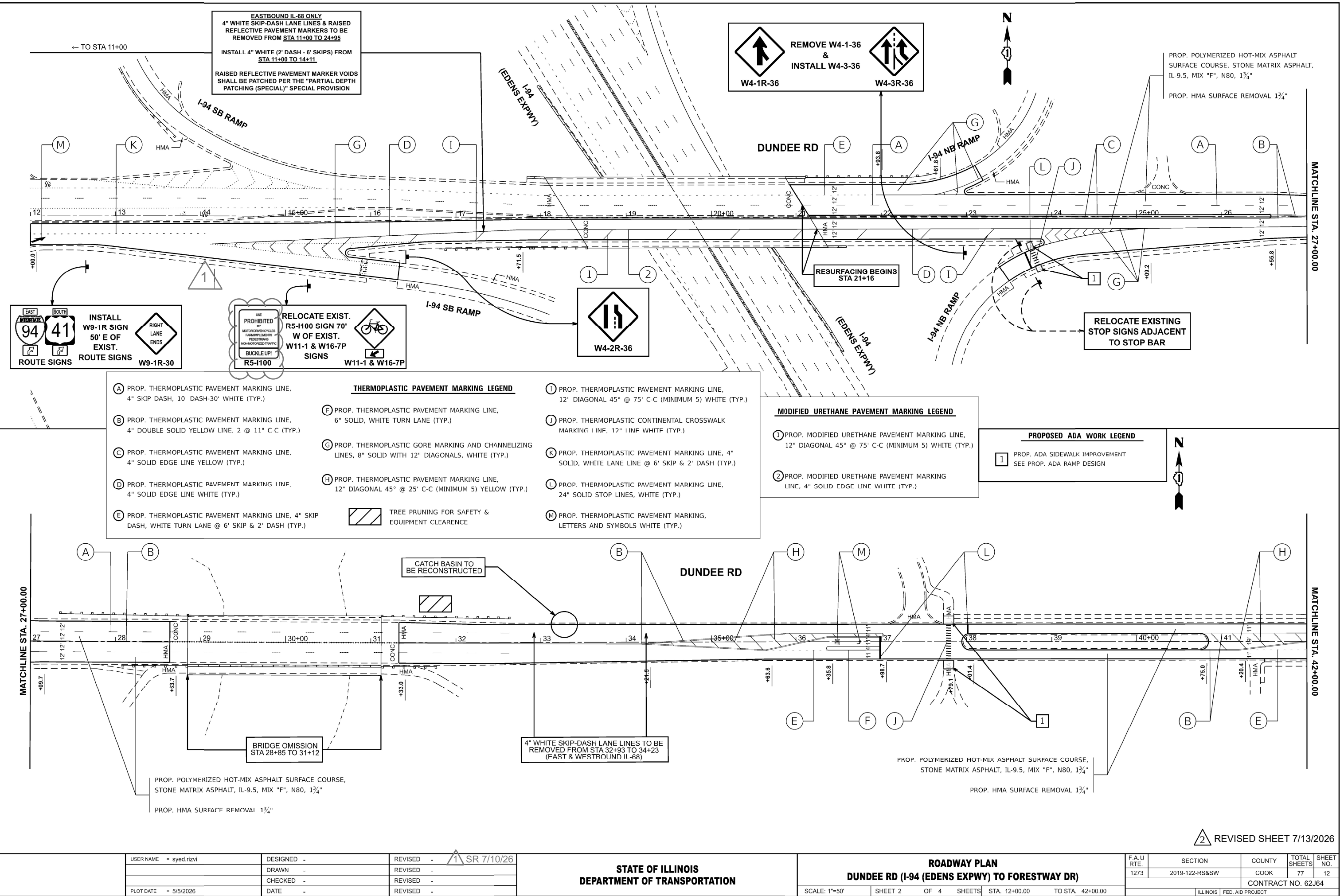


MODEL: DundeeRd_E - Plan 1 [Sheet]
FILE NAME: c:\paw_work\paw\dundee\dundee_rte\dundee_rte.dgn



2 REVISED SHEET 7/13/2026

USER NAME	= syed.rizvi	DESIGNED -	DESIGNED -	REVISED -	REVISED -
		DRAWN -	DRAWN -	REVISED -	REVISED -
		CHECKED -	CHECKED -	REVISED -	REVISED -
PLOT DATE	= 5/5/2026	DATE -	DATE -	REVISED -	REVISED -

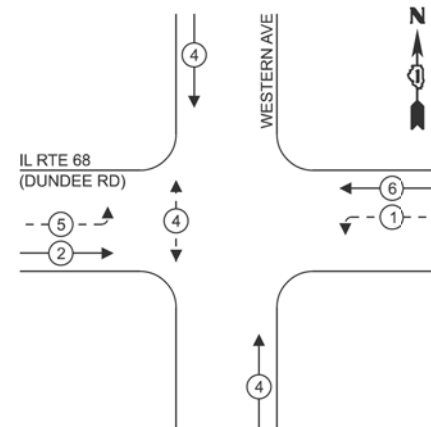
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)

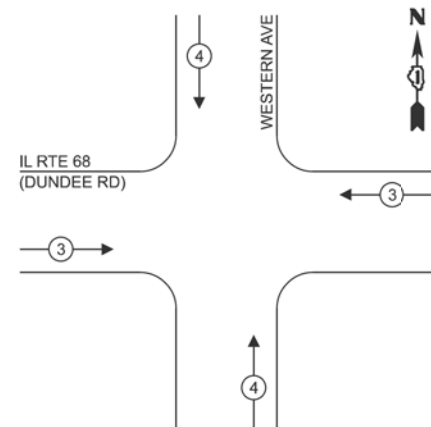
SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 12+00.00 TO STA. 42+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	12
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

EXISTING AND PROPOSED CONTROLLER PHASE DIAGRAM



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION PHASE DIAGRAM



LEGEND:

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

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
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	3	240	720
TOTAL SERVICE WIRE SIZING		1,692	

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: NEW BUSINESS

PHONE: 866-639-3532

COMPANY: COMED

ACCOUNT NUMBER: 29054-44000

METER NUMBER: ---

CABLE PLAN

SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1



USER NAME = dwiktorzak
PLOT DATE = 4/9/2026

DESIGNED - ZH
DRAWN - RG
CHECKED - DW
DATE - 3/19/26

REVISIONS
REVISIONS
REVISIONS
REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAMS AND SCHEDULE OF QUANTITIES
IL RTE 68 (DUNDEE RD) AT WESTERN AVE

SCALE: SHEET 1 OF 2 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	15
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

TS 3195
ECON 86

REVISED ENTIRE SHEET 7/06/2026

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THIS WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

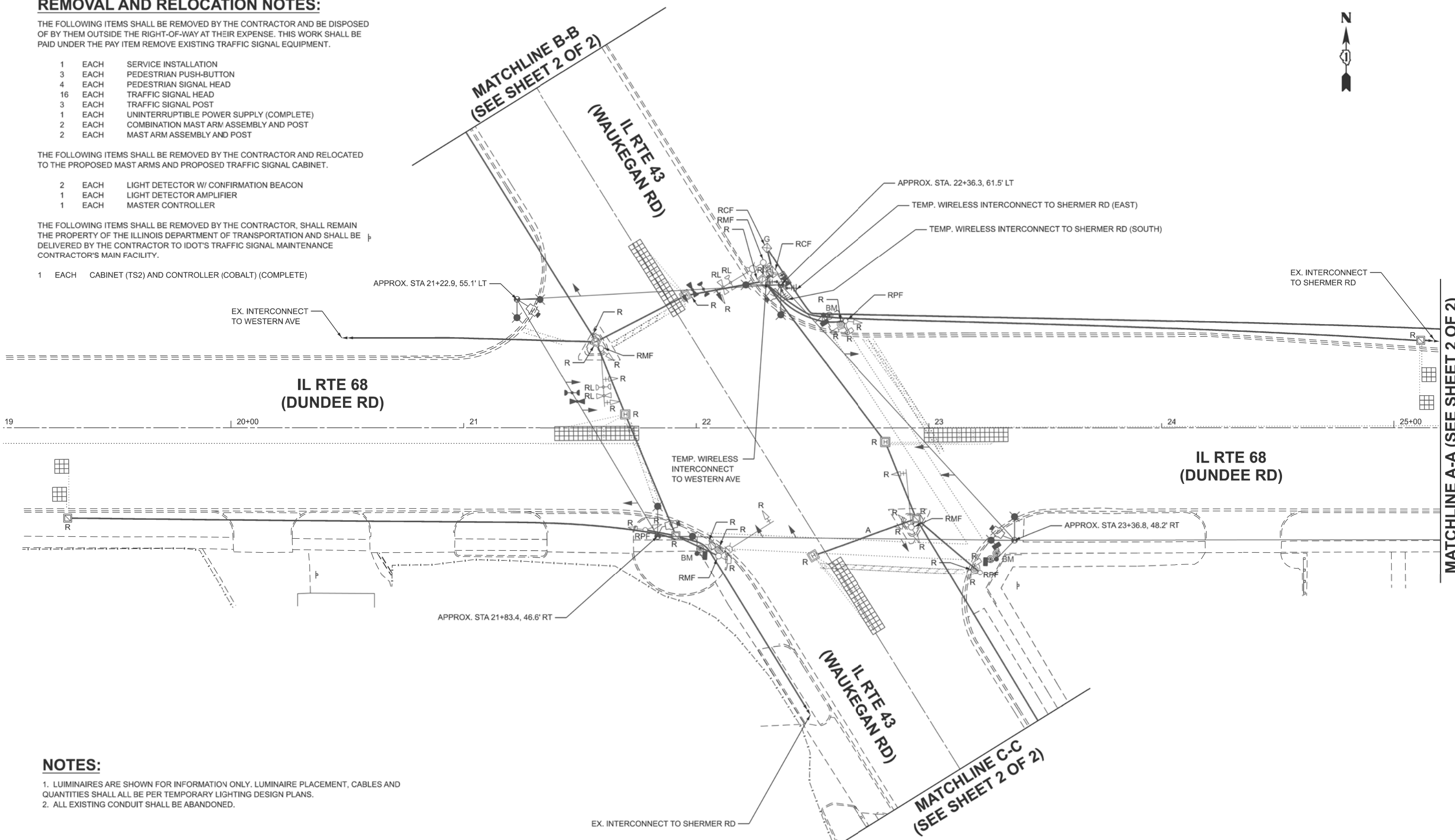
1	EACH	SERVICE INSTALLATION
3	EACH	PEDESTRIAN PUSH-BUTTON
4	EACH	PEDESTRIAN SIGNAL HEAD
16	EACH	TRAFFIC SIGNAL HEAD
3	EACH	TRAFFIC SIGNAL POST
1	EACH	UNINTERRUPTIBLE POWER SUPPLY (COMPLETE)
2	EACH	COMBINATION MAST ARM ASSEMBLY AND POST
2	EACH	MAST ARM ASSEMBLY AND POST

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED MAST ARMS AND PROPOSED TRAFFIC SIGNAL CABINET.

2	EACH	LIGHT DETECTOR W/ CONFIRMATION BEACON
1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	MASTER CONTROLLER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

1	EACH	CABINET (TS2) AND CONTROLLER (COBALT) (COMPLETE)
---	------	--



NOTES:

- LUMINAIRES ARE SHOWN FOR INFORMATION ONLY. LUMINAIRE PLACEMENT, CABLES AND QUANTITIES SHALL ALL BE PER TEMPORARY LIGHTING DESIGN PLANS.
- ALL EXISTING CONDUIT SHALL BE ABANDONED.

