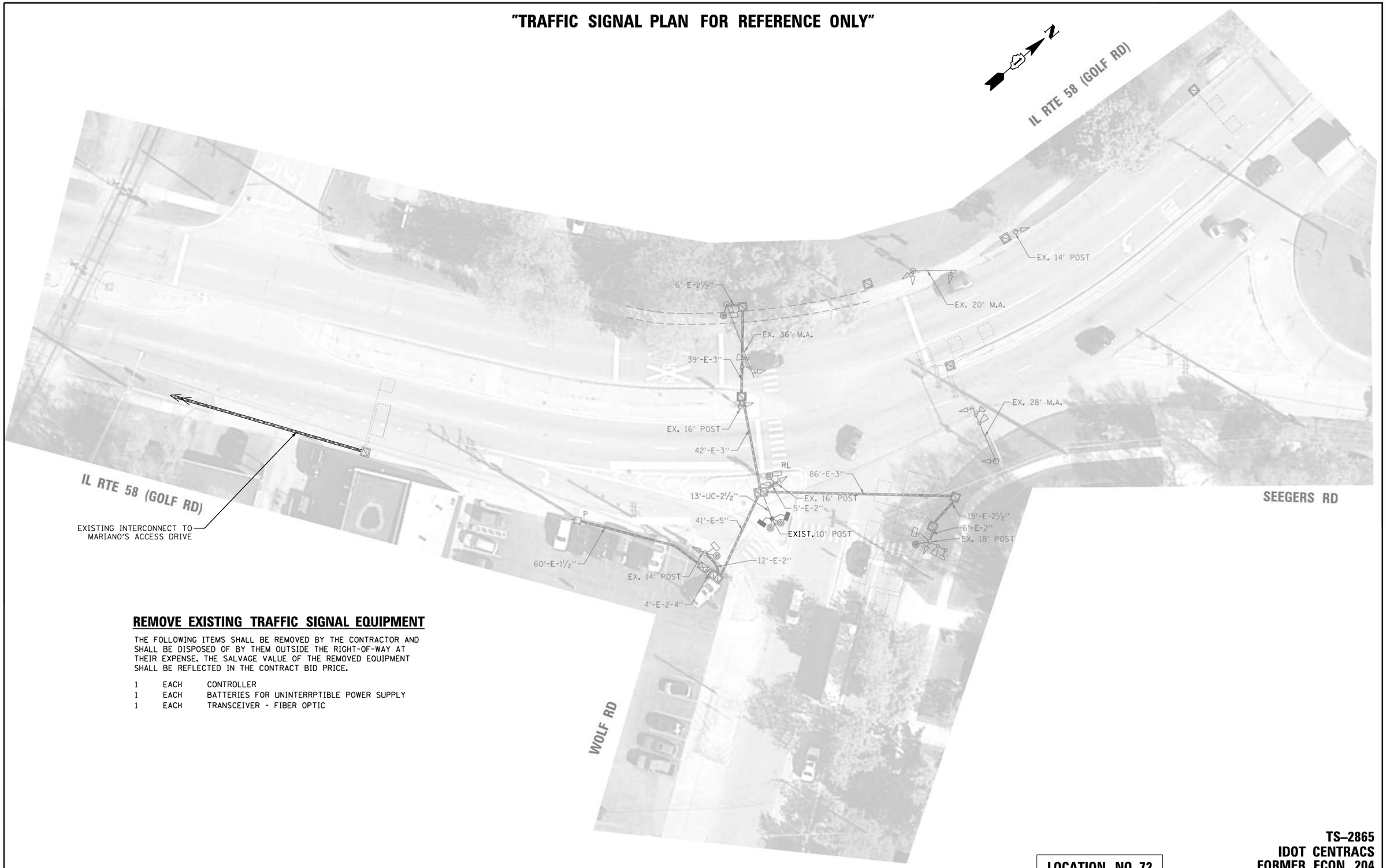
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 58 (GOLF ROAD) AND MARIANO'S ACCESS DRIVE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	152
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



REMOVE 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 BID PRICE.

1	EACH	CONTROLLER
1	EACH	BATTERIES FOR UNINTERRPTIBLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC

LOCATION NO. 72

TS–2865
IDOT CENTRACS
FORMER ECON 204

TS SHT NO. 145

PLAN: SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. STAKED, STRUCTURE NOTATNS CHKD; NOTE BOOK; NO. ____; BY; DATE

PROFILE: SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. STAKED, CADD FILE NAME; NOTE BOOK; NO. ____; BY; DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
ECON204_05_MOD_IL58-Wolf.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

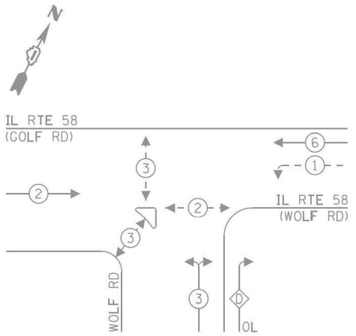
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 58 (GOLF ROAD) AND WOLF ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	153
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



LEGEND:

PROTECTED PHASE

PROTECTED/PERMITTED PHASE

PEDESTRIAN PHASE

OVERLAP

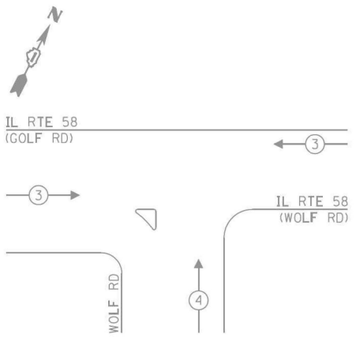
RIGHT TURN OVERLAP PHASE DESIGNATION:

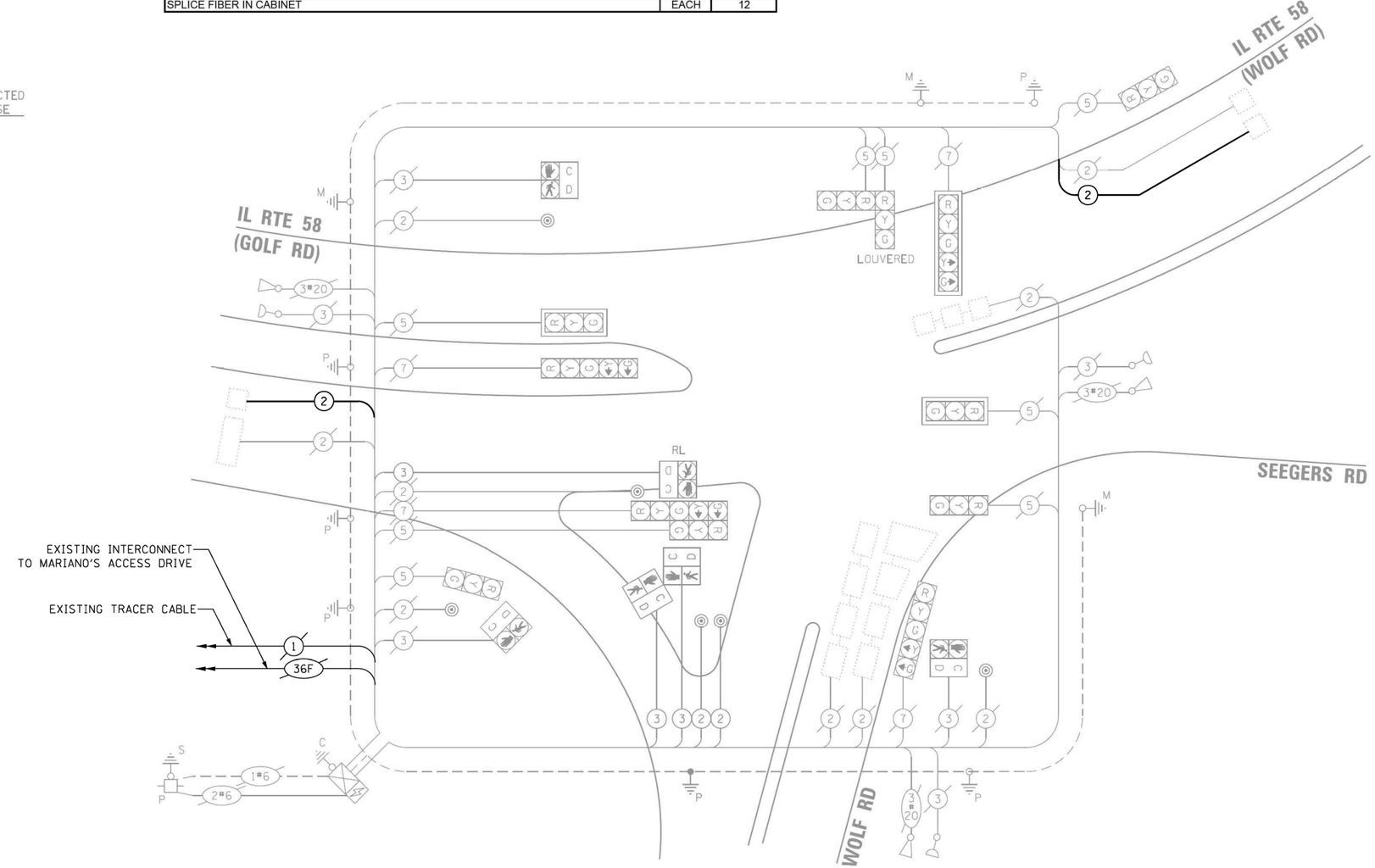
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	3	+	1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	591
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH ACCESS	EACH	1
SPLICE FIBER IN CABINET	EACH	12

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**430**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1035**

ENERGY COSTS TO:
VILLAGE OF DES PLAINES

1420 MINER STREET
DES PLAINES, IL 60016
ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMMONWEALTH EDISON

LOCATION NO. 72

TS–2865
IDOT CENTRACS
FORMER ECON 204

TS SHT NO. 146

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -
ECON204_06_CAB_IL58-Wolf.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, AND SEQUENCE OF OPERATIONS
IL ROUTE 58 (GOLF ROAD) AND WOLF ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	154
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. STAKED, STRUCTURE NOTATIONS CHKD — NOTE BOOK — NO. — BY — DATE

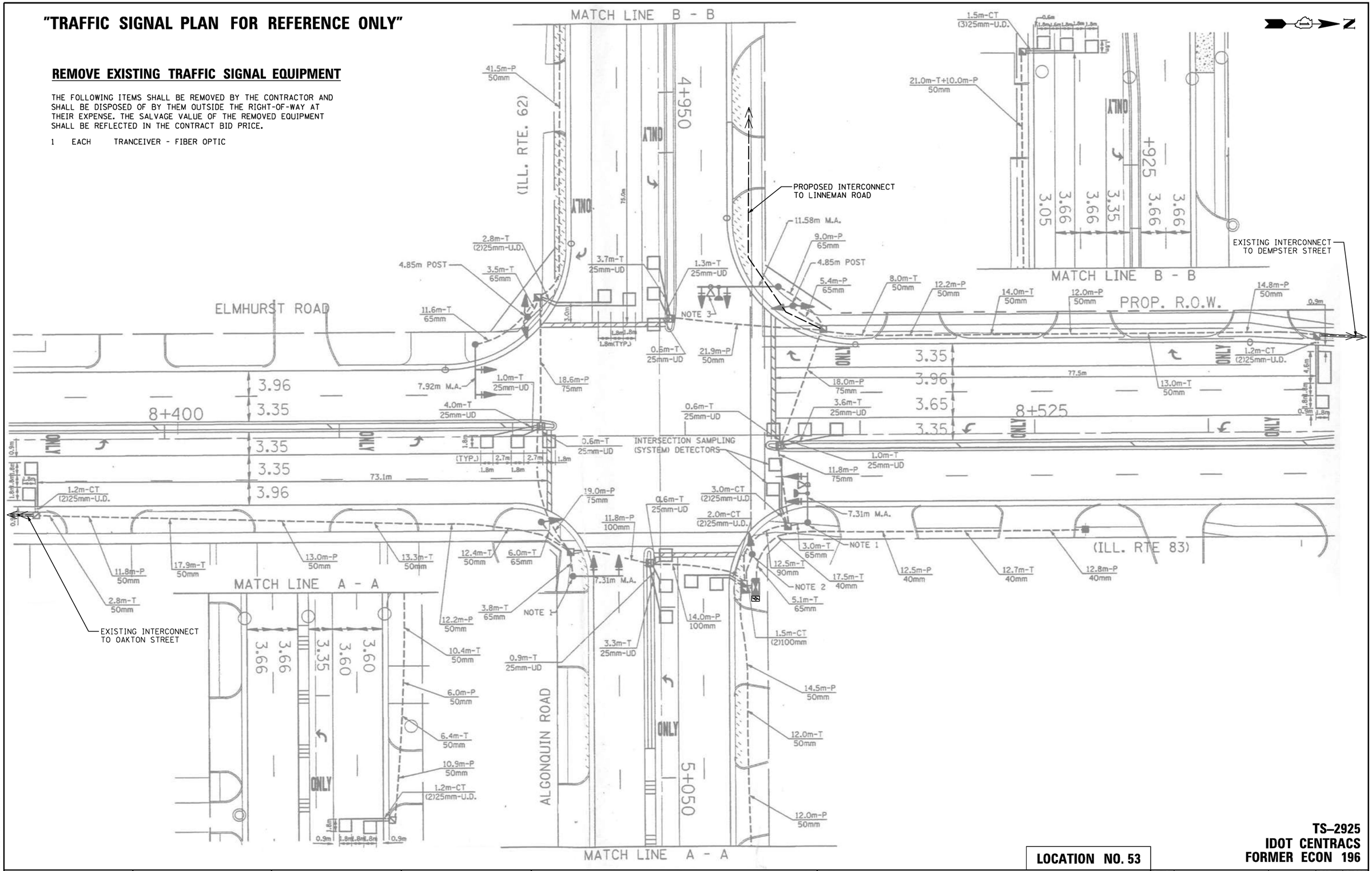
PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. STAKED, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

REMOVE 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 BID PRICE.

1 EACH TRANCEIVER - FIBER OPTIC



TS SHT NO. 147

TS–2925
IDOT CENTRACS
FORMER ECON 196

LOCATION NO. 53

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -
ECON196_01_MOD_IL83-Algonquin.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

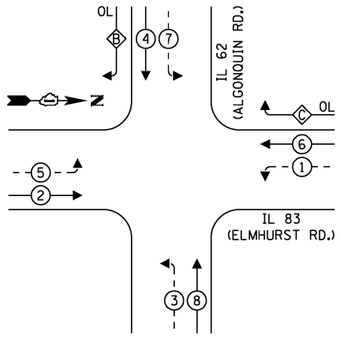
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (ELMHURST ROAD) AND IL ROUTE 62 (ALGONQUIN ROAD)

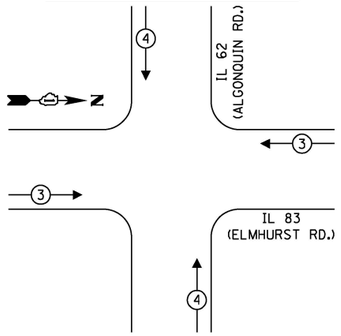
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	155
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

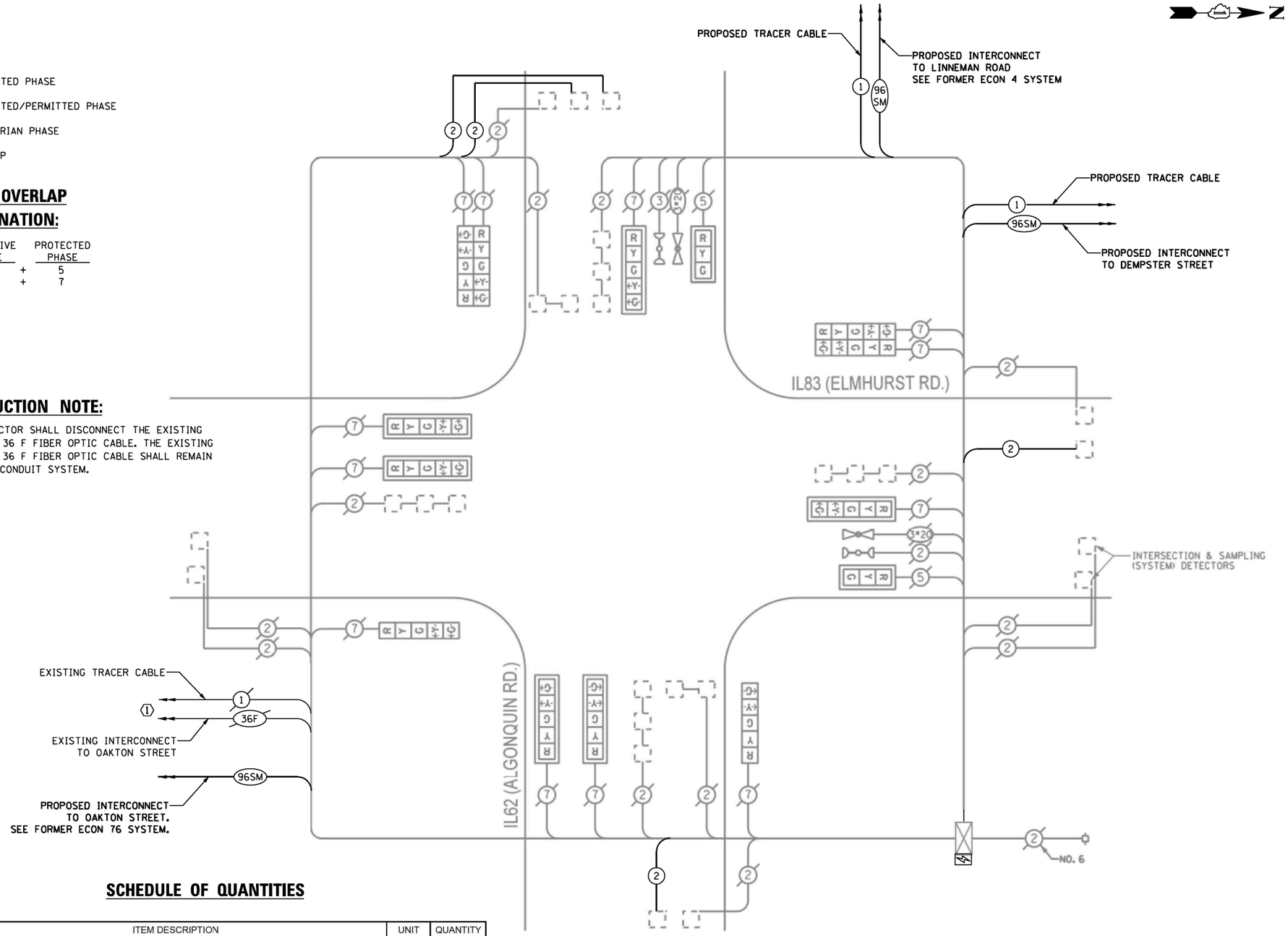
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL DISCONNECT THE EXISTING IDOT-OWNED 36 F FIBER OPTIC CABLE. THE EXISTING IDOT-OWNED 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	2	11	22
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**378**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**983**

ENERGY COSTS TO:

VILLAGE OF MOUNT PROSPECT
50 S. EMERSON STREET
MOUNT PROSPECT, ILLINOIS 60056

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1190
INDUCTIVE LOOP DETECTOR	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, DISTRIBUTION	EACH	1

CABLE PLAN

(NOT TO SCALE)

LOCATION NO. 53

TS–2925
IDOT CENTRACS
FORMER ECON 196

TS SHT NO. 148

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
ECON196_02_CAB_IL83-Algonquin.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (ELMHURST ROAD) AND IL ROUTE 62 (ALGONQUIN ROAD)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	156
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, CADD FILE NAME, NOTE BOOK, NO.

BY | DATE

REMOVE 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 BID PRICE.

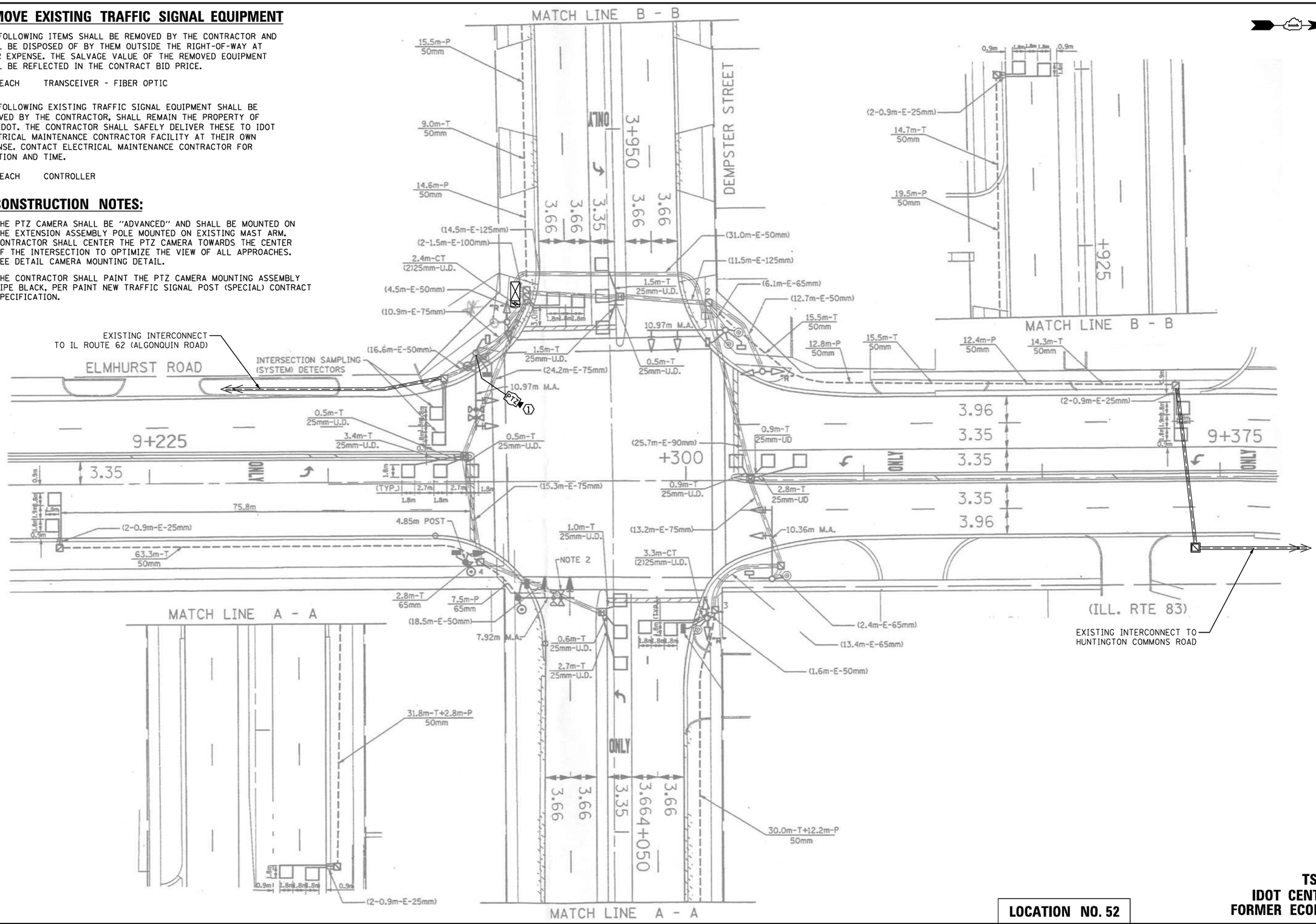
1 EACH TRANSCEIVER - FIBER OPTIC

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

1 EACH CONTROLLER

CONSTRUCTION NOTES:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.
2. THE CONTRACTOR SHALL PAINT THE PTZ CAMERA MOUNTING ASSEMBLY PIPE BLACK, PER PAINT NEW TRAFFIC SIGNAL POST (SPECIAL) CONTRACT SPECIFICATION.



LOCATION NO. 52

TS–3405
IDOT CENTRACS
FORMER ECON 196

USER NAME = fbariso	DESIGNED - BC	REVISED -	
ECON196_03_MOD_IL83-Dempster.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (ELMHURST ROAD) AND DEMPSTER STREET

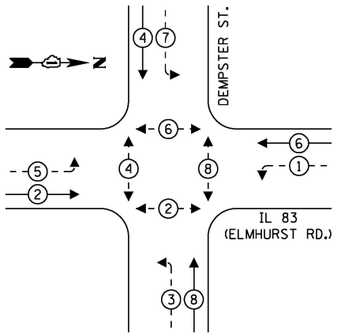
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	157
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

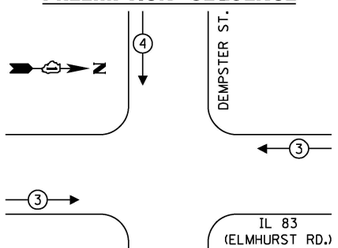
PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE NOTATNS CHKD — BY — DATE
PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, AS BUILT REVISED, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE
CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

TS SHT NO. 149

EXISTING CONTROLLER SEQUENCE

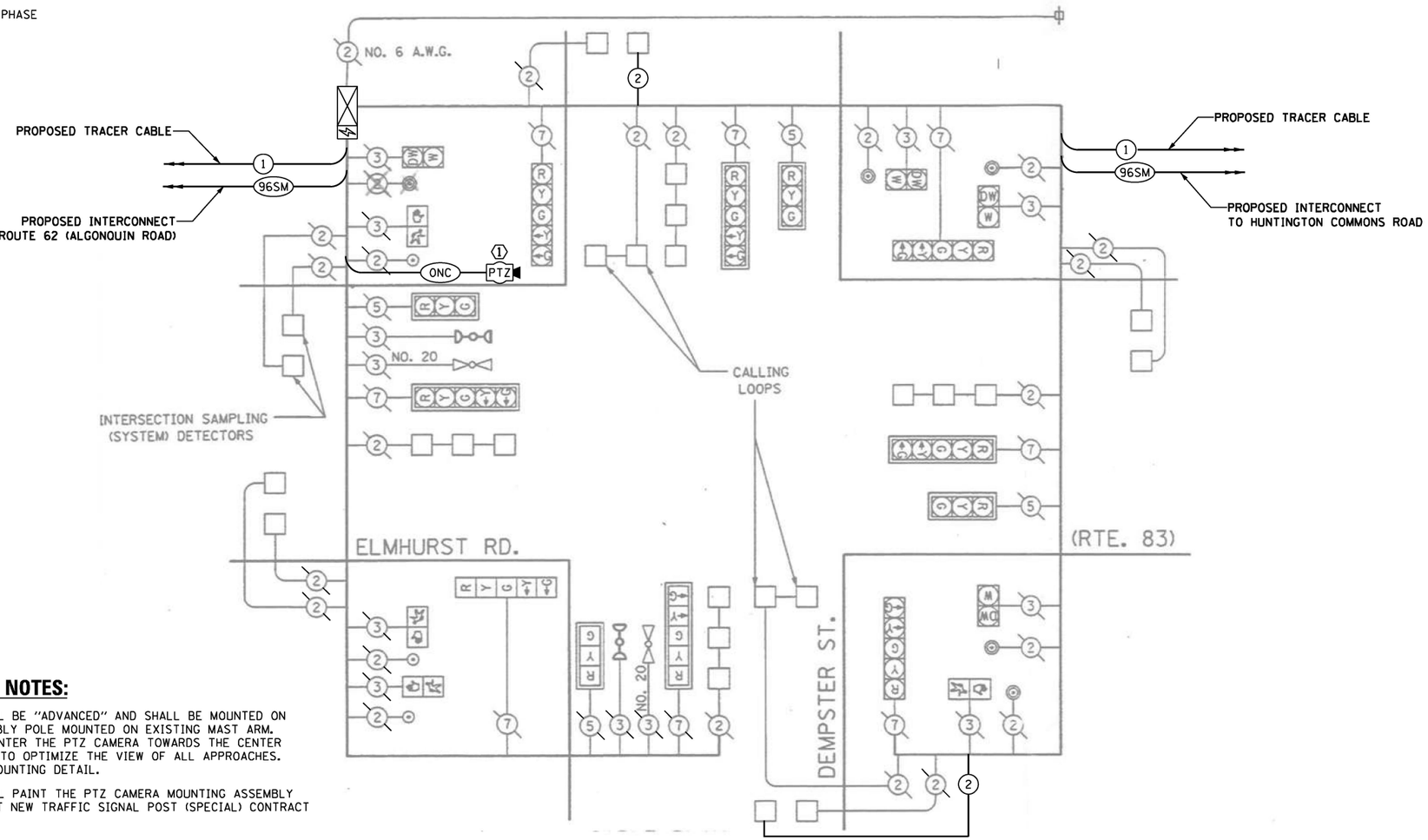


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTES:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.
2. THE CONTRACTOR SHALL PAINT THE PTZ CAMERA MOUNTING ASSEMBLY PIPE BLACK, PER PAINT NEW TRAFFIC SIGNAL POST (SPECIAL) CONTRACT SPECIFICATION.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**468**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			**1148**

