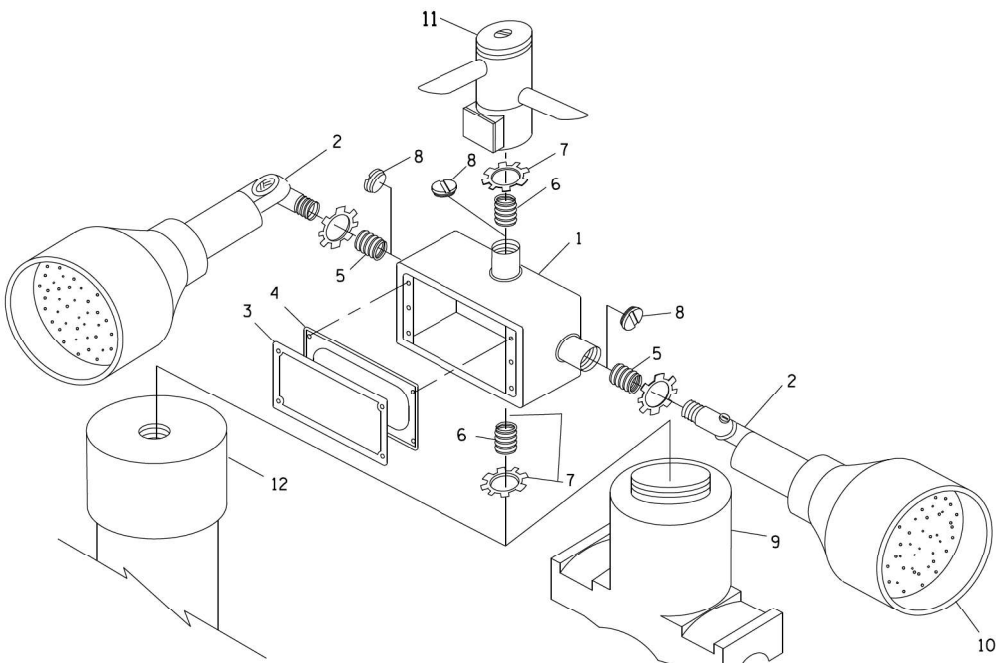


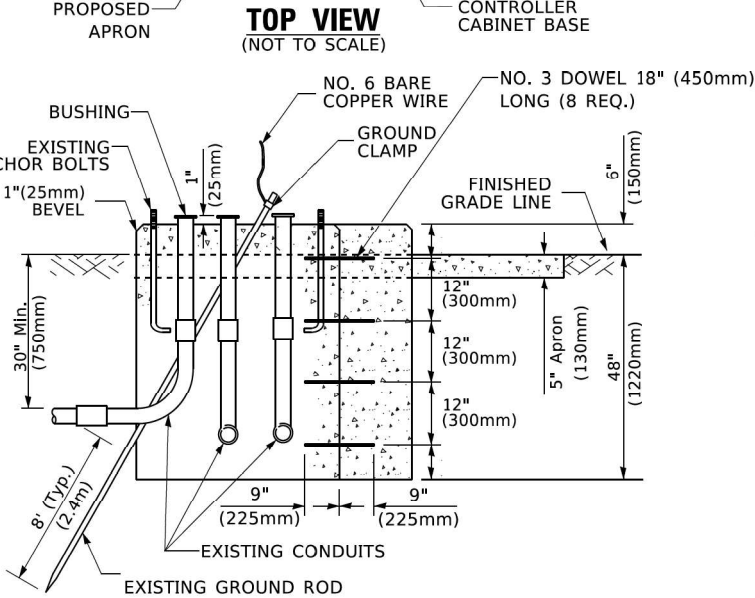
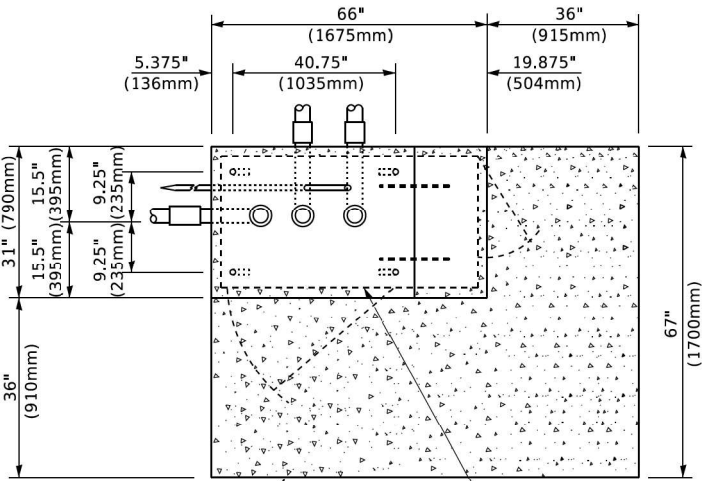
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL

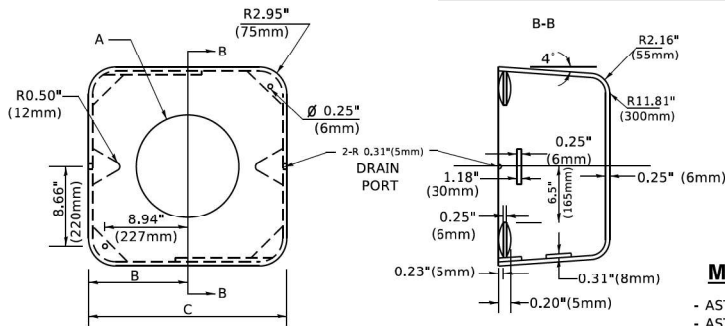


MODIFY EXISTING TYPE "D" FOUNDATION
TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 " (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

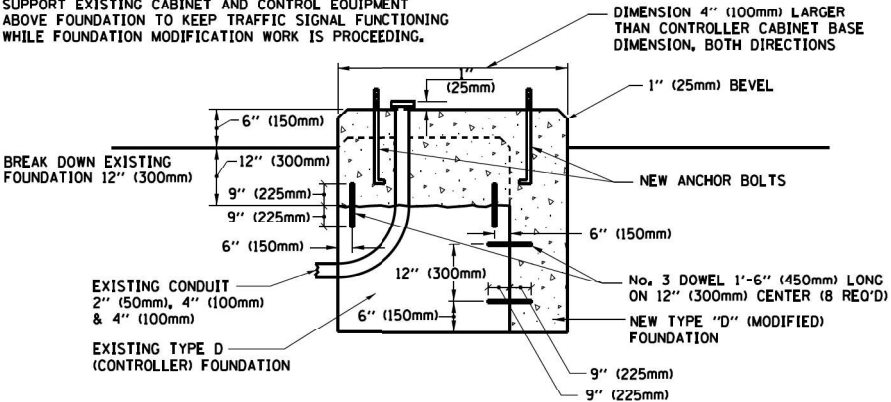
SHROUD

NOTES:

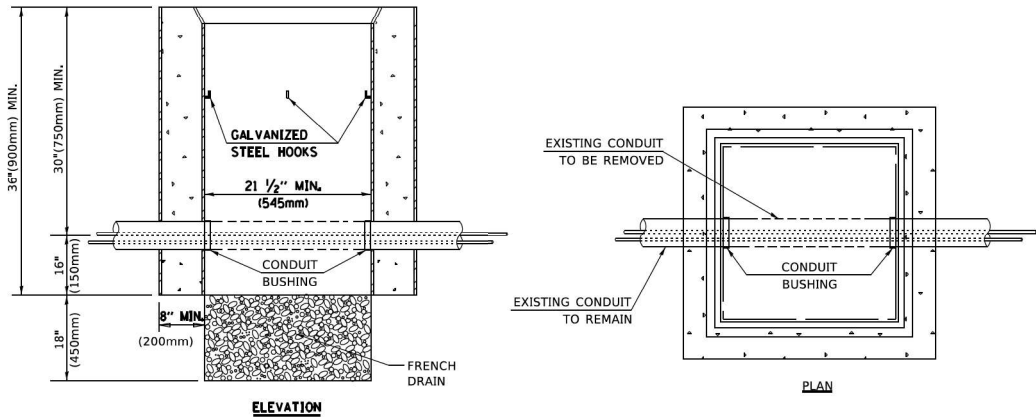
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

USER NAME = footemj	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

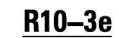
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1211	501
TS-05		CONTRACT NO. 62W38		
ILLINOIS		FED. AID PROJECT		



CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER



1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

SUMMARY OF TRAFFIC SIGNAL QUANTITES

ITEM	UNIT	TOTAL QUANTITY	US 14 & IL SB 53 WEST RAMPS	US 14 & IL NB 53 EAST RAMPS	IL 53 NB EXIT RAMP & KIRCHOFF	KIRCHOFF & FRONTAGE	INDUSTRIAL AVE & WINNETKA	INDUSTRIAL AVE & ROHLWING	US 14 & IL 53 INTERCONNECT
SIGN PANEL - TYPE 1	SQ FT	7.5			7.5				
SIGN PANEL - TYPE 2	SQ FT	35.0	17.5	17.5					
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,237	568	121	493		55		
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	500	106	184	172		38		
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	432	186	121	109		16		
HANDHOLE	EACH	6	2	2	2				
HEAVY-DUTY HANDHOLE	EACH	2	1	1					
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6	1	1	1	1	1	1	
TRANSCEIVER - FIBER OPTIC	EACH	1		1					
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,839	961	836			42		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,307	1,388	878			41		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	8,479	2,471	1,939	3,879		190		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,061	353	514	194				
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,040	1,856	608	1,576				
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	386		165	221				
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,597	554	592	430		21		
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,562							1,562
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	8	3	3	2				
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	2		1	1				
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1	1						
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	2	1	1					
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1			1				
CONCRETE FOUNDATION, TYPE A	FOOT	36	12	12	12				
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	84	24	24	36				
DRILL EXISTING HANDHOLE	EACH	37	13	9	14		1		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	26	9	8	9				
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	14	5	5	4				
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3	1	1	1				
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	1	1					
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1		1					
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12	6	6					
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	27	9	9	9				
INDUCTIVE LOOP DETECTOR	EACH	11	2	7	2				
DETECTOR LOOP, TYPE I	FOOT	1,145	271	326	360		188		
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1					1		
*RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	6	2	2	2				
*RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1		1					
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3,287		253	144				2,890
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	25					25		
REMOVE EXISTING HANDHOLE	EACH	7	1	3	2		1		
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4	1	1	1		1		
REBUILD EXISTING HANDHOLE	EACH	3	2	1					
REMOVE EXISTING CONCRETE FOUNDATION	EACH	16	6	5	5				
ROD AND CLEAN EXISTING CONDUIT	FOOT	736							736
*EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,347	458	209	585		95		
OUTDOOR RATED NETWORK CABLE	FOOT	371	146	225					
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2		1	1				
REMOTE CONTROLLED VIDEO SYSTEM	EACH	2	1	1					
LAYER II (DATALINK) SWITCH	EACH	1	1						
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	8	3	4			1		
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3	2				1		
INTERCEPT EXISTING CONDUIT	EACH	2					2		
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1		1					
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1		1					
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1,562							1,562
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1		1					
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	3	2	1					
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	14	6	6			2		
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	40	20	16			4		
LED SIGNAL FACE, LENS COVER	EACH	46	16	16	14				
CAMERA MOUNTING ASSEMBLY	EACH	2	1	1					
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2	1	1					
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	6	1	1	1	1	1	1	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT AND 30 FT	EACH	1			1				

*100% COST TO LOCAL AGENCY

MODEL: Default
FILE NAME: 3-10-24-016300-6399(E346)113Drawing(CAD)Micro-SSA(CAD_Sheets)C3-1162W38.dht-15500-541.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = alexam	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 8/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	503
CONTRACT NO. 62W38				
		ILLINOIS	FED. AID PROJECT	

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.

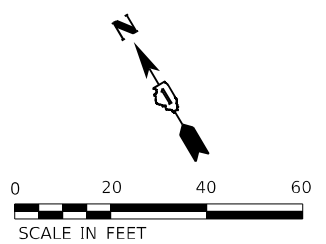
- | | | |
|----|------|--------------------------------|
| 1 | EACH | 14' TRAFFIC SIGNAL POST |
| 14 | EACH | SIGNAL HEAD, 1 FACE, 3 SECTION |
| 3 | EACH | SIGNAL HEAD, 1 FACE, 5 SECTION |
| 9 | EACH | TRAFFIC SIGNAL BACKPLATE |

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS, POSTS, AND TRAFFIC SIGNAL CONTROLLER CABINET.

- | | | |
|---|------|---------------------|
| 2 | EACH | LIGHT DETECTOR |
| 2 | EACH | CONFIRMATION BEACON |

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.

- | | | |
|---|------|----------------------------|
| 2 | EACH | MAST ARM ASSEMBLY AND POLE |
| 3 | EACH | 16' TRAFFIC SIGNAL POST |



1. THE CONTRACTOR SHALL DISCONNECT THE EXISTING WESTBOUND FAR BACK LOOP DETECTOR INDICATED ON US RTE 14 (NORTHWEST HIGHWAY) IN THE EXISTING HANDHOLE. PRIOR TO THE START OF STAGE 2 AND RECONNECT THE LOOP WHEN MOT IS REMOVED FROM US RTE 14 (NORTHWEST HIGHWAY). THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.
2. THE CONTRACTOR SHALL DISCONNECT THE EXISTING EASTBOUND FAR BACK LOOP DETECTOR INDICATED ON US RTE 14 (NORTHWEST HIGHWAY) IN THE EXISTING HANDHOLE. PRIOR TO THE START OF STAGE 2 AND RECONNECT THE LOOP WHEN MOT IS REMOVED FROM US RTE 14 (NORTHWEST HIGHWAY). THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.

3. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
4. ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.

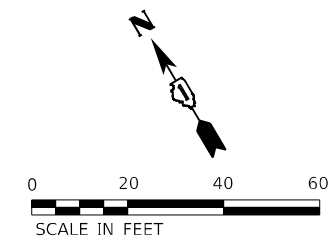
TRAFFIC SIGNAL REMOVAL AND RELOCATION PLAN
US RTE 14 (NORTHWEST HIGHWAY) AT IL RTE 53 WEST RAMPS

SCALE: 1" = 20'	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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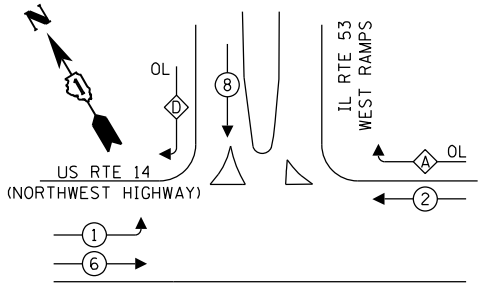
TS 1185
ECON 13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	504
		CONTRACT NO. 62W38		
ILLINOIS		FED. AID PROJECT		

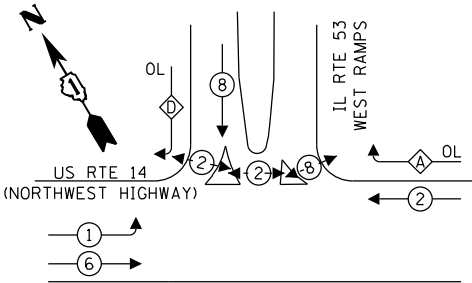
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. SEE ITS DRAWINGS.
3. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
4. ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.
5. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
6. REMOTE CONTROLLED VIDEO SYSTEM TO BE PLACED ON CAMERA MOUNTING ASSEMBLY.
7. THIS INTERSECTION SHALL REMAIN ON IDOT'S CLOSED LOOP SYSTEM ECON 13.
8. IDOT SHALL PROVIDE THE LICENSE(S) FOR CENTRACS AT THIS INTERSECTION REQUIRED TO BRING THE REMOTE CONTROLLED VIDEO SYSTEM ONTO CENTRACS.



EXISTING CONTROLLER SEQUENCE



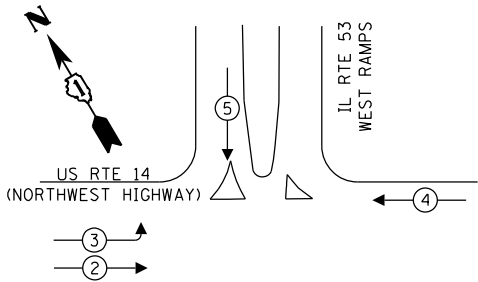
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- Protected Phase
- Protected/Permitted Phase
- Pedestrian Phase
- Overlap

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

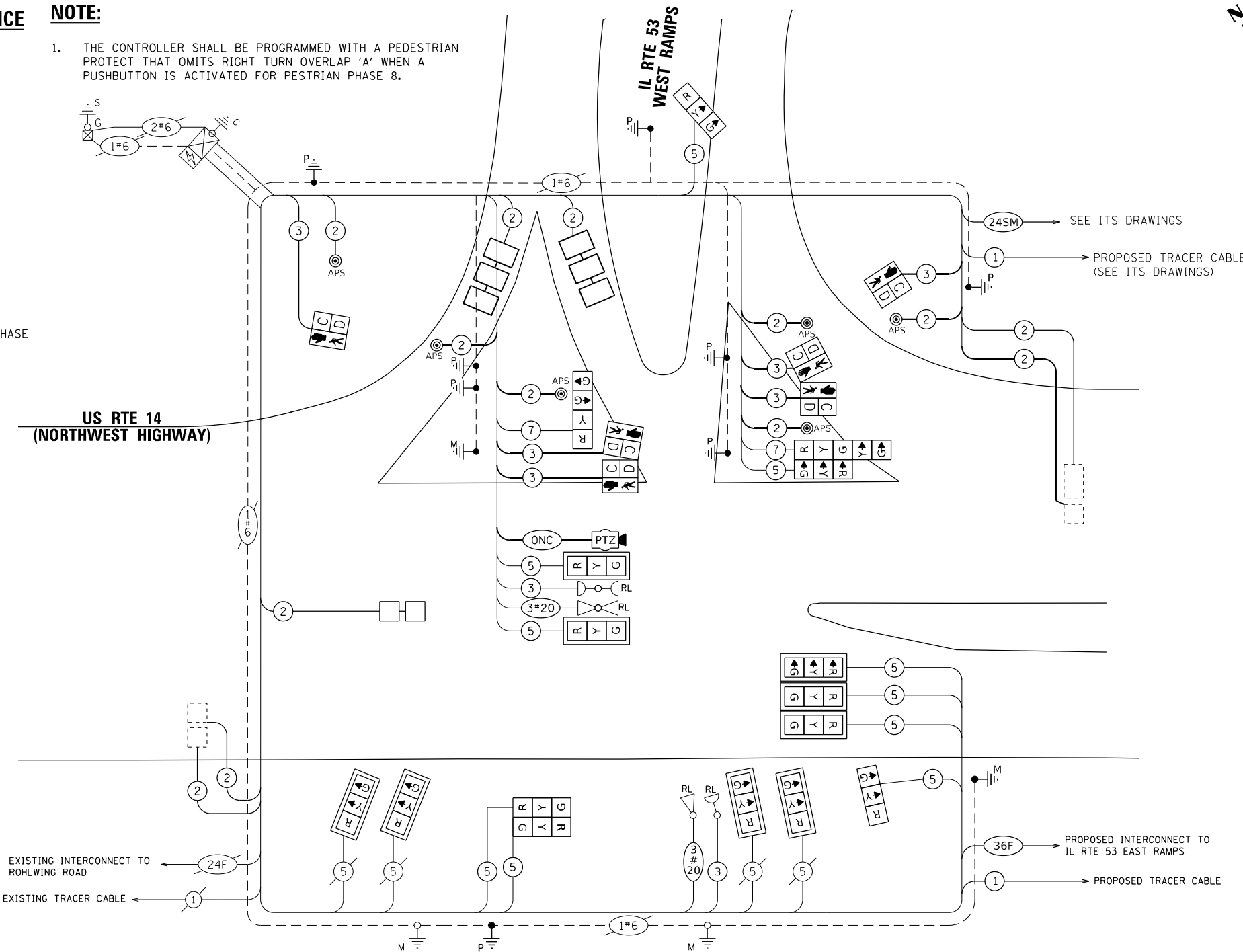


RIGHT TURN OVERLAP PHASE DESIGNATION:

Overlap Letter	Permissive Phase	Protected Phase
A	2	8
D	8	1

NOTE:

- The controller shall be programmed with a pedestrian protect that omits right turn overlap 'A' when a pushbutton is activated for pedestrian phase 8.