MODEL: TS2100 - TS Removal
FILE NAME: X:\Projects\2024\2481220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\125420-shd-ts-removal.dgn



USER NAME	= rgeorgescu	DESIGNED -	ZH	REVISED -	
		DRAWN -	RG	REVISED -	
		CHECKED -	DW	REVISED -	
PLOT DATE	= 5/4/2026	DATE	= 3/19/26	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL & REMOVAL PLAN (SHEET 1 OF 2)
IL RTE 68 (DUNDEE RD) AT IL RTE 43 (WAUKEGAN RD)

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

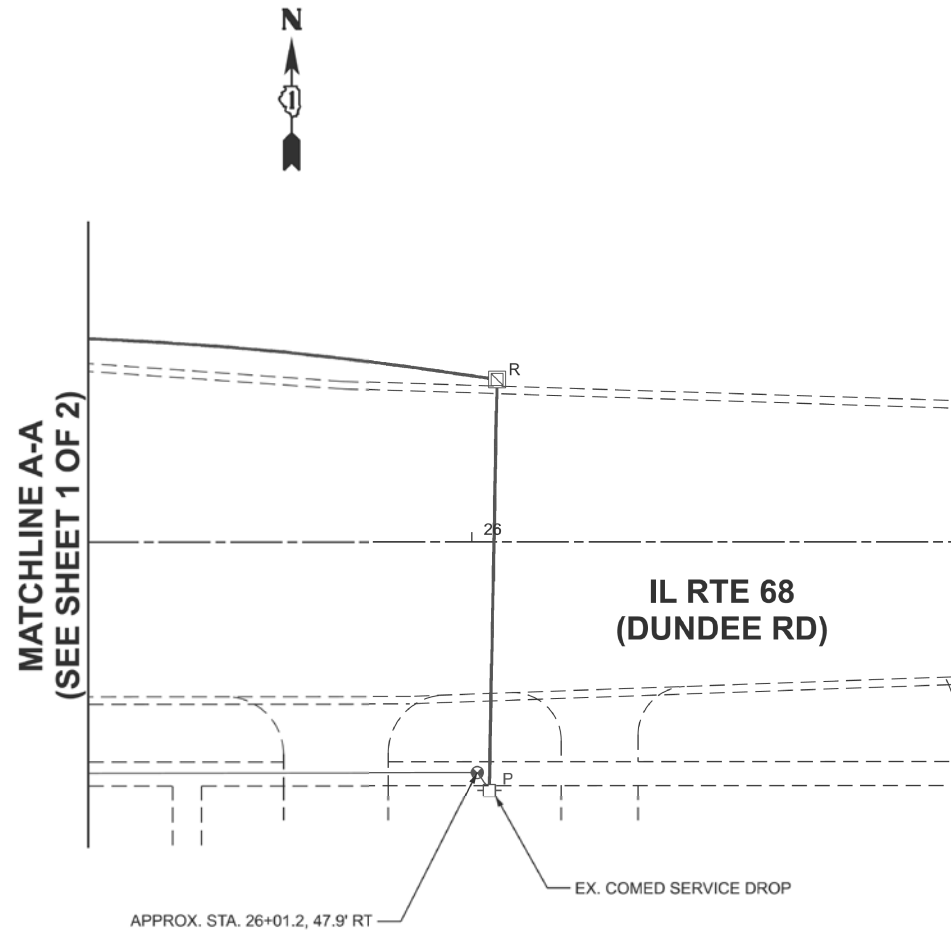
1 REVISED ENTIRE SHEET 7/06/2026

TS 2100
ECON 86

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	16
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

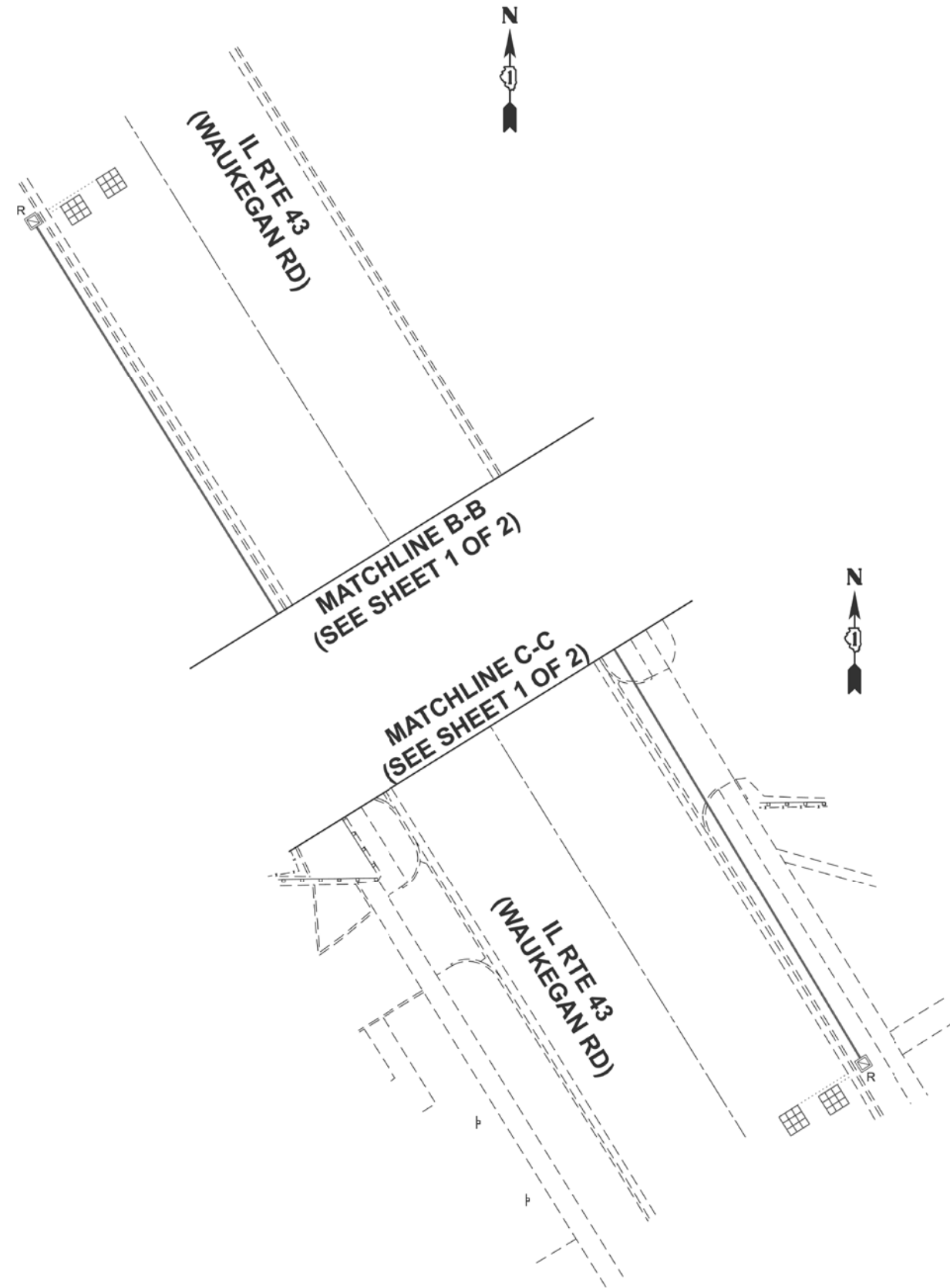
MATCHLINE A-A (SEE SHEET 2 OF 2)

MODEL: TS2100 - TS Removal.k2
FILE NAME: X:\Projects\2024\2481\220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\125420-shd-ts-removal.dgn



NOTES:

1. ALL EXISTING CONDUIT SHALL BE ABANDONED.



1 REVISED ENTIRE SHEET 7/06/2026

**TS 2100
ECON 86**



USER NAME	* rgeorgescu	DESIGNED -	ZH	REVISED -	
		DRAWN -	RG	REVISED -	
		CHECKED -	DW	REVISED -	
PLOT DATE	* 5/4/2026	DATE -	3/16/26	REVISED -	

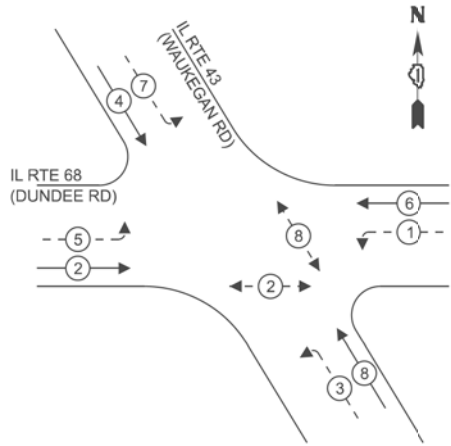
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL & REMOVAL PLAN (SHEET 2 OF 2)
IL RTE 68 (DUNDEE RD) AT IL RTE 43 (WAUKEGAN RD)**

SCALE: SHEET 3 OF 24 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	17
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

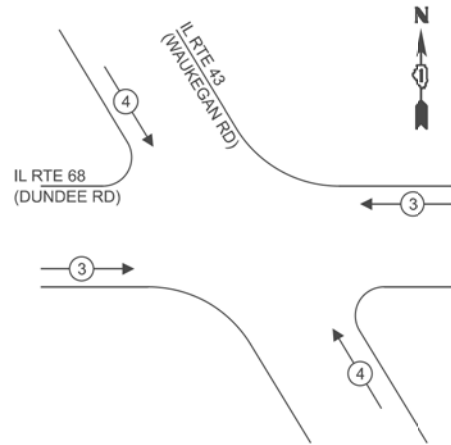
TEMPORARY CONTROLLER
PHASE DIAGRAM



LEGEND:

- ← (⊙) → PROTECTED PHASE
- ← (⊙) - - PROTECTED/PERMISSIVE PHASE
- ← (⊙) → PEDESTRIAN PHASE

TEMPORARY EMERGENCY VEHICLE
PREEMPTION PHASE DIAGRAM



TRAFFIC SIGNAL
ELECTRIC SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	1	100	100
UPS	1	25	25
DETECTION VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING			563
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
TOTAL SERVICE WIRE SIZING			4,031

NOTES:

1. LUMINAIRES ARE SHOWN FOR INFORMATION ONLY.
LUMINAIRE PLACEMENT, CABLES AND QUANTITIES SHALL ALL
BE PER TEMPORARY LIGHTING DESIGN PLANS.

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: NEW BUSINESS

PHONE: 866-639-3532

COMPANY: COMED

ACCOUNT NUMBER: ---

METER NUMBER: ---



USER NAME = zhoerbert
DESIGNED - ZH
DRAWN - RG
CHECKED - DW
DATE - 3/19/26
PLOT DATE = 4/7/2026

REVISD -
REVISD -
REVISD -
REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND PHASE DIAGRAMS
IL RTE 68 (DUNDEE RD) AT IL RTE 43 (WAUKEGAN RD)

SCALE: SHEET 4 OF 2# SHEETS STA. TO STA.

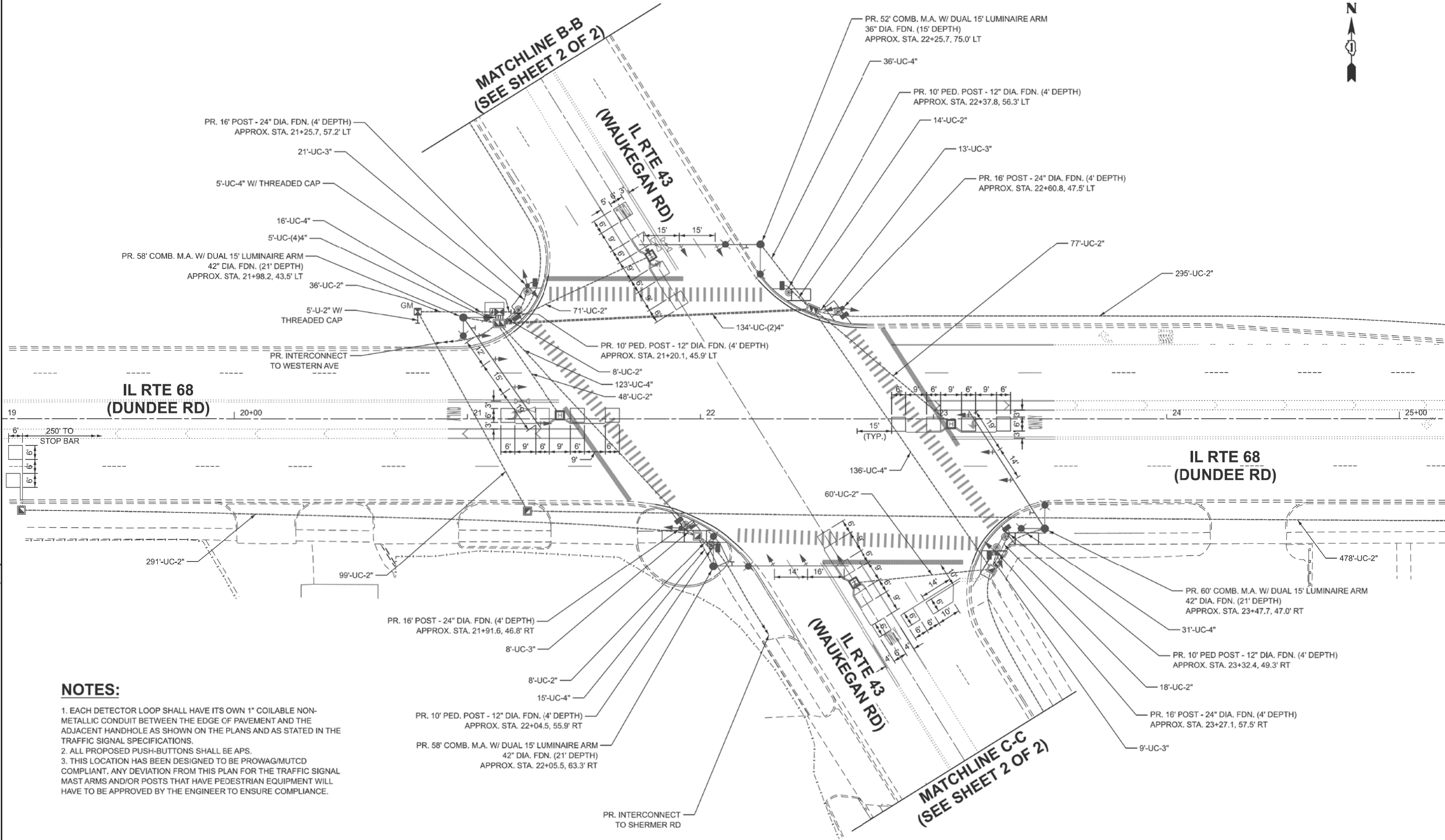
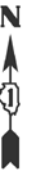
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	18
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

TEMPORARY CABLE PLAN

1 REVISED ENTIRE SHEET 7/06/2026

TS 2100
ECON 86

MODEL: TS2100 Temp Cable
FILE NAME: X:\Projects\2024\2481\220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\0125420-shfts-cable.dgn



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
3. THIS LOCATION HAS BEEN DESIGNED TO BE PROWAG/MUTCD COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE COMPLIANCE.