ENERGY COSTS TO:

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

ENERGY SUPPLY: CONTACT: -
PHONE: -
COMPANY: COMED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	834
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	101
PAINT NEW TRAFFIC SIGNAL POST (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

LOCATION NO. 52

TS–3405
IDOT CENTRACS
FORMER ECON 196

TS SHT NO. 150

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BASE MAPPED / STRUCTURE — NOTATNS CHKD — BY — DATE
PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / AS BUILT MKD / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
	ECON196_04_CAB_IL83-Dempster.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (ELMHURST ROAD) AND DEMPSTER STREET

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	158
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

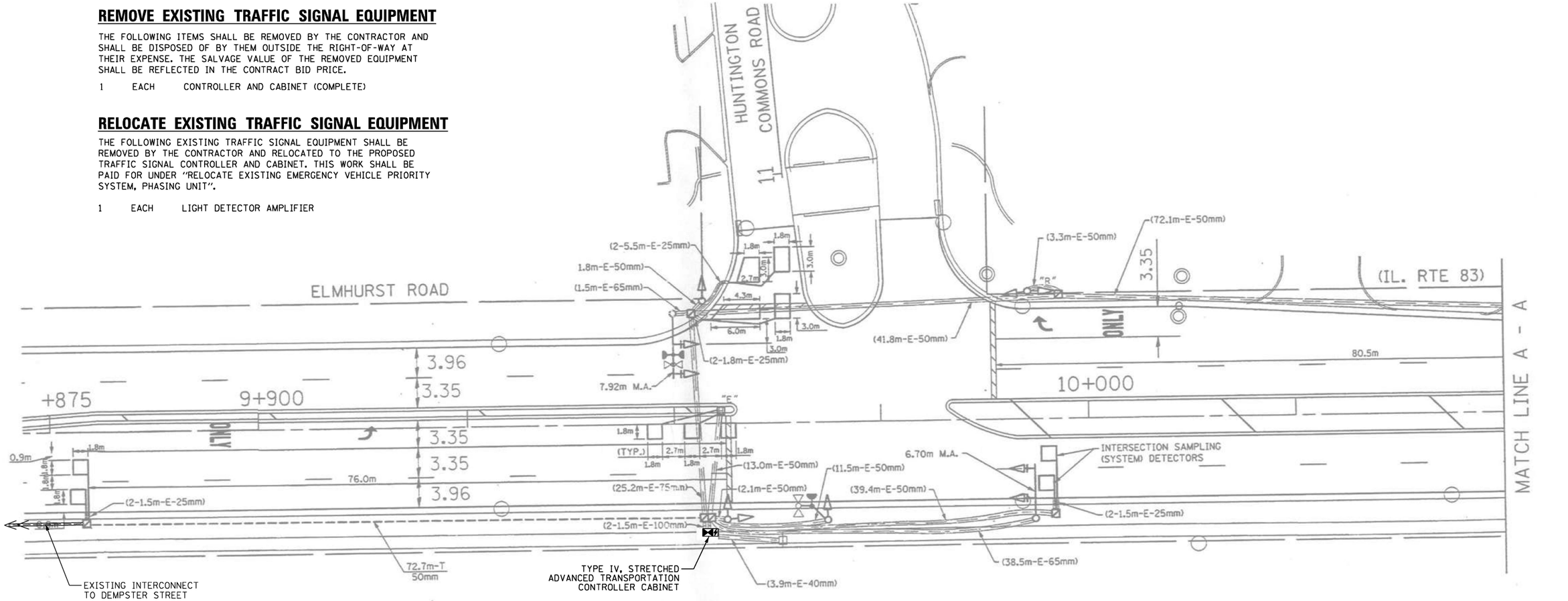
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

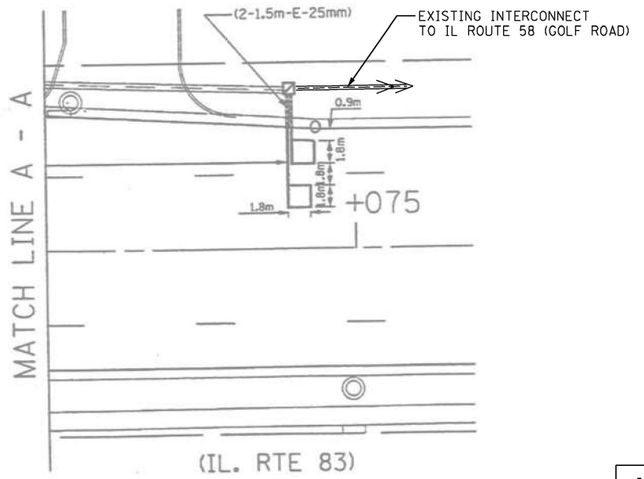
1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH LIGHT DETECTOR AMPLIFIER





TS-3535
IDOT CENTRACS
FORMER ECON 196

LOCATION NO. 51

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON196_05_MOD_IL83-Huntington.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (ELMHURST ROAD) AND HUNTINGTON COMMONS ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	159
		CONTRACT NO. 62W82		

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

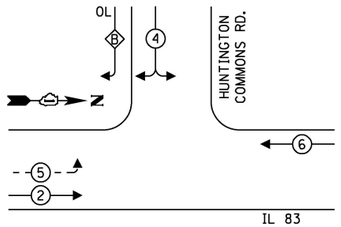
PLAN: NOTE BOOK NO. ___ | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME ___ | BY | DATE

PROFILE: NOTE BOOK NO. ___ | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTAT'NS CH'KD | BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

TS SHT NO. 151

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



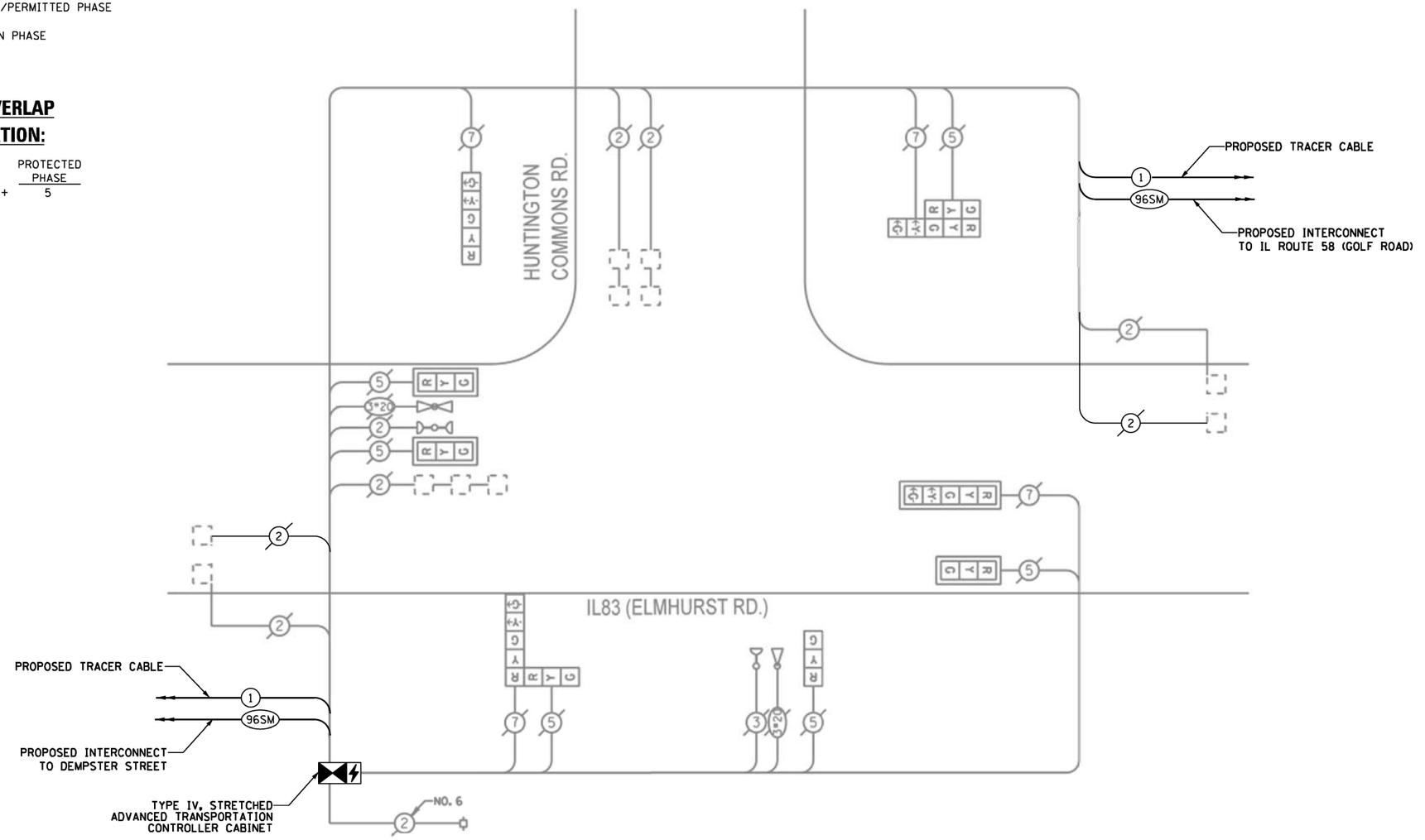
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**318**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**923**

ENERGY COSTS TO:

VILLAGE OF MOUNT PROSPECT
50 S. EMERSON STREET
MOUNT PROSPECT, ILLINOIS 60056

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



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	7
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TS SHT NO. 152

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN / PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHKD, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

USER NAME = fberiso	DESIGNED - BC	REVISED -	
ECON196_06_CAB_IL83-Huntington.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (ELMHURST ROAD) AND HUNTINGTON COMMONS ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

LOCATION NO. 51

TS–3535
IDOT CENTRACS
FORMER ECON 196

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	160
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

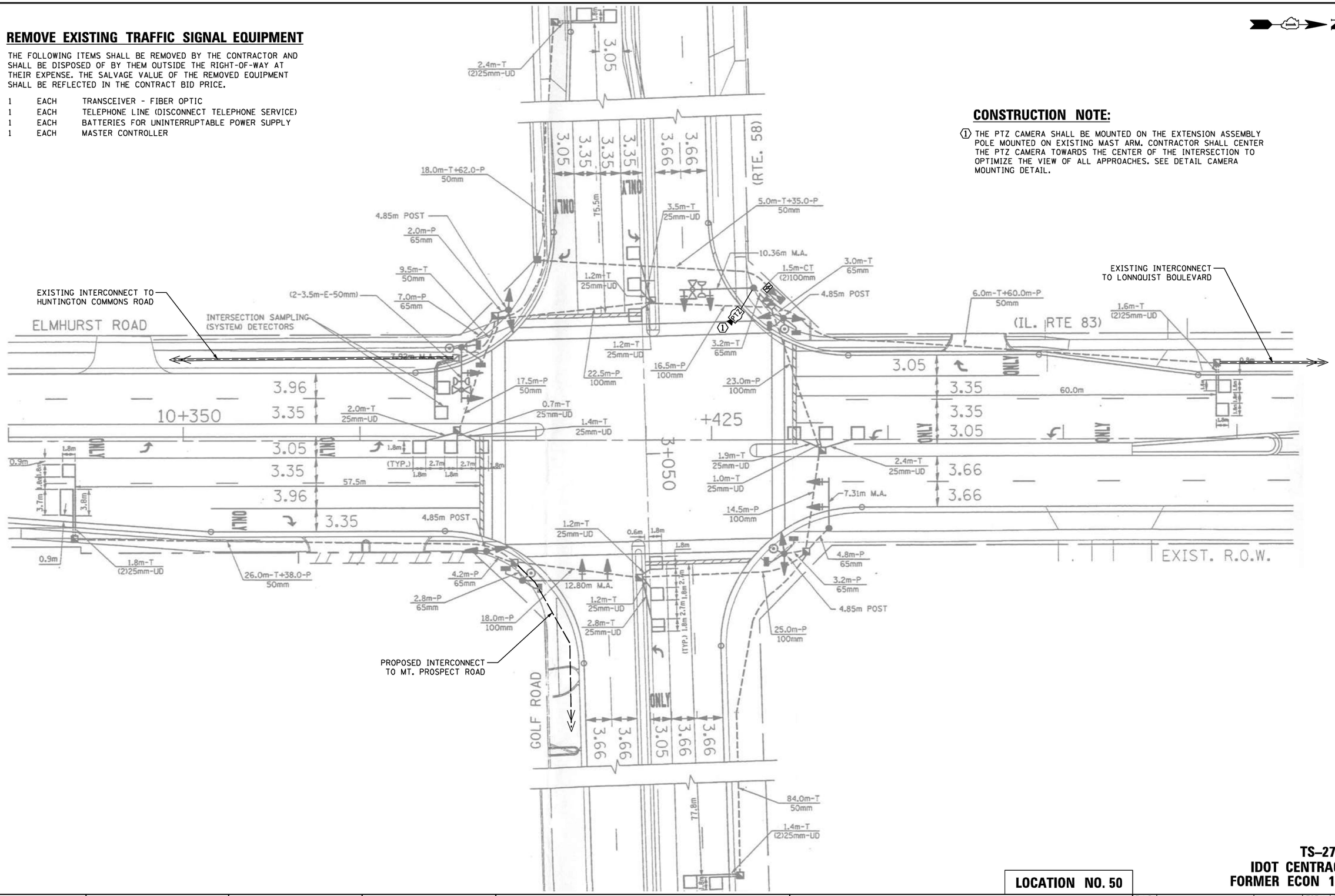
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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 BID PRICE.

1	EACH	TRANSCEIVER - FIBER OPTIC
1	EACH	TELEPHONE LINE (DISCONNECT TELEPHONE SERVICE)
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	MASTER CONTROLLER

CONSTRUCTION NOTE:

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



LOCATION NO. 50

TS–2715
IDOT CENTRACS
FORMER ECON 196

TS SHT NO. 153

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. STAKED, NOTE BOOK, NO., CADD FILE NAME, BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. STAKED, NOTE BOOK, NO., STRUCTURE NO(S), CHK'D, BY, DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
ECON196_07_MOD_IL83-Golf Rd.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

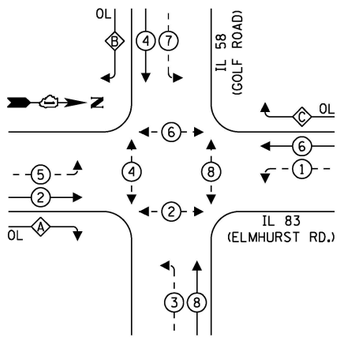
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (ELMHURST ROAD) AND IL ROUTE 58 (GOLF ROAD)

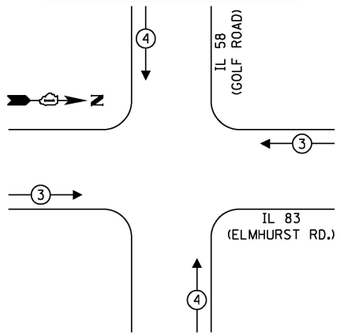
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	161
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



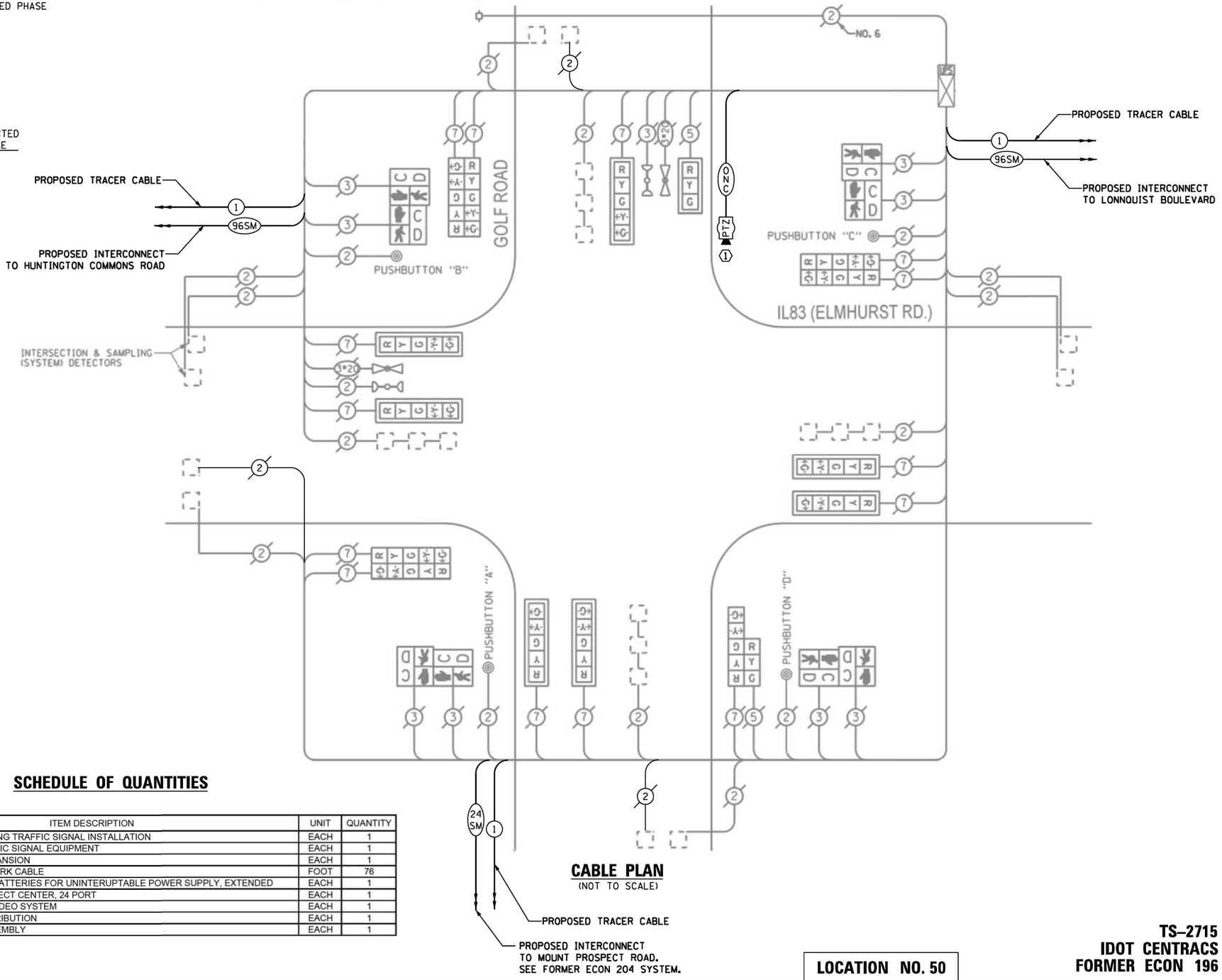
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	2	11	22
4-SECTION	-	14	-
5-SECTION	14	13	182
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**524**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			**1204**

ENERGY COSTS TO:
VILLAGE OF MOUNT PROSPECT
50 S. EMERSON STREET
MOUNT PROSPECT, ILLINOIS 60056
ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	76
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, DISTRIBUTION	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

LOCATION NO. 50

TS-2715
IDOT CENTRACS
FORMER ECON 196

TS SHT NO. 154

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. STRUCTURE NO. — NOTE BOOK — NOTATNS CHKD — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTS, CADD FILE NAME, NOTE BOOK, NO. — BY — DATE

USER NAME = fberiso	DESIGNED - BC	REVISED -	
ECON196_08_CAB_IL83-Golf Rd.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (ELMHURST ROAD) AND IL ROUTE 58 (GOLF ROAD)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

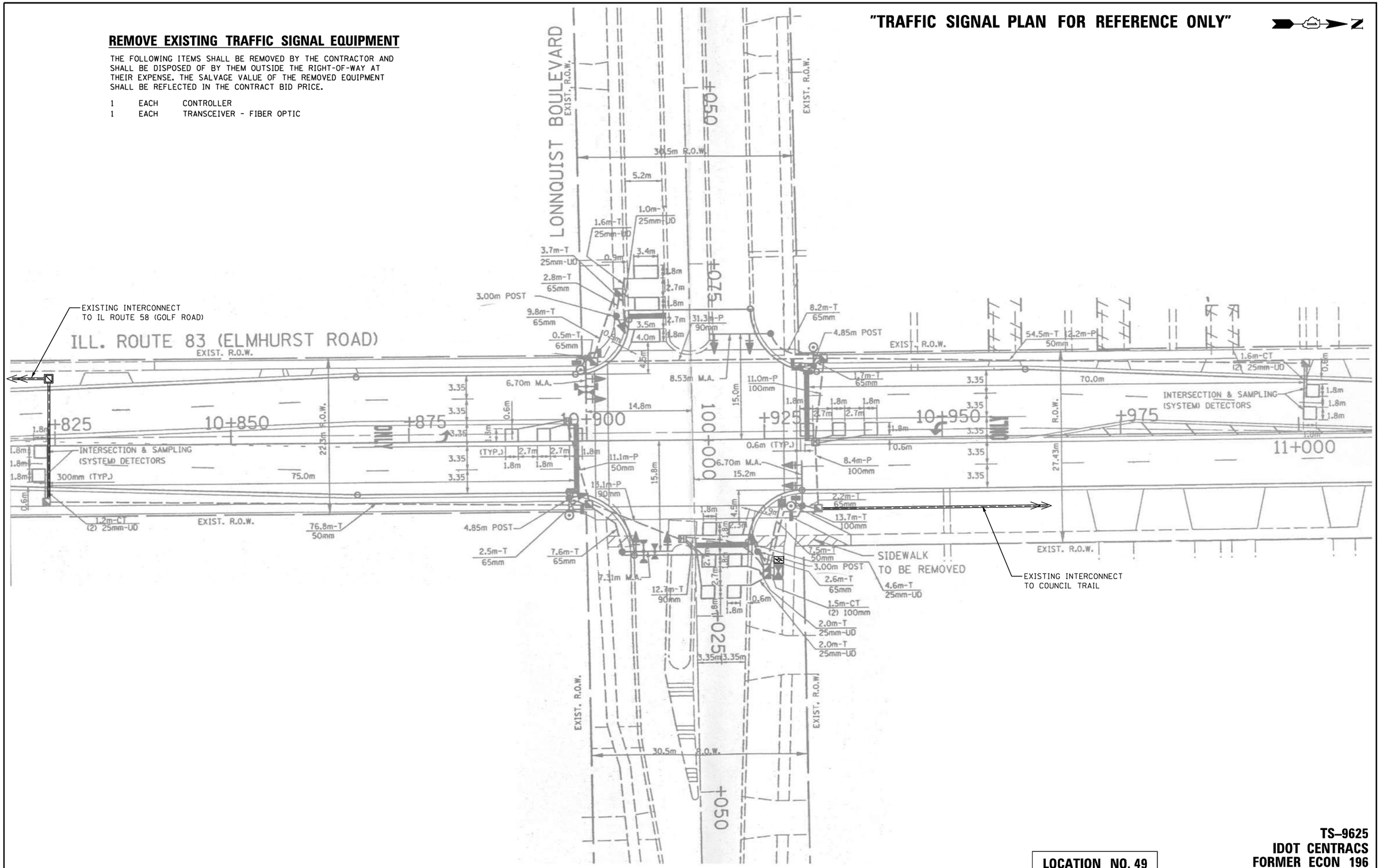
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	162
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

REMOVE 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 BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER - FIBER OPTIC



TS-9625
IDOT CENTRACS
FORMER ECON 196

LOCATION NO. 49

TS SHT NO. 155

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON196_09_MOD_IL83-Lonnquist.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

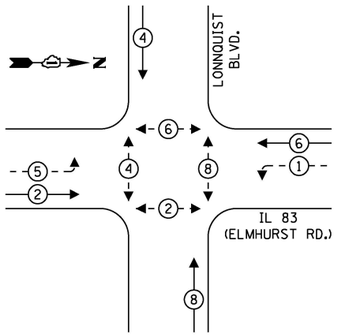
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (ELMHURST ROAD) AND LONNQUIST BOULEVARD

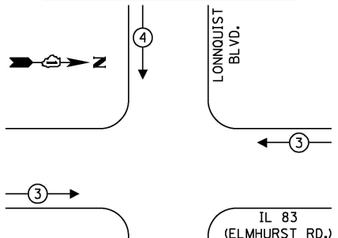
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	163
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



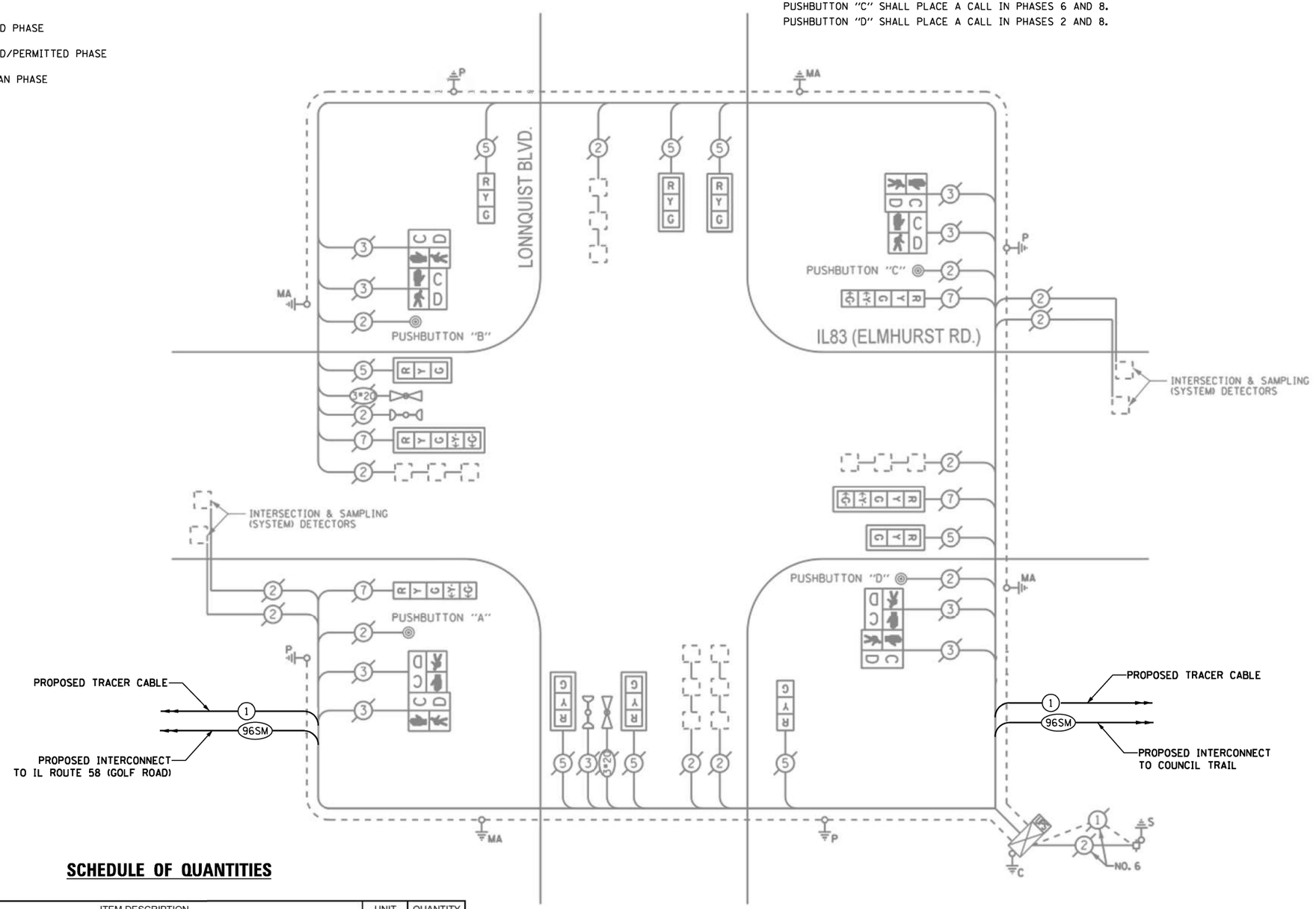
EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**460**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**1065**