CABLE PLAN (NOT TO SCALE)

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	14	11	154
4 - SECTION	1	14	14
5 - SECTION	1	13	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	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM		15	
PTZ CAMERA	1	75	75
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	
TOTAL SERVICE WIRE SIZING			1161

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: JAMES CAMPBELL
PHONE: (630) 940-6805
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 7184835000



USER NAME = alexam
PLOT SCALE = 20,0000' = 1 in.
PLOT DATE = 8/23/2024

DESIGNED - RRS	REVISED -
DRAWN - ACM	REVISED -
CHECKED - KRH	REVISED -
DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY
VEHICLE PREEMPTION SEQUENCE
US RTE 14 (NORTHWEST HWY) AT IL RTE 53 WEST RAMPS

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

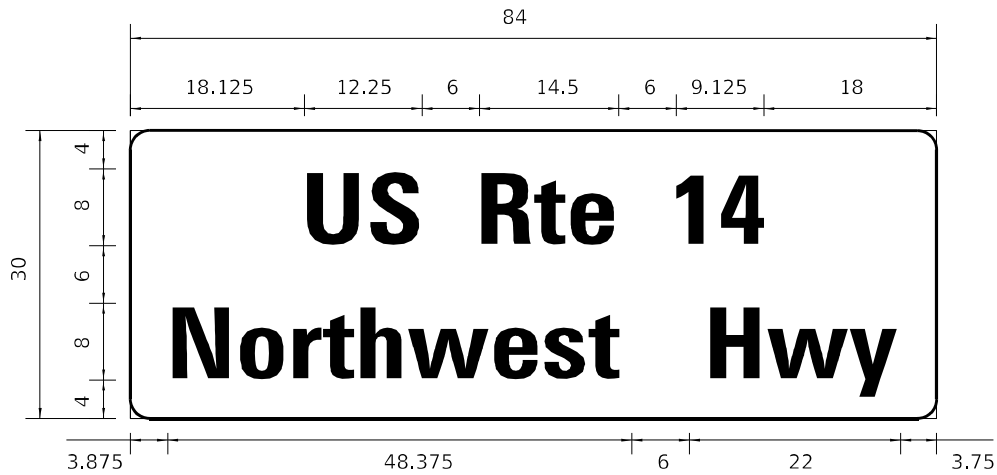
THIS INTERSECTION SHALL REMAIN ON IDOTS
CLOSED LOOP SYSTEM ECON 13.

TS 1185
ECON 13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	506
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	17.5	2	ZZ	1

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

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 2	SQ FT	17.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	568
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	106
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	186
HANDHOLE	EACH	2
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	961
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,388
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,471
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	353
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,856
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	554
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24
DRILL EXISTING HANDHOLE	EACH	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	271
*RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
*EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	458
OUTDOOR RATED NETWORK CABLE	FOOT	146
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
LED SIGNAL FACE, LENS COVER	EACH	16
CAMERA MOUNTING ASSEMBLY	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

*100% COST TO THE VILLAGE OF PALATINE

MODEL: Default
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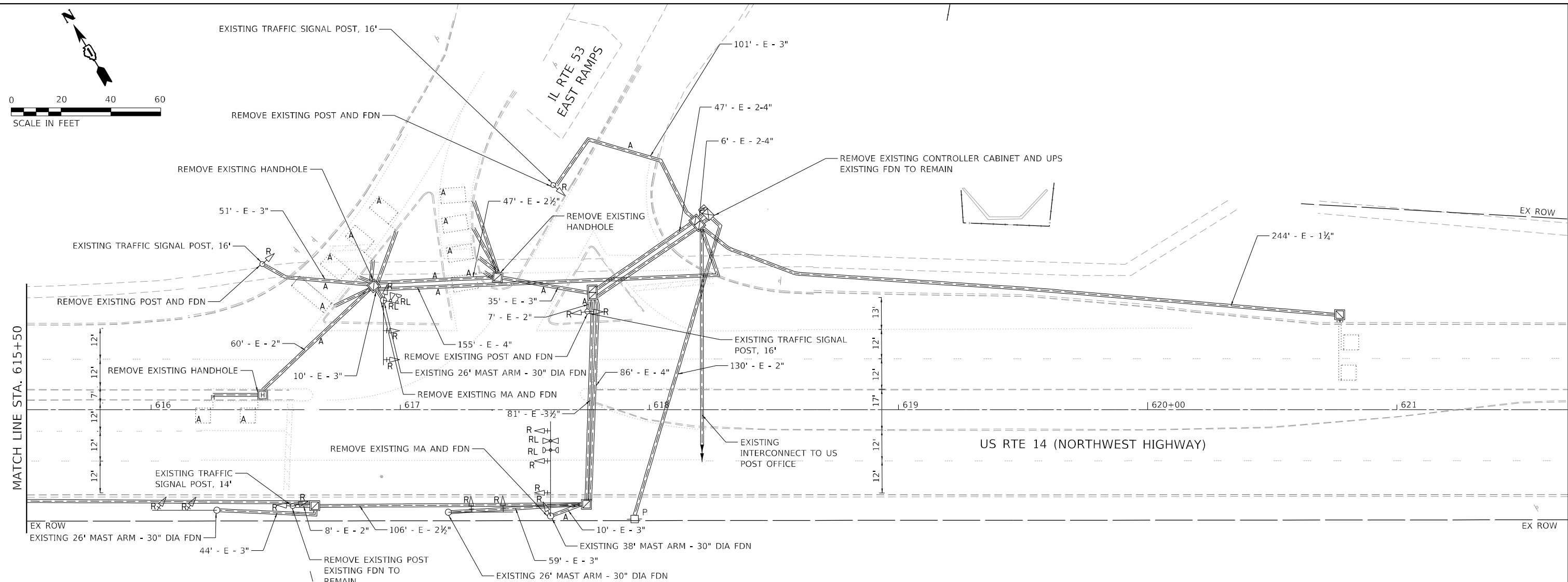
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = alexam	DESIGNED - RRS	REVISED -
	DRAWN - ACM	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED - KRH	REVISED -
PLOT DATE = 8/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES US RTE 14 (NORTHWEST HWY) AT IL RTE 53 WEST RAMPS			
SCALE: N.T.S.	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	507
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				



REMOVAL AND RELOCATION NOTES:

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.

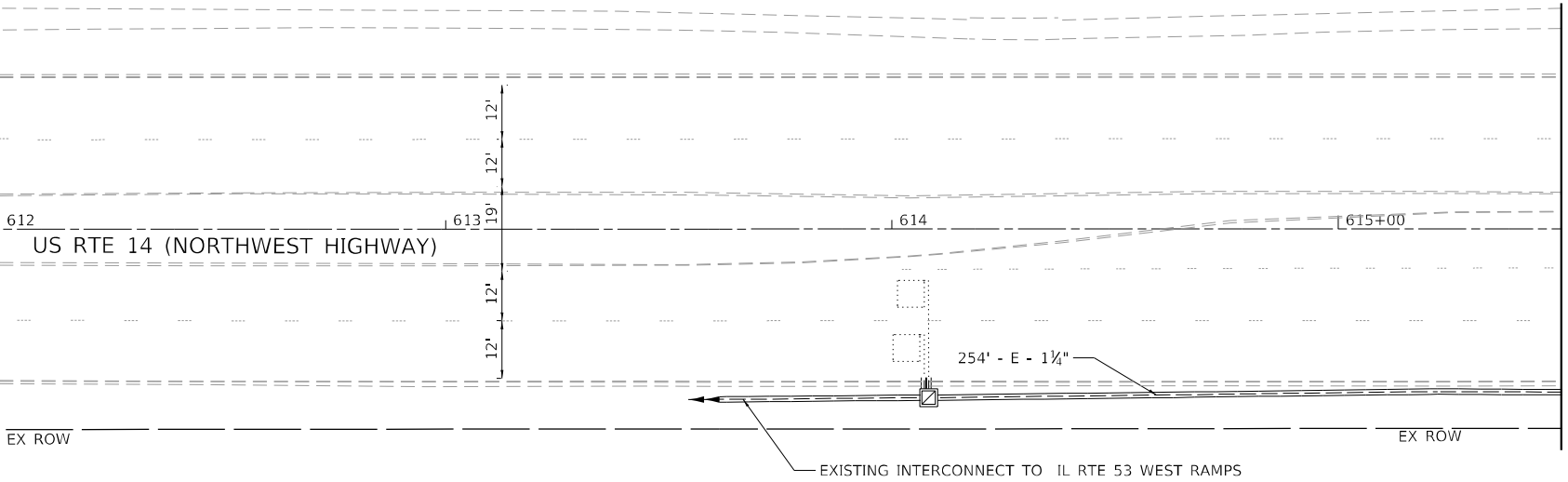
- | | | |
|----|------|--|
| 1 | EACH | TRAFFIC SIGNAL CONTROLLER AND CABINET (COMPLETE) |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY |
| 1 | EACH | TRAFFIC SIGNAL POST |
| 14 | EACH | SIGNAL HEAD, 1 FACE, 3 SECTION |
| 3 | EACH | SIGNAL HEAD, 1 FACE, 5 SECTION |
| 9 | EACH | TRAFFIC SIGNAL BACKPLATE |

THE FOLLOWING EXISTING TAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS, POSTS, AND TRAFFIC SIGNAL CONTROLLER CABINET.

- | | | |
|---|------|---|
| 1 | EACH | EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT |
| 2 | EACH | LIGHT DETECTOR |
| 2 | EACH | CONFIRMATION BEACON |

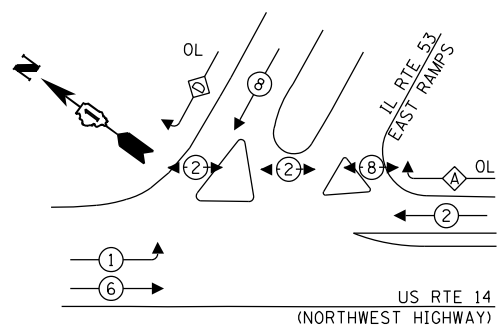
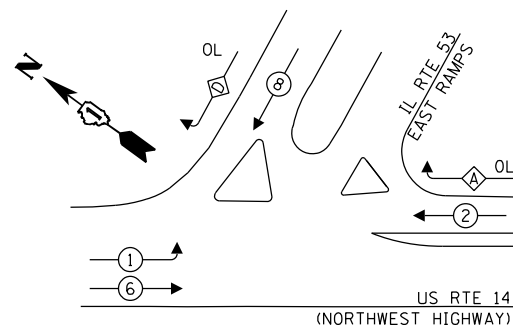
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

- | | | |
|---|------|----------------------------|
| 2 | EACH | MAST ARM ASSEMBLY AND POLE |
| 3 | EACH | 16' TRAFFIC SIGNAL POST |

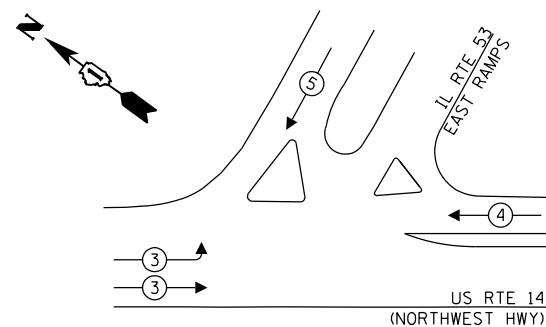
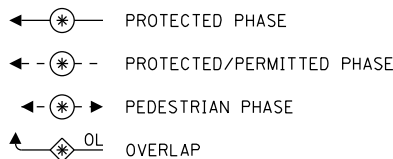


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PROJECT: 1170SOUTH HOUBOLT ROAD
SHEET: 1170SOUTH HOUBOLT ROAD.dgn
DATE: 8/23/2024

PROPOSED CONTROLLER SEQUENCE



LEGEND:



OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	8
D	=	8	+	1

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	13	11	143
4 - SECTION	1	14	14
5 - SECTION	2	13	26
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	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
PTZ CAMERA	1	75	75
TOTAL UPS SIZING			523
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			1128

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY:

CONTACT: JAMES CAMPBELL

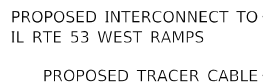
PHONE: (630) 940-6805

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: 7184835000

NOTE:

1. THE CONTROLLER SHALL BE PROGRAMMED WITH A PEDESTRIAN PROTECT THAT OMITS RIGHT TURN OVERLAP 'A' WHEN A PUSHBUTTON IS ACTIVATED FOR PEDESTRIAN PHASE 8.



CABLE PLAN

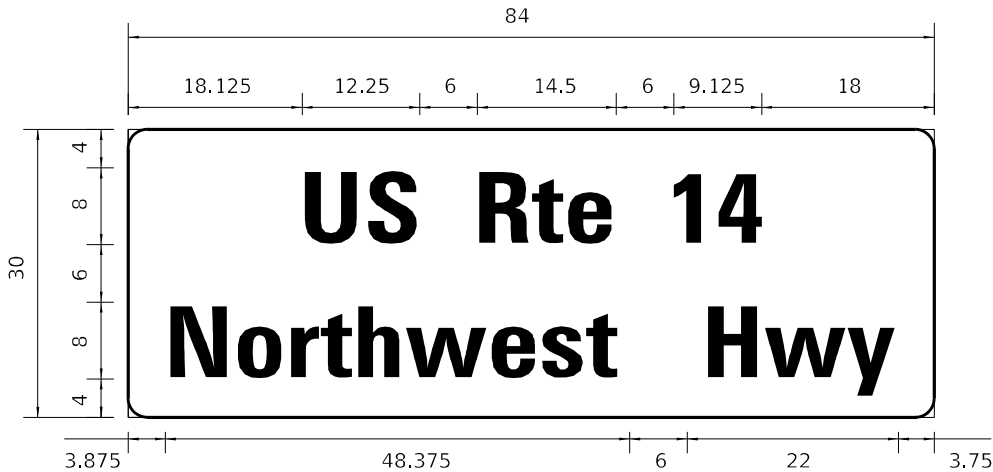
(NOT TO SCALE)

THIS INTERSECTION SHALL REMAIN ON IDOT'S CLOSED LOOP
SYSTEM ECON 13.

TS 1180
ECON 13

SIGN PANEL – TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	17.5	2	ZZ	1

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

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 2	SQ FT	17.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	121
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	184
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	121
HANDHOLE	EACH	2
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	836
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	878
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,939
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	514
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	608
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	165
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	592
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24
DRILL EXISTING HANDHOLE	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	326
*RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
*RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	10
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
*EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	209
OUTDOOR RATED NETWORK CABLE	FOOT	225
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
LED SIGNAL FACE, LENS COVER	EACH	16
CAMERA MOUNTING ASSEMBLY	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

*100% COST TO THE VILLAGE OF PALATINE

MODEL Path: J:\300-6399\346113\Drawings\CDM\Micro-SSA\CAD_Sheets\C3-7162W38.dht-505A-500-NorthwestHwy.dwg IL 53-54.dgn
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = alexam	DESIGNED - RRS	REVISED -
	DRAWN - ACM	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED - KRH	REVISED -
PLOT DATE = 8/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
US RTE 14 (NORTHWEST HWY) AT IL RTE 53 EAST RAMPS

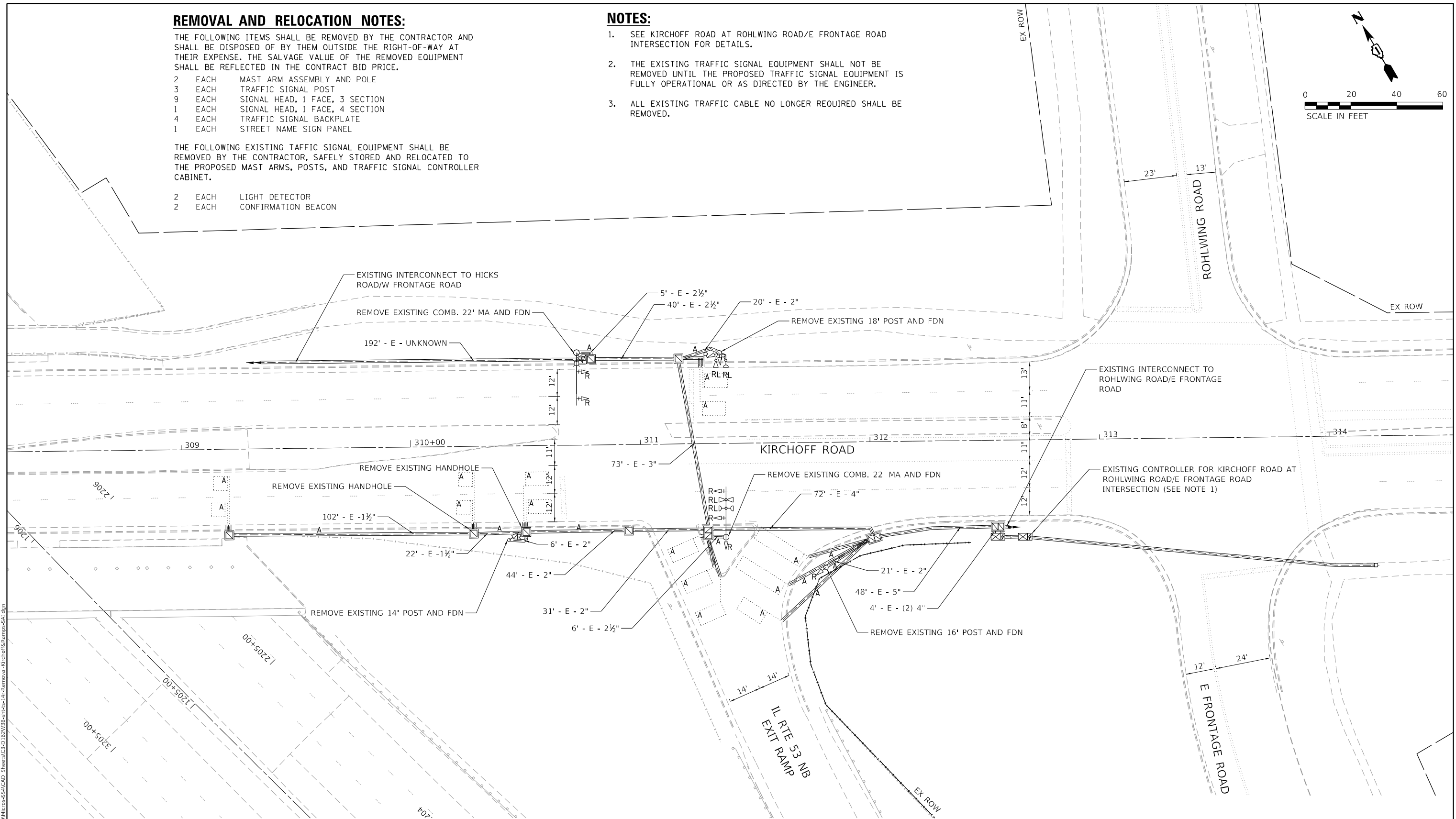
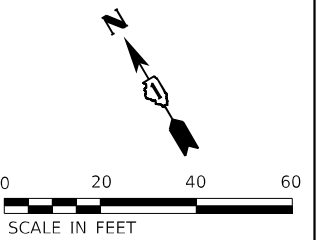
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	511
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

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.

- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS, POSTS, AND TRAFFIC SIGNAL CONTROLLER CABINET.

1. SEE KIRCHOFF ROAD AT ROHLWING ROAD/E FRONTAGE ROAD INTERSECTION FOR DETAILS.
2. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
3. ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL AND RELOCATION PLAN

KIRCHOFF ROAD AT IL RTE 53 NB EXIT RAMP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	512
		CONTRACT NO. 62W38		
ILLINOIS		FED. AID PROJECT		

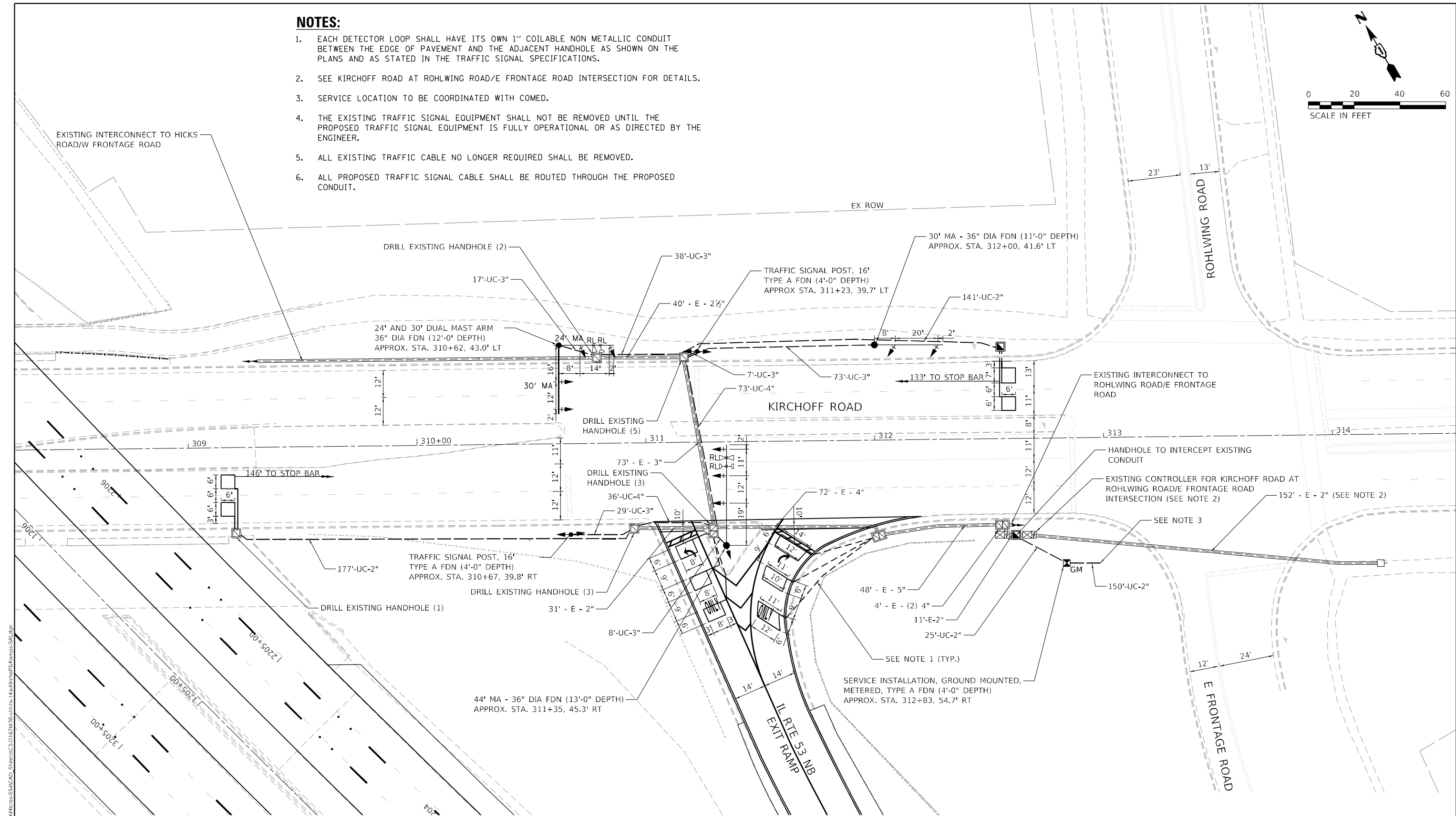
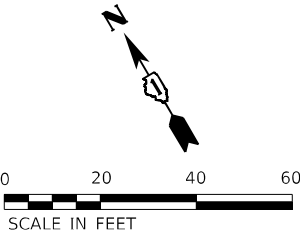
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ILLINOIS	FED. AID PROJECT
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NOTES:

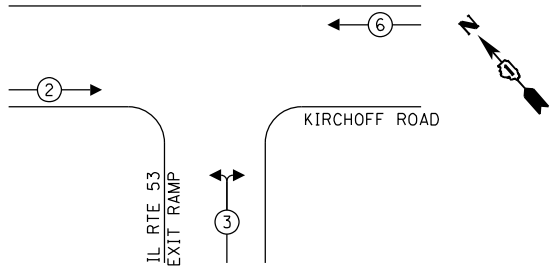
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. SEE KIRCHOFF ROAD AT ROHLWING ROAD/E FRONTAGE ROAD INTERSECTION FOR DETAILS.
3. SERVICE LOCATION TO BE COORDINATED WITH COMED.
4. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
5. ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.
6. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.



TS 2680
ECON 6

<div>MODEL: Default FILE NAME: S:\000\63000-63999\63461\13\Drawings\CADD\Micro-SSA\CAO_Sheets\3-C\062W38.dgn 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 STRAND ASSOCIATES</div>	USER NAME = alexam		DESIGNED - RRS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLANS KIRCHOFF ROAD AT IL RTE 53 NB EXIT RAMP		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - ACM		CHECKED - KRH	REVISED -		SCALE: 1" = 20'		342	(531) BR 23	COOK	1211	513
	PLOT SCALE = 40,0000 * / in.		DATE - 8/23/2024	REVISED -		SHEET 1 OF 1 SHEETS		CONTRACT NO. 62W38				
	PLOT DATE = 8/23/2024					STA. TO STA.		ILLINOIS FED. AID PROJECT				

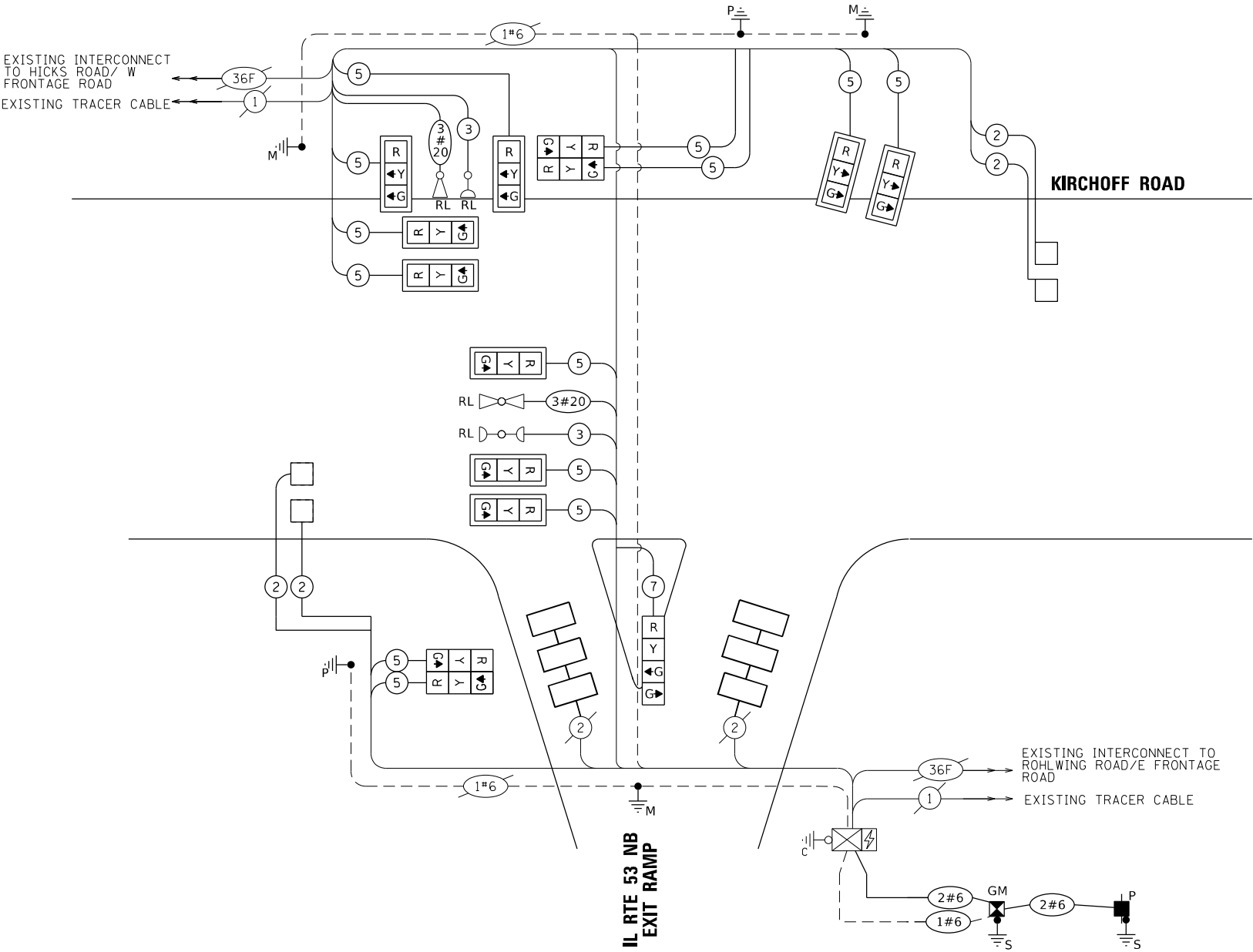
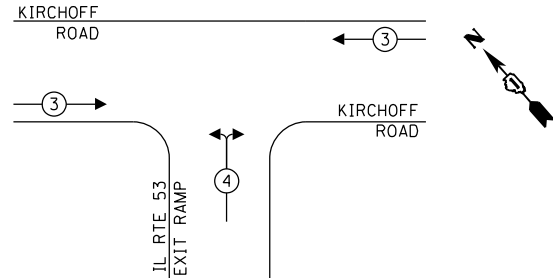
EXISTING & PROPOSED PHASE DESIGNATION DIAGRAM



LEGEND:

- Protected Phase
- Protected/Permitted Phase
- Pedestrian Phase
- Overlap

EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN (NOT TO SCALE)

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3 - SECTION	12	11
	4 - SECTION	1	14
	5 - SECTION		13
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	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
TOTAL UPS SIZING			321
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			926

ENERGY COSTS TO:	
CITY OF ROLLING MEADOWS	
ENERGY SUPPLY:	
CONTACT: JAMES CAMPBELL	
PHONE: (630) 940-6805	
COMPANY: COMMONWEALTH EDISON	
ACCOUNT NUMBER: 84692841222	

STRAND ASSOCIATES	1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = alexam
		DESIGNED - RRS
		DRAWN - ACM
		PLOT SCALE = 20,0000' = 1 in.
		CHECKED - KRH
		DATE - 8/23/2024

DESIGNED - RRS	REVISED -
DRAWN - ACM	REVISED -
CHECKED - KRH	REVISED -
DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE
PREEMPTION SEQUENCE KIRCHOFF ROAD AT IL RTE 53 NB EXIT RAMP

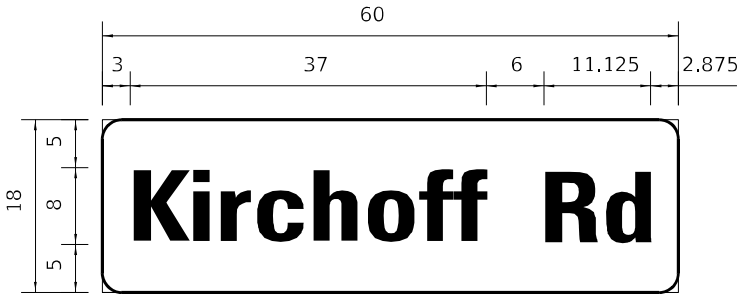
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	514
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

TS 2680
ECON 6

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	1

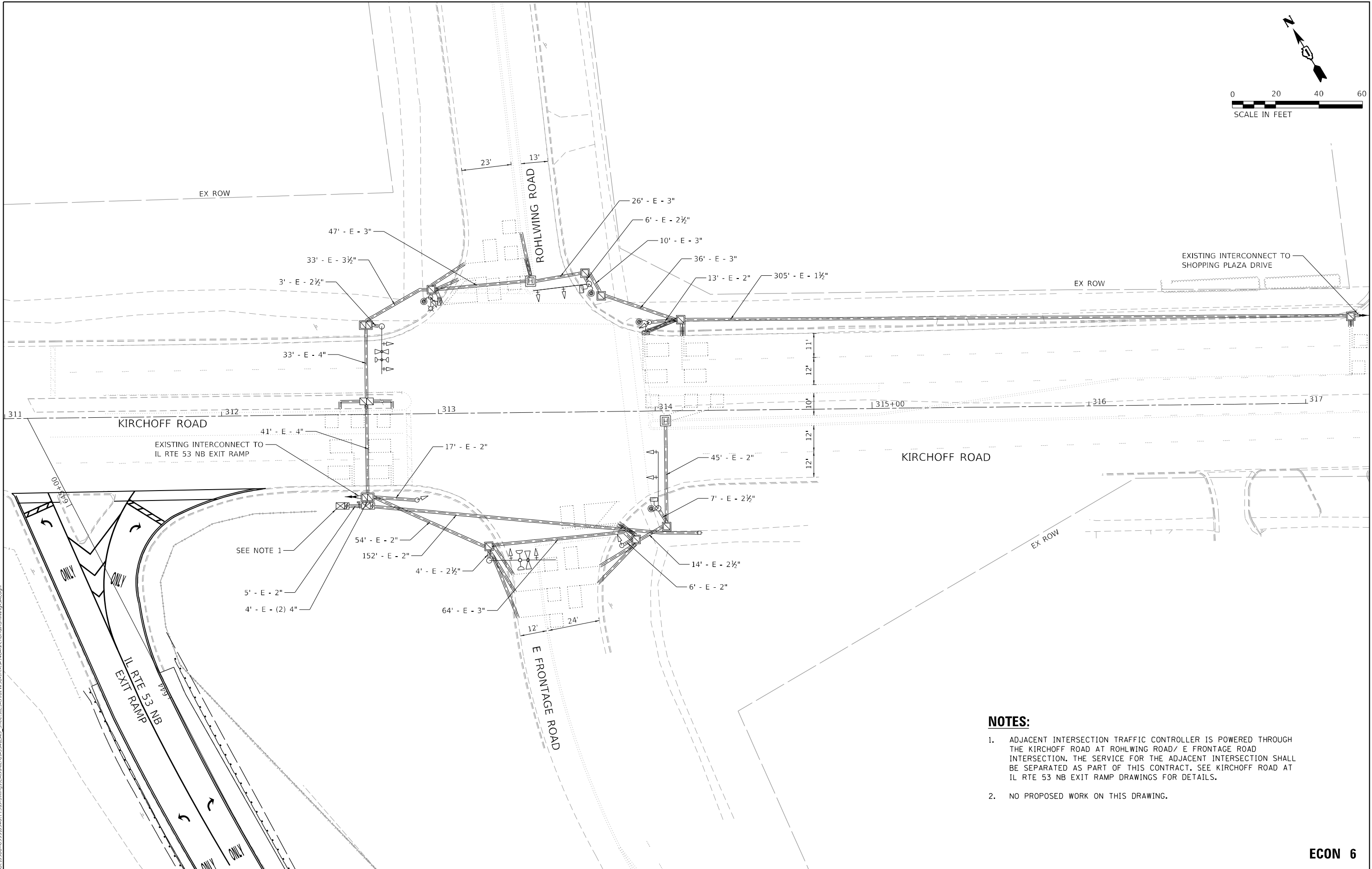
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	7.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	493
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	172
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	109
HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,879
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	194
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,576
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	221
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	430
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	36
DRILL EXISTING HANDHOLE	EACH	14
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	360
*RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	144
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
*EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	585
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	14
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT AND 30 FT	EACH	1

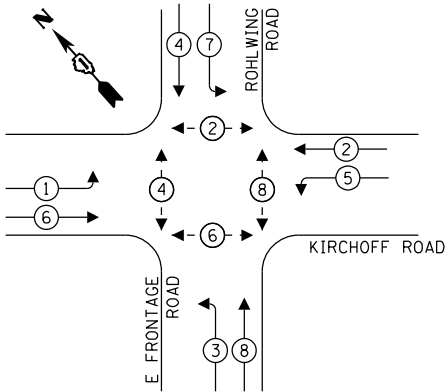
*100% COST TO THE CITY OF ROLLING MEADOWS

MODEL: Default
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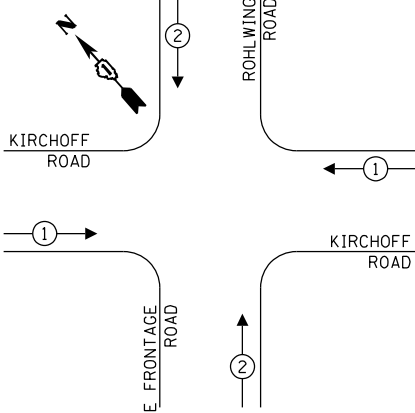


1. ADJACENT INTERSECTION TRAFFIC CONTROLLER IS POWERED THROUGH THE KIRCHOFF ROAD AT ROHLING ROAD/ E FRONTAGE ROAD INTERSECTION. THE SERVICE FOR THE ADJACENT INTERSECTION SHALL BE SEPARATED AS PART OF THIS CONTRACT. SEE KIRCHOFF ROAD AT IL RTE 53 NB EXIT RAMP DRAWINGS FOR DETAILS.
2. NO PROPOSED WORK ON THIS DRAWING.