MODEL: TS2100 - TS Plan-1
FILE NAME: X:\Projects\2024\2481\220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\125420-shit-to-plan.dgn



USER NAME	• rgeorgescu
DESIGNED	- ZH
DRAWN	- RG
CHECKED	- DW
PLOT DATE	• 5/4/2026
DATE	- 3/19/26

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
IL RTE 68 (DUNDEE RD) AT IL RTE 43 (WAUKEGAN RD)

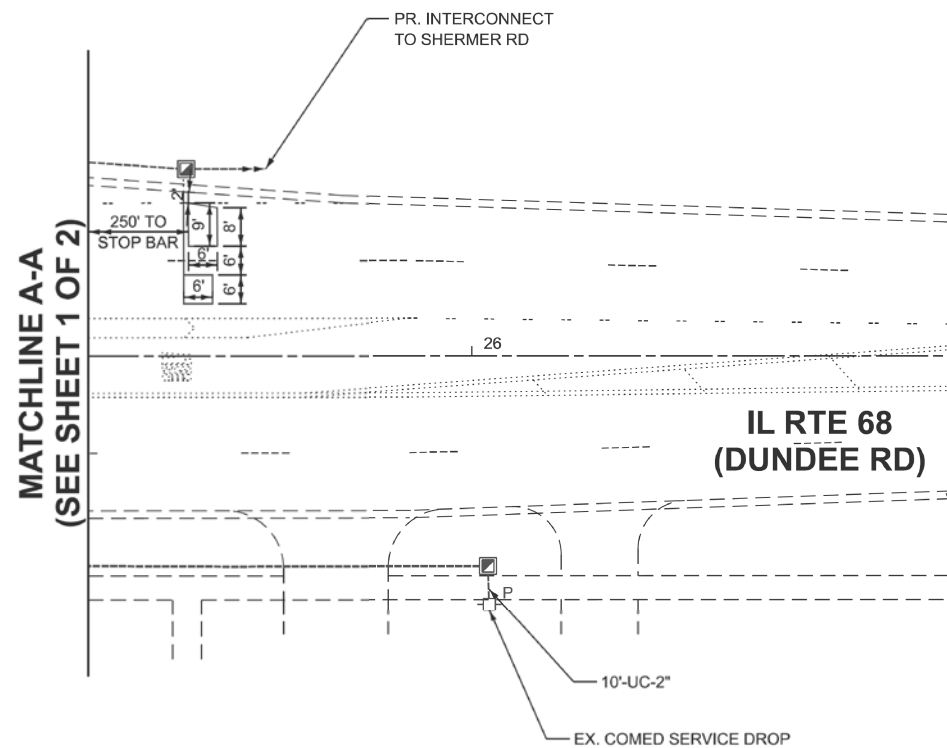
SCALE: SHEET 5 OF 24 SHEETS STA. TO STA.

REVISD ENTIRE SHEET 7/06/2026

TS 2100
ECON 86

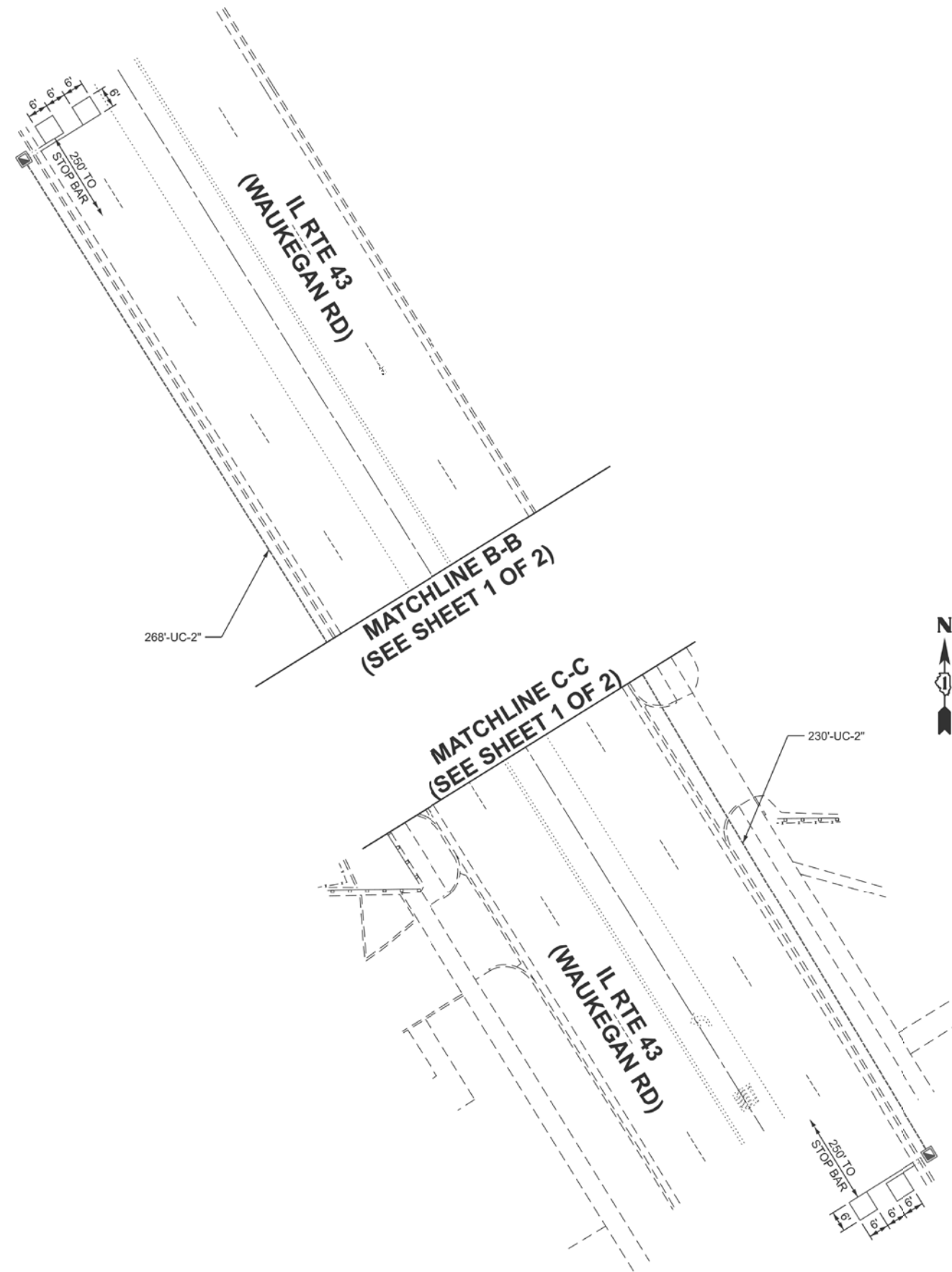
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	19
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

MODEL: TS2100 - TS Plan-2
FILE NAME: X:\Projects\2024\2481\220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\125420-shit-to-plan.dgn



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
3. THIS LOCATION HAS BEEN DESIGNED TO BE PROWAG/MUTCD COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE COMPLIANCE.



**TS 2100
ECON 86**

REVISED ENTIRE SHEET 7/06/2026



USER NAME	rgheorgescu	DESIGNED	ZH	REVISED	-
		DRAWN	RG	REVISED	-
		CHECKED	DW	REVISED	-
PLOT DATE	5/4/2026	DATE	3/19/26	REVISED	-

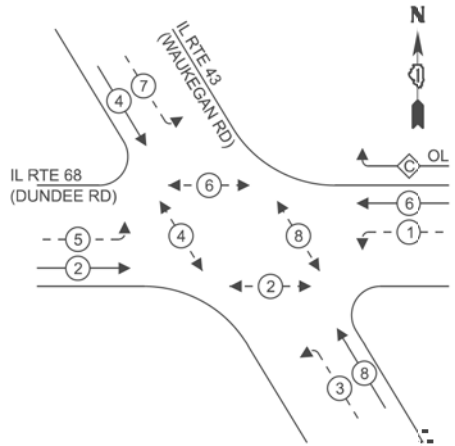
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
IL RTE 68 (DUNDEE RD) AT IL RTE 43 (WAUKEGAN RD)**

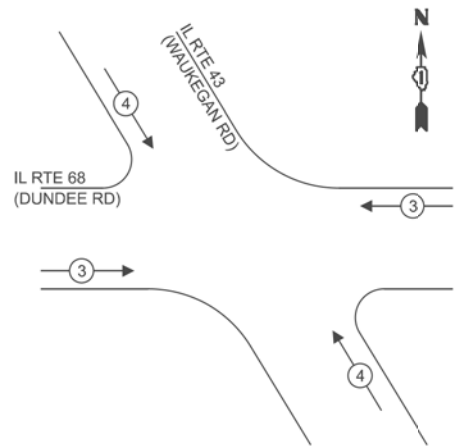
SCALE: SHEET 6 OF 24 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	20
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER
PHASE DIAGRAM

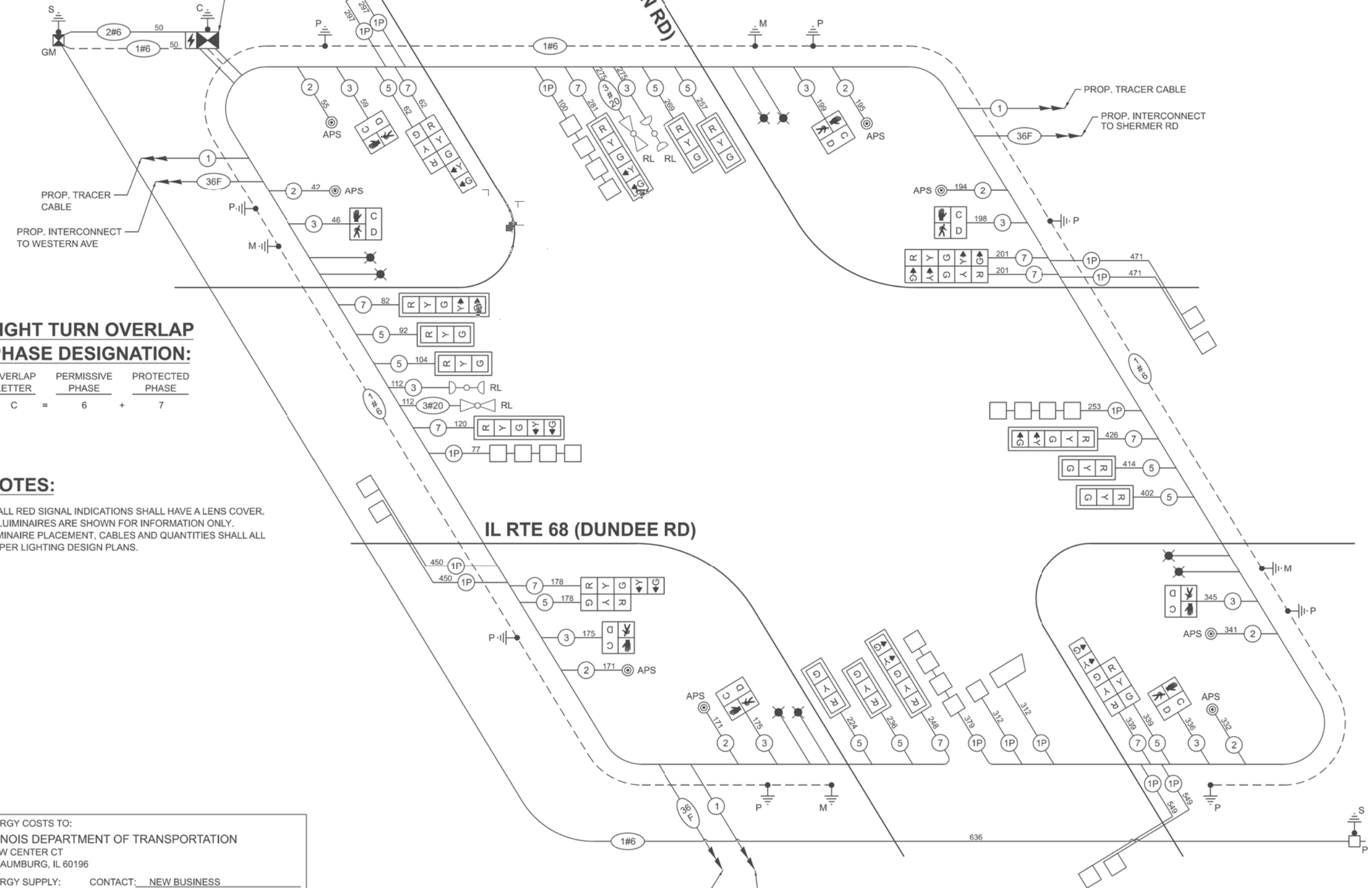


PROPOSED EMERGENCY VEHICLE
PREEMPTION PHASE DIAGRAM



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMISSIVE PHASE
- PEDESTRIAN PHASE
- OVERLAP



RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 6	+ 7

NOTES:

- ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER.
- LUMINAIRES ARE SHOWN FOR INFORMATION ONLY. LUMINAIRE PLACEMENT, CABLES AND QUANTITIES SHALL ALL BE PER LIGHTING DESIGN PLANS.