ENERGY COSTS TO:
VILLAGE OF MOUNT PROSPECT
50 S. EMERSON STREET
MOUNT PROSPECT, ILLINOIS 60056
ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	6
NETWORK SWITCH, ACCESS	EACH	1

CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 156

PROFILE SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

PLAN SURVEYED / PLOTTED / ALIGNMENT CHECKED / AS MARKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON196_10_CAB_IL83-Lonnquist.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (ELMHURST ROAD) AND LONNQUIST BOULEVARD
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

LOCATION NO. 49

TS–9625
IDOT CENTRACS
FORMER ECON 196

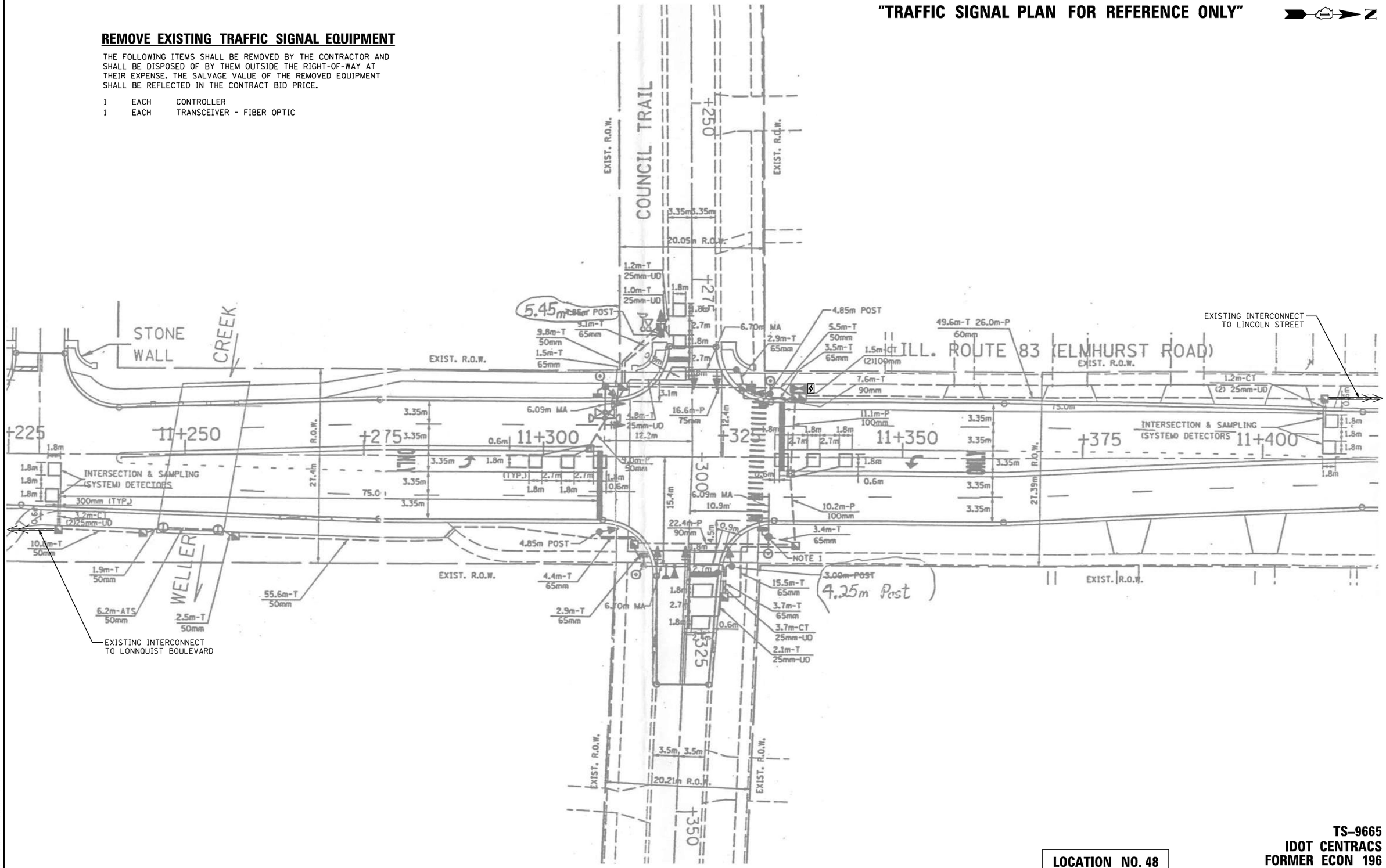
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	164
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

REMOVE 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 BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER - FIBER OPTIC



TS-9665
IDOT CENTRACS
FORMER ECON 196

LOCATION NO. 48

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON196_11_MOD_IL83-Council.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (ELMHURST ROAD) AND COUNCIL TRAIL

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	165
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

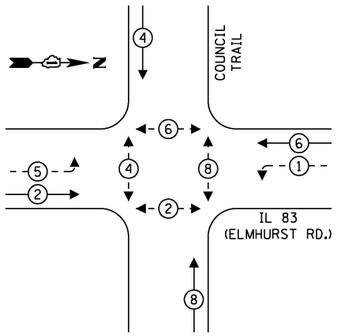
PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

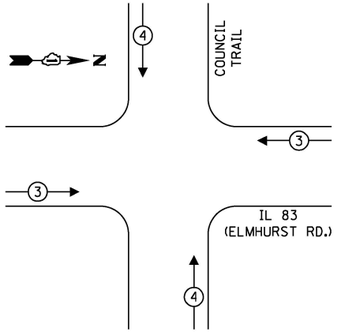
CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 157

EXISTING CONTROLLER SEQUENCE

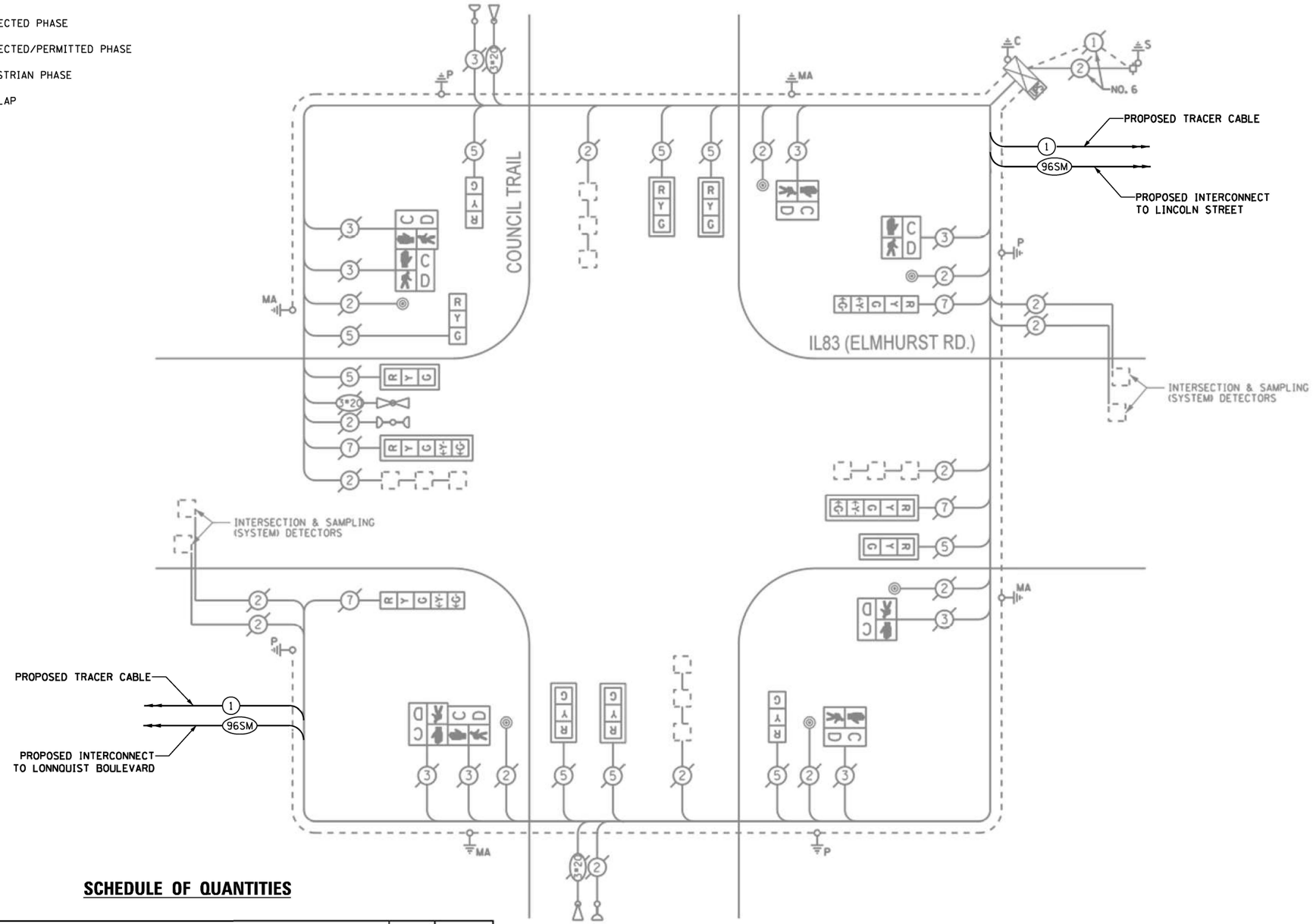


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	9	11	99
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			471
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			1076

ENERGY COSTS TO:

VILLAGE OF MOUNT PROSPECT
50 S. EMERSON STREET
MOUNT PROSPECT, ILLINOIS 60056

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TS SHT NO. 158

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

LOCATION NO. 48

TS–9665
IDOT CENTRACS
FORMER ECON 196

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
ECON196_12_CAB_IL83-Council.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

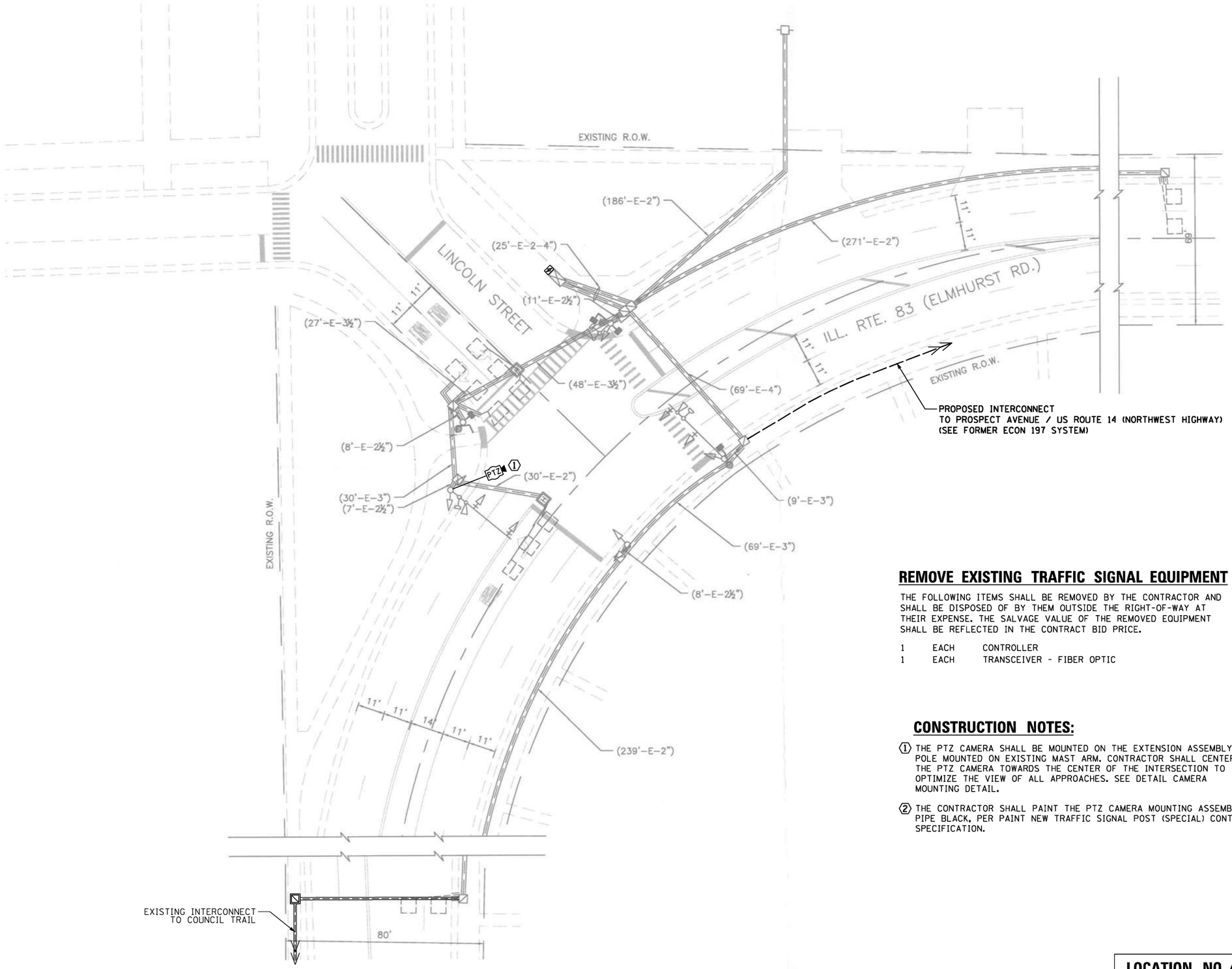
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (ELMHURST ROAD) AND COUNCIL TRAIL

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	166
		CONTRACT NO. 62W82		

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



REMOVE 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 BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER - FIBER OPTIC

CONSTRUCTION NOTES:

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

(2) THE CONTRACTOR SHALL PAINT THE PTZ CAMERA MOUNTING ASSEMBLY PIPE BLACK, PER PAINT NEW TRAFFIC SIGNAL POST (SPECIAL) CONTRACT SPECIFICATION.

LOCATION NO. 47

TS–9670
IDOT CENTRACS
FORMER ECON 196

PLAN — SURVEYED — BY — DATE
NOTE BOOK — PLOTTED
NO. ____ — ALIGNMENT CHECKED — FIELD BOOK NO. ____ — CHECKED — CADD FILE NAME ____

PROFILE — SURVEYED — BY — DATE
NOTE BOOK — PLOTTED — GRADES CHECKED — R.R. & HWY. CROSS. — STRUCTURE NO(S)/PINS — CHK'D
NO. ____

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 159

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
	ECON196_13_MOD_IL83-Lincoln.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

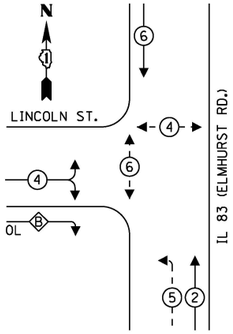
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (ELMHURST ROAD) AND LINCOLN STREET

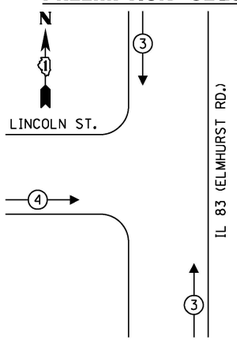
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	167
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			400
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			1080

ENERGY COSTS TO:

VILLAGE OF MOUNT PROSPECT
50 S. EMERSON STREET
MOUNT PROSPECT, ILLINOIS 60056

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

CONSTRUCTION NOTES:

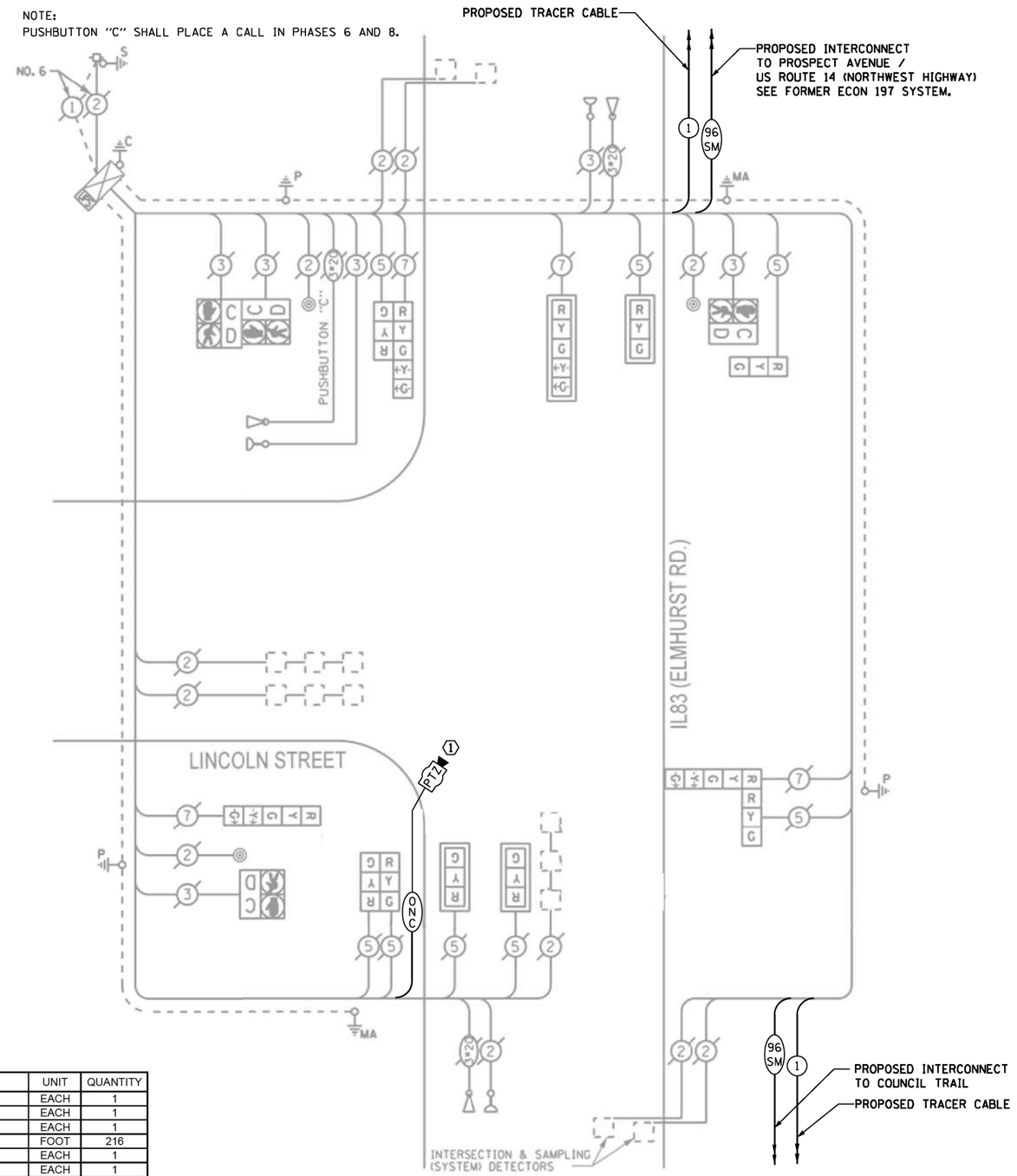
(1) THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

(2) THE CONTRACTOR SHALL PAINT THE PTZ CAMERA MOUNTING ASSEMBLY PIPE BLACK, PER PAINT NEW TRAFFIC SIGNAL POST (SPECIAL) CONTRACT SPECIFICATION.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	216
PAINT NEW TRAFFIC SIGNAL POST (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

NOTE:
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.



CABLE PLAN
(NOT TO SCALE)

LOCATION NO. 47

TS–9670
IDOT CENTRACS
FORMER ECON 196

TS SHT NO. 160

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, STRUCTURE, NOTATNS CHKD, NOTE BOOK, NO.
PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, ALL NOTATNS CHKD, CADD FILE NAME, NOTE BOOK, NO.
DATE, BY

USER NAME = fbarisa	DESIGNED - BC	REVISED -	
ECON196_14_CAB_IL83-Lincoln.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (ELMHURST ROAD) AND LINCOLN STREET

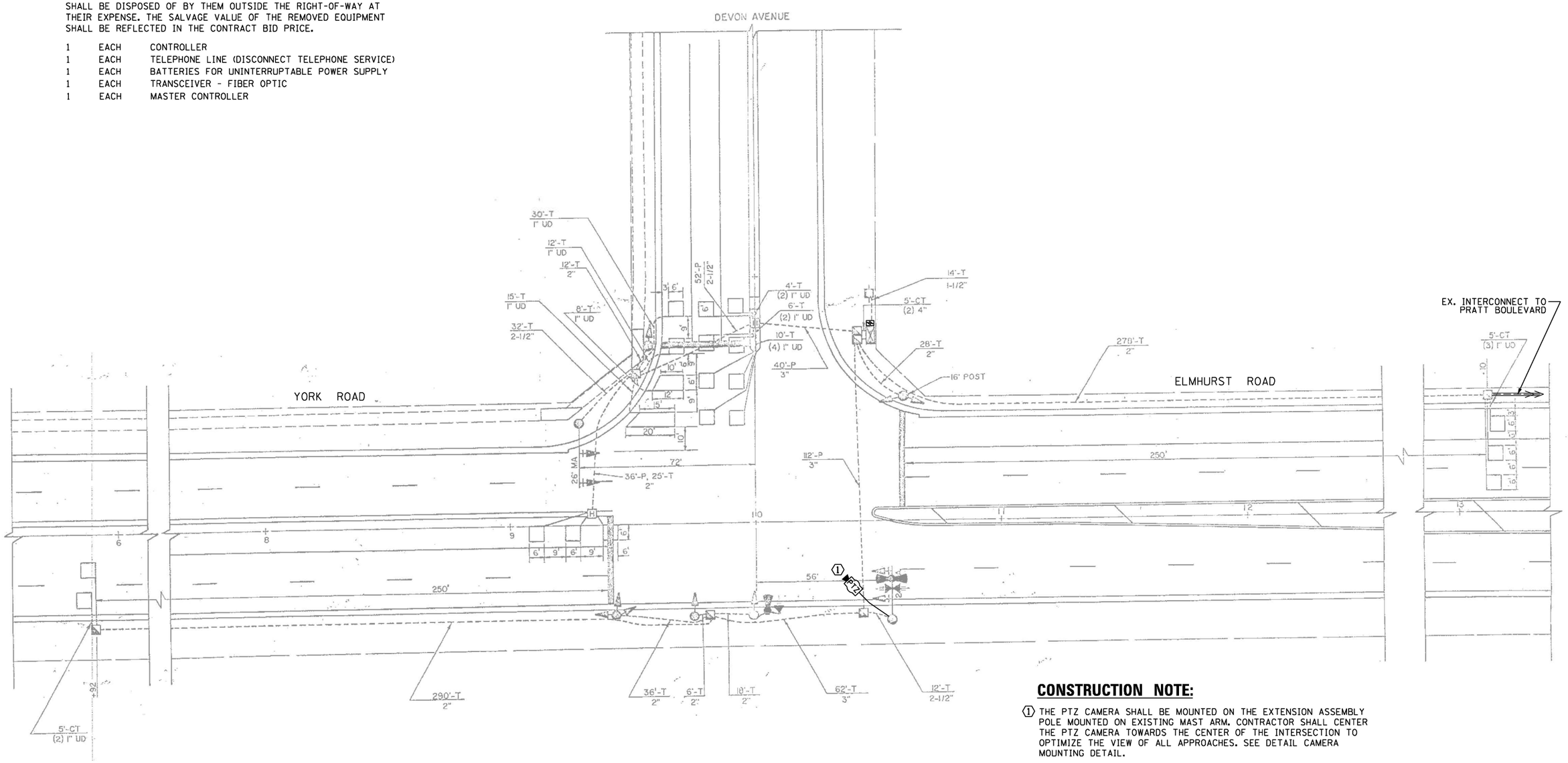
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	168
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE 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 BID PRICE.

1	EACH	CONTROLLER
1	EACH	TELEPHONE LINE (DISCONNECT TELEPHONE SERVICE)
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC
1	EACH	MASTER CONTROLLER



CONSTRUCTION NOTE:

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

LOCATION NO. 62

TS–5080
IDOT CENTRACS
FORMER ECON 76

TS SHT NO. 161

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, R.O.W. MONUMENTED, CADD FILE NAME, NOTE BOOK, NO. — BY — DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	ECON76_01_MOD_Elmhurst-Devon.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

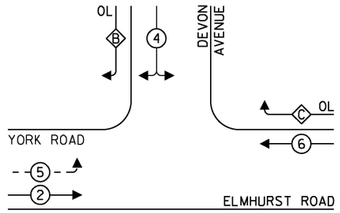
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
YORK ROAD / ELMHURST ROAD AND DEVON AVENUE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	169
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



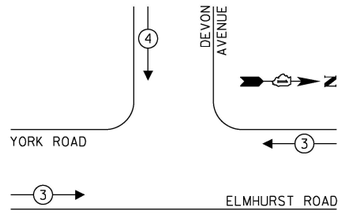
LEGEND:

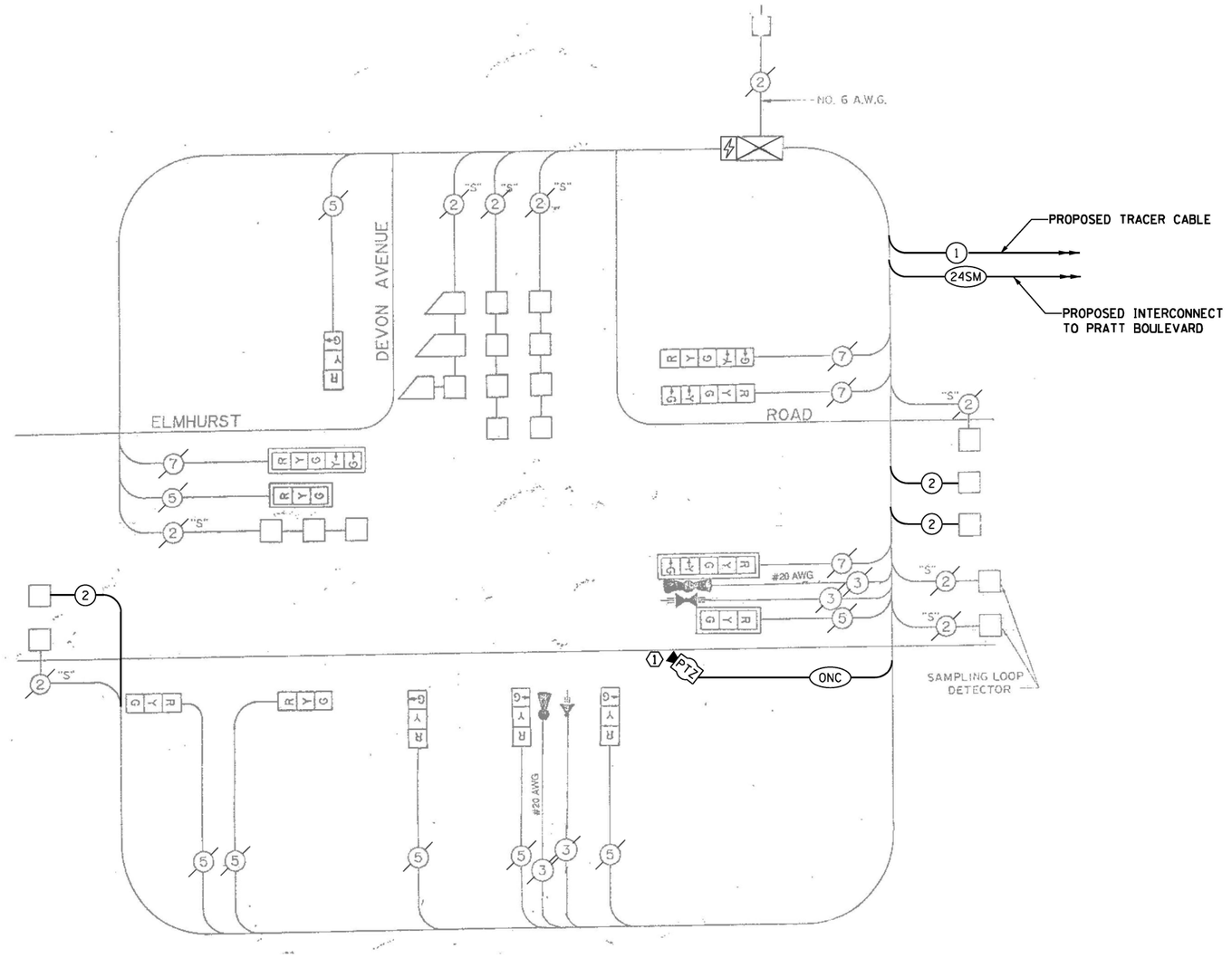
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**340**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1020**