EXISTING & PROPOSED PHASE DESIGNATION DIAGRAM



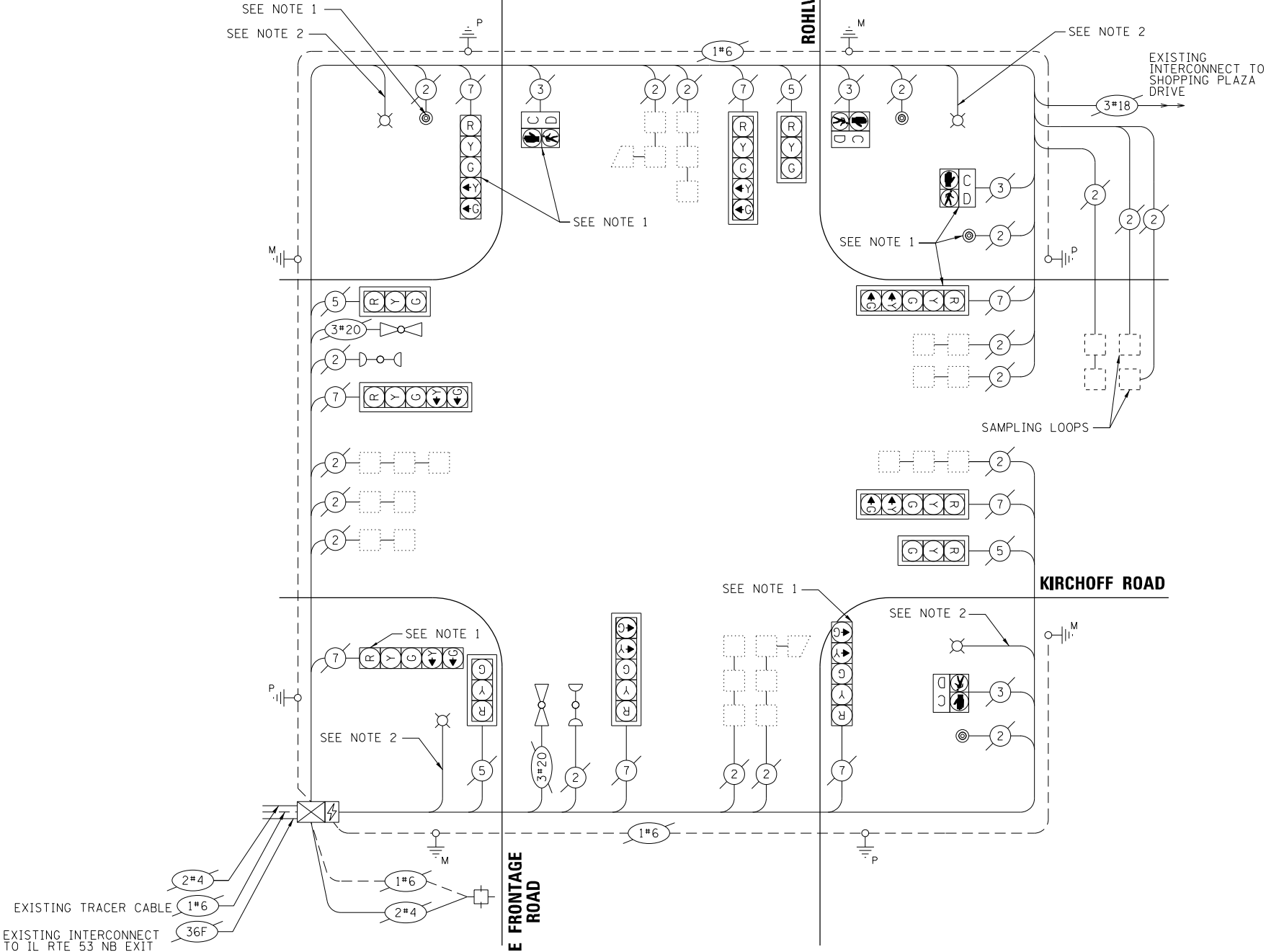
EXISTING & PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3 - SECTION	4	11
	4 - SECTION		14
	5 - SECTION	8	13
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	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
TOTAL UPS SIZING			383
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			988
ENERGY COSTS TO:			
CITY OF ROLLING MEADOWS			
ENERGY SUPPLY: CONTACT: JAMES CAMPBELL PHONE: (630) 940-6805 COMPANY: COMMONWEALTH EDISON ACCOUNT NUMBER: 84603841222			

LEGEND:

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



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

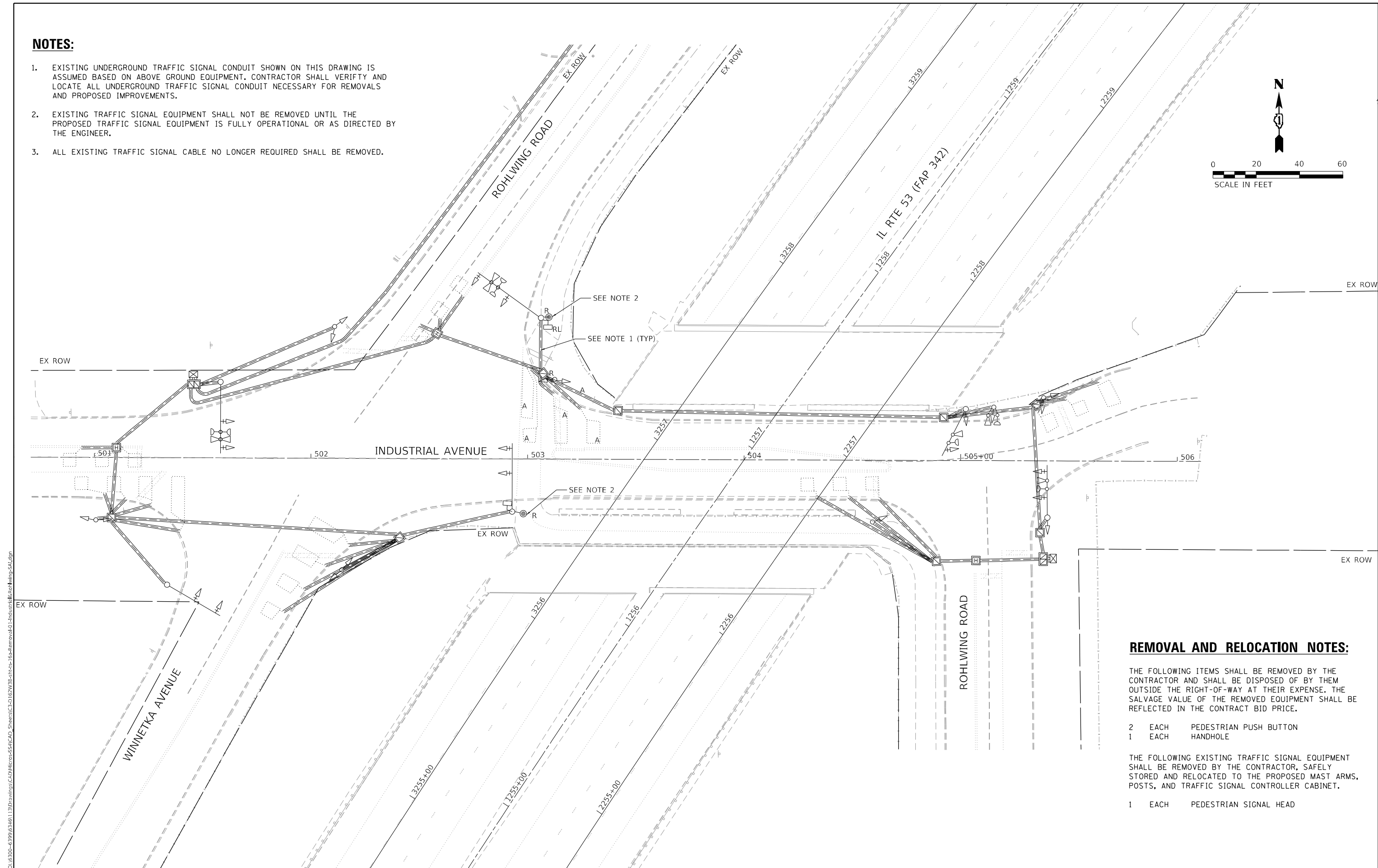
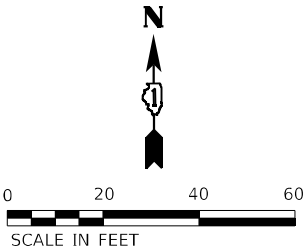
ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

NOTES:

- EXISTING TRAFFIC SIGNAL EQUIPMENT IS LOCATED ON EXISTING STREET LIGHTING POLE
- EXISTING STREET LIGHTING WIRE SIZE AND CONTROLLER LOCATION IS UNKNOWN.

NOTES:

1. EXISTING UNDERGROUND TRAFFIC SIGNAL CONDUIT SHOWN ON THIS DRAWING IS ASSUMED BASED ON ABOVE GROUND EQUIPMENT. CONTRACTOR SHALL VERIFY AND LOCATE ALL UNDERGROUND TRAFFIC SIGNAL CONDUIT NECESSARY FOR REMOVALS AND PROPOSED IMPROVEMENTS.
2. EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
3. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.



REMOVAL AND RELOCATION NOTES:

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 PEDESTRIAN PUSH BUTTON
1 EACH HANDHOLE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS, POSTS, AND TRAFFIC SIGNAL CONTROLLER CABINET.

- 1 EACH PEDESTRIAN SIGNAL HEAD

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DRAWN: alexam
CHECKED: KRH
DATE: 8/23/2024



USER NAME	= alexam
DESIGNED	- RRS
DRAWN	- ACM
CHECKED	- KRH
DATE	- 8/23/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

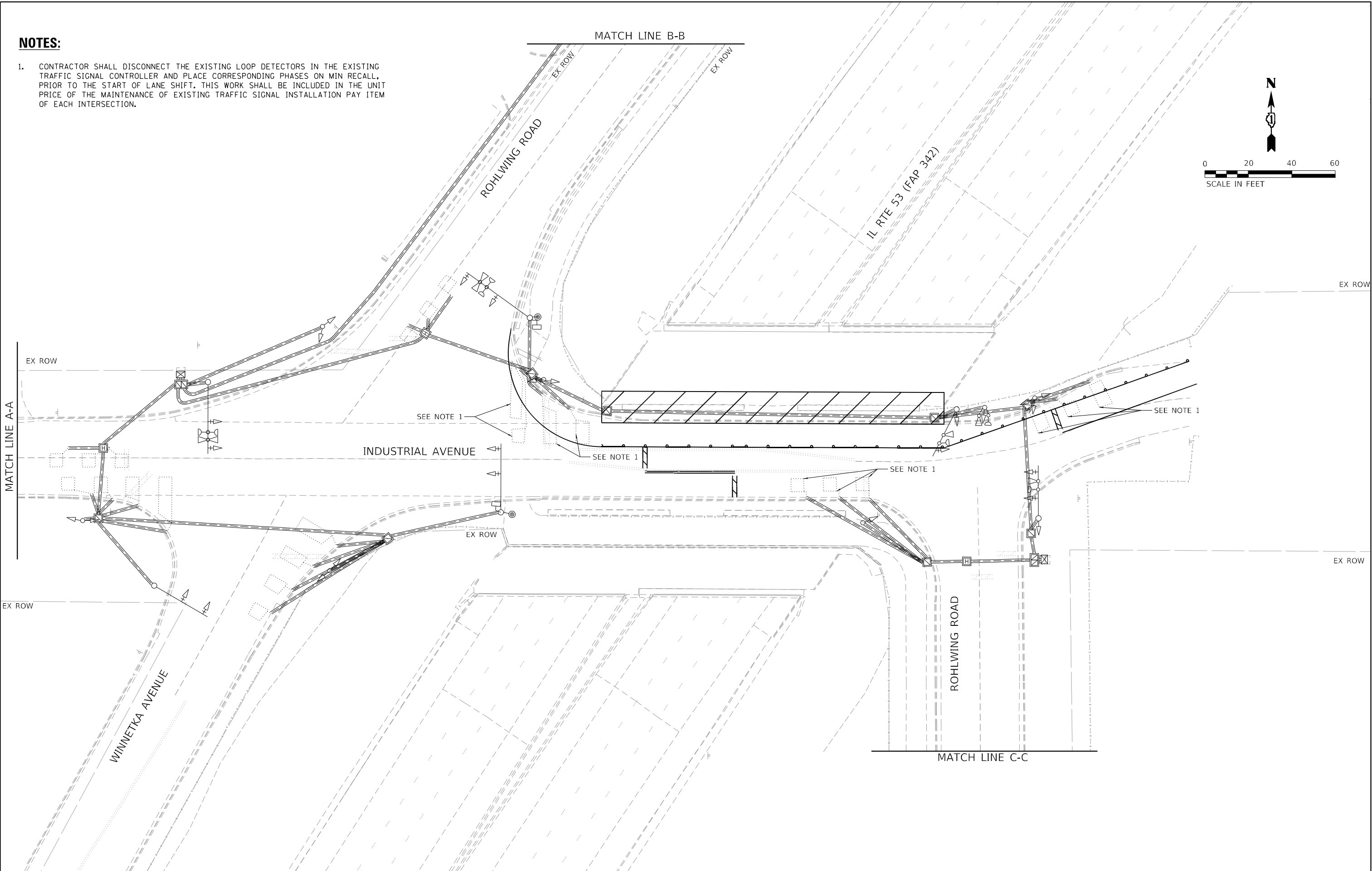
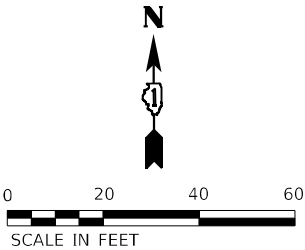
TRAFFIC SIGNAL REMOVAL AND RELOCATION PLAN
INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLLING AVENUE AND ROHLLING AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	518
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

NOTES:

1. CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTORS IN THE EXISTING TRAFFIC SIGNAL CONTROLLER AND PLACE CORRESPONDING PHASES ON MIN RECALL, PRIOR TO THE START OF LANE SHIFT. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM OF EACH INTERSECTION.



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1170 SOUTH HOUBOLT ROAD

JOLIET, ILLINOIS 60431

(815) 744-4200

STRAND ASSOCIATES

USER NAME	= alexam
DESIGNED	- RRS
DRAWN	- ACM
CHECKED	- KRH
DATE	- 8/23/2024
PLOT SCALE	= 40,0000 * / in.
PLOT DATE	= 8/23/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

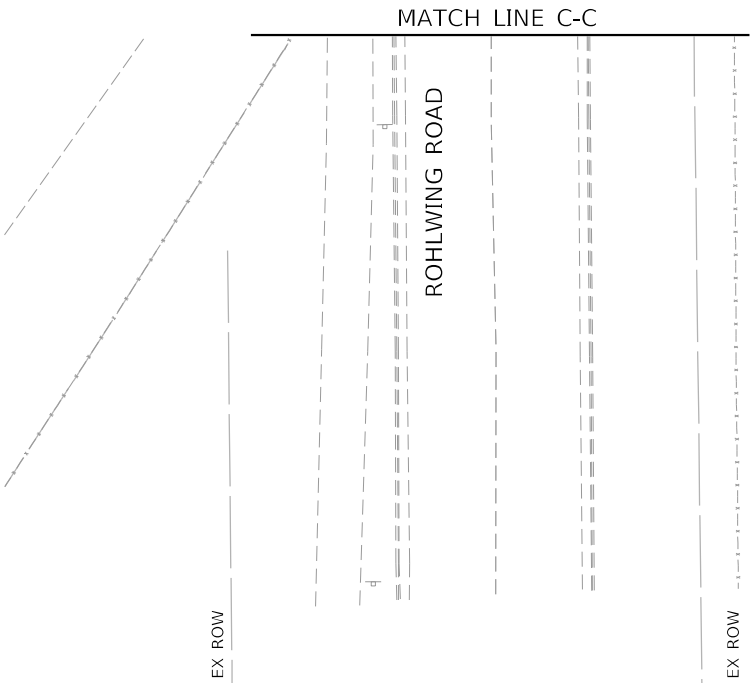
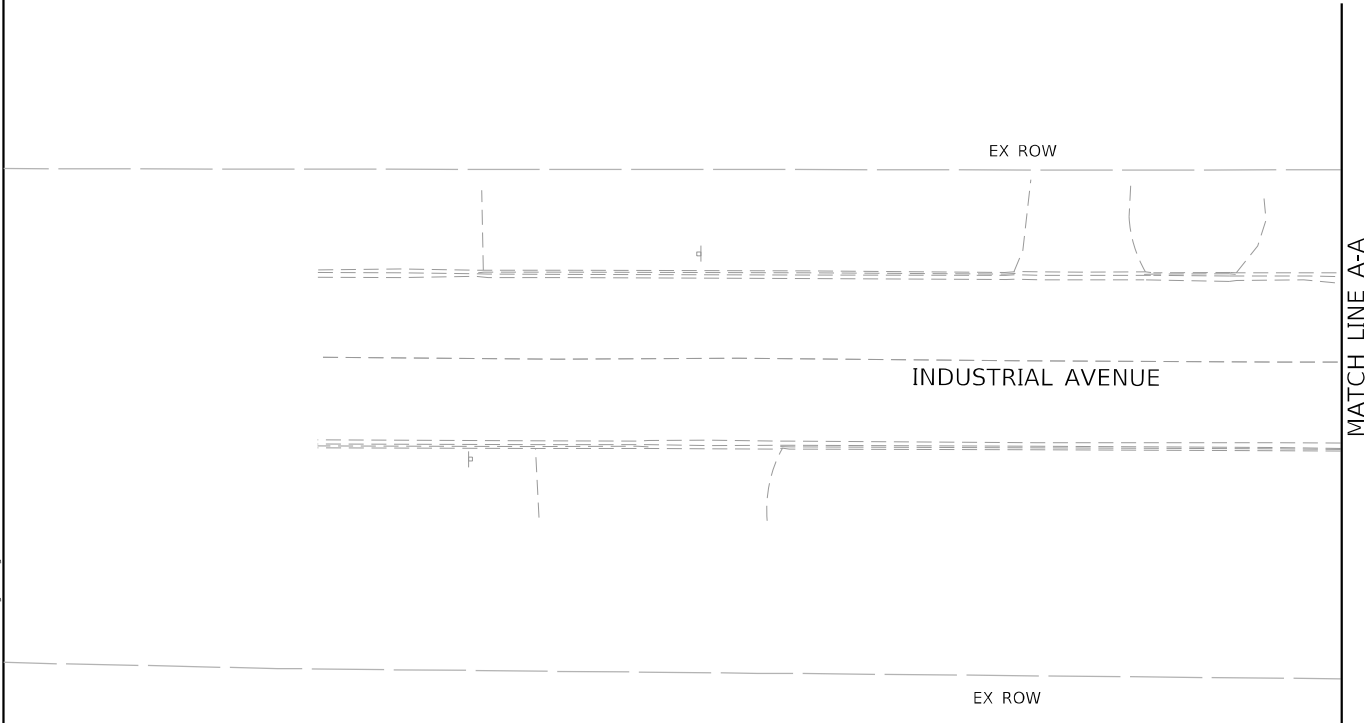
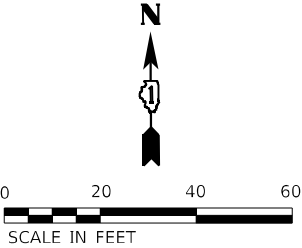
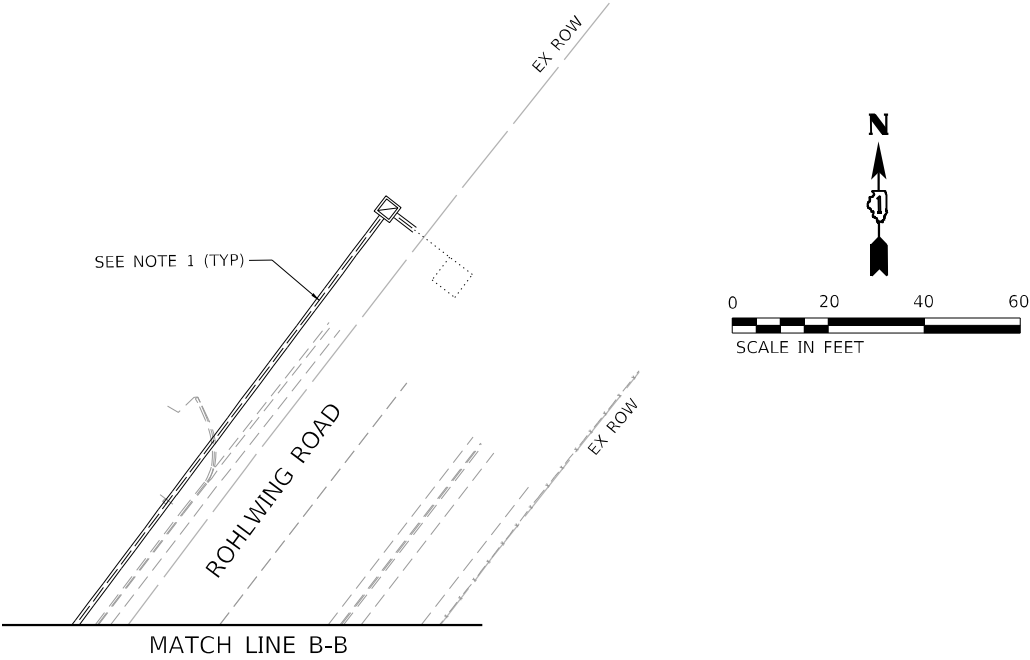
STAGE 1 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLANS
INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING AVENUE AND ROHLWING AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	519
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