TRAFFIC SIGNAL
ELECTRIC SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	11	11	121
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	1	100	100
UPS	1	25	25
DETECTION VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING			646
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	1,920
TOTAL SERVICE WIRE SIZING			3,171

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY:

CONTACT: NEW BUSINESS

PHONE: 866-639-3532

COMPANY: COMED

ACCOUNT NUMBER: 78787-52222

METER NUMBER: ---



USER NAME =	dwtorczak
DESIGNED -	ZH
DRAWN -	RG
CHECKED -	DW
DATE -	3/19/26
PLOT DATE =	4/9/2026

DESIGNED -	ZH
DRAWN -	RG
CHECKED -	DW
DATE -	3/19/26

REVISED -	-
REVISED -	-
REVISED -	-
REVISED -	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DIAGRAMS
IL RTE 68 (DUNDEE RD) AT IL RTE 43 (WAUKEGAN RD)

SCALE: SHEET 7 OF 24 SHEETS STA. TO STA.

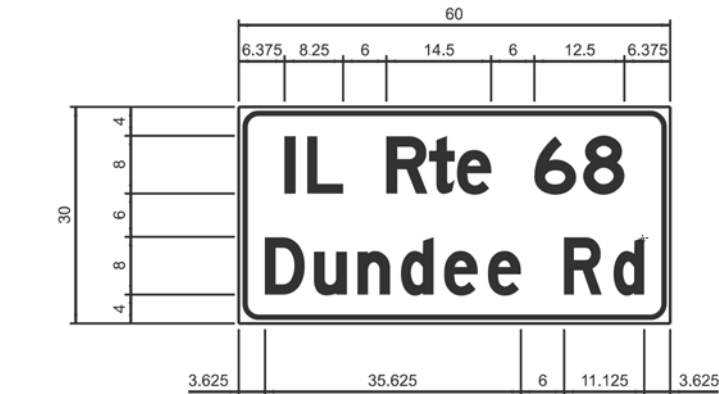
CABLE PLAN

1 REVISED ENTIRE SHEET 7/06/2026

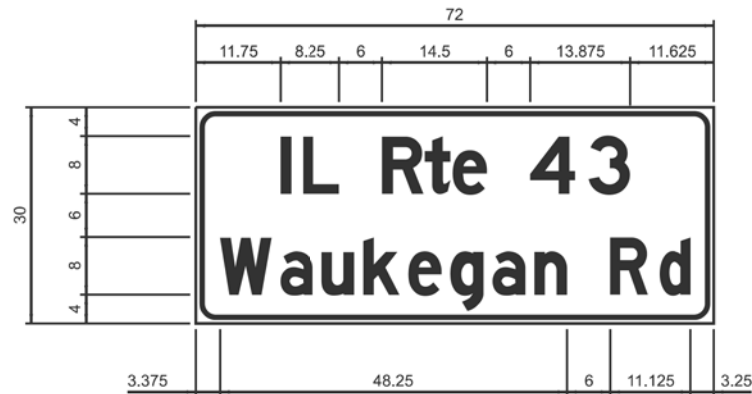
TS 2100
ECON 86

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	21
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

SIGN PANEL DETAIL - TYPE 2
ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15	2	ZZ	2

NOTE:
FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET
NAME SIGN DETAIL.

SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 2	SQ FT	55
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2016
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	51
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	650
HANDHOLE	EACH	8
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1501
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1920
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2577
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2138
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4967
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	686
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1001
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	63
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE I	FOOT	941
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	13
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	387
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
LED SIGNAL FACE, LENS COVER	EACH	21
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

MODEL - MAM SIGNS AND QUANTITIES
FILE NAME - X:\Projects\2024\2481220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\0125420-shc-TS-MAM_Quantities.dgn



USER NAME = rgeorgescu	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 4/2/2026	DATE - 3/19/26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS & SCHEDULE OF QUANTITIES
IL RTE 68 (DUNDEE RD) AT IL RTE 43 (WAUKEGAN RD)

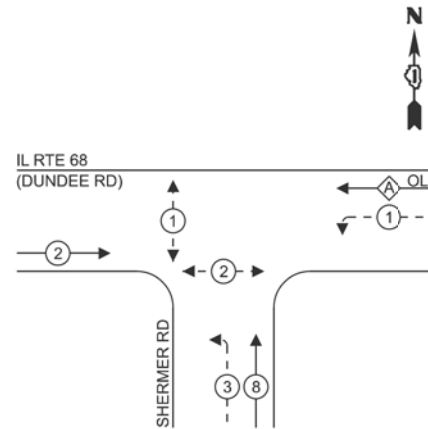
SCALE: SHEET 8 OF 2# SHEETS STA. TO STA.

REVISD ENTIRE SHEET 7/06/2026

TS 2100
ECON 86

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	22
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

EXISTING AND PROPOSED
CONTROLLER PHASE DIAGRAM



LEGEND:

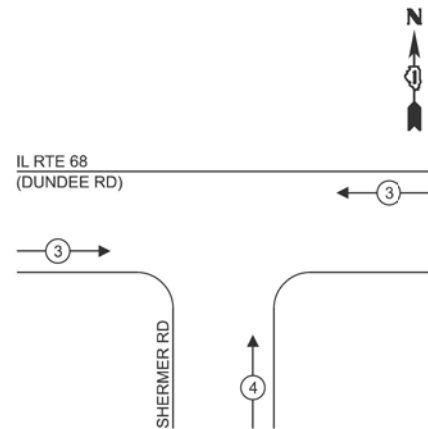
- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMISSIVE PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 1	+ 2

* OVERLAP "A" HAS TO STOP WHEN PEDESTRIAN
PHASE "1" IS ACTIVATED.

EXISTING AND PROPOSED
EMERGENCY VEHICLE
PREEMPTION PHASE DIAGRAM



TRAFFIC SIGNAL
ELECTRIC SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	3	22	66
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING		393	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	1	240	240
TOTAL SERVICE WIRE SIZING		1,238	

SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

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

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: 866-639-3532
COMPANY: COMED
ACCOUNT NUMBER: 29054-44000
METER NUMBER: ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAMS AND SCHEDULE OF QUANTITIES
IL RTE 68 (DUNDEE RD) AT SHERMER RD

SCALE: SHEET 9 OF 2# SHEETS STA. TO STA.

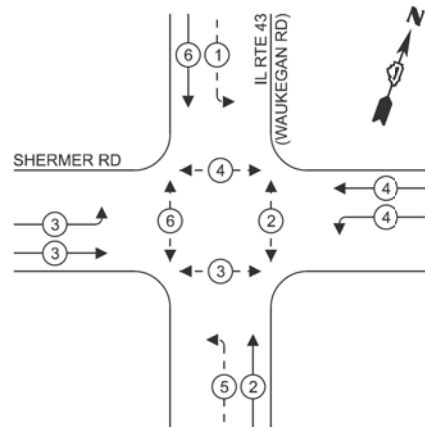
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	23
CONTRACT NO. 62J64				

ILLINOIS FED. AID PROJECT

TS 3180
ECON 86

REVISD ENTIRE SHEET 7/06/2026

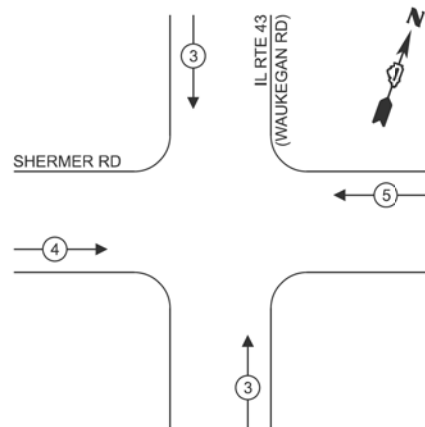
EXISTING AND PROPOSED
CONTROLLER PHASE DIAGRAM



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMISSIVE PHASE
- PEDESTRIAN PHASE
- OVERLAP

EXISTING AND PROPOSED
EMERGENCY VEHICLE
PREEMPTION PHASE DIAGRAM



TRAFFIC SIGNAL
ELECTRIC SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	7	11	77
4-SECTION	4	14	56
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING			480
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	4	240	960
TOTAL SERVICE WIRE SIZING			2,045

SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

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

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: 866-639-3532
COMPANY: COMED
ACCOUNT NUMBER: 29054-44000
METER NUMBER: ---

SHERMER RD

IL RTE 43
(WAUKEGAN RD)

CABLE PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAMS AND SCHEDULE OF QUANTITIES
IL RTE 43 (WAUKEGAN RD) AT SHERMER RD

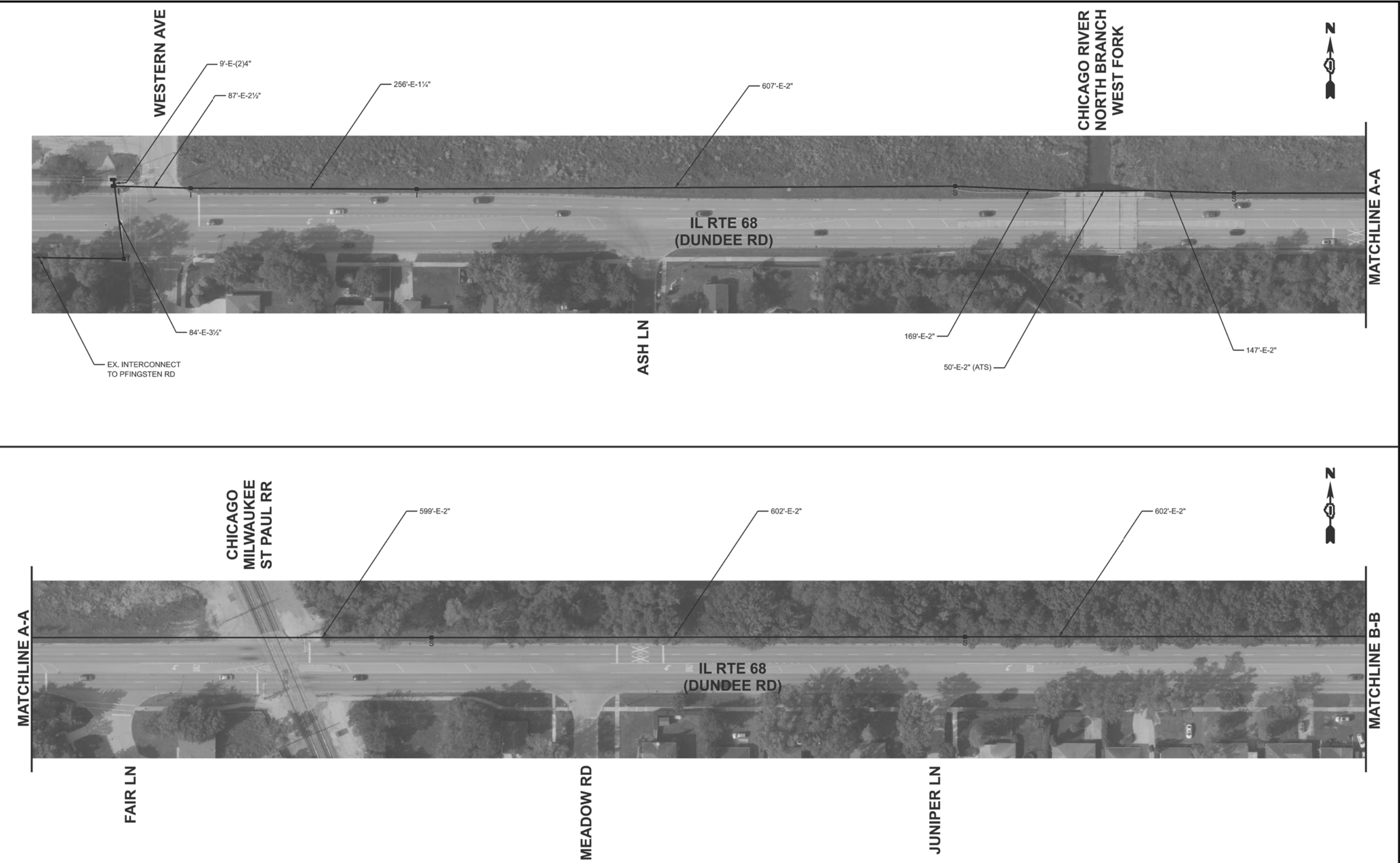
SCALE: SHEET 10 OF 24 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	24
CONTRACT NO. 62J64				