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1138
INDUCTIVE LOOP DETECTOR	EACH	3
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	195
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

CABLE PLAN

(NOT TO SCALE)

CONSTRUCTION NOTE:

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

TS SHT NO. 162

LOCATION NO. 62

TS–5080
IDOT CENTRACS
FORMER ECON 76

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -
ECON76_02_CAB_Elmhurst-Devon.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
YORK ROAD / ELMHURST ROAD AND DEVON AVENUE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	170
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE — NOTATNS CH'KD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

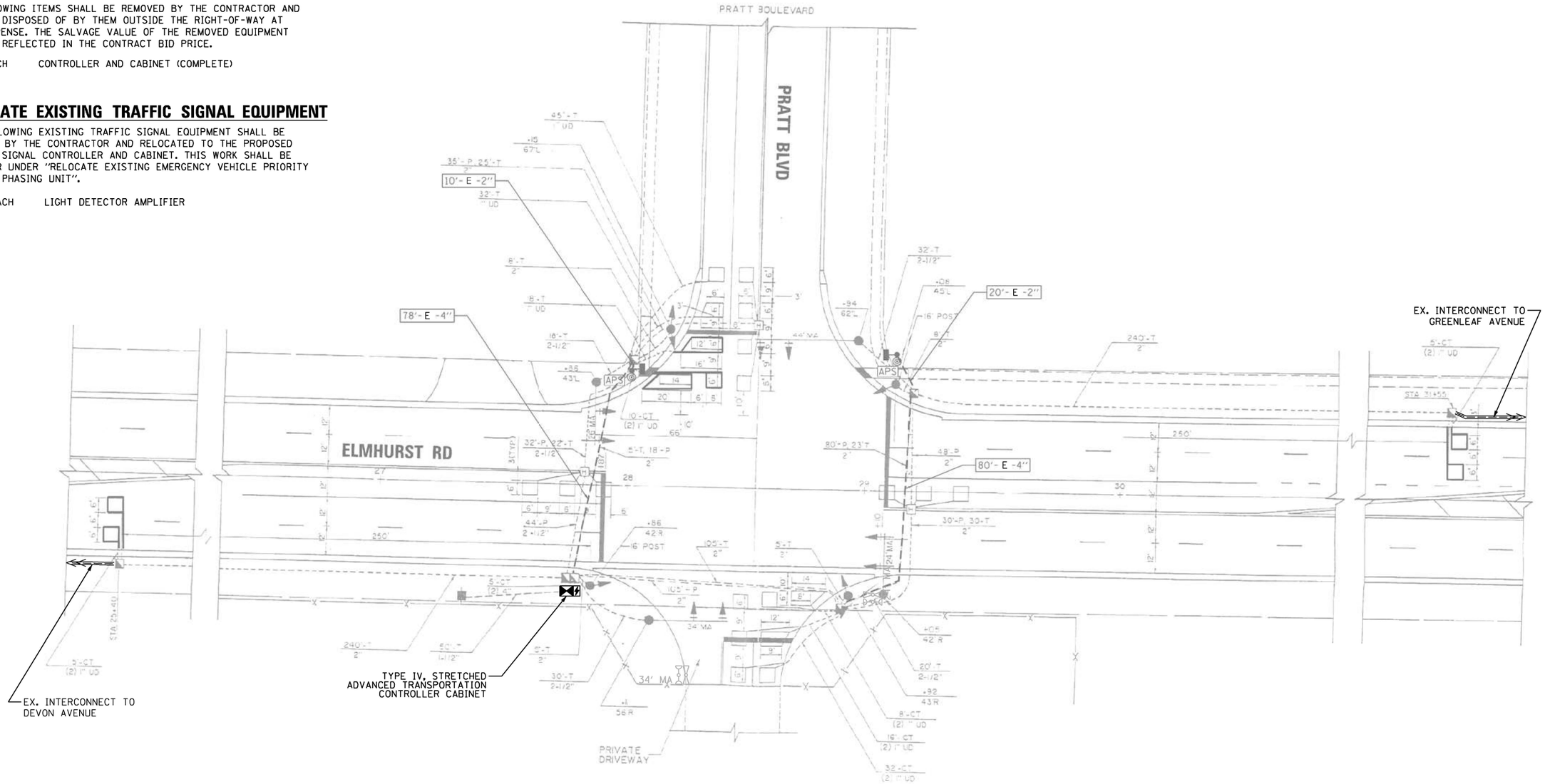
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO. 163

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS–21150
IDOT CENTRACS
FORMER ECON 76

LOCATION NO. 61

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON76_03_MOD_Elmhurst-Pratt.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

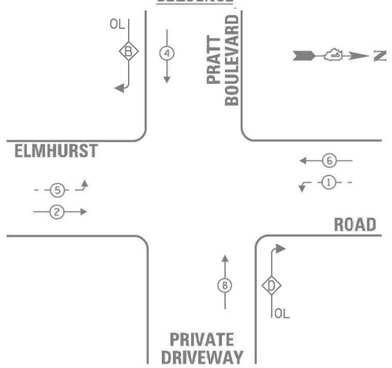
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ELMHURST ROAD AND PRATT BOULEVARD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	171
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



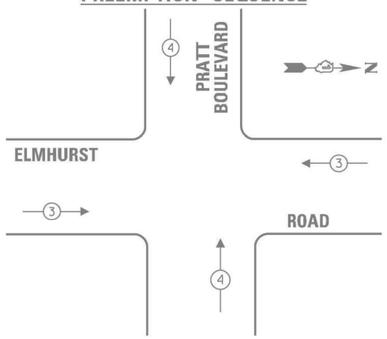
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



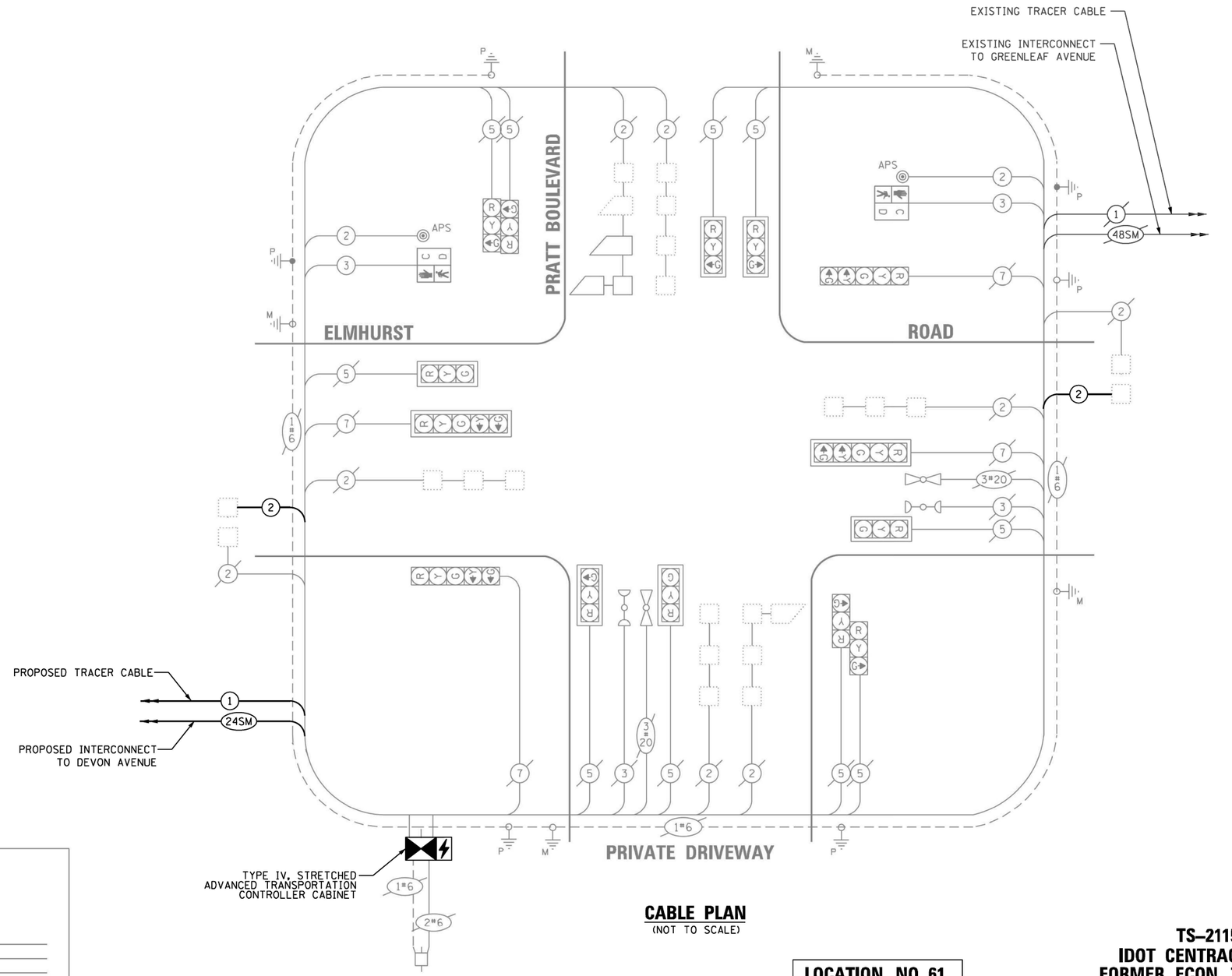
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	736
INDUCTIVE LOOP DETECTOR	EACH	10
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH ACCESS	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			367
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			972

ENERGY COSTS TO:
ELK GROVE VILLAGE
901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007
ENERGY SUPPLY:
CONTACT: New Business Dept
PHONE: (866) 639-3532
COMPANY: ComEd
ACCOUNT NUMBER: 22630-09045



CABLE PLAN
(NOT TO SCALE)

LOCATION NO. 61

TS–21150
IDOT CENTRACS
FORMER ECON 76

TS SHT NO. 164

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: NOTE BOOK ___ NO. ___ — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, R.O.W. MONUMENTED, CADD FILE NAME ___ — BY ___ DATE ___
PROFILE: NOTE BOOK ___ NO. ___ — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATIONS CHKD — BY ___ DATE ___

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = bchavez	DESIGNED - BC	REVISED -
	ECON76_04_CAB_Elmhurst-Pratt.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ELMHURST ROAD AND PRATT BOULEVARD
SCALE: NOT TO SCALE | SHEET NO. ___ OF ___ SHEETS | STA. ___ TO STA. ___

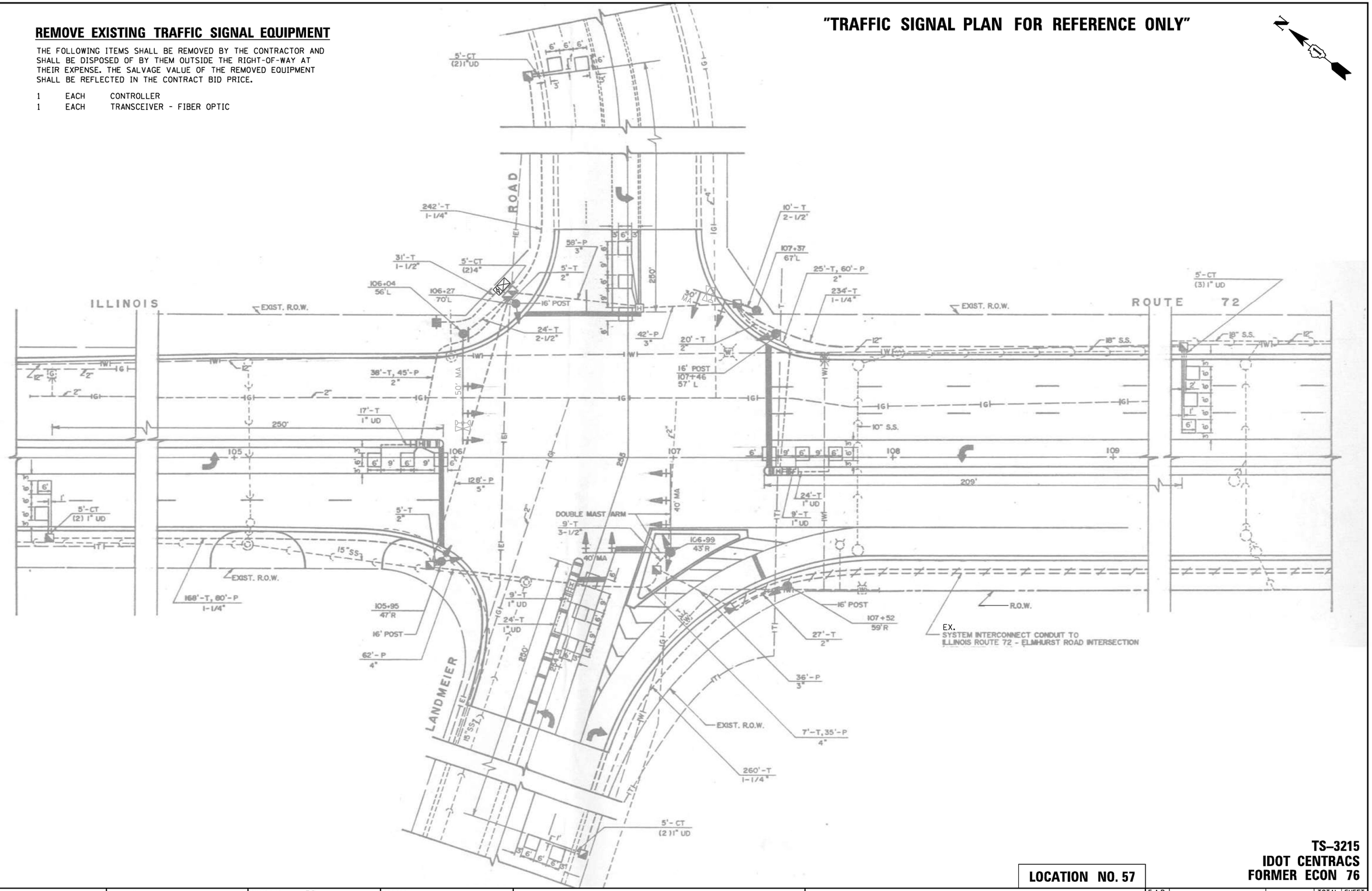
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	172
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE 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 BID PRICE.

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER - FIBER OPTIC

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



TS-3215
IDOT CENTRACS
FORMER ECON 76

LOCATION NO. 57

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON76_05_MOD_IL72(Higgins)-Landmeier.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 72 (HIGGINS ROAD) AND LANDMEIER ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	173
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

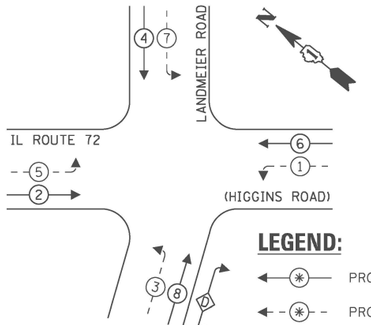
PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

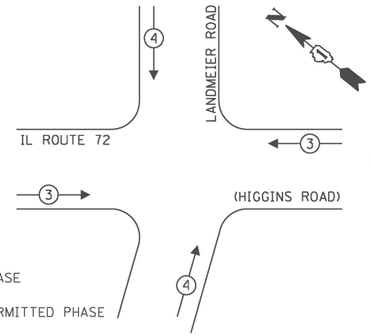
PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CH'KD / NOTE BOOK NO. / BY / DATE

TS SHT NO. 165

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

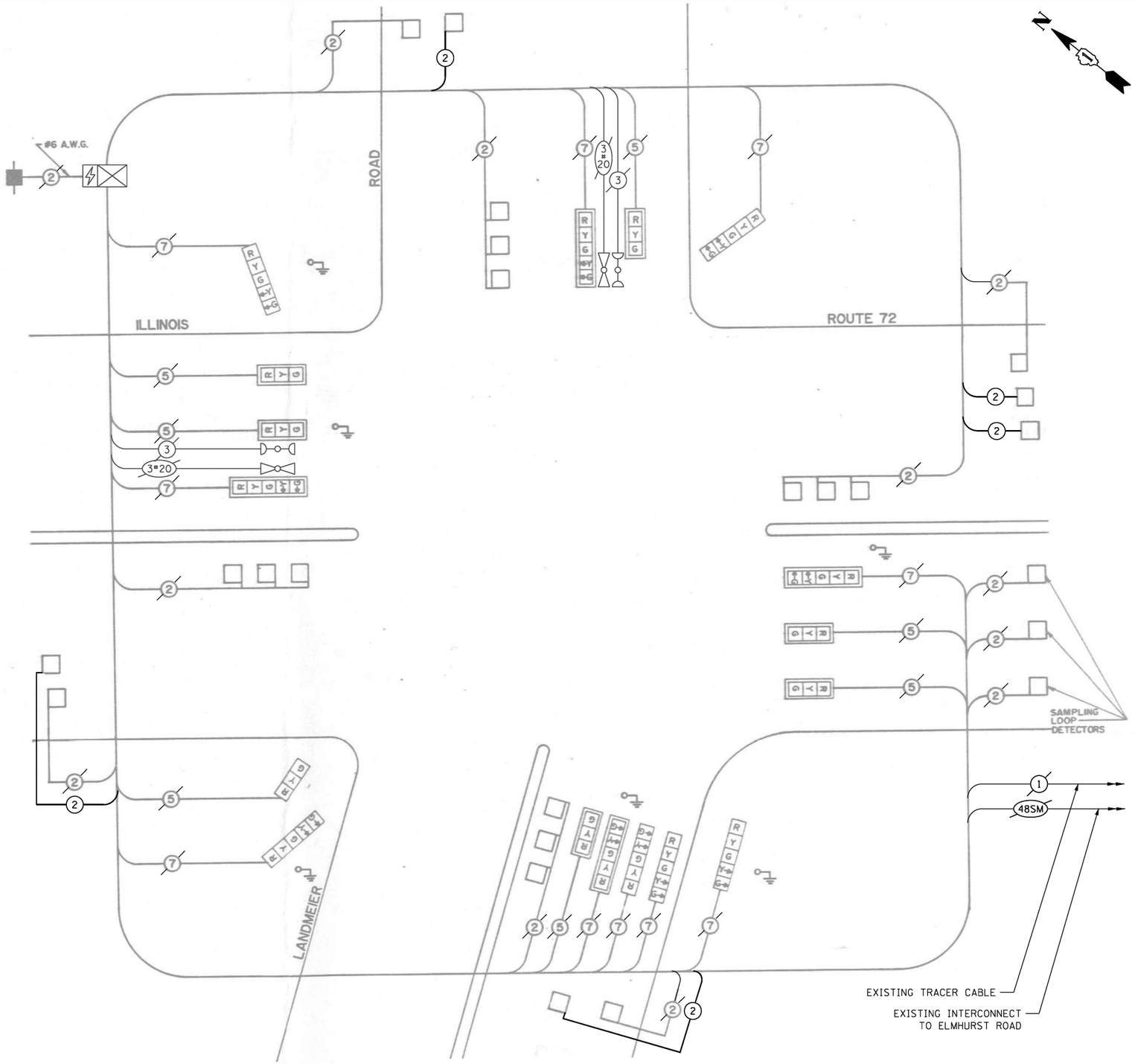
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2018
INDUCTIVE LOOP DETECTOR	EACH	16
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH ACCESS	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	7	11	77
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**382**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**987**



CABLE PLAN
(NOT TO SCALE)

LOCATION NO. 57

TS–3215
IDOT CENTRACS
FORMER ECON 76

TS SHT NO. 166

PLAN — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME ___ — BY — DATE

PROFILE — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = bchavez	DESIGNED - BC	REVISED -
	ECON76_06_CAB_IL72(Higgins)-Landmeier.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL ROUTE 72 (HIGGINS ROAD) AND LANDMEIER ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

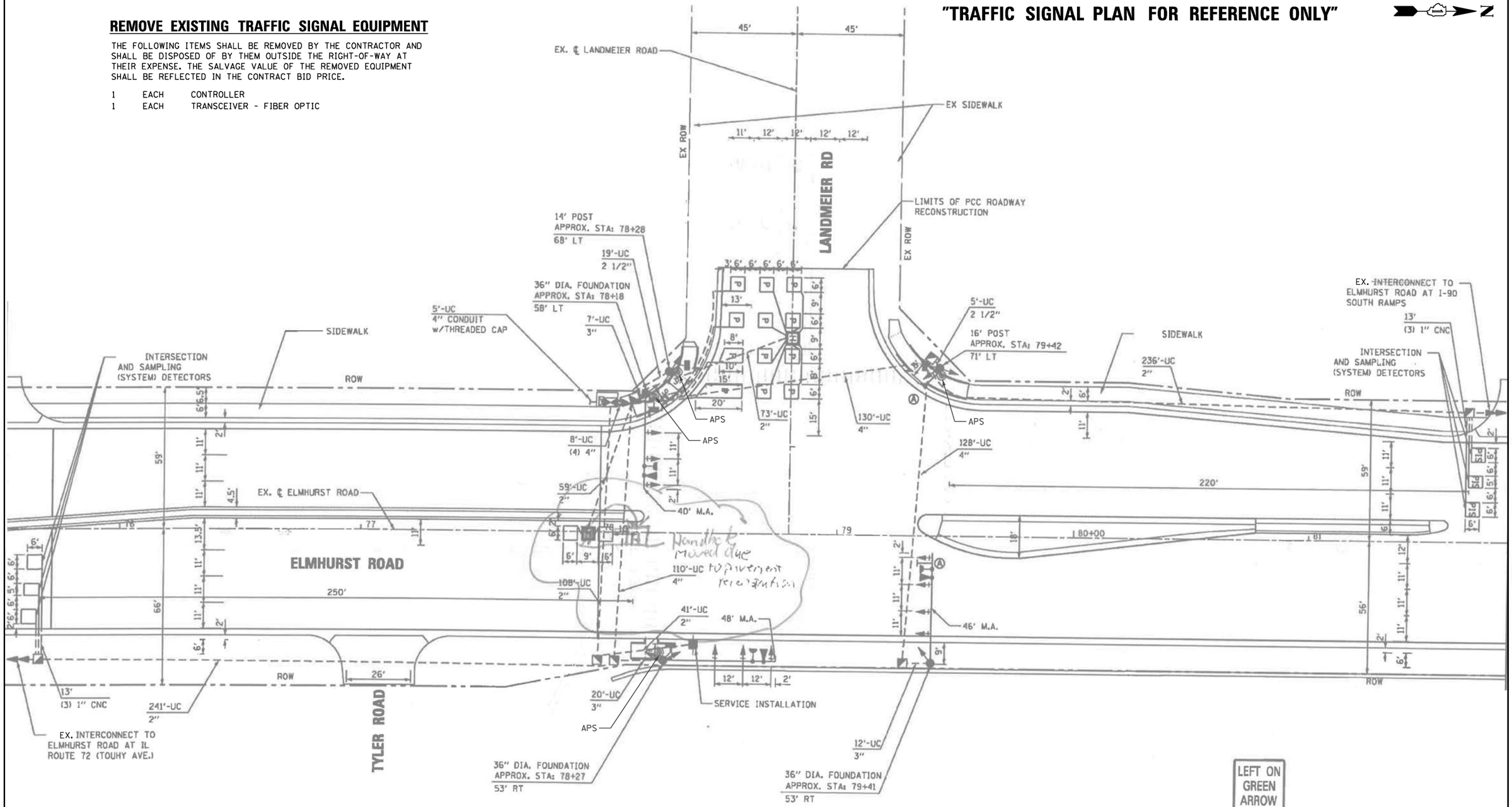
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	174
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE 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 BID PRICE.

1 EACH CONTROLLER
1 EACH TRANSCEIVER - FIBER OPTIC

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



TS–3318
IDOT CENTRACS
FORMER ECON 76

LOCATION NO. 56

TS SHT NO. 167

PROFILE — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHKD — STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — AS BUILT CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

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9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
	ECON76_07_MOD_Elmhurst-Landmeier.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

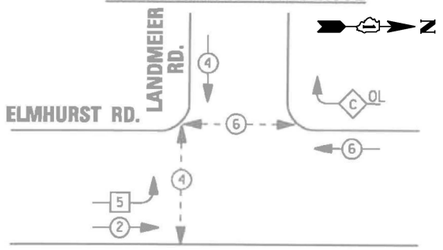
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ELMHURST ROAD AND LANDMEIER ROAD

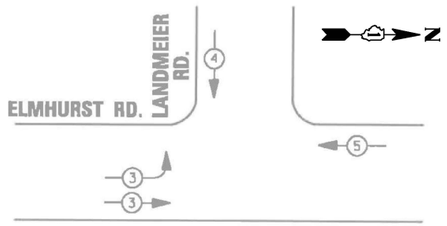
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	175
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



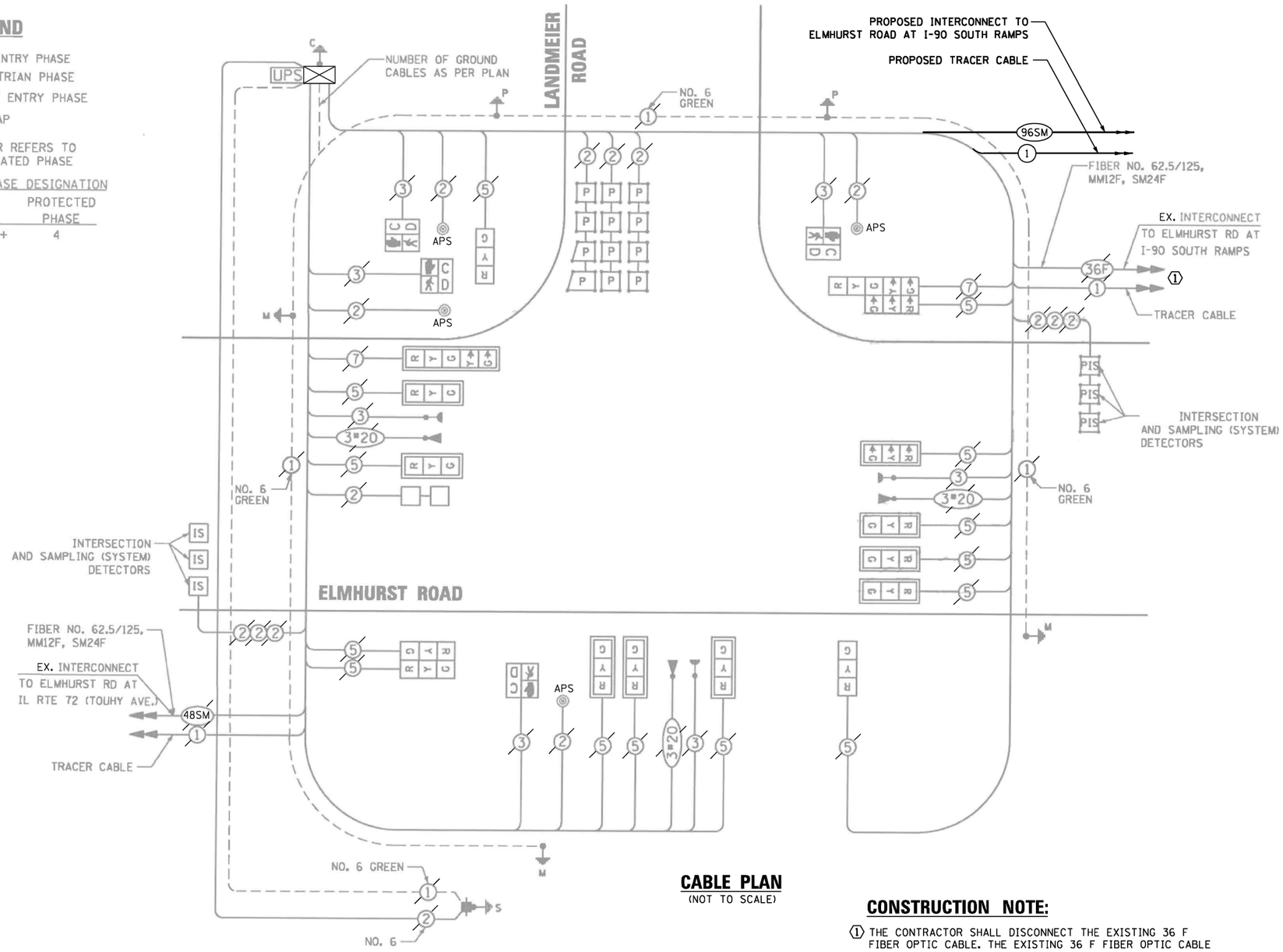
EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