NOTE:

1. EXISTING UNDERGROUND TRAFFIC SIGNAL CONDUIT SHOWN ON THIS DRAWING IS ASSUMED BASED ON ABOVE GROUND EQUIPMENT. CONTRACTOR SHALL VERIFY AND LOCATE ALL UNDERGROUND TRAFFIC SIGNAL CONDUIT NECESSARY TO INSTALL THE ACCESSIBLE PEDESTRIAN SIGNAL IMPROVEMENTS



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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = alexam	DESIGNED - RRS	REVISED -
DRAWN - ACM	REVIS	
PLOT SCALE = 40,0000 * / in.	CHECKED - KRH	REVISED -
PLOT DATE = 8/23/2024	DATE - 8/23/2024	REVISED -

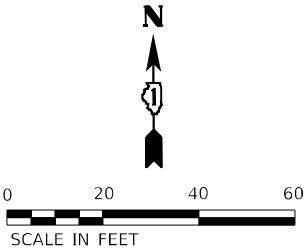
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 TRAFFIC SIGNAL REMOVAL AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLANS			
INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING AVENUE AND ROHLWING AVENUE			
SCALE: 1" = 20'	SHEET 2	OF 2 SHEETS	STA. TO STA.

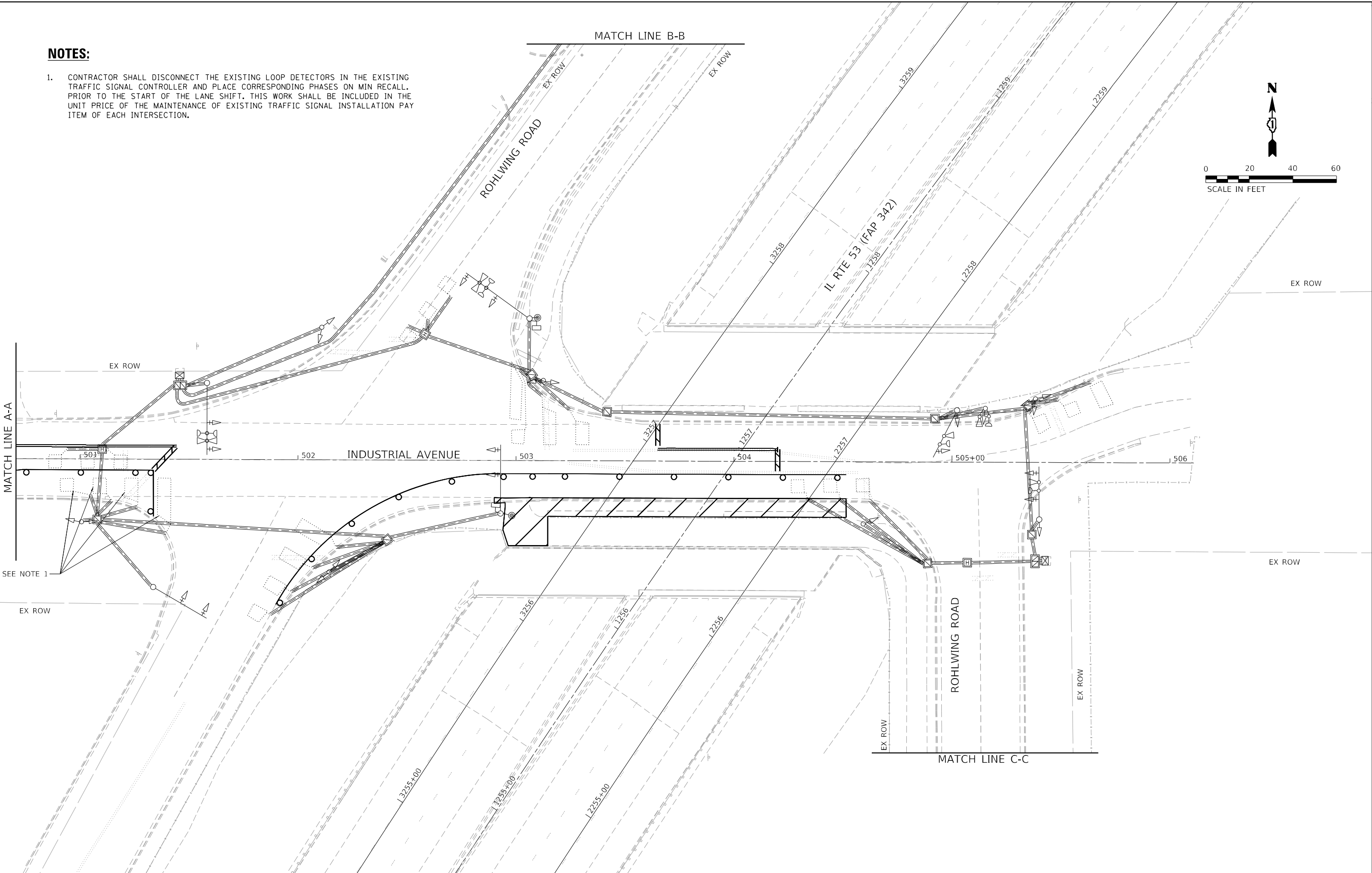
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	520
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

NOTES:

1. CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTORS IN THE EXISTING TRAFFIC SIGNAL CONTROLLER AND PLACE CORRESPONDING PHASES ON MIN RECALL. PRIOR TO THE START OF THE LANE SHIFT. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM OF EACH INTERSECTION.



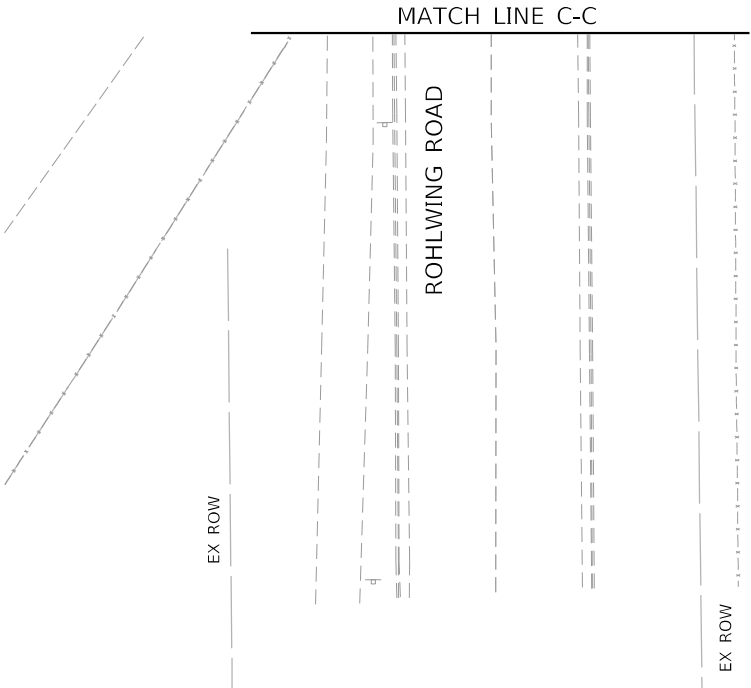
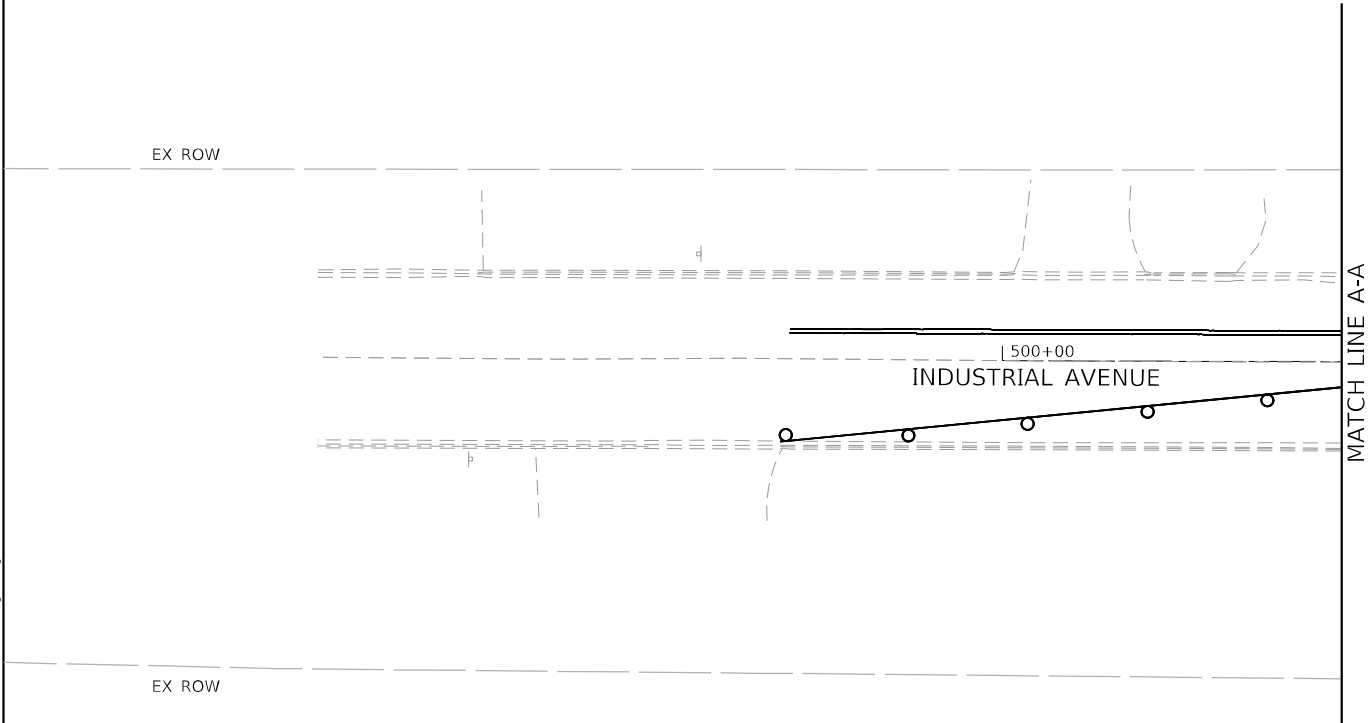
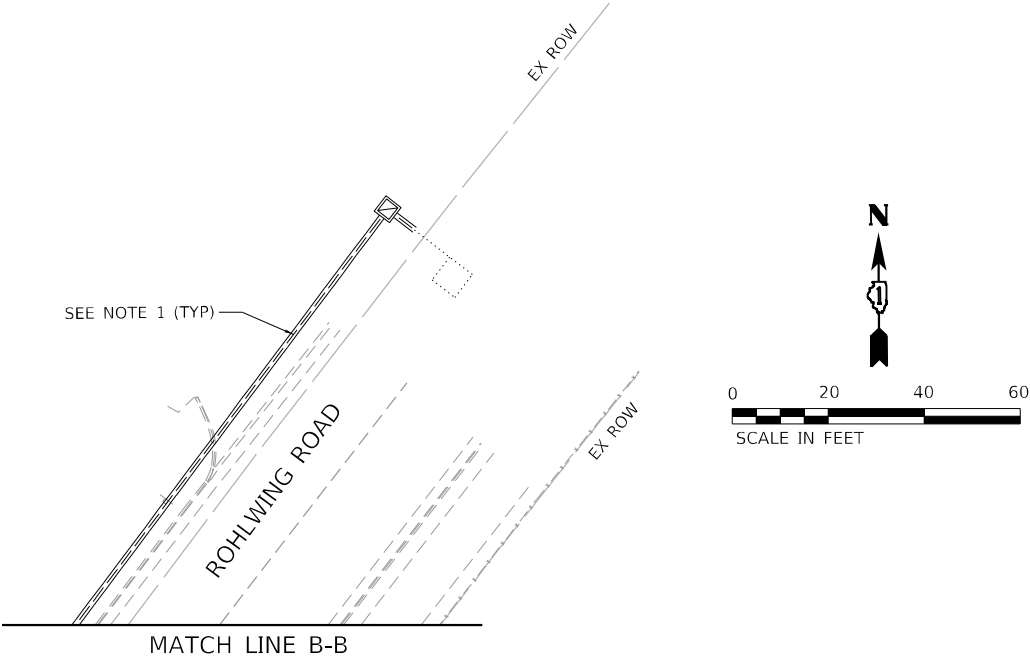
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 <div>1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200</div> <div>STRAND ASSOCIATES™</div>	USER NAME = alexam	DESIGNED - RRS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLANS INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING AVENUE AND ROHLWING AVENUE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	DRAWN - ACM	REVISED -				342	(531) BR 23	COOK	1211	521
	PLOT DATE = 8/23/2024	CHECKED - KRH	REVISED -				CONTRACT NO. 62W38				
		DATE - 8/23/2024	REVISED -				SCALE: 1" = 20'	SHEET 1	OF 2	SHEETS	STA.

NOTES:

1. EXISTING UNDERGROUND TRAFFIC SIGNAL CONDUIT SHOWN ON THIS DRAWING IS ASSUMED BASED ON ABOVE GROUND EQUIPMENT. CONTRACTOR SHALL VERIFY AND LOCATE ALL UNDERGROUND TRAFFIC SIGNAL CONDUIT NECESSARY TO INSTALL THE ACCESSIBLE PEDESTRIAN SIGNAL IMPROVEMENTS.



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1170 SOUTH HOUBOLT ROAD

JOLIET, ILLINOIS 60431

(815) 744-4200

STRAND

ASSOCIATES

USER NAME = alexam	DESIGNED - RRS	REVISED -
DRAWN - ACM	REVISIONS	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - KRH	REVISED -
PLOT DATE = 8/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

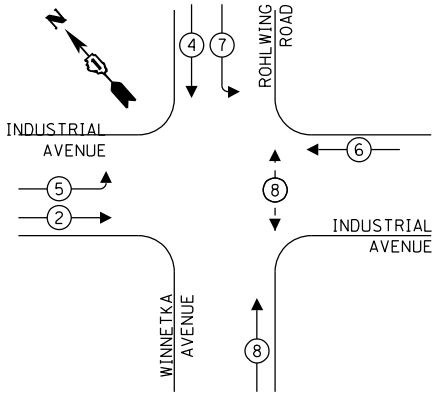
STAGE 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLANS

INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING AVENUE AND ROHLWING AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	522
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

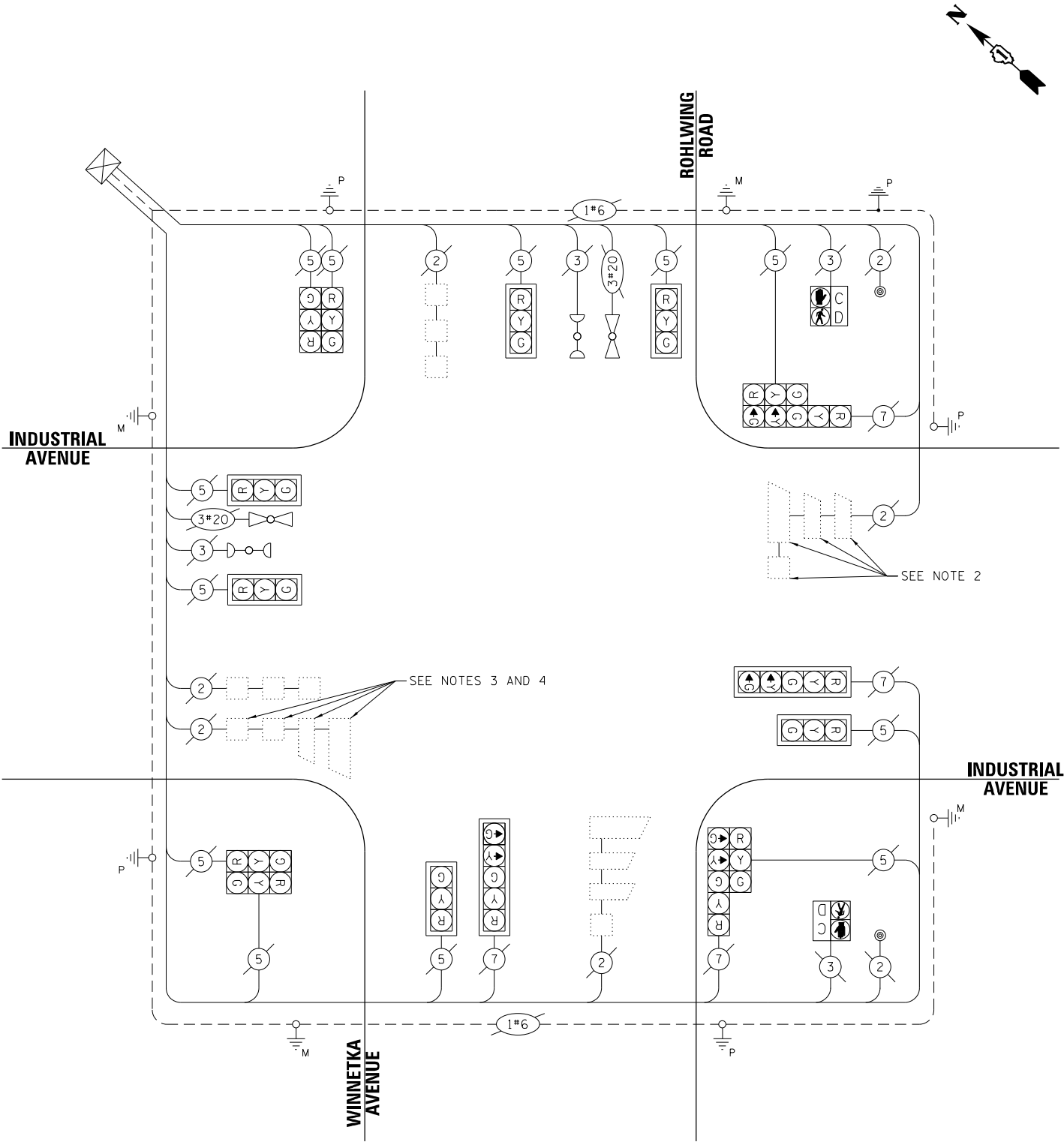
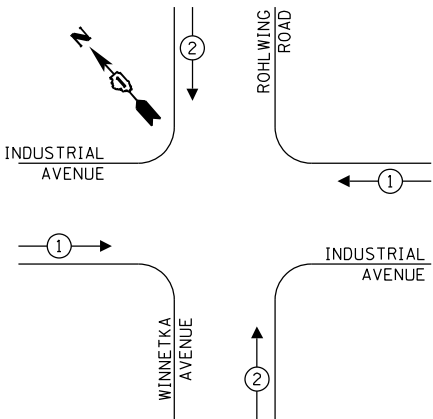
TEMPORARY PHASE DESIGNATION DIAGRAM



LEGEND:

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

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
(NOT TO SCALE)

NOTES

- CABLE ROUTING SHOWN ON THIS DRAWING ARE ASSUMED BASED ON INDUSTRY STANDARDS. CONTRACTOR SHALL VERIFY ALL TRAFFIC SIGNAL CABLES NECESSARY FOR REMOVALS AND PROPOSED IMPROVEMENTS.
- CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTOR IN THE EXISTING TRAFFIC SIGNAL CONTROLLER, PRIOR TO THE LANE SHIFT IN STAGE 1, AND PLACE PHASE 6 ON MIN RECALL. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM.
- AT THE COMPLETION OF STAGE 2, THE CONTRACTOR SHALL RECONNECT THE EXISTING LOOP DETECTORS IN THE EXISTING CABINET. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM.
- CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTOR IN THE EXISTING TRAFFIC SIGNAL CONTROLLER, PRIOR TO THE START OF STAGE 2, AND PLACE PHASE 2 ON MIN RECALL. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM.