REVISD ENTIRE SHEET 7/06/2026

TS 14430
ECON 86

MODEL: Interconnect_1
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USER NAME = zhoerbert	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/20/2026	DATE - 3/19/26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN (SHEET 1 OF 4) IL RTE 68 (DUNDEE RD) - WESTERN AVE TO SHERMER RD			
SCALE: 1"=50'	SHEET 20	OF 20	SHEETS
STA. -40+00.00	TO STA. -5+00.00		

F.A.U. RTE. 1273	SECTION 2019-122-RS&SW	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 26
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

REVISD ENTIRE SHEET 7/06/2026 ECON 86

\\MODEL: Interconnect_3
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USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 4/9/2026	DATE - 3/19/26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN (SHEET 2 OF 4) IL RTE 68 (DUNDEE RD) - WESTERN AVE TO SHERMER RD			
SCALE: 1"=50'	SHEET 13	OF 28 SHEETS	STA. -41+80.78 TO STA. -5+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	27
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

1 REVISD ENTIRE SHEET 7/06/2026

ECON 86

MATCHLINE B-B

MATCHLINE C-C

MATCHLINE C-C

MATCHLINE D-D

OAK LEAF
TERR

IL RTE 68
(DUNDEE RD)

IL RTE 43
(WAUKEGAN RD)

MATCHLINE F-F

DRILL EXISTING
HANDHOLE (1)

522'-UC-2"

5'-E-(4)4"

134'-E-(2)4"

295'-E-2"

275'-UC-2"

DRILL EXISTING
HANDHOLE (1)

123'-E-4"

439'-UC-2"



MODEL: Interconnect_5
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USER NAME	= zhoerbert
DESIGNED	- ZH
DRAWN	- RG
CHECKED	- DW
DATE	- 3/19/26
PLOT DATE	= 3/20/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

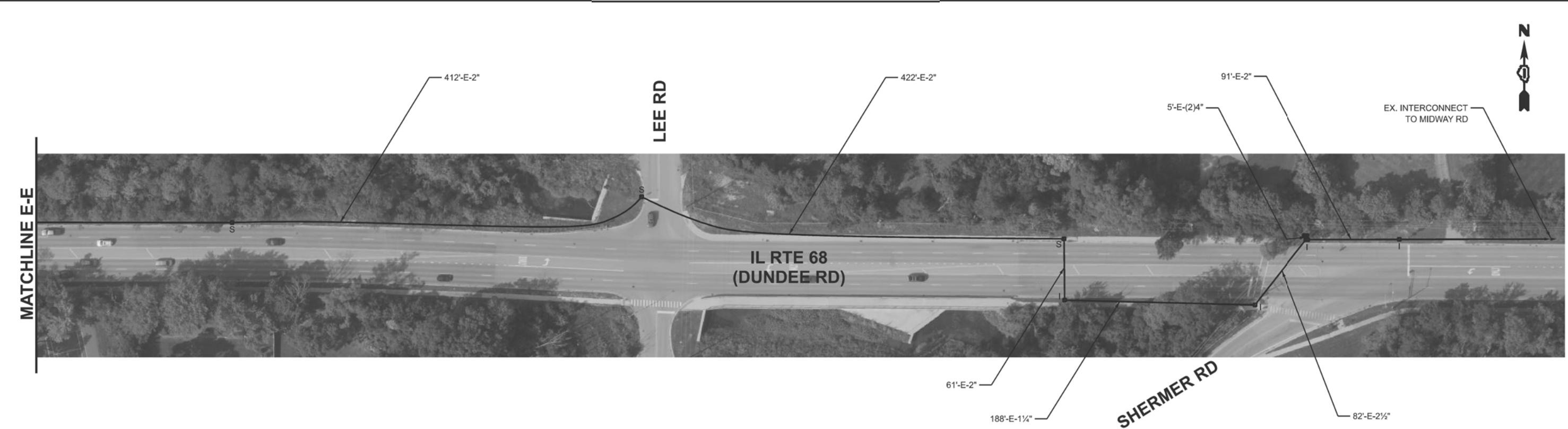
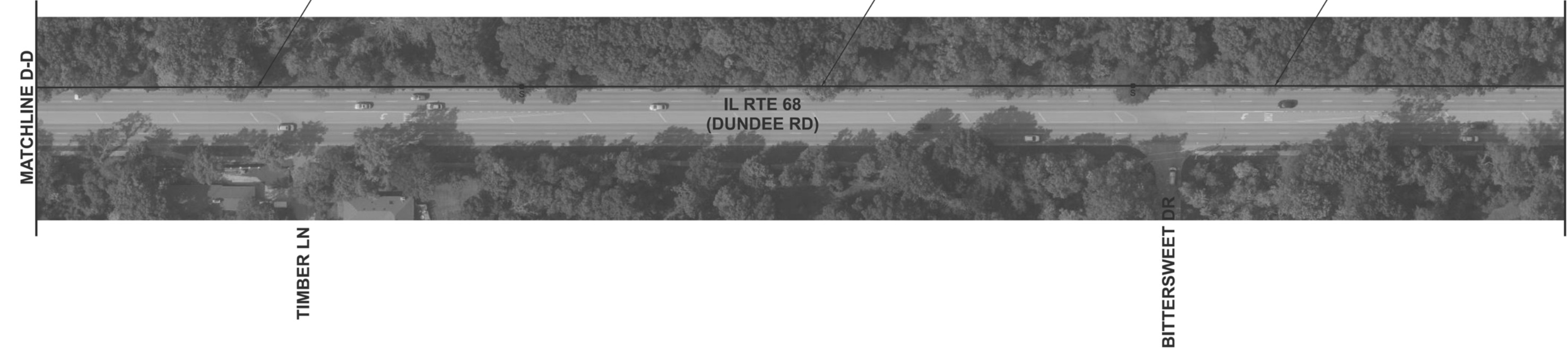
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN (SHEET 3 OF 4)			
IL RTE 68 (DUNDEE AVE) - WESTERN AVE TO SHERMER RD			
SCALE: 1"=50'	SHEET 28	OF 30 SHEETS	STA. -40+00.00 TO STA. -5+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	28
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

REVISED ENTIRE SHEET 7/06/2026

ECON 86



MODEL: Interconnect_7
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USER NAME	= zhoerbert	DESIGNED -	ZH	REVISED -	
		DRAWN -	RG	REVISED -	
		CHECKED -	DW	REVISED -	
PLOT DATE	= 3/20/2026	DATE	= 3/19/26	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

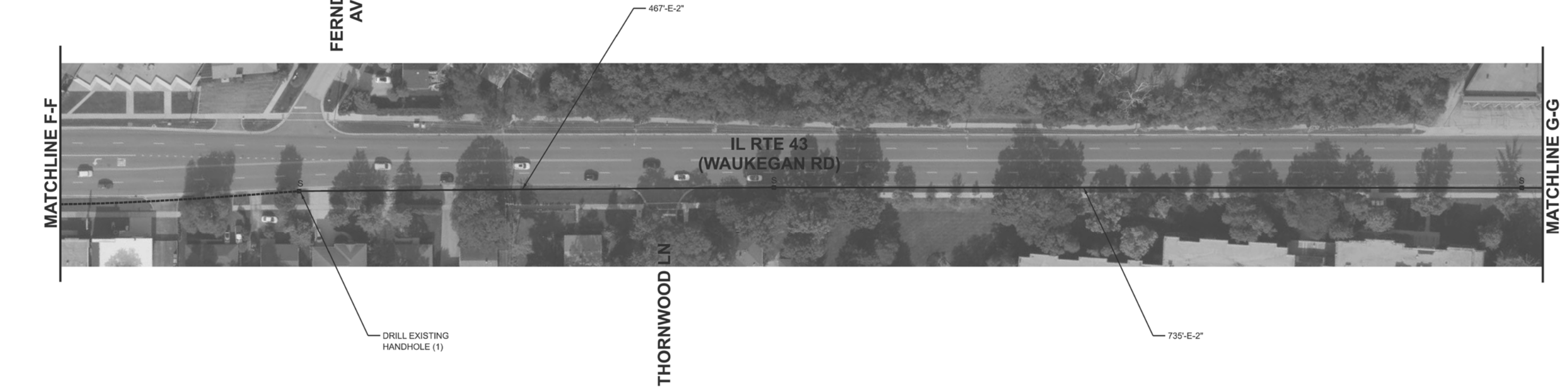
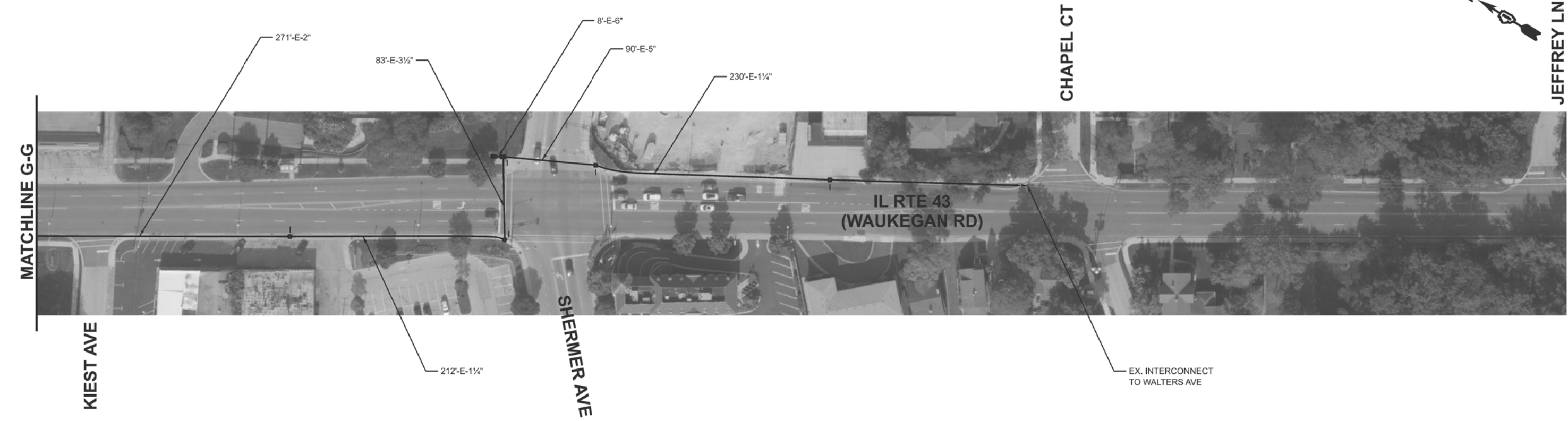
INTERCONNECT PLAN (SHEET 4 OF 4)
IL RTE 68 (DUNDEE RD) - WESTERN AVE TO SHERMER RD