LEGEND

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

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	4



CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL DISCONNECT THE EXISTING 36 F FIBER OPTIC CABLE. THE EXISTING 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**440**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1045**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: ELEONOR SARALLO
PHONE: (630) 424-5124
COMPANY: COMED

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH ACCESS	EACH	1

LOCATION NO. 56

TS–3318
IDOT CENTRACS
FORMER ECON 76

TS SHT NO. 168

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -
ECON76_08_CAB_Elmhurst-Landmeier.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ELMHURST ROAD AND LANDMEIER ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

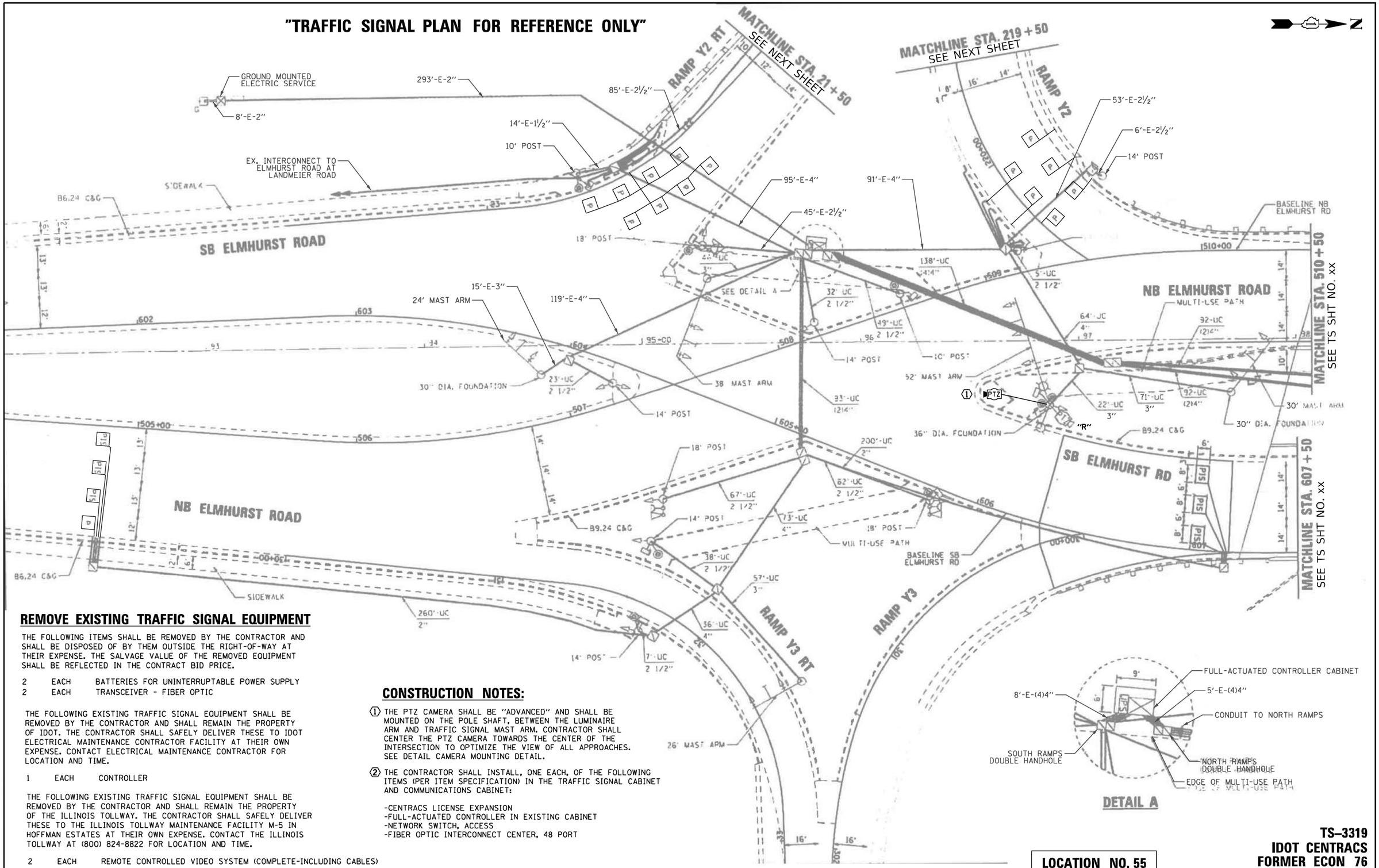
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	176
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHKD — STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — AS BUILT NOTATIONS — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



REMOVE 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 BID PRICE.

2 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
2 EACH TRANSCEIVER - FIBER OPTIC

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

1 EACH CONTROLLER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE ILLINOIS TOLLWAY. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO THE ILLINOIS TOLLWAY MAINTENANCE FACILITY M-5 IN HOFFMAN ESTATES AT THEIR OWN EXPENSE. CONTACT THE ILLINOIS TOLLWAY AT (800) 824-8822 FOR LOCATION AND TIME.

2 EACH REMOTE CONTROLLED VIDEO SYSTEM (COMPLETE-INCLUDING CABLES)

CONSTRUCTION NOTES:

① THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE POLE SHAFT, BETWEEN THE LUMINAIRE ARM AND TRAFFIC SIGNAL MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

② THE CONTRACTOR SHALL INSTALL, ONE EACH, OF THE FOLLOWING ITEMS (PER ITEM SPECIFICATION) IN THE TRAFFIC SIGNAL CABINET AND COMMUNICATIONS CABINET:

-CENTRACS LICENSE EXPANSION
-FULL-ACTUATED CONTROLLER IN EXISTING CABINET
-NETWORK SWITCH, ACCESS
-FIBER OPTIC INTERCONNECT CENTER, 48 PORT

DETAIL A

TS–3319
IDOT CENTRACS
FORMER ECON 76

LOCATION NO. 55

TS SHT NO. 169

PROFILE | SURVEYED | BY | DATE
PLAN | PLOTTED | | |
NOTE BOOK | GRADES CHECKED | | |
NO. | ALIGNMENT CHECKED | | |
| STRUCTURE NO(S) CHKD | | |
| CADD FILE NAME | | |

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
ECON76.09.MOD.Elmhurst-I-90 S Ramps.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

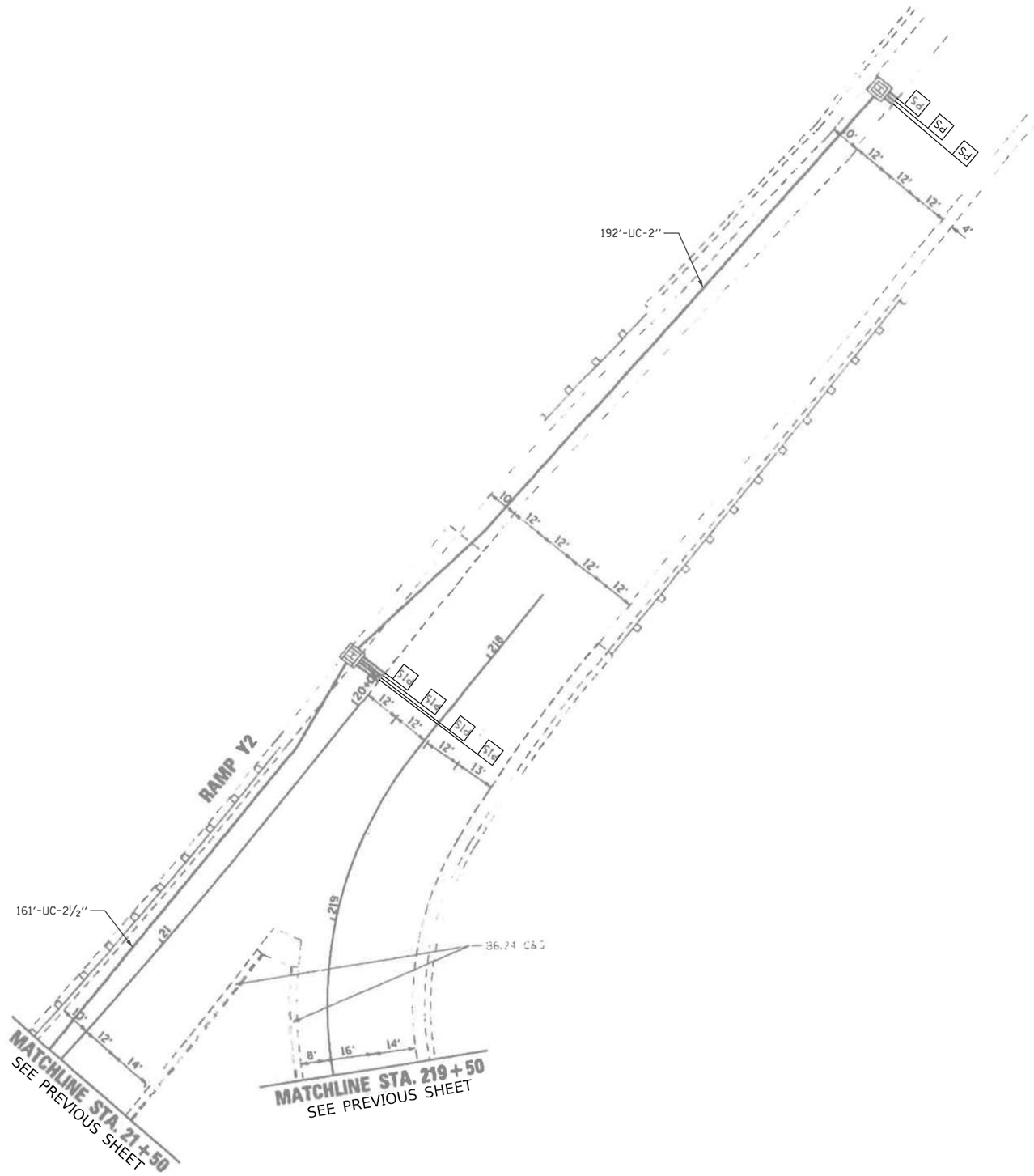
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ELMHURST ROAD AND I-90 SOUTH RAMPS

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	177
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



LOCATION NO. 55

TS–3319
IDOT CENTRACS
FORMER ECON 76

TS SHT NO. 170

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO. ____	GRADES CHECKED		
	R.O.W. MONUMENTED		
	STRUCTURE NOTATNS CHKD		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO. ____	ALIGNMENT CHECKED		
	R.O.W. MONUMENTED		
	CADD FILE NAME ____		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarise	DESIGNED - BC	REVISED -	
ECON76_10_MOD_Elmhurst-I-90 S Ramps.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

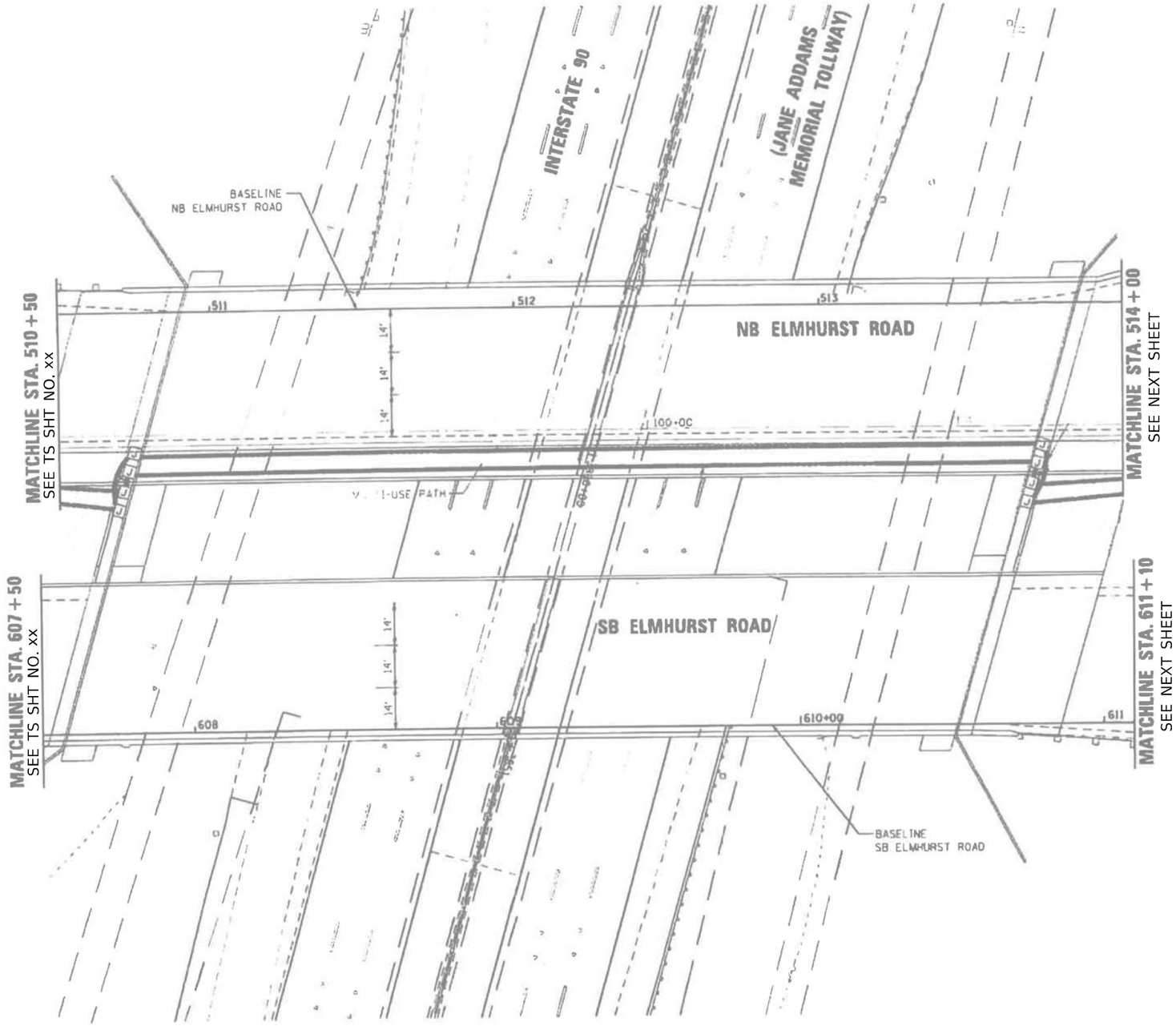
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ELMHURST ROAD AND I–90 SOUTH RAMPS

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	178
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



LOCATION NO. 55

TS–3319
IDOT CENTRACS
FORMER ECON 76

TS SHT NO. 171

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	BEAM NOTES		
	STRUCTURE NOTATNS CHKD		

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	PLAN NOTES CHECKED		
	CADD FILE NAME		

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Rosemont, Illinois 60018
(847) 823-0500

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9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
ECON76_11_MOD_Elmhurst-I-90 NS Ramps.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ELMHURST ROAD AND I–90 NORTH / SOUTH RAMPS

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	179
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

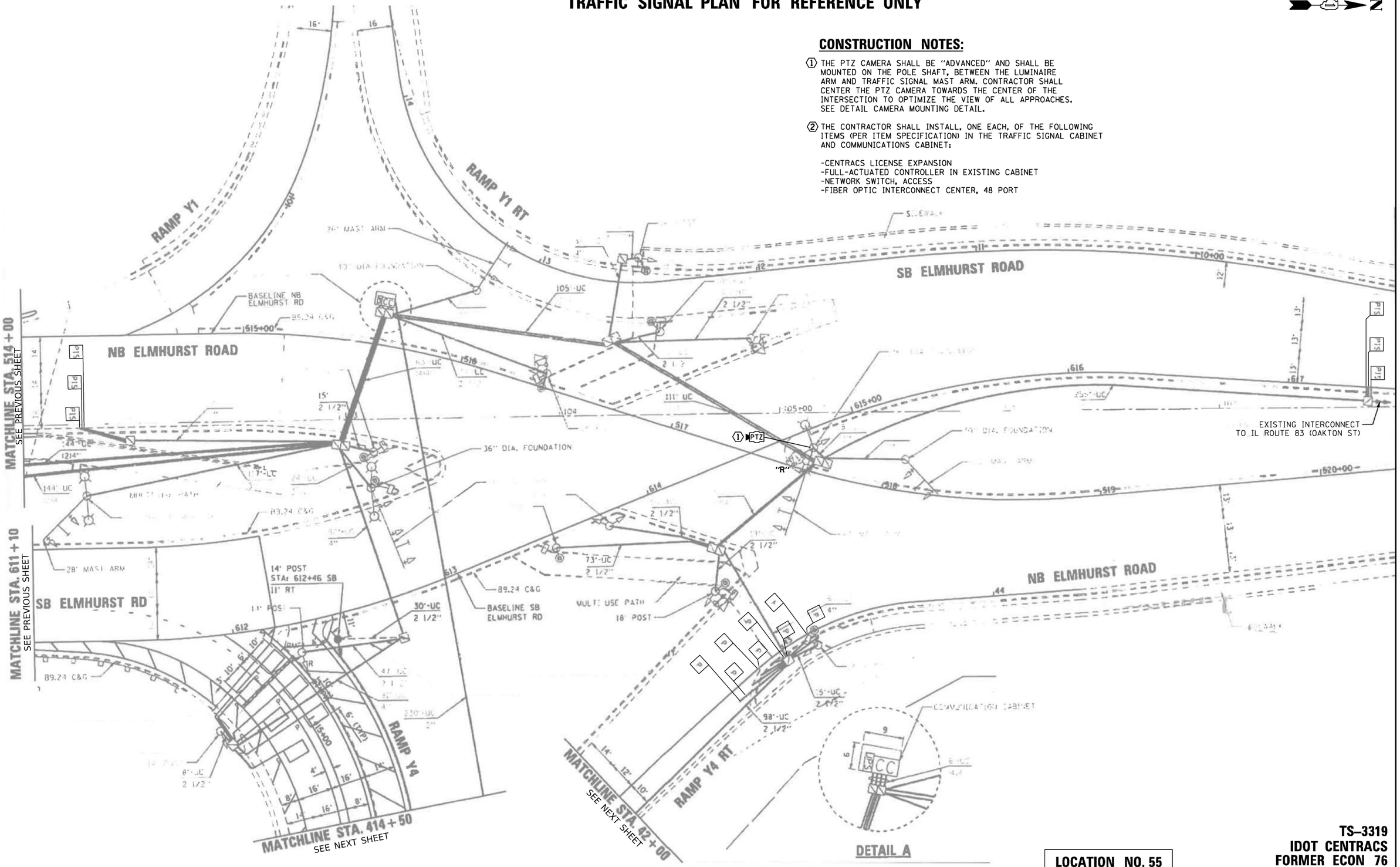
"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

CONSTRUCTION NOTES:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE POLE SHAFT, BETWEEN THE LUMINAIRE ARM AND TRAFFIC SIGNAL MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. THE CONTRACTOR SHALL INSTALL, ONE EACH, OF THE FOLLOWING ITEMS (PER ITEM SPECIFICATION) IN THE TRAFFIC SIGNAL CABINET AND COMMUNICATIONS CABINET:

   -CENTRACS LICENSE EXPANSION
   -FULL-ACTUATED CONTROLLER IN EXISTING CABINET
   -NETWORK SWITCH, ACCESS
   -FIBER OPTIC INTERCONNECT CENTER, 48 PORT



LOCATION NO. 55

TS–3319
IDOT CENTRACS
FORMER ECON 76

TS SHT NO. 172

PROFILE — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHECKED — STRUCTURE NO(S)/FNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON76_12_MOD_Elmhurst-I-90 N Ramps.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

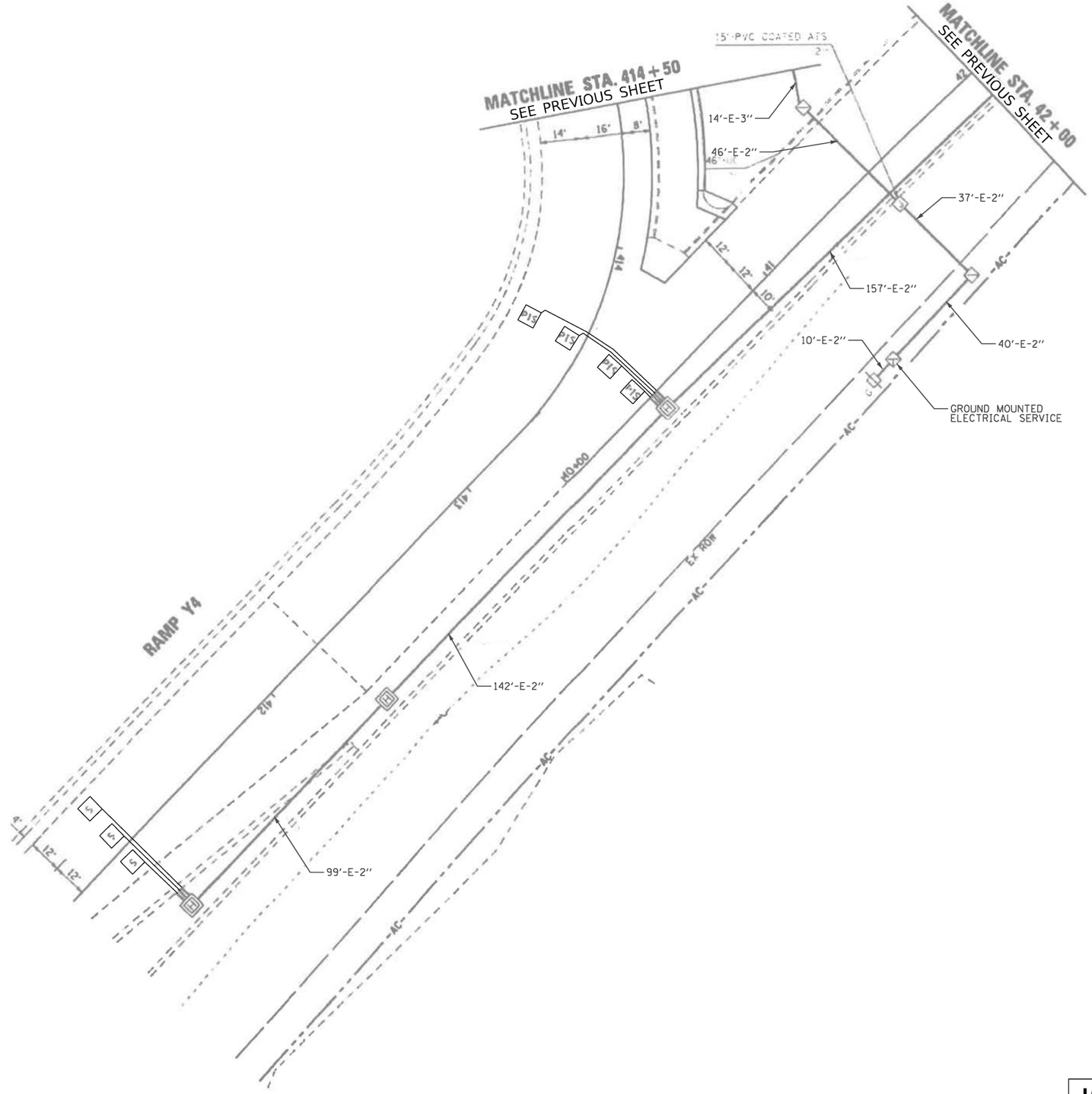
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ELMHURST ROAD AND I–90 NORTH RAMPS

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	180
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



TS SHT NO. 173

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CH'KD
NOTE BOOK NO.
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK NO.
BY
DATE

LOCATION NO. 55

TS-3319
IDOT CENTRACS
FORMER ECON 76

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON76_13_MOD_Elmhurst-I-90 N Ramps.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ELMHURST ROAD AND I-90 NORTH RAMPS

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	181
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

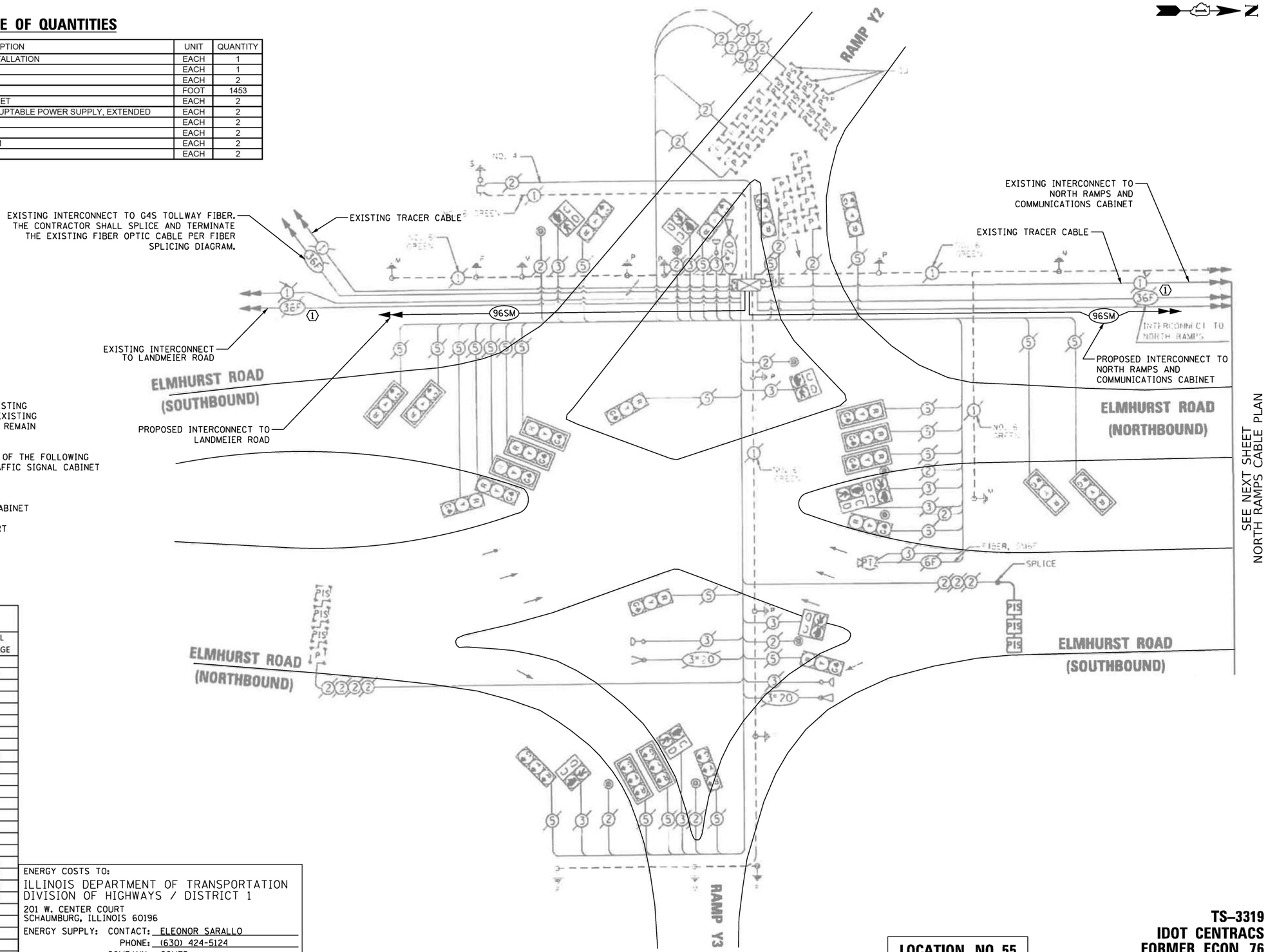
ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	2
OUTDOOR RATED NETWORK CABLE	FOOT	1453
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	2
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	2
POWER OVER ETHERNET EXTENDER	EACH	2
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	2
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	2
NETWORK SWITCH, ACCESS	EACH	2

CONSTRUCTION NOTES:

(1) THE CONTRACTOR SHALL DISCONNECT THE EXISTING IDOT-OWNED 36 F FIBER OPTIC CABLE. THE EXISTING IDOT-OWNED 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.