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
TYPE	QUANTIT Y	UNIT 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	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER		100	
UPS		25	
DETECTION RADAR		20	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
TOTAL UPS SIZING			364
UPS CHARGING		225	
BATTERY HEATER MAT		180	
CABINET HEATER		200	
FLASHER		15	
LED STREET NAME SIGN		120	
LUMINAIRE		240	
TOTAL SERVICE WIRE SIZING			364
ENERGY COSTS TO:			
CITY OF ROLLING MEADOWS			
ENERGY SUPPLY: CONTACT: JAMES CAMPBELL PHONE: (630) 940-6805 COMPANY: COMMONWEALTH EDISON ACCOUNT NUMBER:			

	1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200
	USER NAME = alexam
	PLOT SCALE = 20,0000' * / in.
	PLOT DATE = 8/23/2024

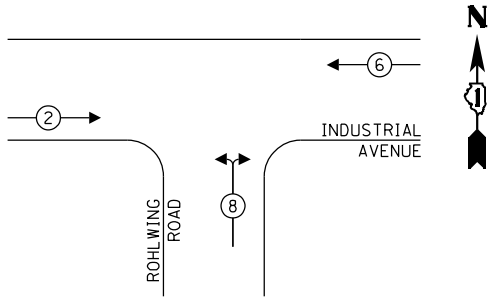
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DRAWN - ACM	REVISED -
CHECKED - KRH	REVISED -
DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALL STAGES TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING ROAD			
SCALE: N.T.S.	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	523
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

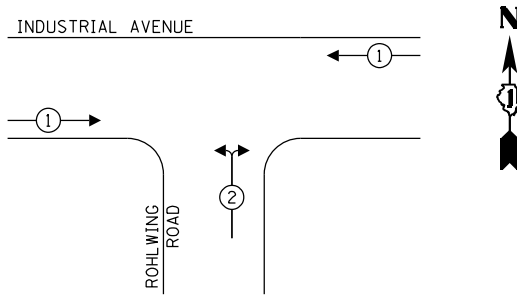
TEMPORARY PHASE DESIGNATION DIAGRAM



LEGEND:

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

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

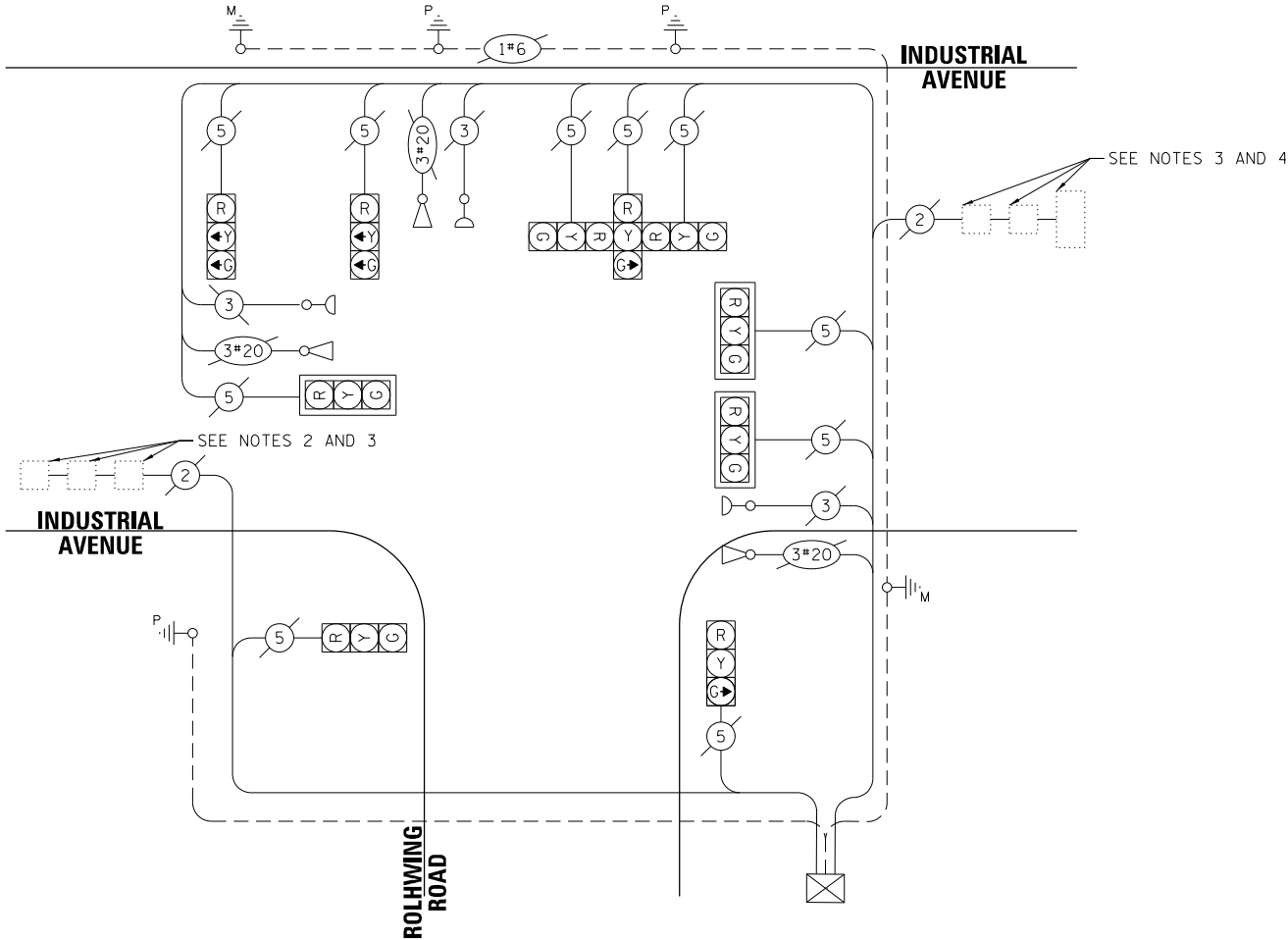


TRAFFIC SIGNAL
ELECTRIC SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	10	11	110
4 - SECTION		14	
5 - SECTION		13	
PROGRAMMABLE SIGNALS			
3 - SECTION		22	
4 - SECTION		32	
5 - SECTION		28	
PED. SIGNAL		15	
CONTROLLER	1	150	150
MASTER CONTROLLER		100	
UPS		25	
DETECTION RADAR		20	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
TOTAL UPS SIZING			260
UPS CHARGING		225	
BATTERY HEATER MAT		180	
CABINET HEATER		200	
FLASHER		15	
LED STREET NAME SIGN		120	
LUMINAIRE		240	
TOTAL SERVICE WIRE SIZING			260
ENERGY COSTS TO:			
CITY OF ROLLING MEADOWS			
ENERGY SUPPLY: CONTACT: JAMES CAMPBELL			
PHONE: (630) 940-6805			
COMPANY: COMMONWEALTH EDISON			
ACCOUNT NUMBER:			

NOTES

- CABLE ROUTING SHOWN ON THIS DRAWING ARE ASSUMED BASED ON INDUSTRY STANDARDS. CONTRACTOR SHALL VERIFY ALL TRAFFIC SIGNAL CABLES NECESSARY FOR REMOVALS AND PROPOSED IMPROVEMENTS.
- CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTOR IN THE EXISTING TRAFFIC SIGNAL CONTROLLER, PRIOR TO THE LANE SHIFT IN STAGE 1, AND PLACE PHASE 2 ON MIN RECALL. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM.
- AT THE COMPLETION OF STAGE 2, THE CONTRACTOR SHALL RECONNECT THE EXISTING LOOP DETECTORS IN THE EXISTING CABINET. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM.
- CONTROLLER SHALL DISCONNECT THE EXISTING LOOP DETECTOR IN THE EXISTING TRAFFIC SIGNAL CONTROLLER, PRIOR TO LANE SHIFT IN STAGE 1, AND PLACE PHASE 6 ON MIN RECALL. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM.



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

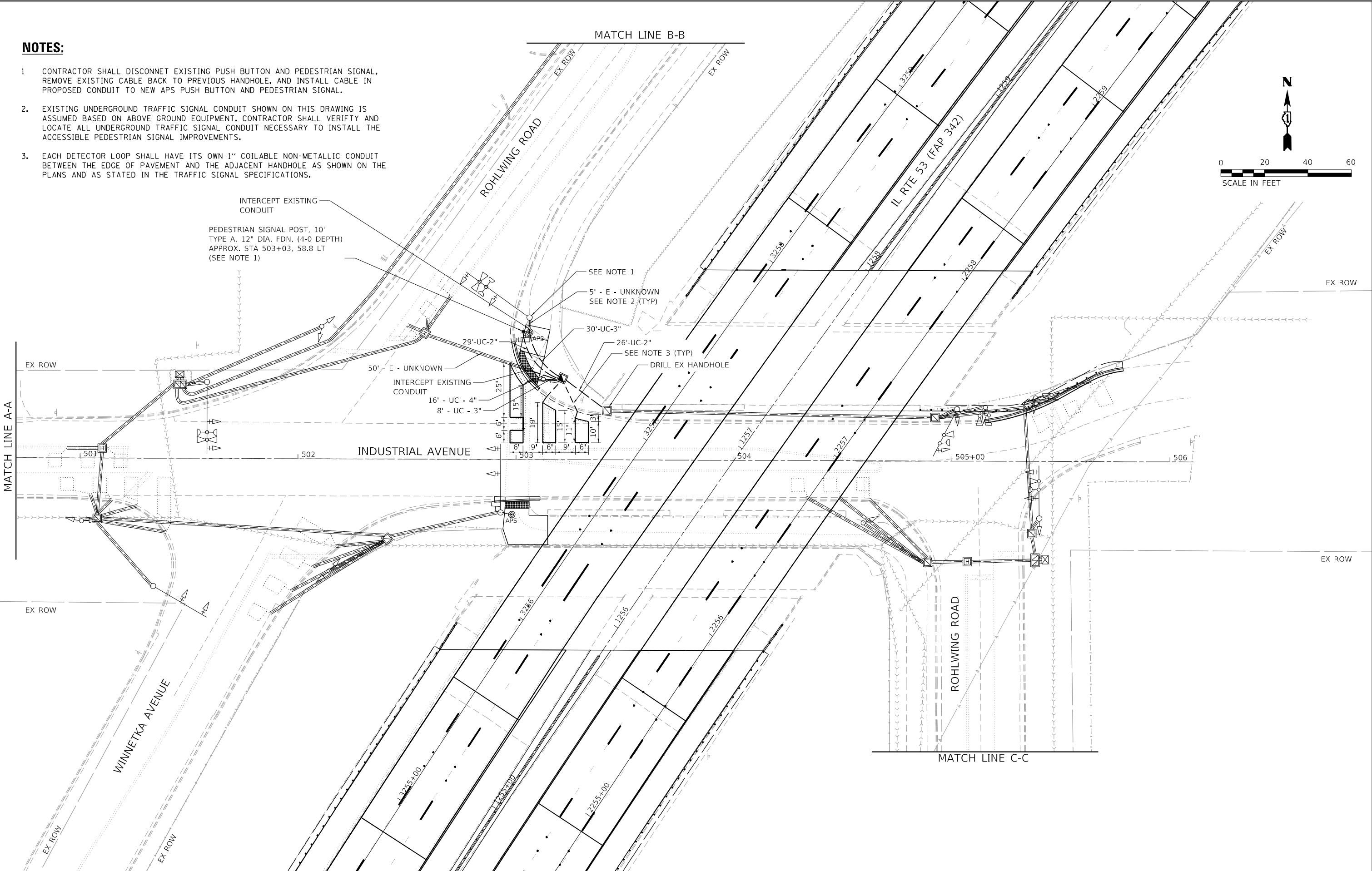
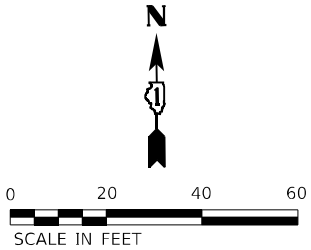
ALL STAGES TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDUSTRIAL AVENUE AT ROHLWING ROAD

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	524
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

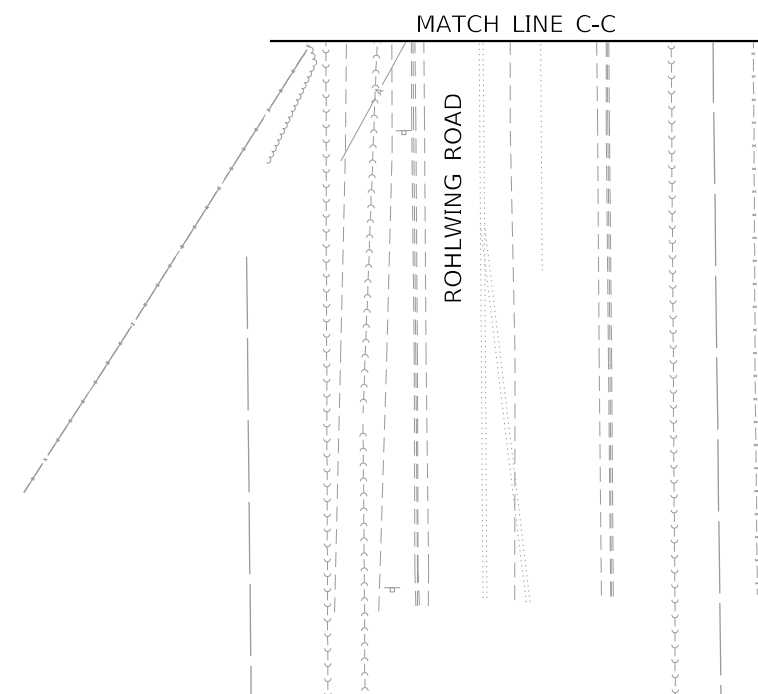
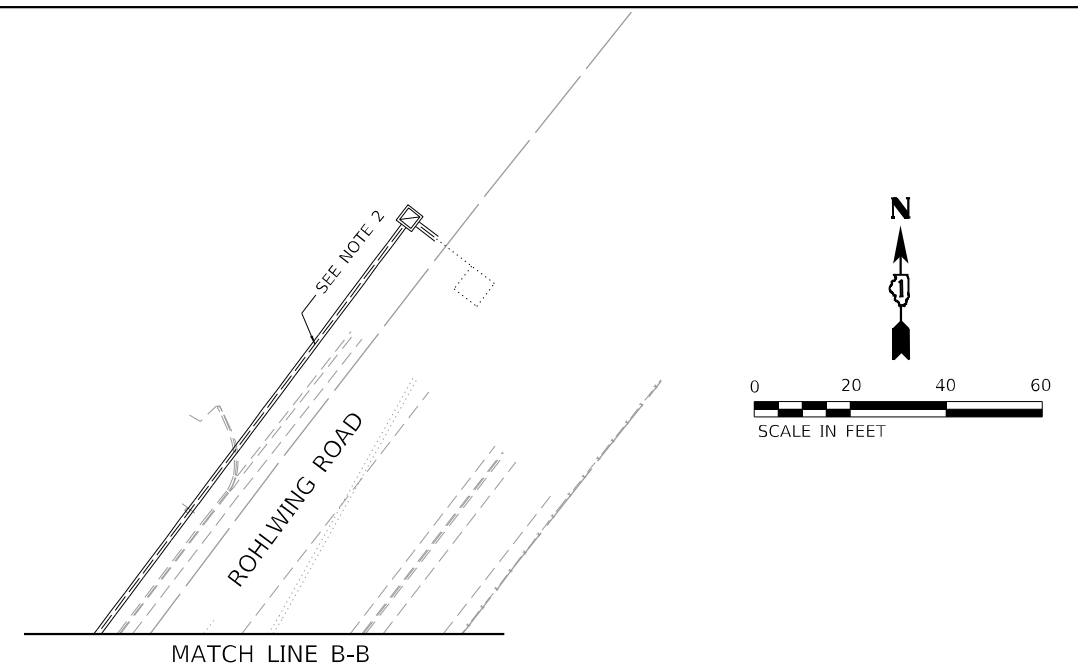
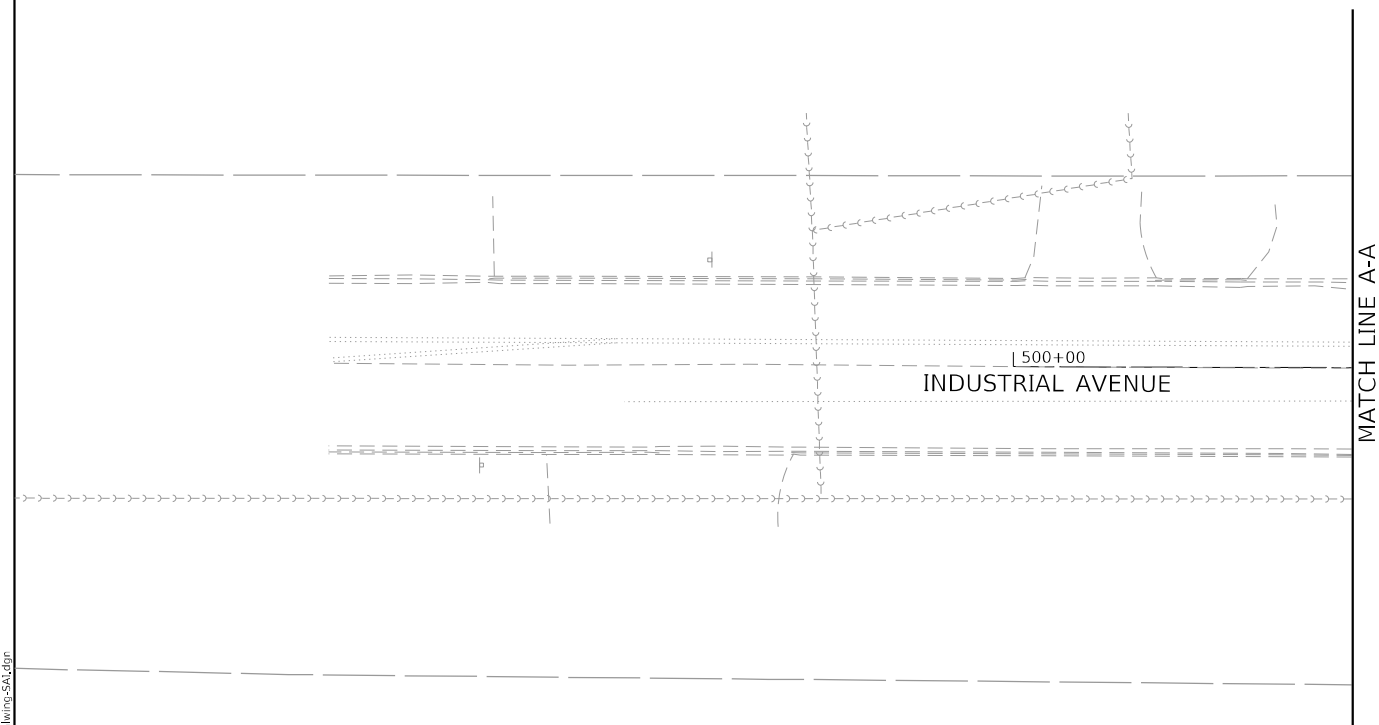
NOTES:

1. CONTRACTOR SHALL DISCONNECT EXISTING PUSH BUTTON AND PEDESTRIAN SIGNAL, REMOVE EXISTING CABLE BACK TO PREVIOUS HANDHOLE, AND INSTALL CABLE IN PROPOSED CONDUIT TO NEW APS PUSH BUTTON AND PEDESTRIAN SIGNAL.
2. EXISTING UNDERGROUND TRAFFIC SIGNAL CONDUIT SHOWN ON THIS DRAWING IS ASSUMED BASED ON ABOVE GROUND EQUIPMENT. CONTRACTOR SHALL VERIFY AND LOCATE ALL UNDERGROUND TRAFFIC SIGNAL CONDUIT NECESSARY TO INSTALL THE ACCESSIBLE PEDESTRIAN SIGNAL IMPROVEMENTS.
3. 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.