SCALE: 1"=50' SHEET 25 OF 20 SHEETS STA. 0+00.00 TO STA. 37+92.88

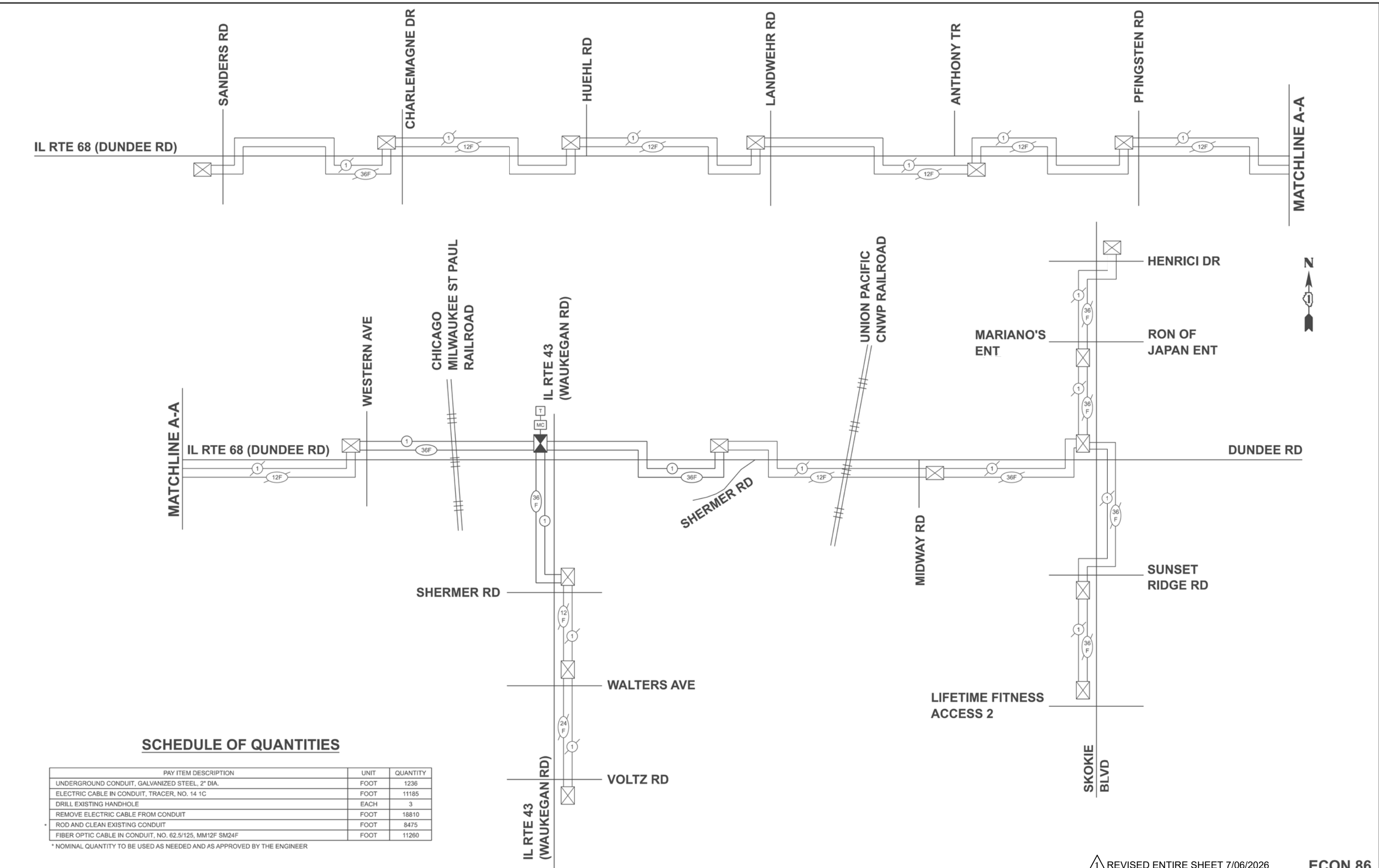
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	29
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

REVISED ENTIRE SHEET 7/06/2026

ECON 86



MODEL: Interconnect
FILE NAME: X:\Projects\2024\2481\220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\125420-shd-to-inter-schematic.dgn



SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1236
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	11185
DRILL EXISTING HANDHOLE	EACH	3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	18810
ROD AND CLEAN EXISTING CONDUIT	FOOT	8475
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	11260

* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER

1 REVISD ENTIRE SHEET 7/06/2026

ECON 86



USER NAME = zhoerbert	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 4/7/2026	DATE - 3/19/26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
IL RTE 68 (DUNDEE RD) - WESTERN AVE TO SHERMER RD

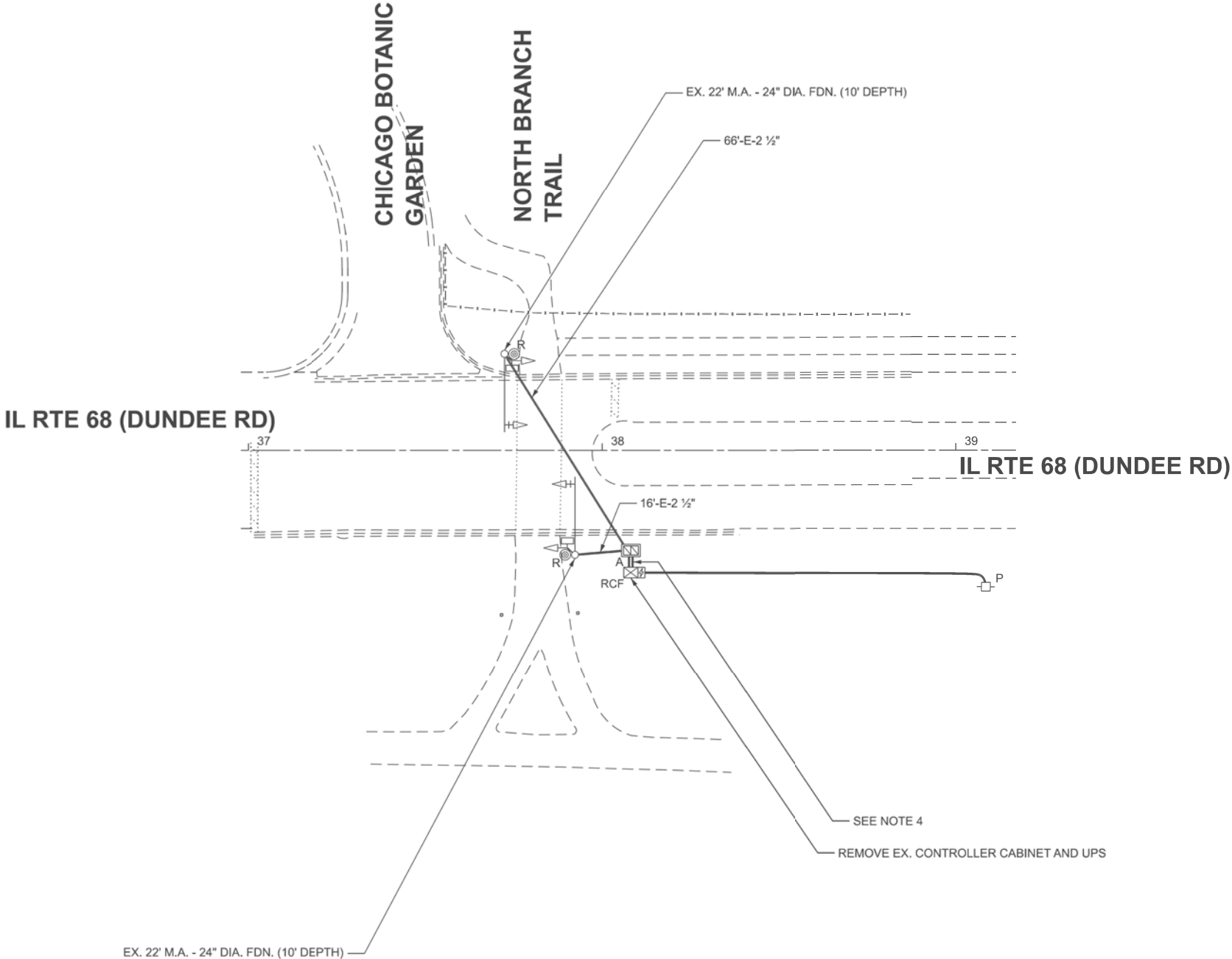
SCALE: SHEET 16 OF 24 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	30
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THIS WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY (COMPLETE)
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH ELECTRIC SERVICE



NOTES:

1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
2. THE EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
3. THE EXISTING CONDUIT NO LONGER REQUIRED SHALL BE ABANDONED.
4. THE EXISTING ELECTRIC CABLE SHALL BE REMOVED FROM THE EXISTING CONDUIT, FROM THE EXISTING CABINET TO THE EXISTING DOUBLE HANDHOLE AND REINSTALLED IN THE PROPOSED CONDUIT TO THE PROPOSED CABINET.

MODEL: TS13718 - TS Revit.dgn
FILE NAME: X:\Projects\2024\2481220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\125420-sht-1s-removal.dgn



USER NAME = zhoerbert	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/20/2026	DATE - 3/19/26	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLAN DUNDEE RD AT NORTH BRANCH TRAIL			
SCALE:	SHEET 25	OF 30 SHEETS	STA. TO STA.

F.A.U. RTE. 1273	SECTION 2019-122-RS&SW	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 31
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

1 REVISED ENTIRE SHEET 7/06/2026

TS 13718



CHICAGO BOTANIC
GARDEN

NORTH BRANCH
TRAIL

EX. 22" M.A. - 24" DIA. FDN. (10' DEPTH)

66'-E-2 1/2"

IL RTE 68 (DUNDEE RD)

IL RTE 68 (DUNDEE RD)

NOTES:

1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
2. THE EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
3. THE EXISTING CONDUIT NO LONGER REQUIRED SHALL BE ABANDONED.
4. THE EXISTING ELECTRIC CABLE SHALL BE REMOVED FROM THE THE EXISTING CONDUIT, FROM THE EXISTING CABINET TO THE EXISTING DOUBLE HANDHOLE AND REINSTALLED IN THE PROPOSED CONDUIT TO THE PROPOSED CABINET.
5. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
6. THIS LOCATION HAS BEEN DESIGNED TO BE PROWAG/MUTCD COMPLIANT. ANY DEVIATIONS FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE COMPLIANCE.

EX. 22" M.A. - 24" DIA. FDN. (10' DEPTH)

16'-E-2 1/2"

GM

P

EX. COMED DROP

83'-E-1 1/2"

5'-UC-2" W/THEADED CAP

30'-UC-2"

DRILL EXISTING HANDHOLE (4)

9'-UC-(4)4"

PR. TYPE IV STRETCHED CABINET (SEE NOTE 4)

5'-UC-4" W/THEADED CAP

1 REVISED ENTIRE SHEET 7/06/2026

TS 13718

MODEL: TS13718 - TS Plan
FILE NAME: X:\Projects\2024\2481220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\125420-shd-ts-plan.dgn



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
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PLOT DATE = 4/9/2026	DATE - 3/19/26	REVISED -

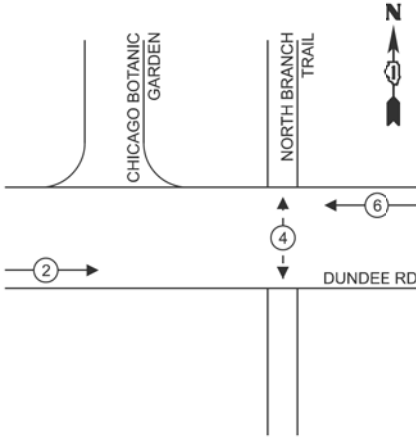
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
DUNDEE RD AT NORTH BRANCH TRAIL

SCALE: SHEET 18 OF 24 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	32
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER
PHASE DIAGRAM



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMISSIVE PHASE
- ← ⊙ → PEDESTRIAN PHASE

SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	35
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	41
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	1
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	46
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	171
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE D	FOOT	4
DRILL EXISTING HANDHOLE	EACH	4
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	100
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL
ELECTRIC SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING			249
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			854

ENERGY COSTS TO:
VILLAGE OF GLENCOE
675 VILLAGE COURT
GLENCOE, IL 60022

ENERGY SUPPLY: CONTACT: NEW BUSINESS

PHONE: 866-639-3532

COMPANY: COMED

ACCOUNT NUMBER: 59111-32222

METER NUMBER: ---

CHICAGO BOTANIC
GARDEN

NORTH BRANCH
TRAIL

DUNDEE RD

CABLE PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAM AND SCHEDULE OF QUANTITIES
DUNDEE RD AT NORTH BRANCH TRAIL

SCALE: SHEET 19 OF 2# SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	33
CONTRACT NO. 62J64				

ILLINOIS FED. AID PROJECT

REVISD ENTIRE SHEET 7/06/2026

TS 13718

MODEL: TS13718 Cable
FILE NAME: X:\Projects\2024\2481\220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\0125420-sh-t-s-cable.dgn