(2) THE CONTRACTOR SHALL INSTALL, ONE EACH, OF THE FOLLOWING ITEMS (PER ITEM SPECIFICATION) IN THE TRAFFIC SIGNAL CABINET AND COMMUNICATIONS CABINET:

-CENTRACS LICENSE EXPANSION
-FULL-ACTUATED CONTROLLER IN EXISTING CABINET
-NETWORK SWITCH, ACCESS
-FIBER OPTIC INTERCONNECT CENTER, 48 PORT



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	43	11	473
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	16	15	240
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**965**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1645**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: ELEONOR SARALLO
PHONE: (630) 424-5124
COMPANY: COMED

LOCATION NO. 55

TS–3319
IDOT CENTRACS
FORMER ECON 76

TS SHT NO. 174

PLAN — NOTE BOOK — NO. — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHECKED — AS-BUILT — STRUCTURE NOT ATTNS CHKD — BY — DATE

PROFILE — NOTE BOOK — NO. — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHECKED — AS-BUILT — STRUCTURE NOT ATTNS CHKD — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
ECON76_14_CAB_Elmhurst-I-90 S Ramps.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

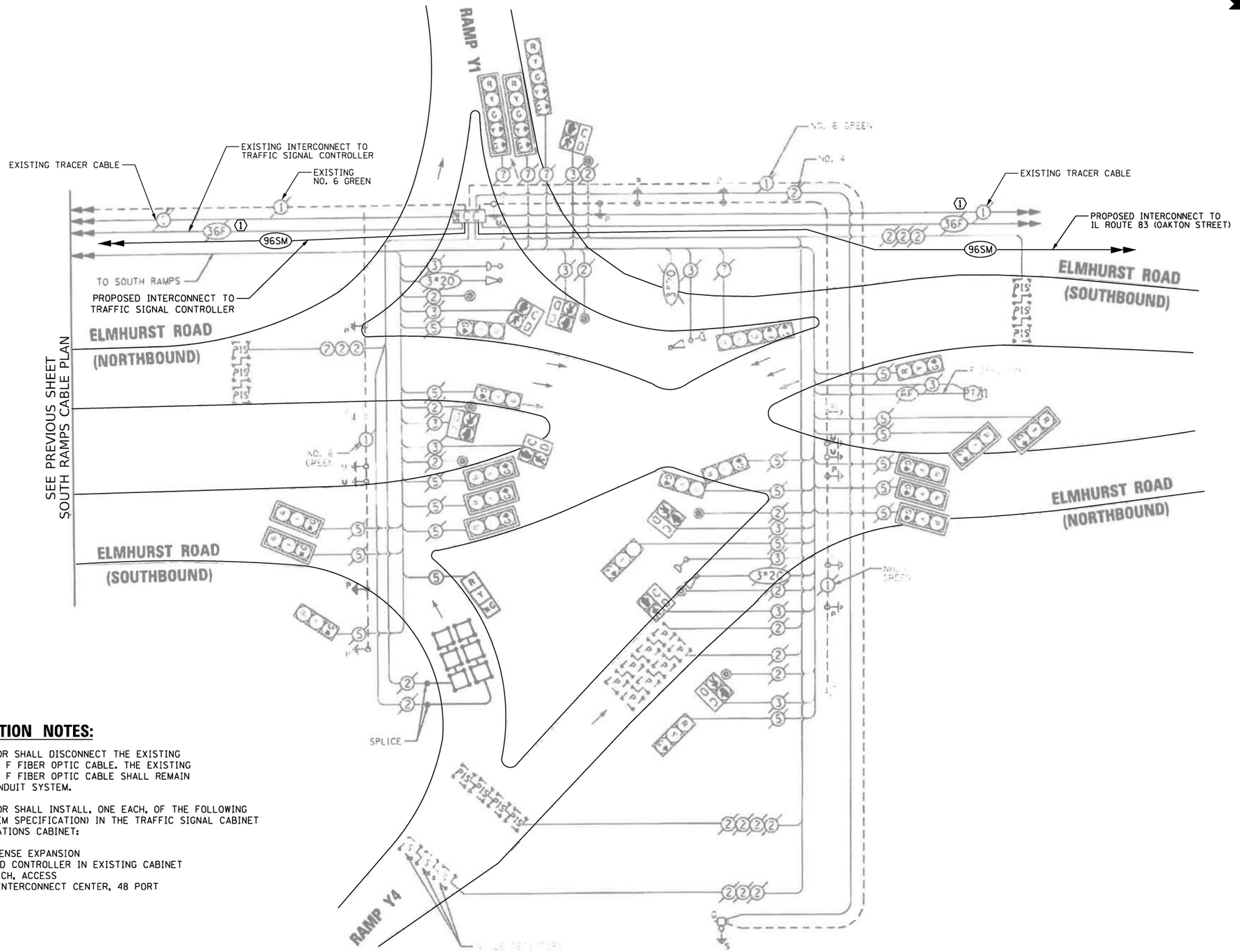
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND CABLE PLAN
ELMHURST ROAD AND I-90 SOUTH RAMPS

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	182
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL CABLE PLAN FOR REFERENCE ONLY"



CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL DISCONNECT THE EXISTING IDOT-OWNED 36 F FIBER OPTIC CABLE. THE EXISTING IDOT-OWNED 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.

2. THE CONTRACTOR SHALL INSTALL, ONE EACH, OF THE FOLLOWING ITEMS (PER ITEM SPECIFICATION) IN THE TRAFFIC SIGNAL CABINET AND COMMUNICATIONS CABINET:

   -CENTRACS LICENSE EXPANSION
   -FULL-ACTUATED CONTROLLER IN EXISTING CABINET
   -NETWORK SWITCH, ACCESS
   -FIBER OPTIC INTERCONNECT CENTER, 48 PORT

TS-3319
IDOT CENTRACS
FORMER ECON 76

LOCATION NO. 55

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON76_15_CAB_Elmhurst-I-90 N Ramps.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
ELMHURST ROAD AND I-90 NORTH RAMPS

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	183
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

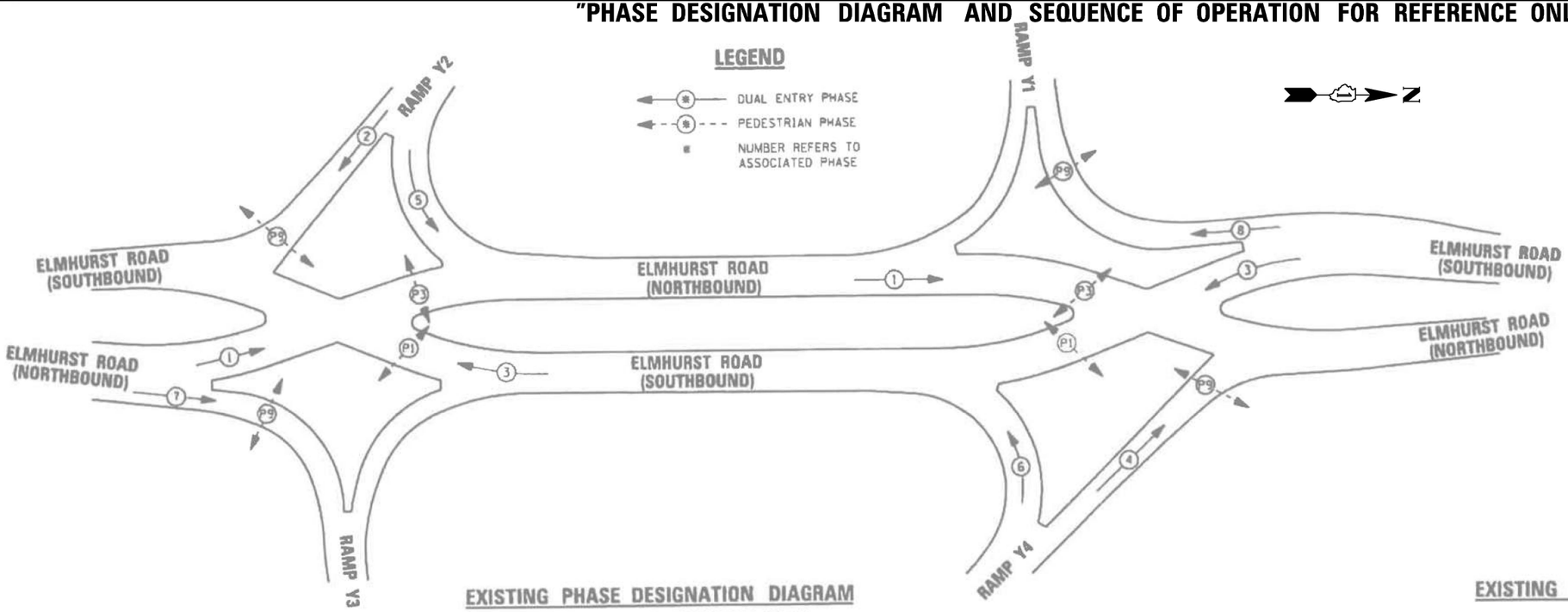
PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CH'KD / NOTE BOOK NO. / BY / DATE

TS SHT NO. 175

"PHASE DESIGNATION DIAGRAM AND SEQUENCE OF OPERATION FOR REFERENCE ONLY"

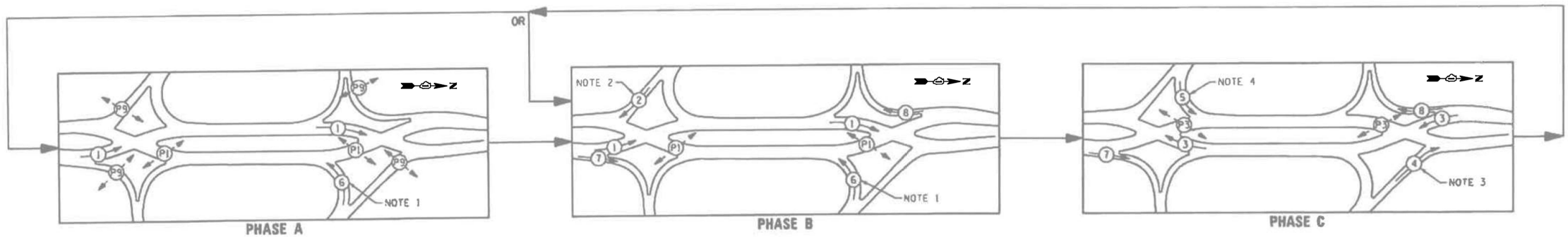


EXISTING PHASE DESIGNATION DIAGRAM

(SEE CORRESPONDING PHASE SEQUENCE BELOW)

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

SEE SHEET TS-15



CORRESPONDING PHASE SEQUENCE OF OPERATION

NOTES FOR INFORMATION ONLY

1. WHEN GOING FROM PHASE C TO A OR PHASE C TO B, THIS PHASE SHALL USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 10 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.
2. WHEN GOING FROM PHASE C TO B, THIS PHASE SHALL USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 8 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.
3. THIS PHASE SHALL ALWAYS USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 8 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.
4. THIS PHASE SHALL ALWAYS USE A DELAY SETTING (ALL-RED CLEARANCE INTERVAL) OF 9 SECONDS PRIOR TO DISPLAYING A GREEN INDICATION.

LOCATION NO. 55

TS–3319
IDOT CENTRACS
FORMER ECON 76

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
ECON76_16_SEQ_Elmhurst-I-90.dgn	DRAWN - FPB	REVISED -	PHASE DESIGNATION DIAGRAM AND SEQUENCE OF OPERATION ELMHURST ROAD AND INTERSTATE 90
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

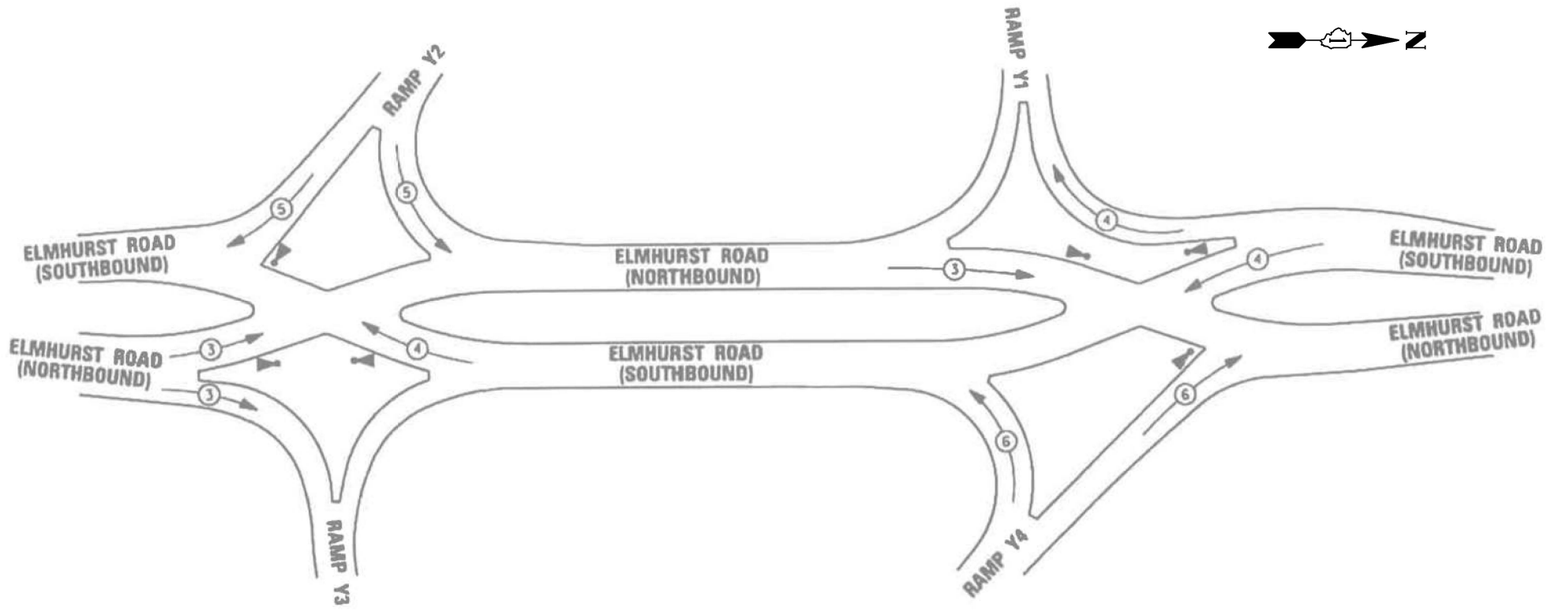
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	184
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTED — NOTE BOOK — NO. — CADD FILE NAME — BY — DATE

TS SHT NO. 176

"EMERGENCY VEHICLE PREMPTION SEQUENCE FOR REFERENCE ONLY"



EXISTING EMERGENCY VEHICLE PREEMPTORS								
EMERGENCY VEHICLE PREEMPTORS	3		4		5		6	
INTERSECTION	SOUTH	NORTH	SOUTH	NORTH	SOUTH	NORTH	SOUTH	NORTH
MOVEMENT								

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

TS SHT NO. 177

PROFILE | NOTE BOOK NO. | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTAT'NS CH'KD | BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN | NOTE BOOK NO. | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | BY | DATE

TS–3319
IDOT CENTRACS
FORMER ECON 76

LOCATION NO. 55

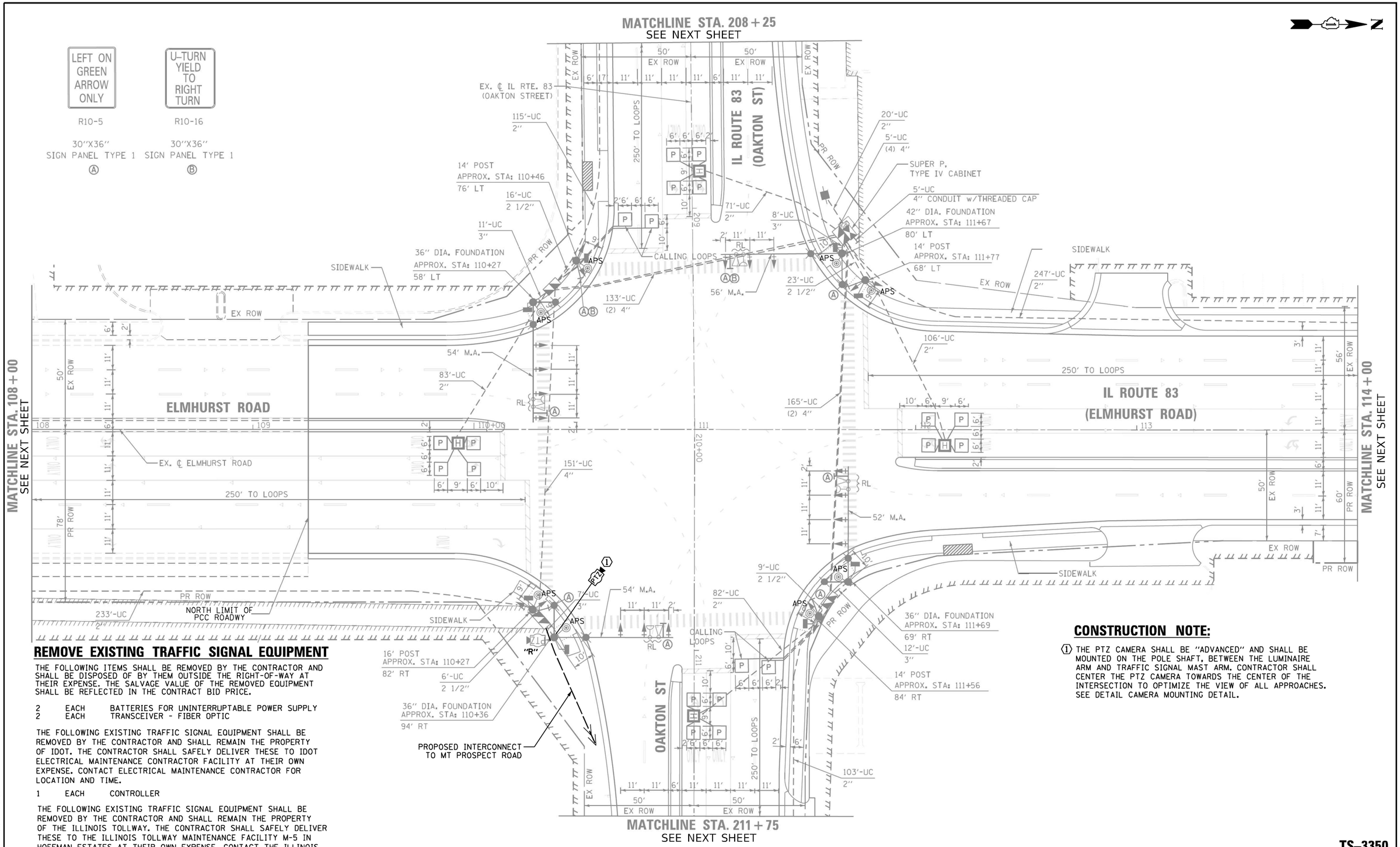
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON76_17_SOO-Evp_Elmhurst-I-90.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE
ELMHURST ROAD AND INTERSTATE 90

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	185
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REMOVE 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 BID PRICE.

2 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
2 EACH TRANSCEIVER - FIBER OPTIC

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

1 EACH CONTROLLER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE ILLINOIS TOLLWAY. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO THE ILLINOIS TOLLWAY MAINTENANCE FACILITY M-5 IN HOFFMAN ESTATES AT THEIR OWN EXPENSE. CONTACT THE ILLINOIS TOLLWAY AT (800) 824-8822 FOR LOCATION AND TIME.

2 EACH REMOTE CONTROLLED VIDEO SYSTEM (COMPLETE-INCLUDING CABLES)

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE POLE SHAFT, BETWEEN THE LUMINAIRE ARM AND TRAFFIC SIGNAL MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

LOCATION NO. 54

TS–3350
IDOT CENTRACS
FORMER ECON 76

TS SHT NO. 178

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

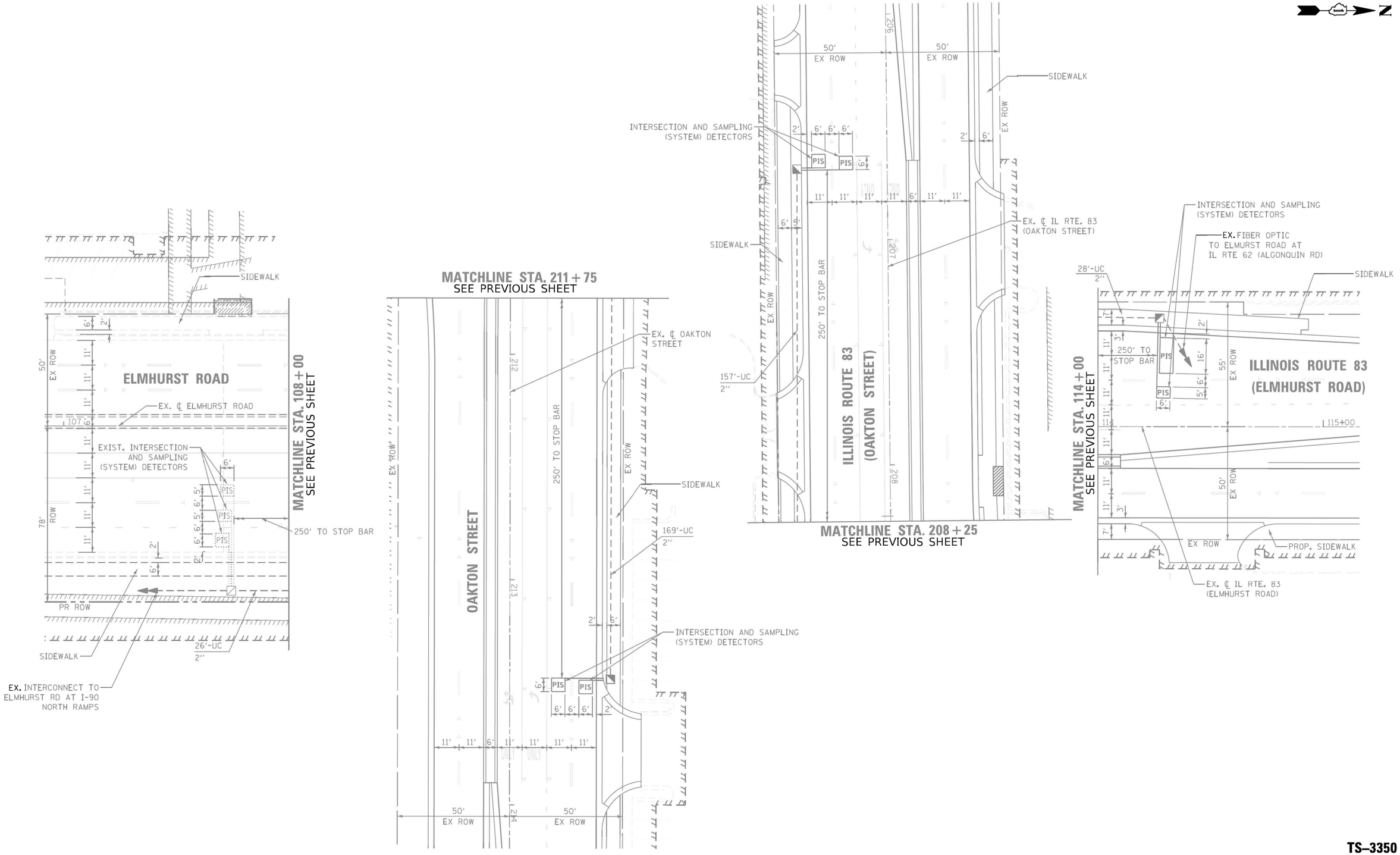
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON76_18_MOD1_Elmhurst-Oakton.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (ELMHURST ROAD) AND OAKTON STREET

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	186
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 179

PLAN — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS–3350
IDOT CENTRACS
FORMER ECON 76

LOCATION NO. 54

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON76_19_MOD2_Elmhurst-Oakton.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

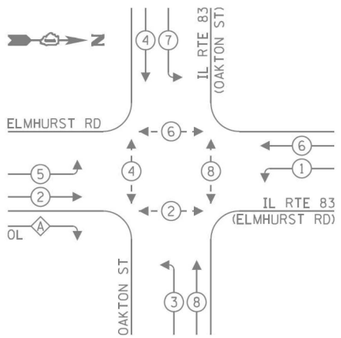
TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (ELMHURST ROAD) AND IL ROUTE 83 (OAKTON STREET)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	187
		CONTRACT NO. 62W82		

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

EXISTING CONTROLLER SEQUENCE



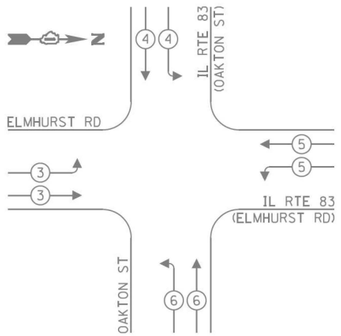
LEGEND:

- 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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	388
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, DISTRIBUTION	EACH	1

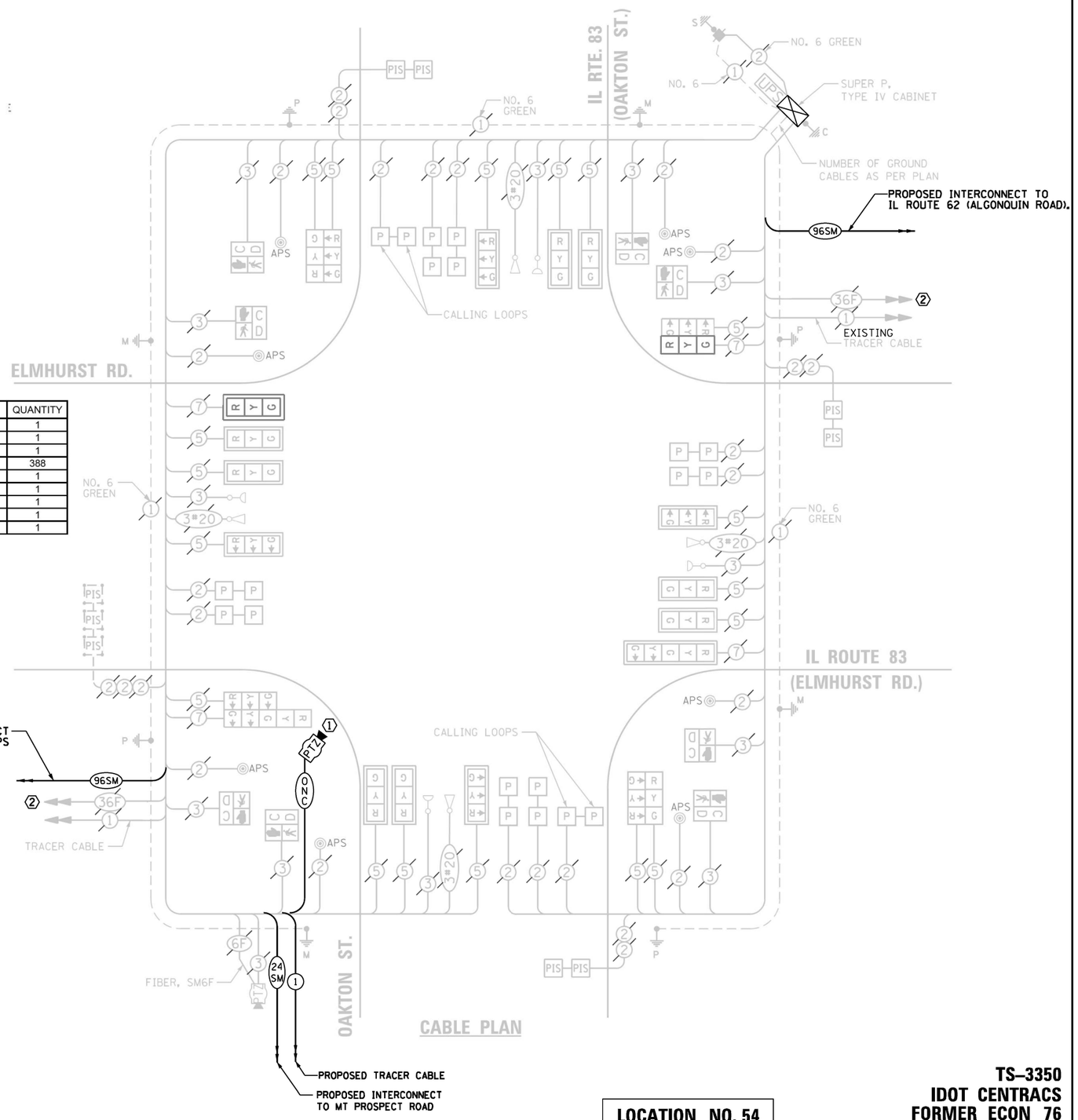
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	20	11	220
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**566**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1246**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMED

CONSTRUCTION NOTES:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE POLE SHAFT, BETWEEN THE LUMINAIRE ARM AND TRAFFIC SIGNAL MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.
2. THE CONTRACTOR SHALL DISCONNECT THE EXISTING IDOT-OWNED 36 F FIBER OPTIC CABLE. THE EXISTING IDOT-OWNED 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.