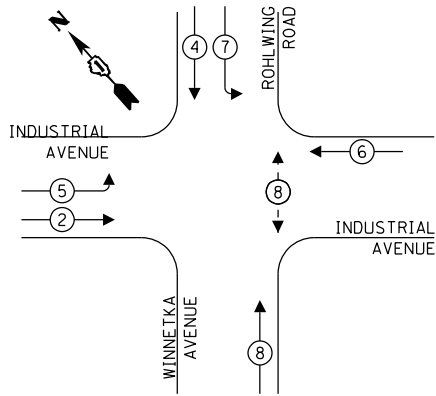


<div><div><div></div><div>STRAND ASSOCIATES</div></div><div>1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200</div></div>	USER NAME = alexam		DESIGNED - RRS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				TRAFFIC SIGNAL INSTALLATION PLANS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - ACM		REVIS	REVISED -					INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING AVENUE AND ROHLWING AVENUE		342	(531) BR 23	COOK	1211	525
	PLOT SCALE = 40,0000 * / in.		CHECKED - KRH	REVISED -							CONTRACT NO. 62W38				
	PLOT DATE = 8/23/2024		DATE - 8/23/2024	REVISED -					SCALE: 1" = 20'	SHEET 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

1. EXISTING UNDERGROUND TRAFFIC SIGNAL CONDUIT SHOWN ON THIS DRAWING IS ASSUMED BASED ON ABOVE GROUND EQUIPMENT. CONTRACTOR SHALL VERIFY AND LOCATE ALL UNDERGROUND TRAFFIC SIGNAL CONDUIT NECESSARY TO INSTALL THE ACCESSIBLE PEDESTRIAN SIGNAL IMPROVEMENTS.
2. NO WORK SHOWN ON THIS DRAWING.



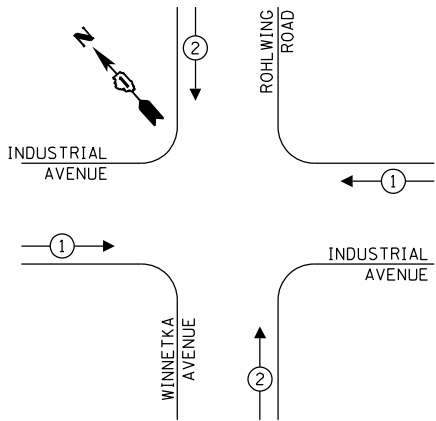
EXISTING & PROPOSED PHASE DESIGNATION DIAGRAM



LEGEND:

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

EXISTING & PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



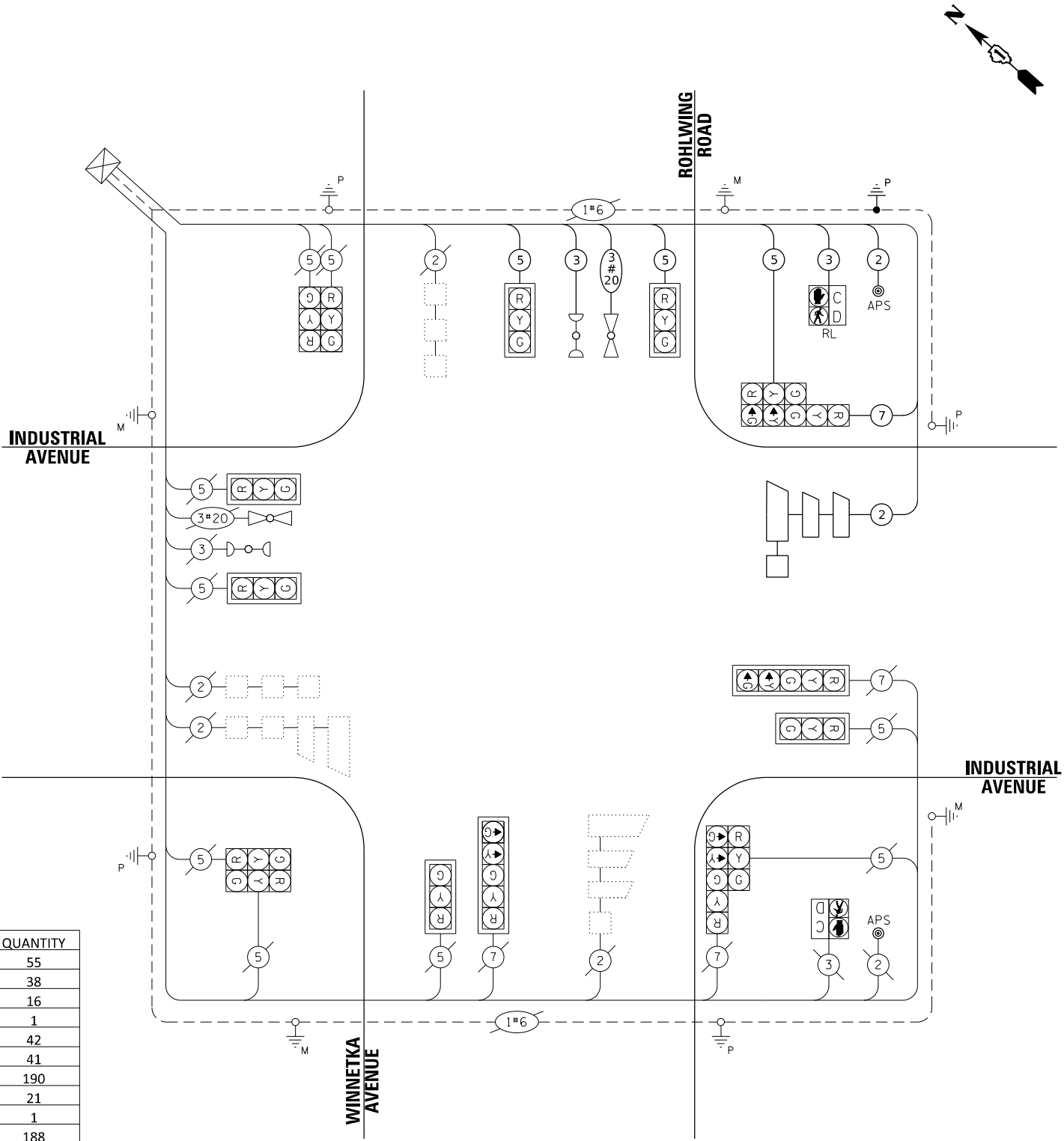
NOTES

- CABLE ROUTING SHOWN ON THIS DRAWING ARE ASSUMED BASED ON INDUSTRY STANDARDS. CONTRACTOR SHALL VERIFY ALL TRAFFIC SIGNAL CABLES NECESSARY TO INSTALL ACCESSIBLE SIGNAL IMPROVEMENTS AT INDUSTRIAL AND WINNETKA/ROHLWING.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	55
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	38
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	16
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	42
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	41
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	190
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	21
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	188
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	25
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
*EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	95
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
INTERCEPT EXISTING CONDUIT	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

*100% COST TO THE CITY OF ROLLING MEADOWS



CABLE PLAN
(NOT TO SCALE)

MODEL: D:\p\h\p\1130\Drawings\CD\Micro-SSA\CAD_Sheets\CD-162\W38-24-01_Cable_Routing_Industrial_Rohlwing_S4.dgn
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TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT 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	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER		100	
UPS		25	
DETECTION RADAR		20	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
TOTAL UPS SIZING			364
UPS CHARGING		225	
BATTERY HEATER MAT		180	
CABINET HEATER		200	
FLASHER		15	
LED STREET NAME SIGN		120	
LUMINAIRE		240	
TOTAL SERVICE WIRE SIZING			364
ENERGY COSTS TO:			
ILLINOIS DEPARTMENT OF TRANSPORTATION			
DIVISION OF HIGHWAY/DISTRICT 1			
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096			
ENERGY SUPPLY: CONTACT: JAMES CAMPBELL			
PHONE: (630) 940-6805			
COMPANY: COMMONWEALTH EDISON			
ACCOUNT NUMBER:			



USER NAME = alexam
PLOT SCALE = 20,0000 * / in.
PLOT DATE = 8/23/2024

DESIGNED - RRS
DRAWN - ACM
CHECKED - KRH
DATE - 8/23/2024

REVISED -
REVISED -
REVISED -
REVISED -

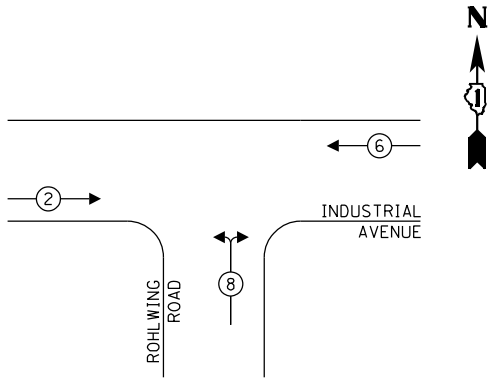
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PROPOSED PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE
PREEMPTION INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING ROAD

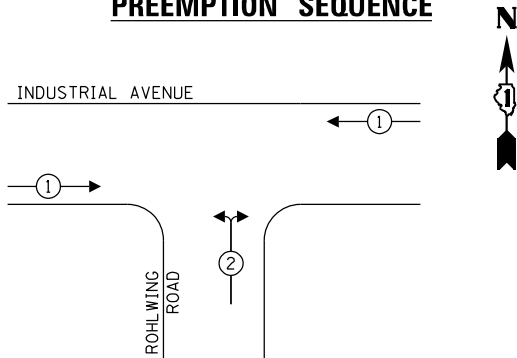
SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	527
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

EXISTING & PROPOSED PHASE DESIGNATION DIAGRAM



EXISTING & PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



LEGEND:

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

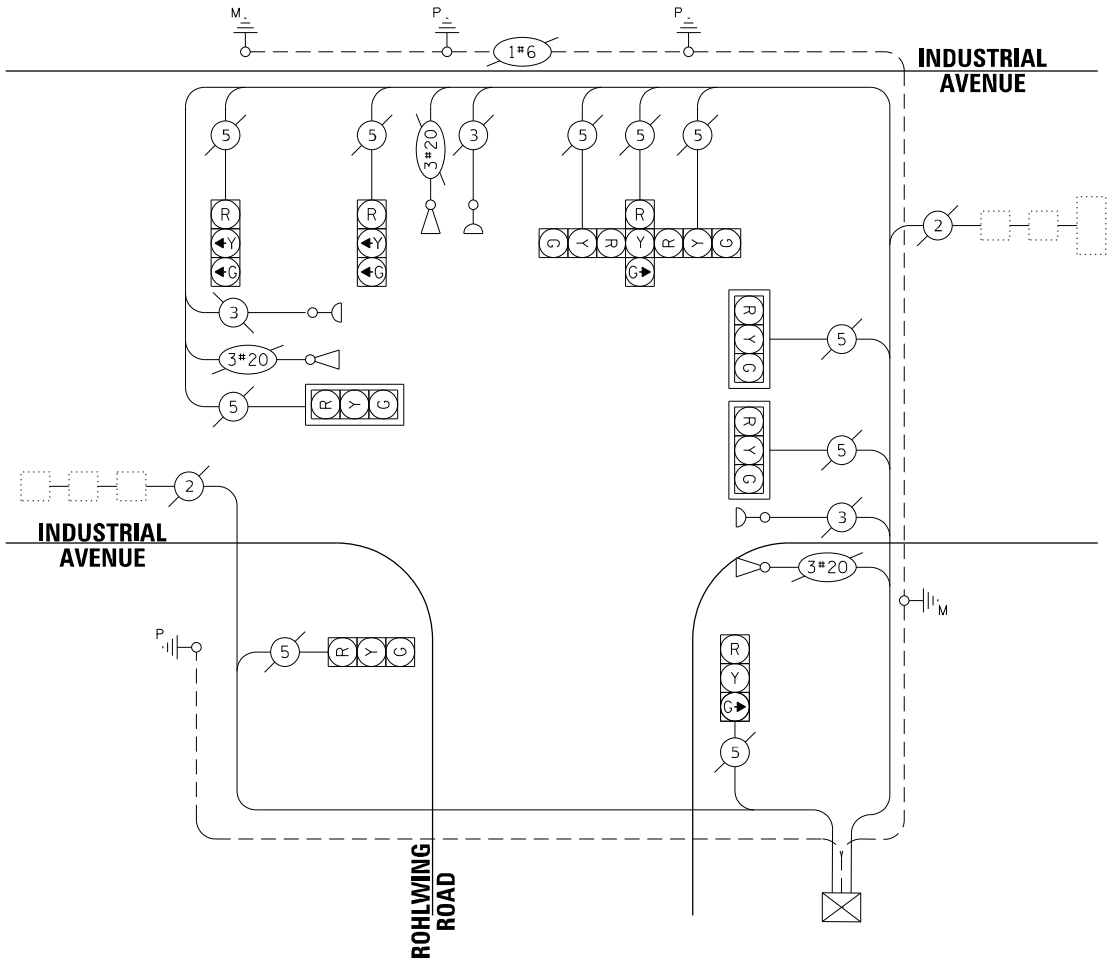
NOTES

- CABLE ROUTING SHOWN ON THIS DRAWING ARE ASSUMED BASED ON INDUSTRY STANDARDS. CONTRACTOR SHALL VERIFY ALL TRAFFIC SIGNAL CABLES NECESSARY TO INSTALL ACCESSIBLE SIGNAL IMPROVEMENTS AT INDUSTRIAL AND WINNETKA/ROHLWING.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

CABLE PLAN
(NOT TO SCALE)



TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
TYPE	QUANTIT Y	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	10	11	110
4 - SECTION		14	
5 - SECTION		13	
PROGRAMMABLE SIGNALS			
3 - SECTION		22	
4 - SECTION		32	
5 - SECTION		28	
PED. SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER		100	
UPS		25	
DETECTION RADAR		20	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
TOTAL UPS SIZING			260
UPS CHARGING		225	
BATTERY HEATER MAT		180	
CABINET HEATER		200	
FLASHER		15	
LED STREET NAME SIGN		120	
LUMINAIRE		240	
TOTAL SERVICE WIRE SIZING			260
ENERGY COSTS TO:			
CITY OF ROLLING MEADOWS			
ENERGY SUPPLY: CONTACT: JAMES CAMPBELL PHONE: (630) 940-6805 COMPANY: COMMONWEALTH EDISON ACCOUNT NUMBER:			



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = alexam
PLOT SCALE = 20,0000 * / in.
PLOT DATE = 8/23/2024

DESIGNED - RRS
DRAWN - ACM
CHECKED - KRH
DATE - 8/23/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PROPOSED PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE
PREEMPTION INDUSTRIAL AVENUE AT ROHLWING ROAD

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	528
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

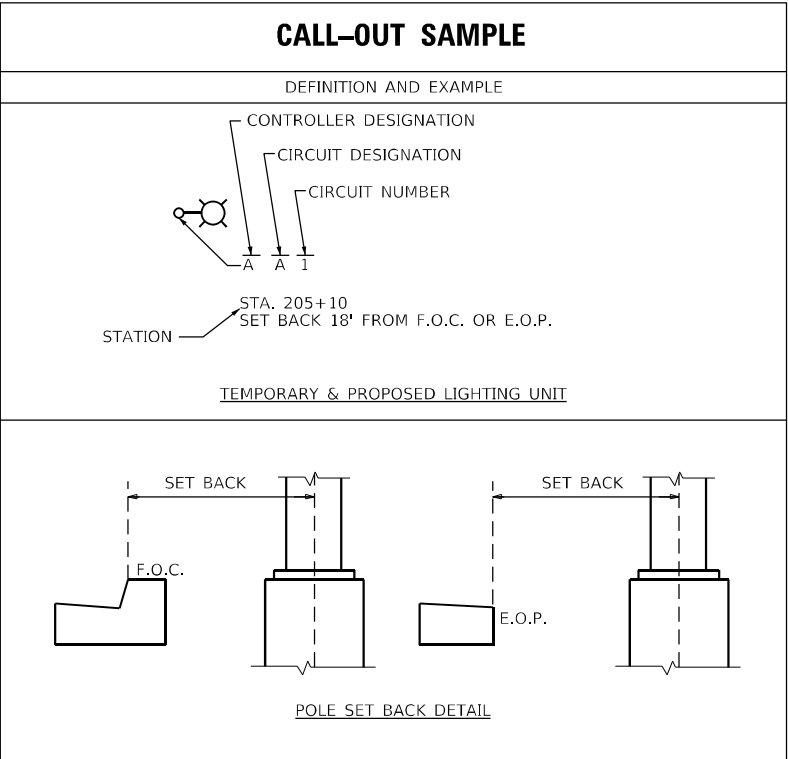


1. CONTRACTOR SHALL DISCONNECT EXISTING FIBER OPTIC CABLE AT IL RTE 53 WEST RAMPS AND IL RTE 53 EAST RAMPS. CONTRACTOR SHALL REMOVE EXISTING FIBER OPTIC CABLE AND TRACER CABLE FROM HH01 TO HH02 TO HH03 TO HH04 TO HH05 TO HH06 TO HH07 TO HH08 TO HH09 TO HH10 TO HH11 AND INSTALL NEW FIBER OPTIC CABLE AND TRACER WIRE FROM H11 TO HH10 TO HH09 TO HH08 TO HH07 TO HH06 TO HH05 TO HH04 TO HH04 TO HH03 TO HH02 TO HH01.