USER NAME	= zhoerbert
DESIGNED	- ZH
DRAWN	- RG
CHECKED	- DW
DATE	- 3/19/26

REVISD	-
REVISD	-
REVISD	-
REVISD	-

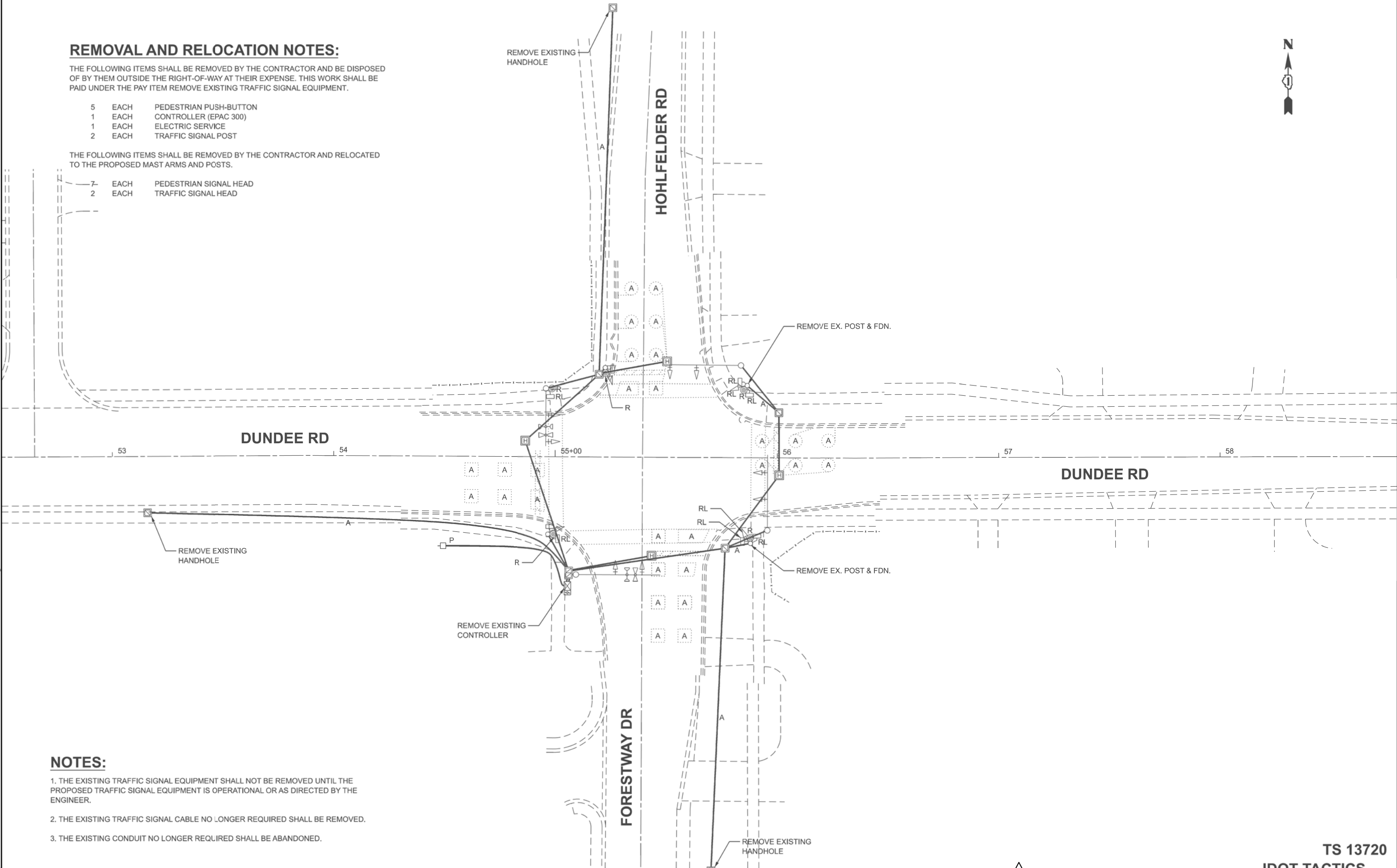
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THIS WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 5 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH CONTROLLER (EPAC 300)
- 1 EACH ELECTRIC SERVICE
- 2 EACH TRAFFIC SIGNAL POST

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED MAST ARMS AND POSTS.

- 7- EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH TRAFFIC SIGNAL HEAD



NOTES:

- 1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
- 2. THE EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
- 3. THE EXISTING CONDUIT NO LONGER REQUIRED SHALL BE ABANDONED.

MODEL: TS13720 - TS Removal
FILE NAME: X:\Projects\2024\2481220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\125420-sht-ts-removal.dgn



USER NAME	= zhoerbert	DESIGNED -	ZH	REVISED -	
		DRAWN -	RG	REVISED -	
		CHECKED -	DW	REVISED -	
PLOT DATE	= 3/20/2026	DATE -	3/19/26	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLAN
DUNDEE RD AT FORESTWAY DR/HOHLFELDER RD

SCALE: SHEET 20 OF 20 SHEETS STA. TO STA.

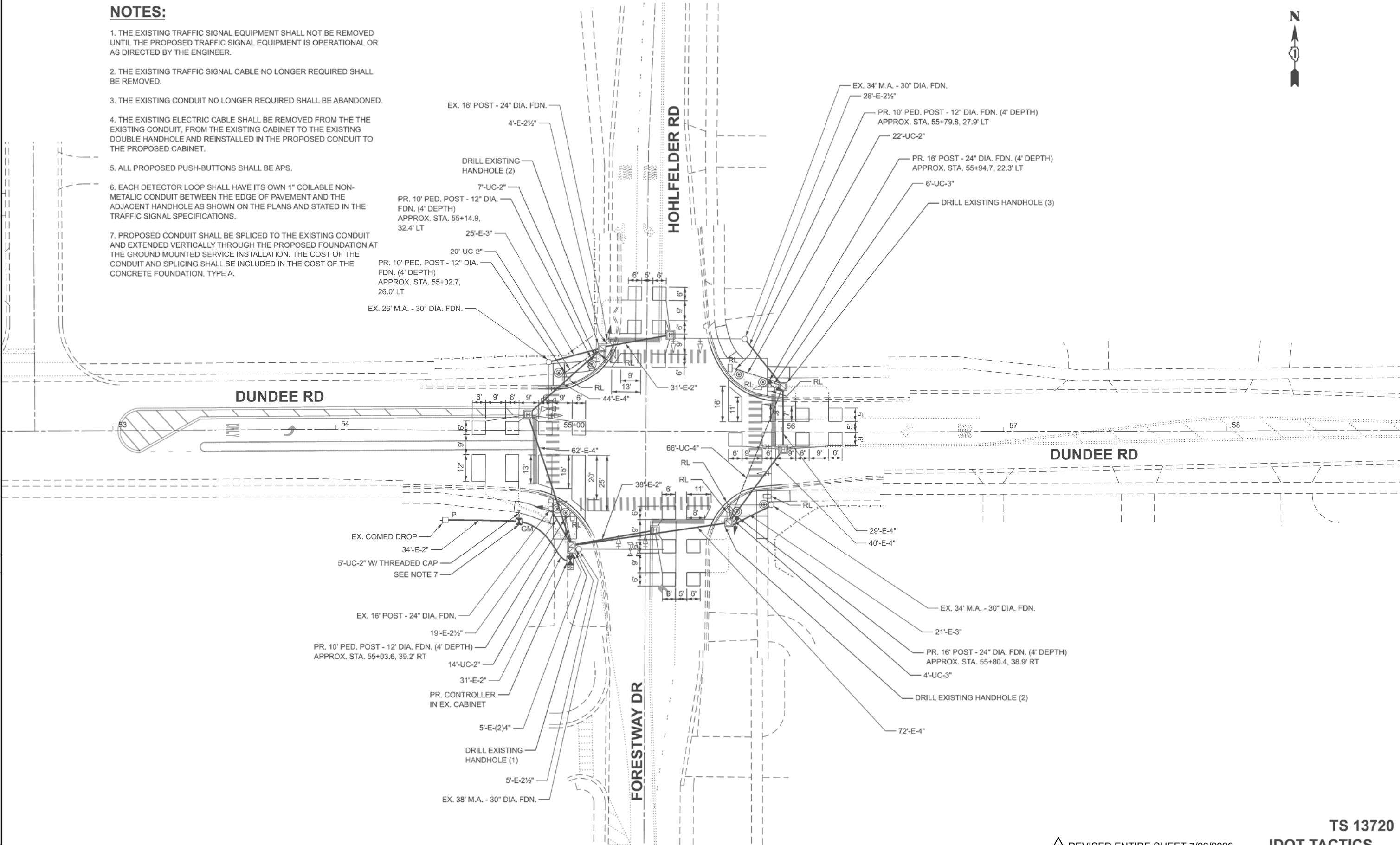
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	34
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

1 REVISED ENTIRE SHEET 7/06/2026

TS 13720
IDOT TACTICS

NOTES:

1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
2. THE EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
3. THE EXISTING CONDUIT NO LONGER REQUIRED SHALL BE ABANDONED.
4. THE EXISTING ELECTRIC CABLE SHALL BE REMOVED FROM THE THE EXISTING CONDUIT, FROM THE EXISTING CABINET TO THE EXISTING DOUBLE HANDHOLE AND REINSTALLED IN THE PROPOSED CONDUIT TO THE PROPOSED CABINET.
5. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
6. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
7. PROPOSED CONDUIT SHALL BE SPLICED TO THE EXISTING CONDUIT AND EXTENDED VERTICALLY THROUGH THE PROPOSED FOUNDATION AT THE GROUND MOUNTED SERVICE INSTALLATION. THE COST OF THE CONDUIT AND SPLICING SHALL BE INCLUDED IN THE COST OF THE CONCRETE FOUNDATION, TYPE A.



MODEL: TS13720 - TS Plan
FILE NAME: X:\Projects\2024\2481220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\125420-shit-to-plan.dgn



USER NAME	= zhoerbert
DESIGNED	- ZH
DRAWN	- RG
CHECKED	- DW
PLOT DATE	= 3/20/2026
DATE	- 3/19/26

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
DUNDEE RD AT FORESTWAY DR/HOHLFELDER RD

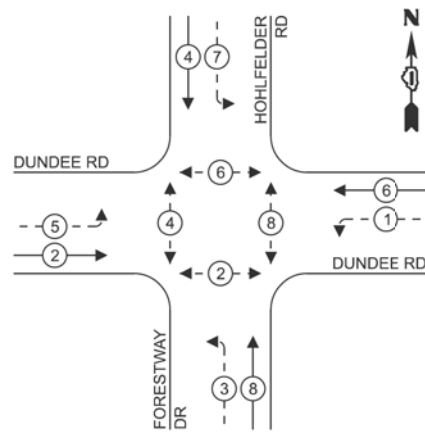
SCALE: SHEET 29 OF 30 SHEETS STA. TO STA.

1 REVISED ENTIRE SHEET 7/06/2026

TS 13720
IDOT TACTICS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	35
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

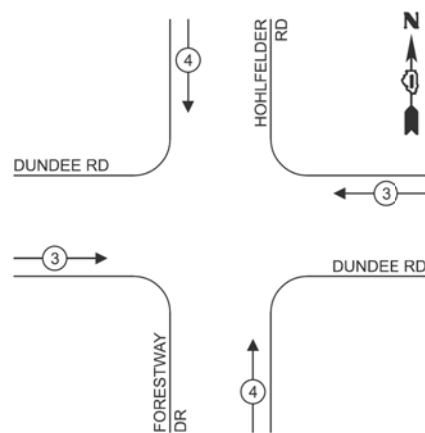
EXISTING CONTROLLER
PHASE DIAGRAM



LEGEND:

- ←(*) PROTECTED PHASE
- ←-(*)- PROTECTED/PERMISSIVE PHASE
- ←-(*)→ PEDESTRIAN PHASE

EXISTING EMERGENCY VEHICLE
PREEMPTION PHASE DIAGRAM



SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	68
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	66
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1028
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1056
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	545
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	321
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	47
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	264
TRAFFIC SIGNAL POST, 16 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	12
DRILL EXISTING HANDHOLE	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
DETECTOR LOOP, TYPE I	FOOT	1021
RELOCATE EXISTING SIGNAL HEAD	EACH	2
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	7
REMOVE EXISTING ELECTRIC CABLE FROM CONDUIT	FOOT	1365
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
CELLULAR MODEM	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL
ELECTRIC SERVICE REQUIREMENTS