CABLE PLAN

LOCATION NO. 54

TS–3350
IDOT CENTRACS
FORMER ECON 76

TS SHT NO. 180

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ROAD MODEL, STRUCTURE — NOTATNS CH'KD — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, ROAD MODEL, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
ECON76_20_CAB_Elmhurst-Oakton.dgn	DRAWN - FPB	REVISED -	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL ROUTE 83 (ELMHURST ROAD) AND IL ROUTE 83 (OAKTON STREET)
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	188
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONSTRUCTION NOTE:

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

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

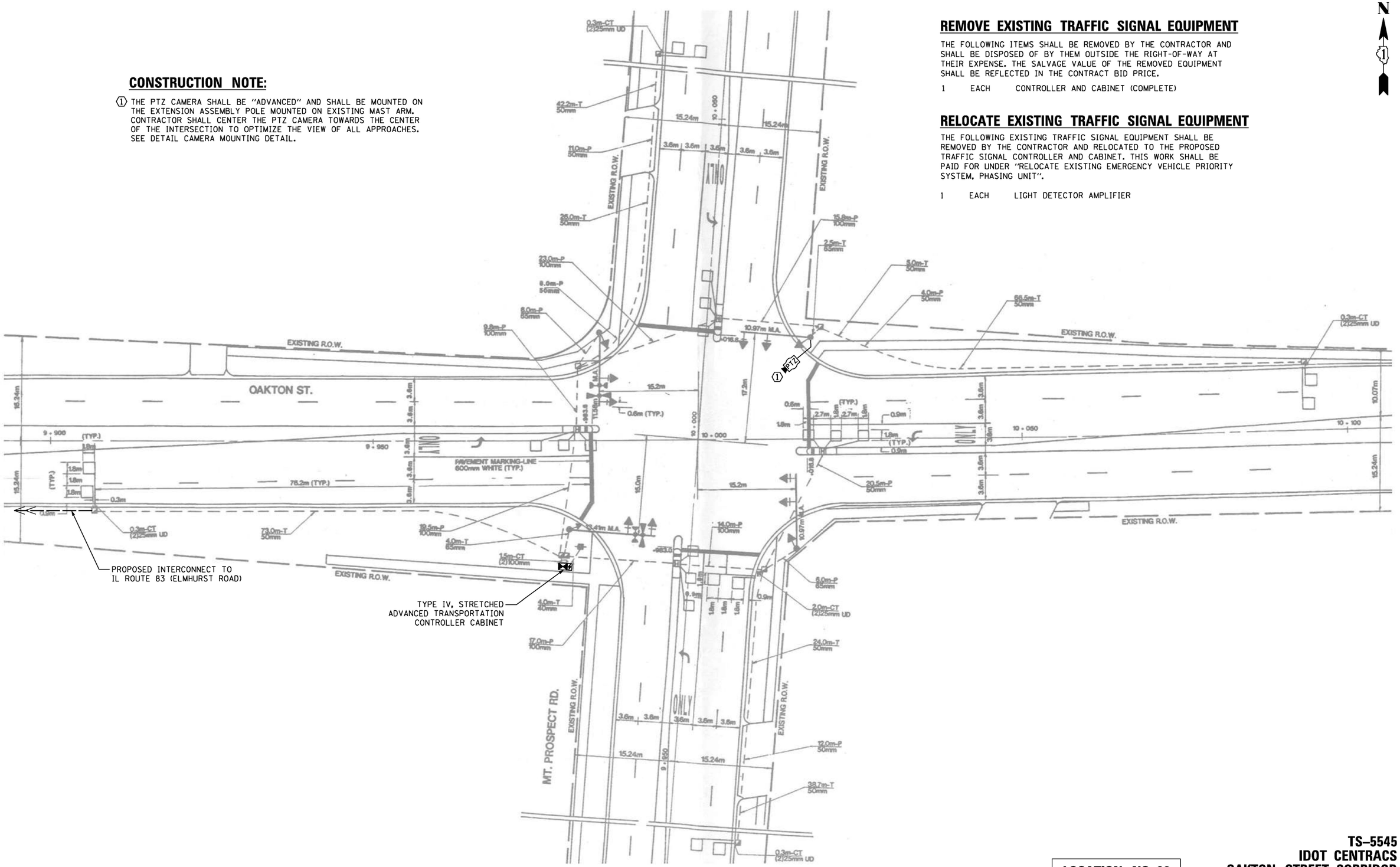
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH LIGHT DETECTOR AMPLIFIER



LOCATION NO. 82

TS–5545
IDOT CENTRACS
OAKTON STREET CORRIDOR

TS SHT NO. 181

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
OAKTON_01_MOD-Mt Prospect.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
OAKTON STREET AND MT PROSPECT ROAD

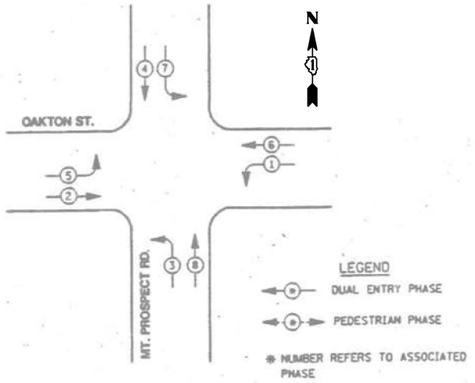
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	189
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.L.M. NOTES / STRUCTURE NOTATNS CHKD — BY — DATE
PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.L.M. NOTES CHECKED / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

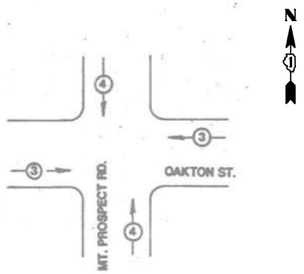
EXISTING
CONTROLLER SEQUENCE

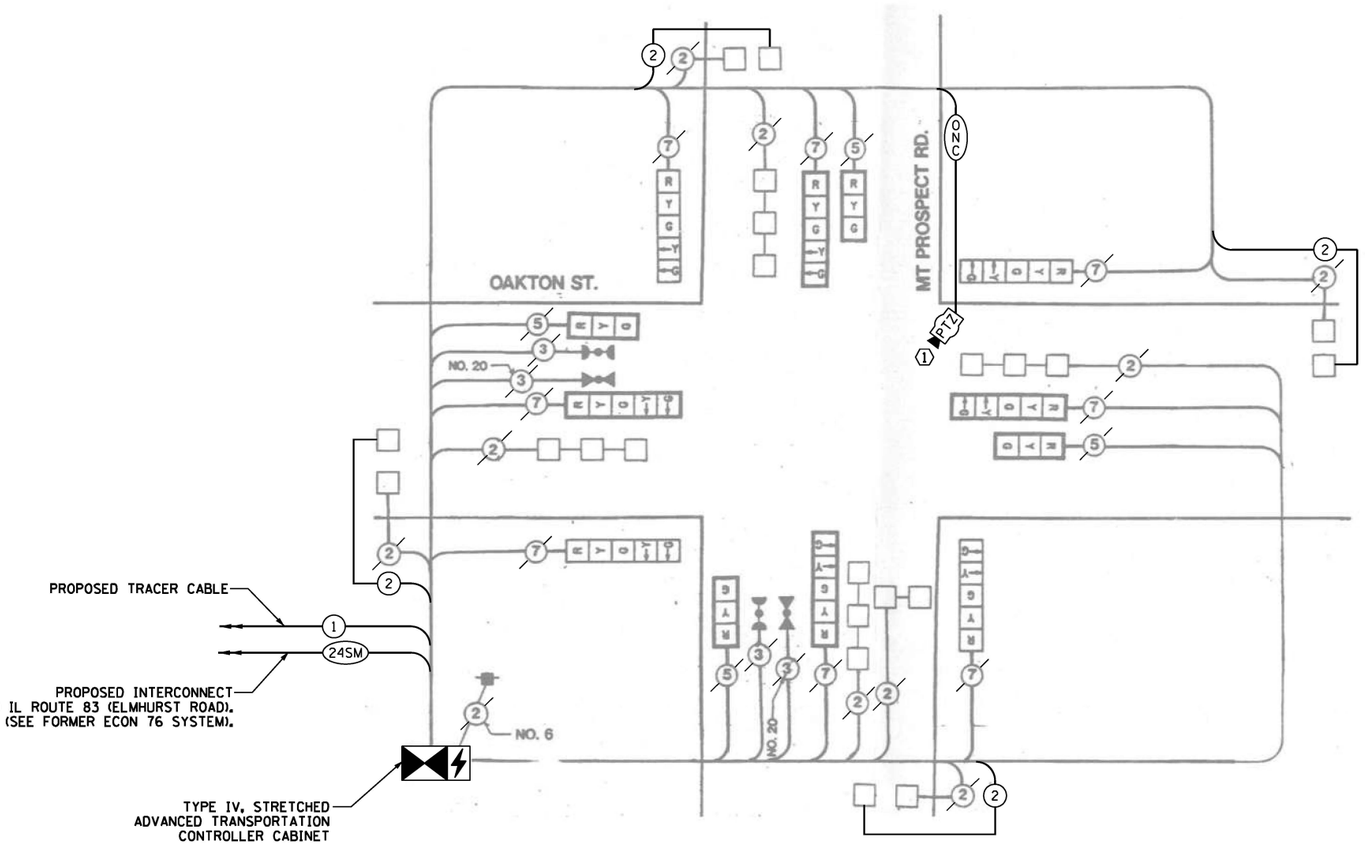


PHASE DESIGNATION DIAGRAM

DUAL ENTRY - ALL LEGS
PROTECTED/PERMITTED LEFT TURN PHASING

EXISTING
EMERGENCY VEHICLE PREEMPTION SEQUENCE NOTES
FOR DUAL ENTRY OPERATION - ALL LEGS





CABLE PLAN
NOT TO SCALE

CONSTRUCTION NOTE:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING =			**363**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**968**

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1609
INDUCTIVE LOOP DETECTOR	EACH	13
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	323
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

LOCATION NO. 82

TS–5545
IDOT CENTRACS
OAKTON STREET CORRIDOR

TS SHT NO. 182

PROFILE | SURVEYED | PLOTTED | GRADES CHECKED | ALIGNMENT CHECKED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. ____ | BY | DATE

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | ALIGN. MATCHED | CADD FILE NAME ____ | NOTE BOOK | NO. ____ | BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
OAKTON_02_CAB-Mt Prospect.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
OAKTON STREET AND MT PROSPECT ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	190
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE 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 BID PRICE.

1 EACH CABINET (COMPLETE)

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

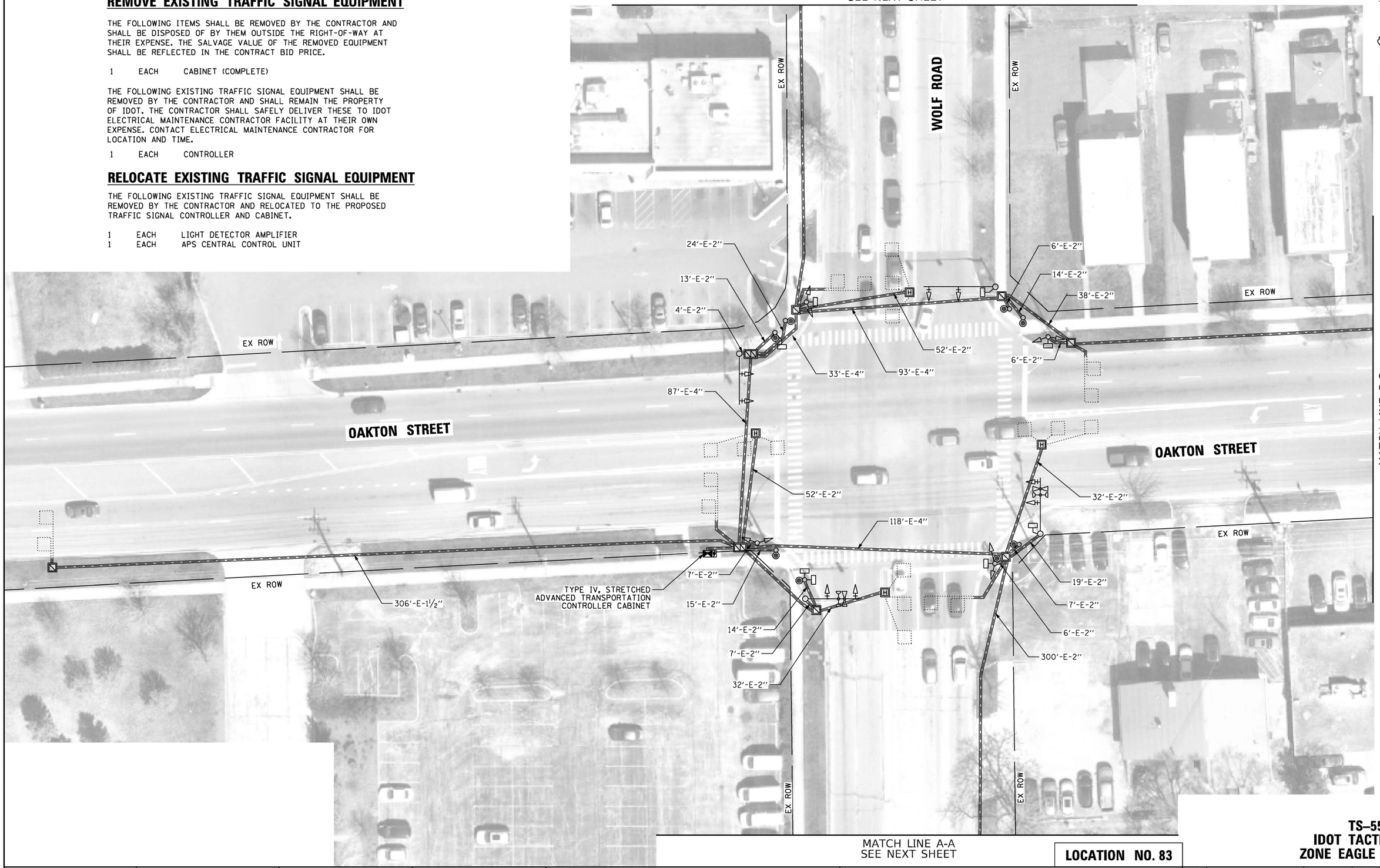
1 EACH CONTROLLER

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET.

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH APS CENTRAL CONTROL UNIT

MATCH LINE B-B
SEE NEXT SHEET



MATCH LINE C-C
SEE NEXT SHEET

MATCH LINE A-A
SEE NEXT SHEET

LOCATION NO. 83

TS–5550
IDOT TACTICS
ZONE EAGLE 8N

TS SHT NO. 183

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATIONS CHK'D — NOTE BOOK — NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTED, CADD FILE NAME — NOTE BOOK — NO.

BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

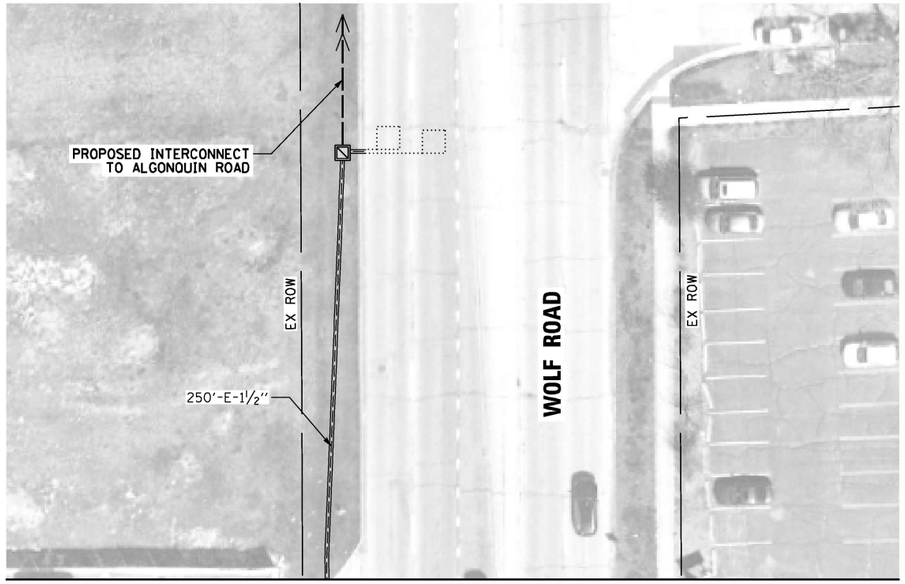
USER NAME = fberiso	DESIGNED - BC	REVISED -
	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN – (SHEET 1 OF 2)
WOLF ROAD AND OAKTON STREET

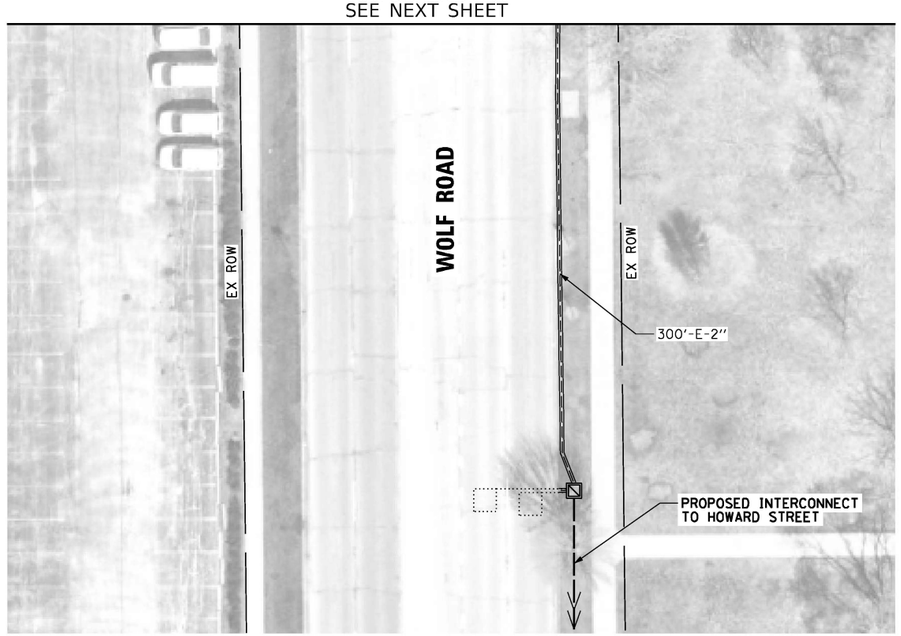
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	191
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MATCH LINE B-B
SEE NEXT SHEET

MATCH LINE A-A
SEE NEXT SHEET





MATCH LINE C-C
SEE NEXT SHEET

N

1

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.O.W. STAKED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R.O.W. STAKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 184

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN – (SHEET 2 OF 2)
WOLF ROAD AND OAKTON STREET

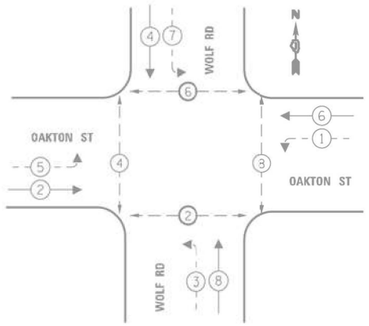
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	192
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

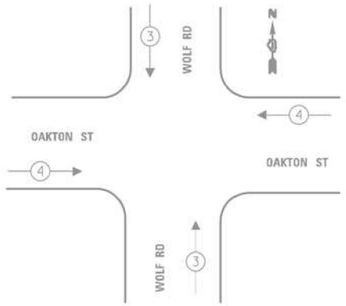
LOCATION NO. 83

TS–5550
IDOT TACTICS
ZONE EAGLE 8N

EXISTING CONTROLLER SEQUENCE

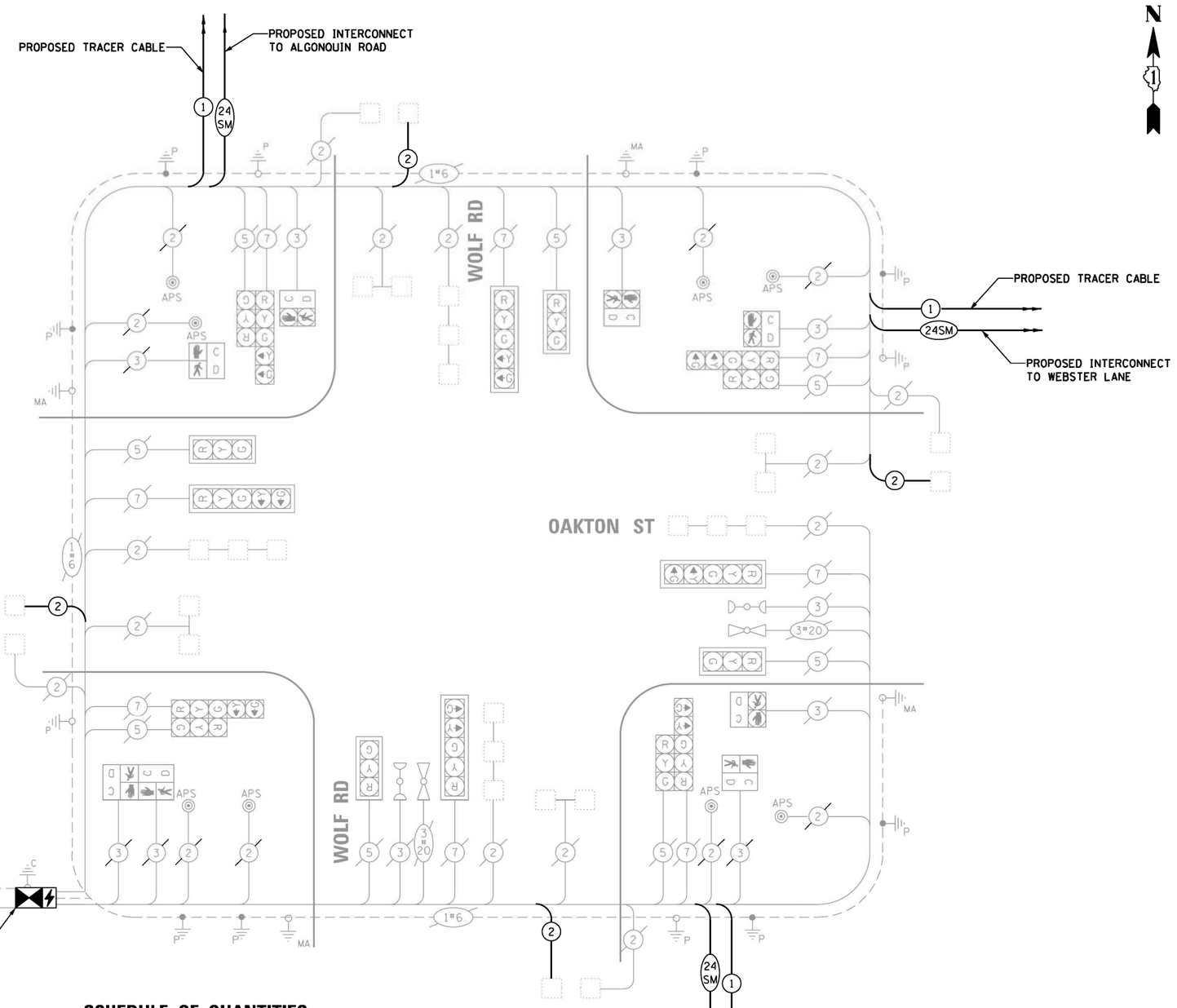


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



CABLE PLAN

NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			487
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1092

ENERGY COSTS TO:

ENERGY SUPPLY:
CONTACT: IIYAS MOHIUDDIN
PHONE: 708-235-2692
COMPANY: COMMONWEATH EDISON
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1786
INDUCTIVE LOOP DETECTOR	EACH	16
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
NETWORK SWITCH, DISTRIBUTION	EACH	1

LOCATION NO. 83

TS–5550
IDOT TACTICS
ZONE EAGLE 8N

TS SHT NO. 185

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -
OAKTON_05_CAB-Wolf-Oakton.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
WOLF ROAD AND OAKTON STREET

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	193
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE SURVEYED PLOTTED GRADES CHECKED ALIGNMENT CHECKED STRUCTURE NOTATNS CHKD
NOTE BOOK NO. BY DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN SURVEYED PLOTTED ALIGNMENT CHECKED AS MARKED CADD FILE NAME
NOTE BOOK NO. BY DATE

REMOVE 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 BID PRICE.