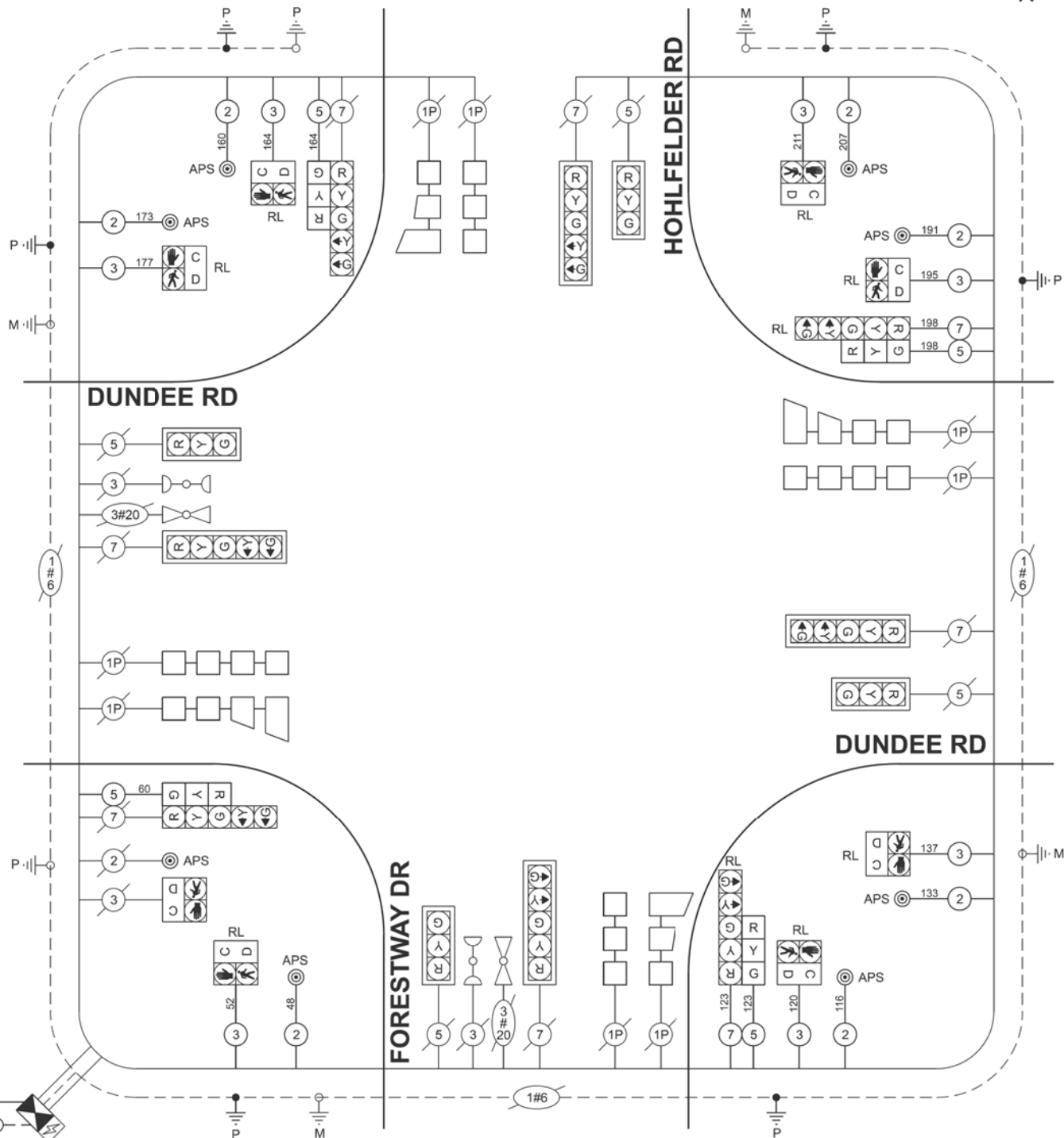
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION VIDEO	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	-	35	-
PTZ CAMERA	1	15	15
	-	75	-
TOTAL UPS SIZING		502	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1,107	

ENERGY COSTS TO:

THE VILLAGE OF GLENCOE
675 VILLAGE COURT
GLENCOE, IL 60022

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: 866-639-3532
COMPANY: COMED
ACCOUNT NUMBER: 59111-32222
METER NUMBER: ---

DUNDEE RD



CABLE PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAMS & SCHEDULE OF QUANTITIES
DUNDEE RD AT FORESTWAY DR/HOHLFELDER RD

SCALE: SHEET 22 OF 24 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	36
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

TS 13720
IDOT TACTICS

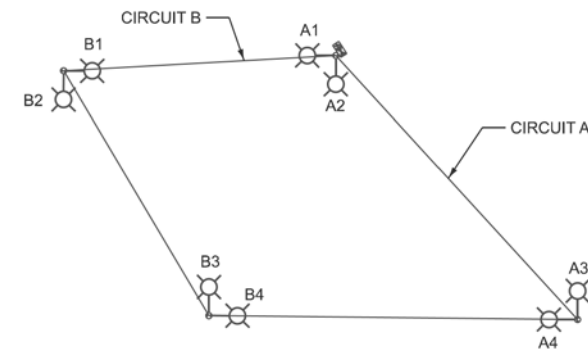


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DESIGNED	- ZH
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DATE	- 3/19/26
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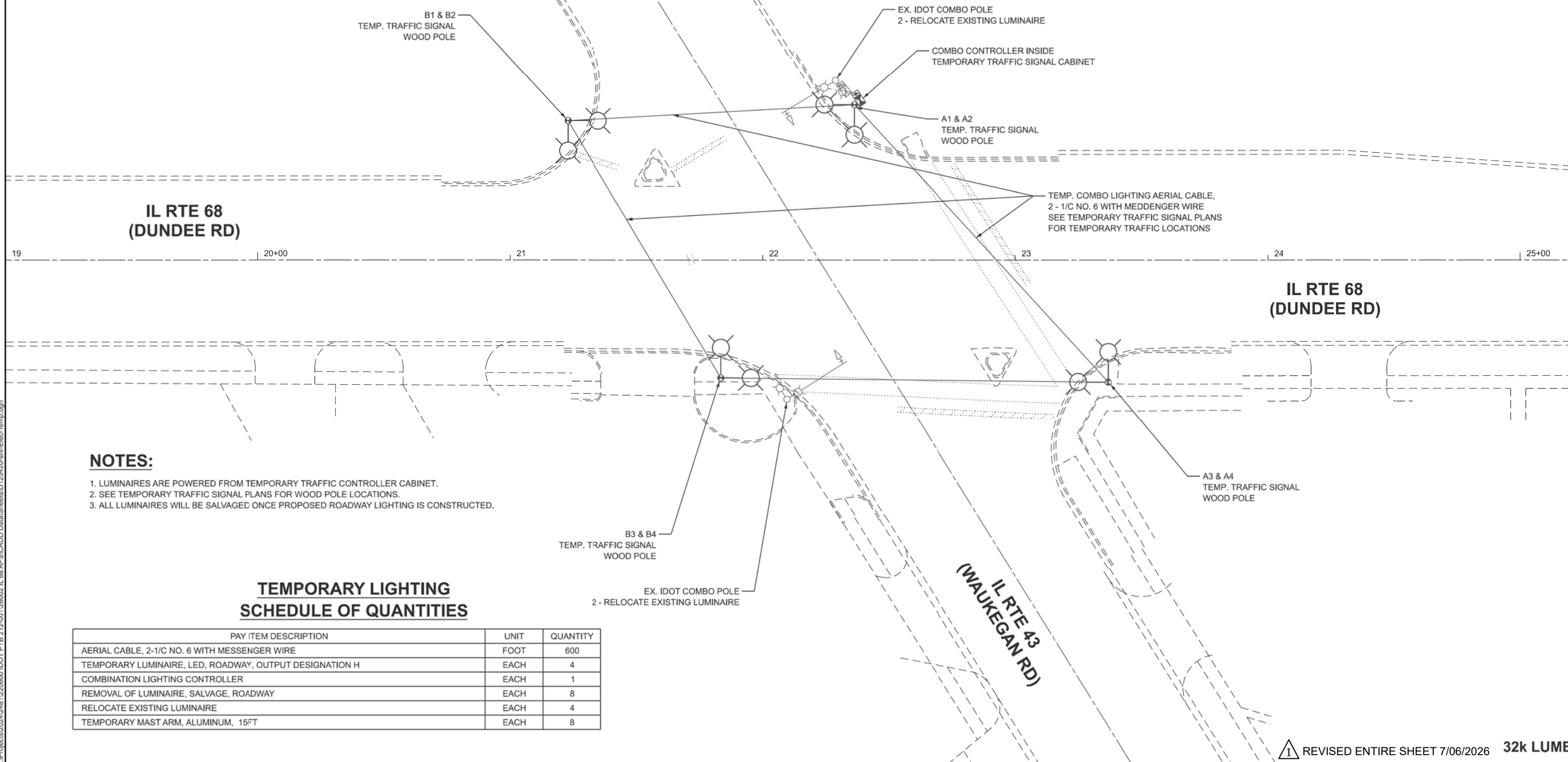
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TEMPORARY TRAFFIC SIGNAL WOOD POLE
45 FT LUMINAIRE MOUNTING HEIGHT
2 - TEMPORARY MAST ARM, ALUMINUM, 15 FT
AT 90 DEGREES APART
1 - TEMPORARY LUMINAIRE, LED, ROADWAY,
OUTPUT DESIGNATION H
1 - RELOCATED EXISTING LUMINAIRE



ONE LINE DIAGRAM



NOTES:

- LUMINAIRES ARE POWERED FROM TEMPORARY TRAFFIC CONTROLLER CABINET.
- SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR WOOD POLE LOCATIONS.
- ALL LUMINAIRES WILL BE SALVAGED ONCE PROPOSED ROADWAY LIGHTING IS CONSTRUCTED.

TEMPORARY LIGHTING
SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	QUANTITY
AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE	FOOT	600
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4
COMBINATION LIGHTING CONTROLLER	EACH	1
REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY	EACH	8
RELOCATE EXISTING LUMINAIRE	EACH	4
TEMPORARY MAST ARM, ALUMINUM, 15FT	EACH	8

MODEL: Temp Lights
FILE NAME: X:\Projects\2024\2481\220600 IDOT PTB 212-001\26002 IL 68 APS\CADD Data\Sheets\12125420-shl-Elec-Temp.dgn



USER NAME = zhoerbert	DESIGNED - ZH	REVISED -
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	CHECKED - DW	REVISED -
PLOT DATE = 3/20/2026	DATE - 3/19/26	REVISED -

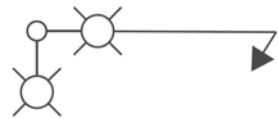
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLAN
IL RTE 68 (DUNDEE RD) AT IL RTE 43 (WAUKEGAN RD)

SCALE: SHEET 23 OF 24 SHEETS STA. TO STA.

1 REVISED ENTIRE SHEET 7/06/2026 32k LUMEN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	37
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				



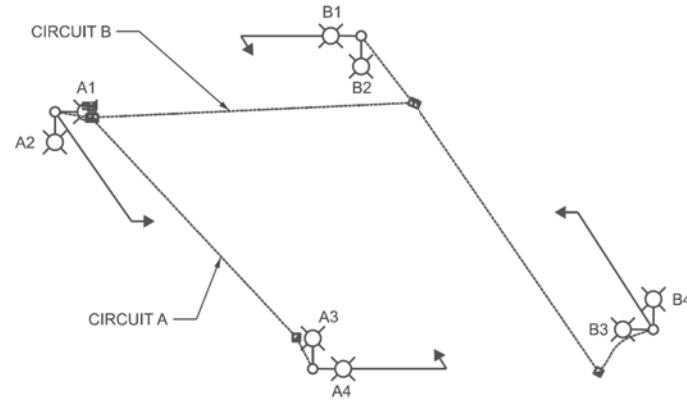
IDOT COMBINATION LIGHT POLE
45 FT LUMINAIRE MOUNTING HEIGHT
2 - 15 FT LUMINAIRE ARMS AT 90 DEGREES APART
TWO LUMINAIRES, LED, OUTPUT H, 120 V,
WITH TWO 6 AMP FUSES AND NEUTRAL SLUGS

IDOT COMBO CONTROLLER
INSIDE TRAFFIC CABINET

A1 & A2
IDOT COMBO POLE



B1 & B2
IDOT COMBO POLE



ONE LINE DIAGRAM

PROPOSED COMBO LIGHTING ELECTRICAL CABLE
IN CONDUIT, 2#10 ROUTED THRU TRAFFIC 4" CONDUIT
SEE TRAFFIC SIGNAL PLANS FOR CONDUIT SIZE
AND CONDUIT ROUTE

IL RTE 68
(DUNDEE RD)

19 20+00 21 22 23 24 25+C

IL RTE 68
(DUNDEE RD)

B3 & B4
IDOT COMBO POLE

A3 & A4
IDOT COMBO POLE

IL RTE 43
(WAUKEGAN RD)

NOTES:

1. THE IDOT COMBO LIGHTING CIRCUITING SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. LUMINAIRES ARE POWERED FROM IDOT TRAFFIC CONTROLLER CABINET, SEE DETAIL BE-240.
3. THE COMBO LIGHTING CABLE AND SIGNAL CABLES WILL BE IN SHARED CONDUIT.
4. SEE TRAFFIC SIGNAL PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBO POLES. CIRCUITING DECALS SHOWN IS FOR GUIDANCE ONLY.

COMBINATION LIGHTING
SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	700
LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION H	EACH	8
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	8

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED COMBINATION LIGHTING PLAN
IL RTE 68 (DUNDEE RD) AT IL RTE 43 (WAUKEGAN RD)

SCALE: SHEET 24 OF 24 SHEETS STA. TO STA.

1 REVISED ENTIRE SHEET 7/06/2026 32k LUMEN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	38
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

USER NAME = rgeorgescu	DESIGNED - ZH	REVISED -
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	CHECKED - DW	REVISED -
PLOT DATE = 3/20/2026	DATE - 3/19/26	REVISED -