1 EACH CONTROLLER

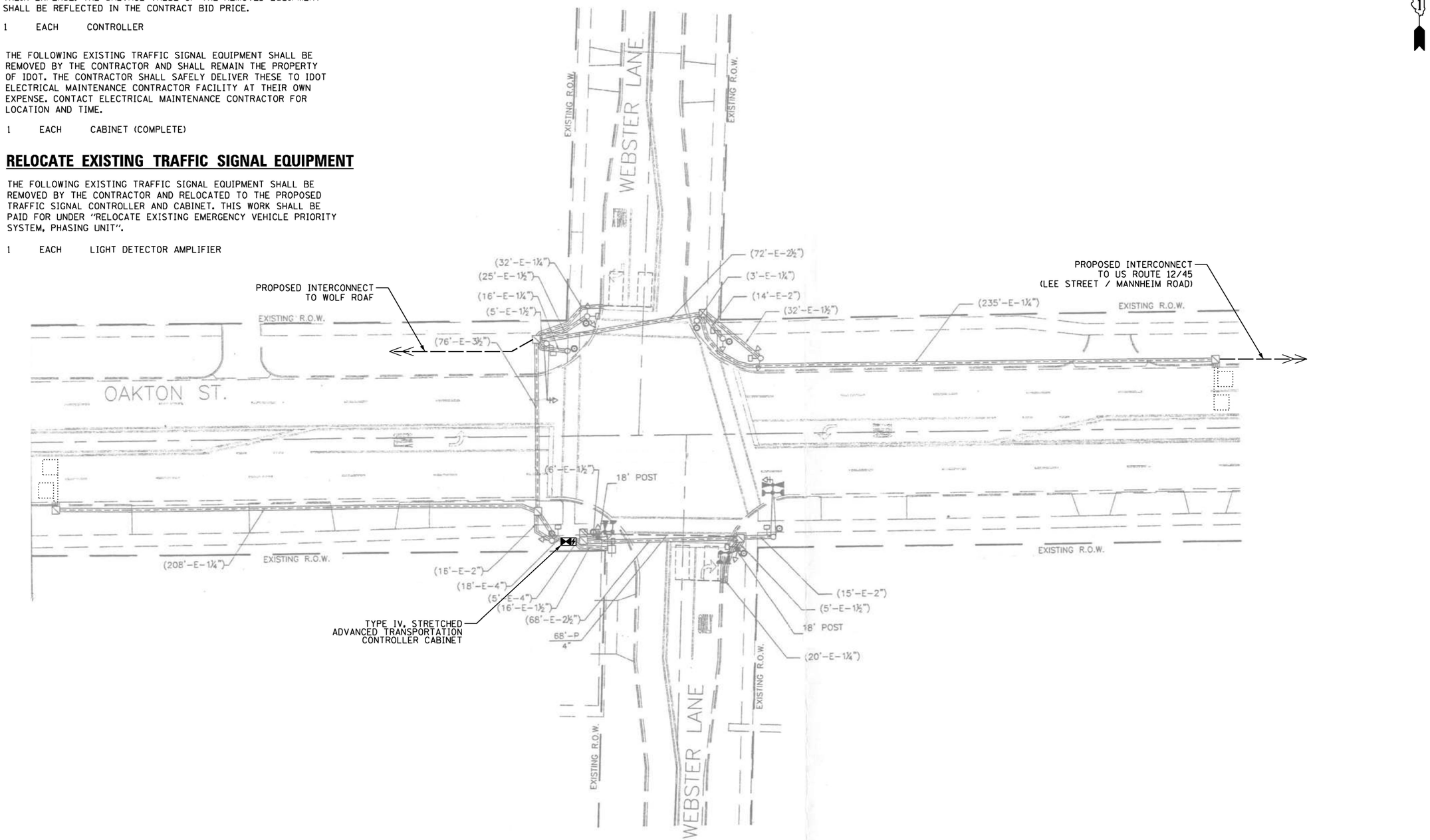
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO. 186

TS–12995
IDOT TACTICS
ZONE EAGLE 8N

LOCATION NO. 84

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	OAKTON_06_MOD-Webster.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

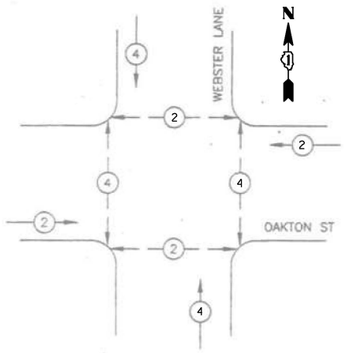
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
OAKTON STREET AND WEBSTER LANE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	194
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

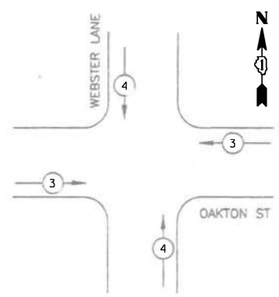
EXISTING CONTROLLER SEQUENCE

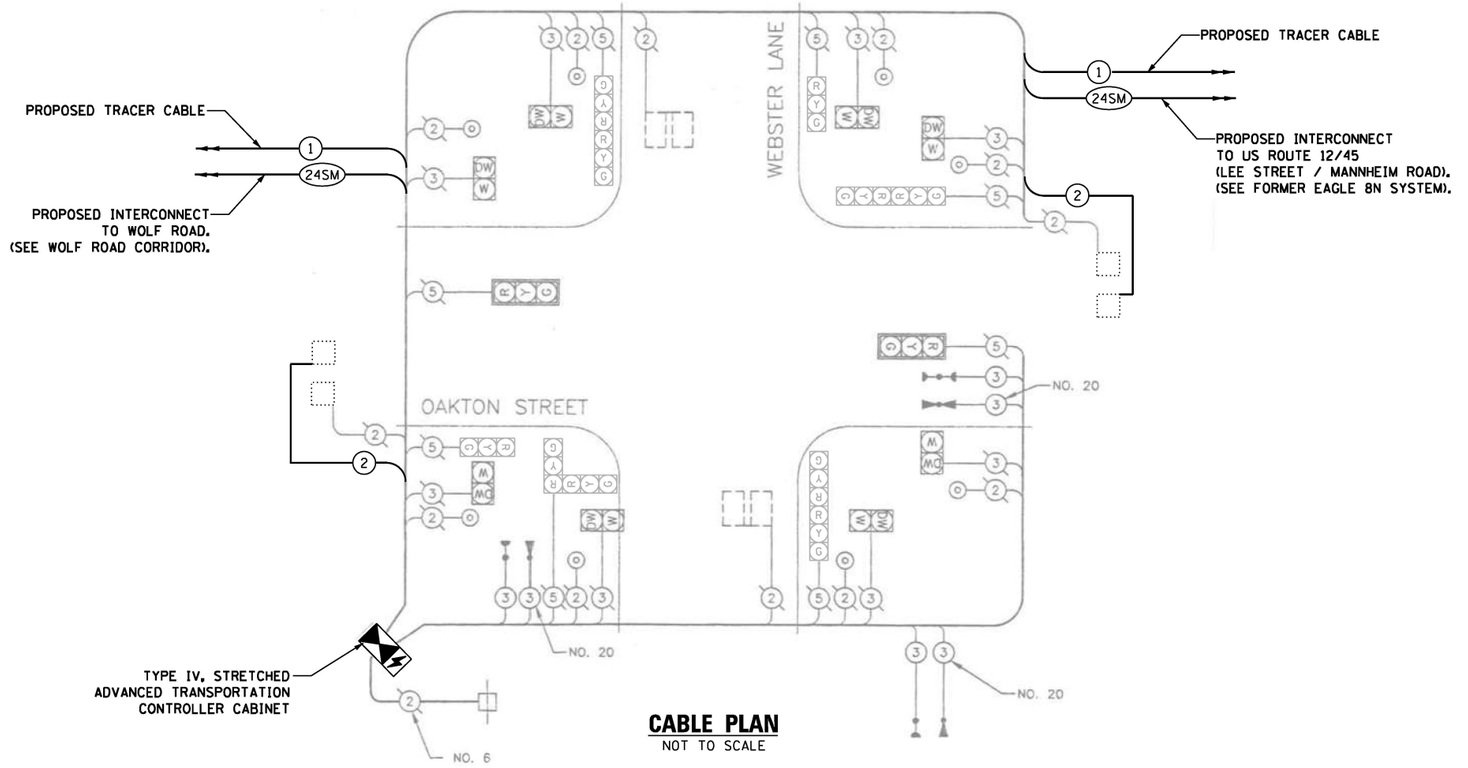


LEGEND

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**452**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1057**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	710
INDUCTIVE LOOP DETECTOR	EACH	6
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 84

TS–12995
IDOT TACTICS
ZONE EAGLE 8N

TS SHT NO. 187

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NO(S) / PLANS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / ALIGNMENT VERIFIED / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

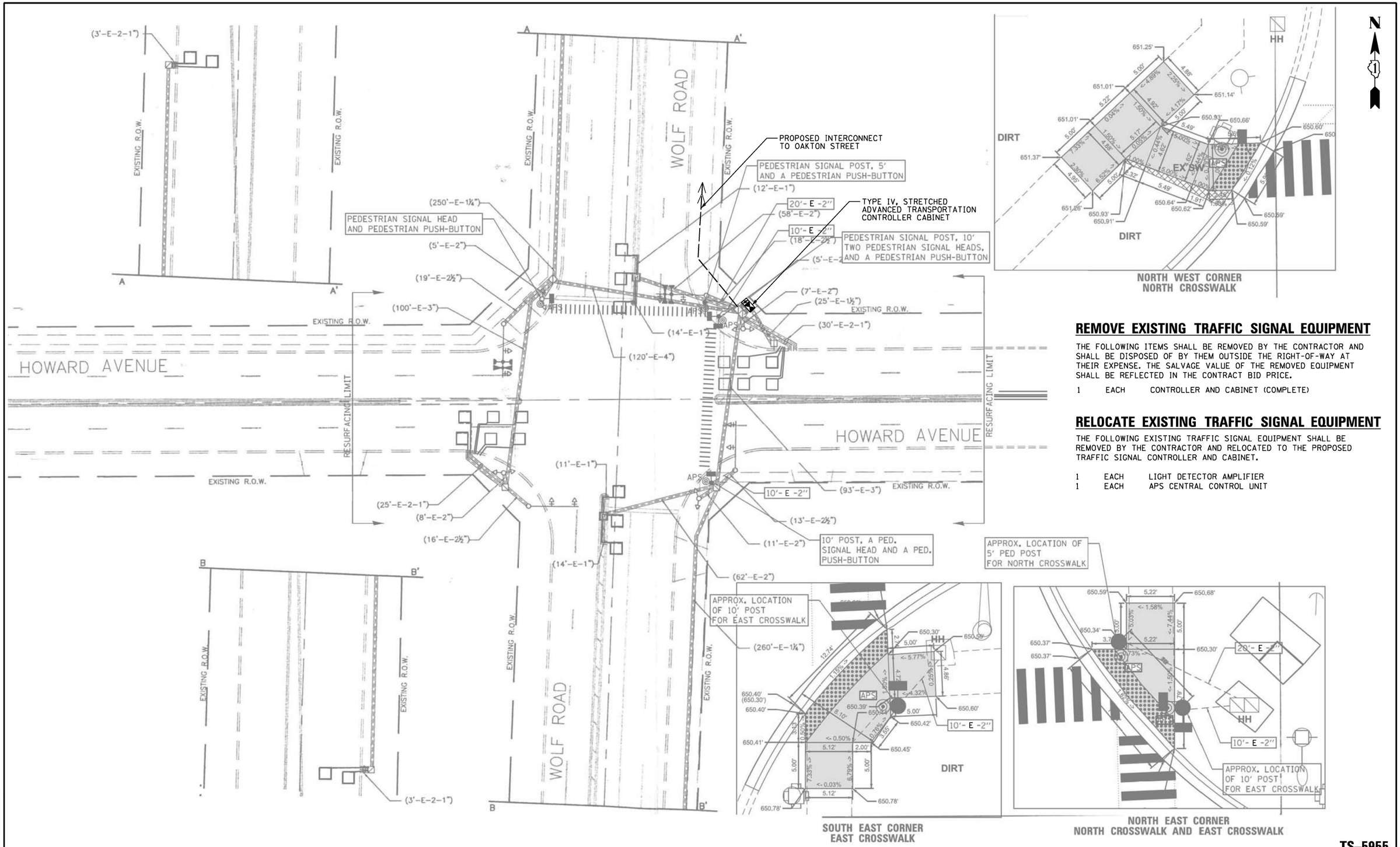
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	OAKTON_07_CAB-Webster.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
OAKTON STREET AND WEBSTER LANE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	195
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REMOVE 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 BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET.

1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	APS CENTRAL CONTROL UNIT

LOCATION NO. 86

TS–5955
IDOT TACTICS
ZONE EAGLE 8N

TS SHT NO. 188

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATIONS CHK'D — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTED, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

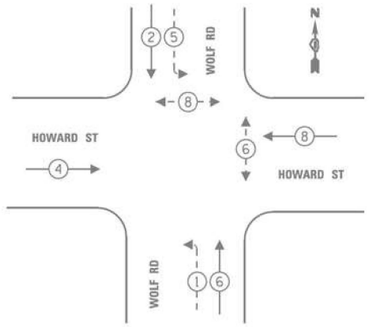
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
WOLF ROAD AND HOWARD AVENUE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	196
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

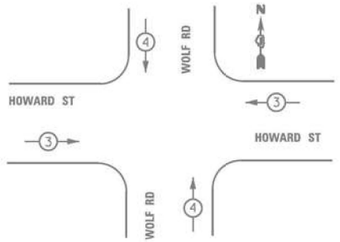
EXISTING CONTROLLER SEQUENCE

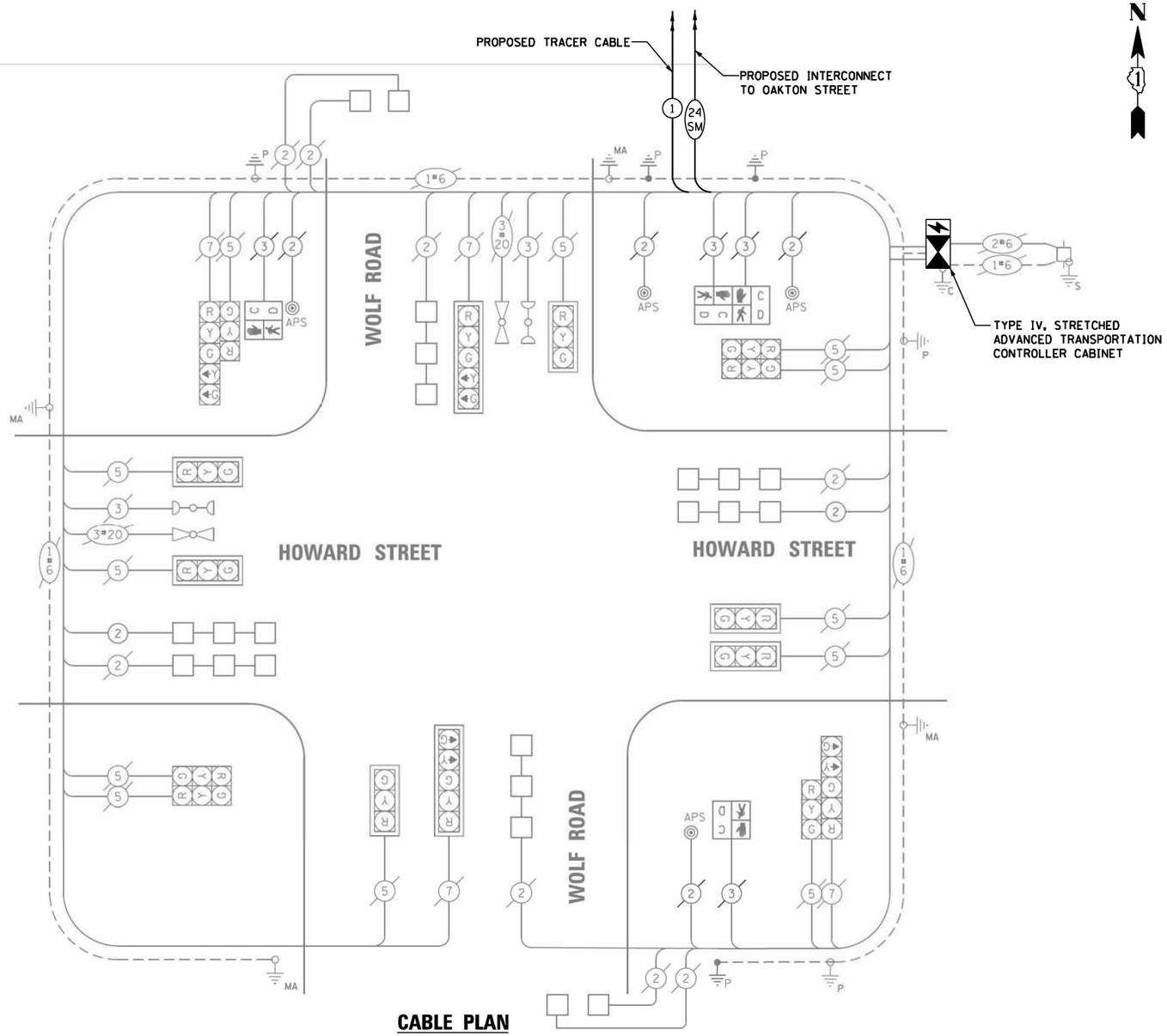


LEGEND:

- 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	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			419
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1024

ENERGY COSTS TO:

ENERGY SUPPLY:
CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEATH EDISON
ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	10
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 86

TS–5955
IDOT TACTICS
ZONE EAGLE 8N

TS SHT NO. 189

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
WOLF_02_CAB-Howard.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
WOLF ROAD AND HOWARD AVENUE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	197
		CONTRACT NO. 62W82		

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

REMOVE 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 BID PRICE.

1 EACH CABINET (COMPLETE)

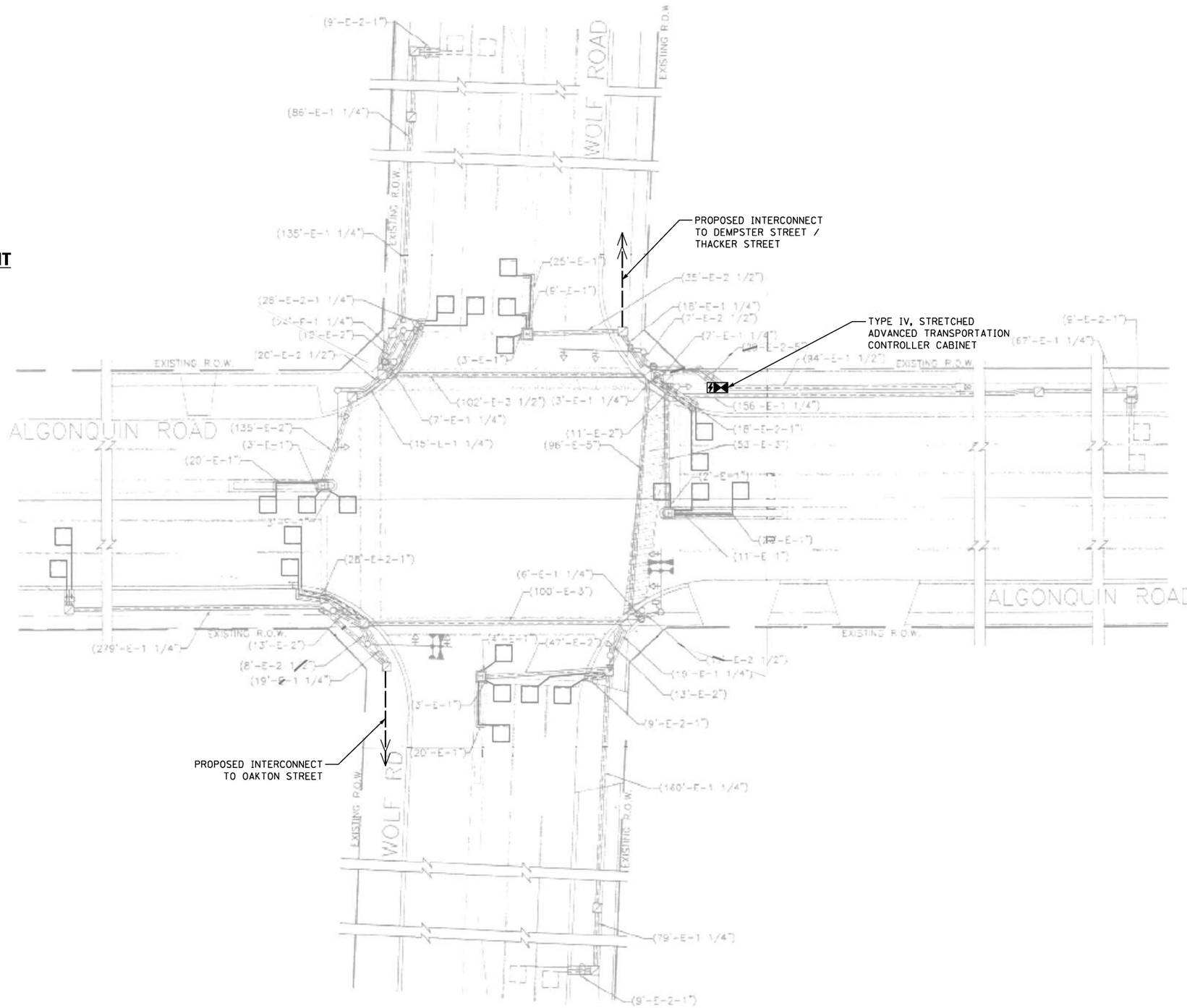
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET.

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH APS CENTRAL CONTROL UNIT



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NOTE:

1. THIS SIGNALIZED INTERSECTION HAS EXISTING APS. REFER TO THE CABLE PLAN FOR LOCATIONS.

LOCATION NO. 82

TS–4130
IDOT TACTICS
ZONE EAGLE 8N

TS SHT NO. 190

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.O.W. STAKED / STRUCTURE NOTATNS CHKD — BY — DATE — NOTE BOOK — NO.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. STAKED / CADD FILE NAME — BY — DATE — NOTE BOOK — NO.

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Rosemont, Illinois 60018
(847) 823-0500

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		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

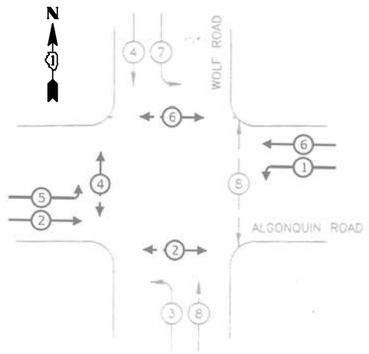
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
WOLF ROAD AND ALGONQUIN ROAD

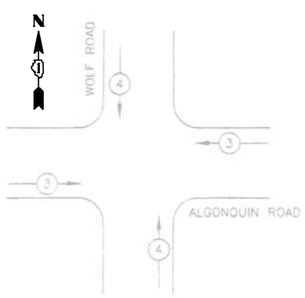
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	198
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



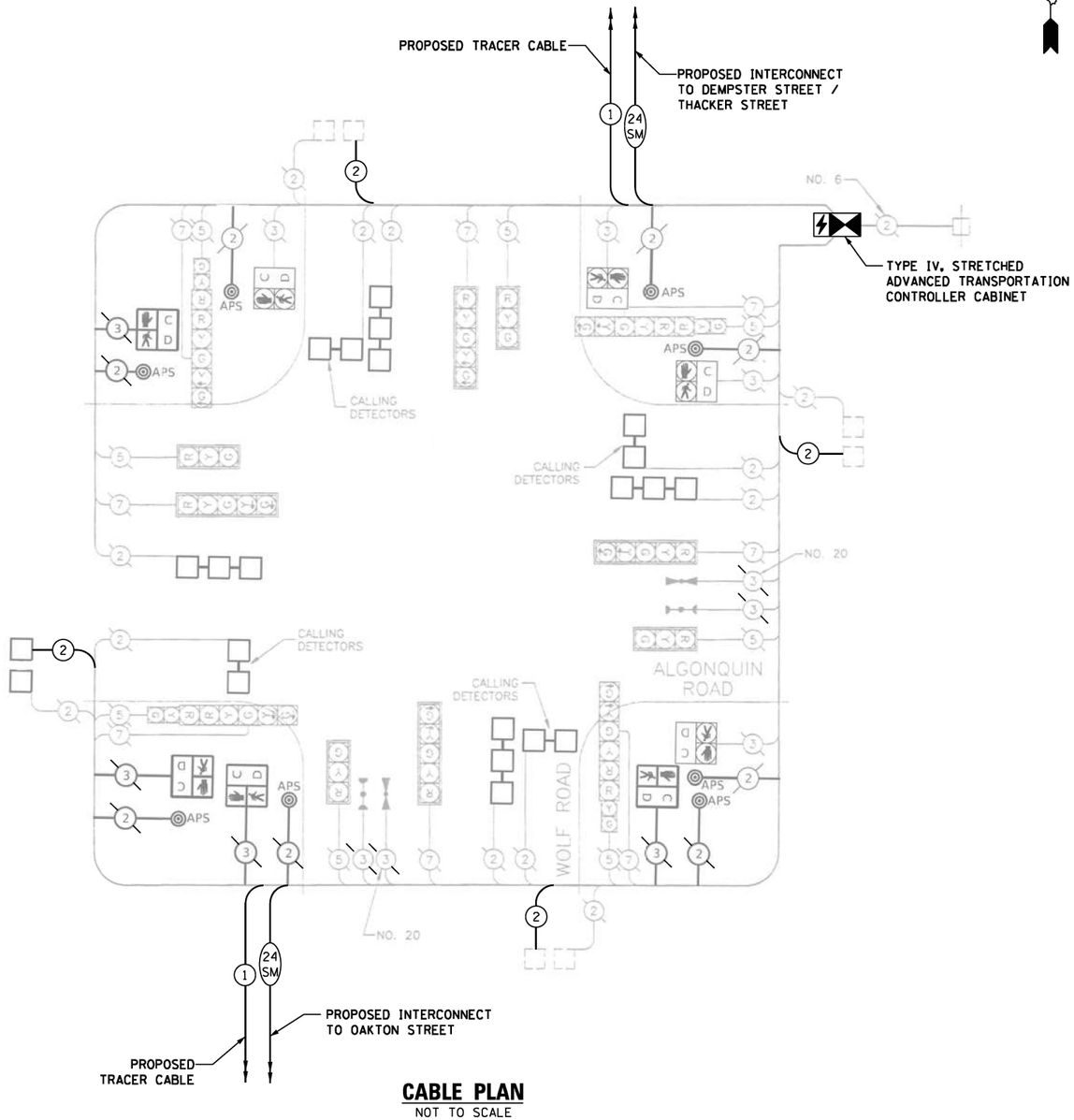
EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

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

PHASE DESIGNATION DIAGRAM



CABLE PLAN

NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1709
INDUCTIVE LOOP DETECTOR	EACH	16
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**452**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1057**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____

LOCATION NO. 81

TS–4130
IDOT TACTICS
ZONE EAGLE 8N

TS SHT NO. 191

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.O.W. MONUMENTED / STRUCTURE NOTATNS CH'KD — NOTE BOOK — NO. ____

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. MONUMENTED / CADD FILE NAME ____ — NOTE BOOK — NO. ____

BY — DATE

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Rosemont, Illinois 60018
(847) 823-0500

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	WOLF_04_CAB-Algonquin.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
WOLF ROAD AND ALGONQUIN ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	199
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE 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 BID PRICE.

1 EACH CABINET (COMPLETE)

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1 EACH CONTROLLER

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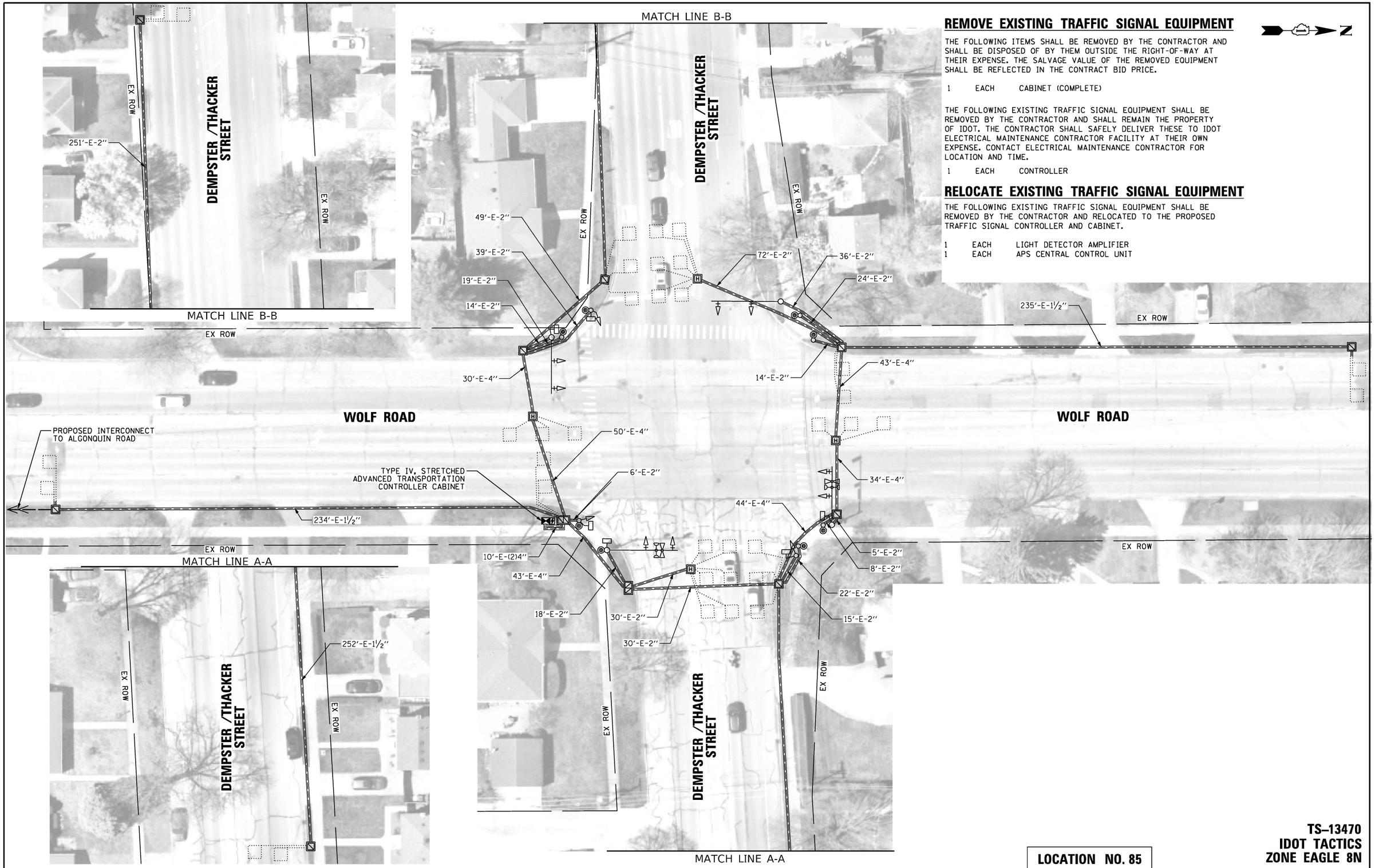
1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH APS CENTRAL CONTROL UNIT



LOCATION NO. 85

TS–13470
IDOT TACTICS
ZONE EAGLE 8N

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		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
WOLF ROAD AND DEMPSTER / THACKER STREET

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	200
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

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TS SHT NO. 192