MODEL: Default
FILE NAME: 53-00-0300-6309(E346)130Drawings\CAD\Misc-SSA\CAD_Sheets\C3-0162W38-8ht-light-note-IL53-54L.dgn

LIGHTING AND ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING LIGHT POLE W/ MAST ARM TO REMAIN
	EXISTING MEDIAN MOUNTED LIGHT POLE W/ DUAL MAST ARM TO REMAIN
	EXISTING LIGHTING UNIT TO BE REMOVED. EXISTING LUMINAIRE AND LIGHTING ARM TO BE SALVAGED.
	EXISTING MEDIAN MOUNTED LIGHTING UNIT TO BE REMOVED. EXISTING LUMINAIRE & LIGHTING ARMS TO BE SALVAGED.
	TEMPORARY LIGHTING UNIT, 60 FT WOOD POLE (UNLESS OTHERWISE NOTED), 47.5 FT MOUNTING HEIGHT (UNLESS OTHERWISE NOTED) 15-FT MAST ARM, TEMPORARY LUMINAIRE, LED, ROADWAY OUTPUT DESIGNATION H, TYPE III DISTRIBUTION, MINIMUM 25,200 LUMENS (240VAC)
	TEMPORARY WOOD POLE, CLASS 4, 60 FT
	REMOVE EXISTING LUMINAIRE, SALVAGE. INSTALL LUMINAIRE SAFETY CABLE AND LUMINAIRE, LED, ROADWAY, REPLACEMENT (HORIZONTAL MOUNT, OUTPUT DESIGNATION H) ON EXISTING GROUND MOUNTED LIGHT POLE AND MAST ARM.
	REMOVE EXISTING MEDIAN LUMINAIRES AND DUAL MAST ARMS, SALVAGE. INSTALL 6-FT DUAL MAST ARMS (UNLESS OTHERWISE NOTED), LUMINAIRE SAFETY CABLES, AND 2 LUMINAIRES, LED, ROADWAY, REPLACEMENT (HORIZONTAL MOUNT, OUTPUT DESIGNATION H) ON LIGHT POLE.
	PROPOSED LIGHTING UNIT MOUNTED ON BRIDGE PARAPET WALL (UNLESS OTHERWISE NOTED), 47.5 FT MOUNTING HEIGHT, 6 FT. MAST ARM (UNLESS OTHERWISE NOTED), LUMINAIRE TO BE LED, HORIZONTAL MOUNT, OUTPUT DESIGNATION H (240VAC).
	PROPOSED LIGHTING UNIT MOUNTED INTEGRAL WITH BARRIER WALL, 24" DIAMETER, (UNLESS OTHERWISE NOTED) 47.5 FT MOUNTING HEIGHT, 2-6 FT MAST ARMS, 2 LUMINAIRES TO BE LED, HORIZONTAL MOUNT, OUTPUT DESIGNATION H (240VAC).
	EXISTING LPS UNDERPASS LUMINAIRE TO BE REMOVED, NO SALVAGE
	EXISTING JUNCTION BOX TO REMAIN
	EXISTING JUNCTION BOX TO BE REMOVED
	PROPOSED UNDERPASS LED LUMINAIRE, SUSPENDED MOUNT, OUTPUT DESIGNATION D
	PROPOSED UNDERPASS LED LUMINAIRE, SUSPENDED MOUNT, OUTPUT DESIGNATION E
	PROPOSED UNDERPASS LED LUMINAIRE, WALLMOUNT, OUTPUT DESIGNATION E
	PROPOSED JUNCTION BOX, TYPE AND SIZE AS NOTED
	EXISTING EMBEDDED CONDUIT TO REMAIN
	EXISTING UNDERGROUND CONDUIT TO REMAIN
	EXISTING UNIT DUCT TO REMAIN
	EXISTING UNDERGROUND UNIT DUCT TO BE REMOVED OR ABANDONED IN PLACE
	EXISTING CONDUIT TO BE REMOVED
	TEMPORARY AERIAL LIGHTING CABLE WITH MESSENGER WIRE, TYPE AND SIZE AS NOTED
	PROPOSED UNIT DUCT/CABLE IN EMBEDDED CONDUIT, TYPE AND SIZE AS NOTED
	PROPOSED UNIT DUCT IN CONCEALED CONDUIT, TYPE AND SIZE AS NOTED
	PROPOSED UNIT DUCT, TYPE AND SIZE AS NOTED

LIGHTING AND ELECTRICAL LEGEND (CONTINUED)	
SYMBOL	DESCRIPTION
	EXISTING HANDHOLE TO REMAIN
	EXISTING IDOT LIGHTING CONTROLLER TO REMAIN
	EXISTING ELECTRICAL UTILITY SERVICE TO REMAIN



ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
ATS	ATTACHED TO STRUCTURE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
COMED	COMMONWEALTH EDISON COMPANY
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
EX.	EXISTING
ECA	ELECTRIC CABLE ASSEMBLY
EIS	EMBEDDED IN STRUCTURE
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
LP	LIGHT POLE
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NESC	NATIONAL ELECTRIC SAFETY CODE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUCT, GALVANIZED STEEL
VAC	VOLTS, ALTERNATING CURRENT
W	WATTS
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

GENERAL NOTES

- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- PRIOR TO ANY WORK IN THE FIELD, THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.
- ALL EXISTING HPS LUMINAIRES AND LIGHTING ARMS ON POLES BEING REMOVED SHALL BE SALVAGED TO IDOT. CONTACT THE ELECTRICAL MAINTENANCE SECTION (708) 524-2145 TO COORDINATE THE DELIVERY OF THE HPS LUMINAIRES TO STATE STOCK.
- AT LOCATIONS OF LUMINAIRE REPLACEMENT ONLY, THE CONTRACTOR SHALL TAKE PROPER MEASURES NOT TO DAMAGE THE EXISTING CABLES COMING OUT OF THE EXISTING MEDIAN BARRIER WALL FOUNDATIONS.
- AERIAL CABLES SHALL MAINTAIN A MINIMUM CLEARANCE OF 18 FT OVER ROADWAYS PER NEC 225.18.
- WHEN THERE ARE MULTIPLE TEMPORARY CIRCUITS ON THE SAME POLE, MAINTAIN A MINIMUM OF A 4 FT VERTICAL GAP BETWEEN CIRCUITS.

IDOT-D1 STANDARDS:

STANDARD NO.	TITLE
BE-301	LIGHT POLE FOUNDATION, 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
BE-305	LIGHT POLE FOUNDATION, METAL
BE-322	24" DIA. LIGHT POLE FOUNDATION INTEGRAL WITH DOUBLE FACE BARRIER WALL
BE-400	ALUMINUM LIGHT POLE 47'-6" (14.478 m) MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-703	MISC. ELECTRICAL DETAILS SHEET B
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
BE-901	SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS

INDEX OF LIGHTING SHEETS

DRAWING NO.	TITLE
531	LIGHTING LEGEND AND GENERAL NOTES
532	IDOT LIGHTING BILL OF MATERIAL
533 - 552	REMOVAL AND TEMPORARY LIGHTING PLAN
553 - 557	TEMPORARY LIGHTING PLANS
558 - 577	PROPOSED LIGHTING PLAN
578 - 579	UNDERPASS REMOVAL LIGHTING PLANS
580 - 581	UNDERPASS LIGHTING PLAN
582 - 585	SINGLE LINE DIAGRAMS
586 - 587	LIGHTING DETAILS
588 - 598	IDOT DISTRICT 1 STANDARDS
599 - 601	ROLLING MEADOWS LIGHTING PLANS

LT-01



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jackd	DESIGNED - AJR
	DRAWN - JED
PLOT SCALE = 2,0000 ' / in.	CHECKED - RGT
PLOT DATE = 9/20/2024	DATE - 8/23/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
LIGHTING LEGEND AND GENERAL NOTES

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	531
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

IDOT LIGHTING BILL OF MATERIAL

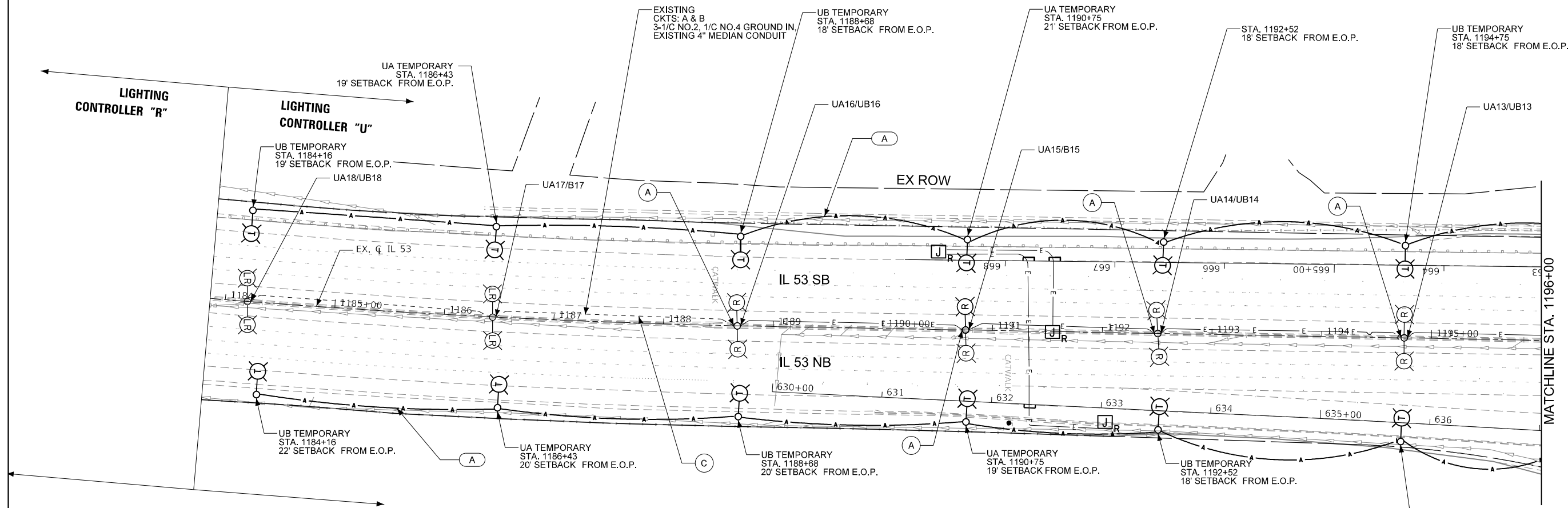
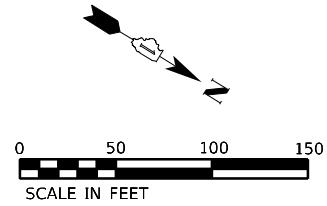
ITEM	UNIT	TOTAL QUANTITY
* UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	40
* UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	297
* CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	690
* CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	160
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	3399
CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	4029
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	20
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 6"	EACH	4
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2
* UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	6268
* ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3310
* ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	9393
* ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	43454
* AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	343
* AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	18616
* LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	55
* LUMINAIRE, LED, UNDERPASS, SUSPENDEd, OUTPUT DESIGNATION D	EACH	4
* LUMINAIRE, LED, UNDERPASS, SUSPENDEd, OUTPUT DESIGNATION E	EACH	16
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	1
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. MAST ARMS	EACH	27
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	46
LIGHT POLE, WOOD, 70 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	10
LIGHT POLE, WOOD, 90 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	2
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	90

* INDICATES SPECIAL PROVISION

ITEM	UNIT	TOTAL QUANTITY
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	1
* BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	58
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	30
REMOVAL OF POLE FOUNDATION	EACH	30
* ROD AND CLEAN EXISTING CONDUIT	FOOT	2366
* REPLACE EXISTING DECAL WITH NEW LUMINAIRE NUMBERING DECAL	EACH	11
* REMOVAL OF CABLE IN CONDUIT	FOOT	26624
* REMOVAL OF LUMINAIRE, SALVAGE	EACH	335
* 6 FT DUAL MAST ARMS, ALUMINUM, 180 DEGREES APART	EACH	56
* INTERCEPT EXISTING CONDUIT	EACH	11
* JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 20" X 13" X 12"	EACH	8
* TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	61
* REMOVE TEMPORARY WOOD POLE	EACH	35
* TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	35
* LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL, 24" DIAMETER	FOOT	189
* REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	16
* LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	335
* MAINTENANCE OF LIGHTING SYSTEM	CAL MO	21
* REMOVAL OF LIGHTING ARM, SALVAGE	EACH	167
* LUMINAIRE, LED, ROADWAY, REPLACEMENT, OUTPUT DESIGNATION H	EACH	280
* LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H (MATERIAL ONLY)	EACH	12
* LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. MAST ARM (MATERIAL ONLY)	EACH	6
* LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. MAST ARMS (MATERIAL ONLY)	EACH	3

* INDICATES SPECIAL PROVISION

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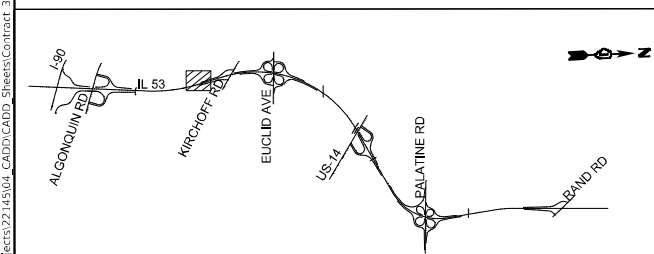


REMOVAL LEGEND:

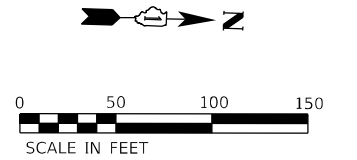
- (A) EXISTING LIGHT POLE, MAST ARM, LUMINAIRE, AND FOUNDATION TO BE REMOVED. REMOVAL AND REPLACEMENT OF MEDIAN MOUNTED LIGHTING UNITS SHALL BE DONE IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS. LIGHTING UNIT SHALL REMAIN OPERATIONAL UNTIL TEMPORARY LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL
- (C) REMOVE CABLE IN CONDUIT & ROD AND CLEAN EXISTING CONDUIT

TEMPORARY LEGEND:

- (A) AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE

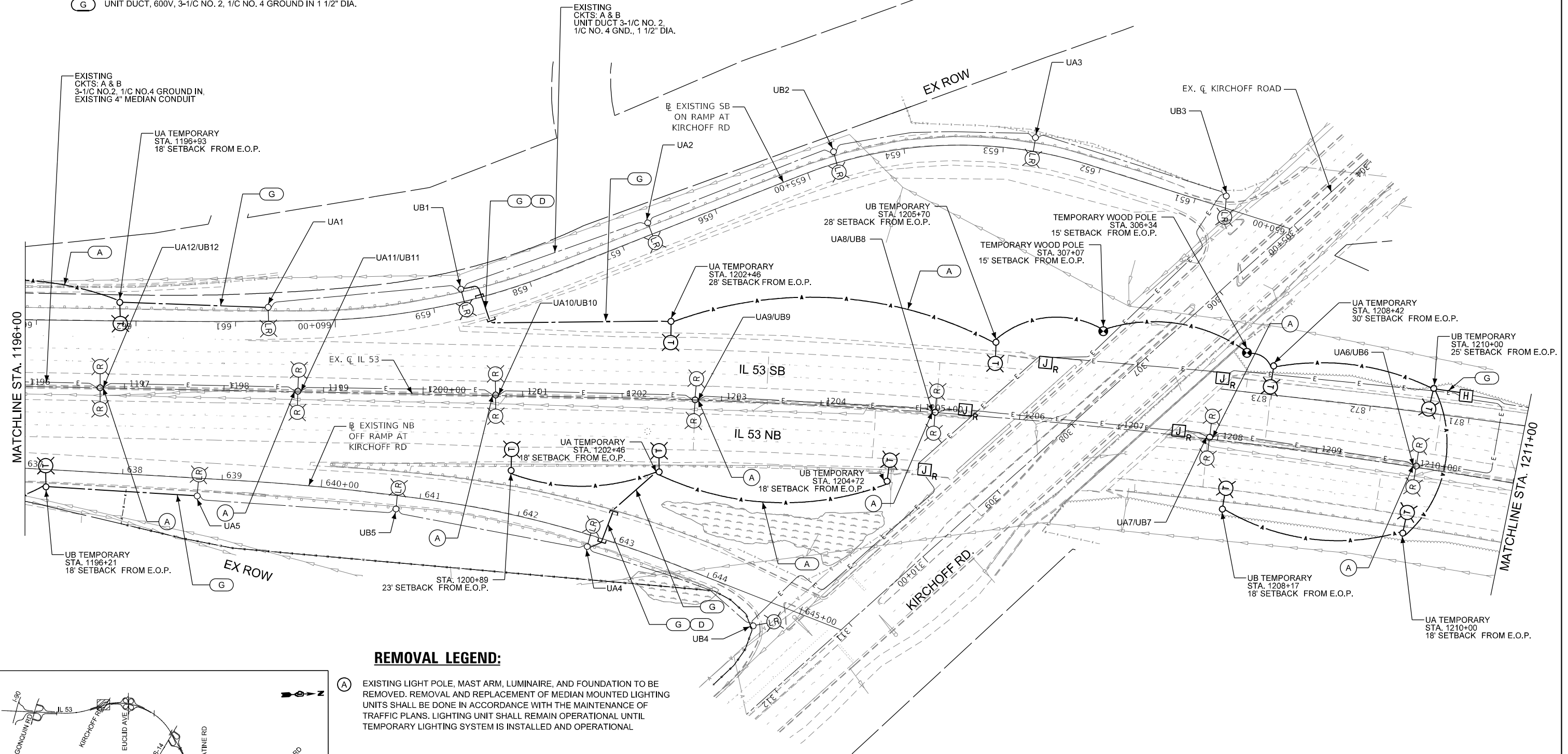


KEY MAP



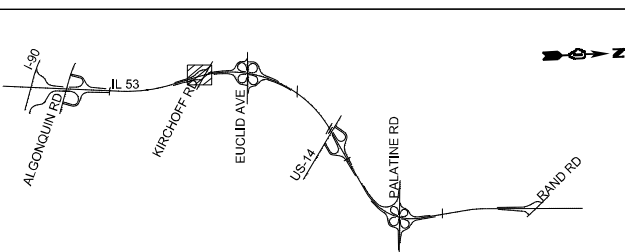
TEMPORARY LEGEND:

- (A) AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE
(D) UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
(G) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.



REMOVAL LEGEND:

- (A) EXISTING LIGHT POLE, MAST ARM, LUMINAIRE, AND FOUNDATION TO BE REMOVED. REMOVAL AND REPLACEMENT OF MEDIAN MOUNTED LIGHTING UNITS SHALL BE DONE IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS. LIGHTING UNIT SHALL REMAIN OPERATIONAL UNTIL TEMPORARY LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL



KEY MAP

MODEL: Default
FILE NAME: \\G:\Projects\22745\04_CADD\CADD_Sheets\Contract_3D\62W38\62w38-sh-light-02.dgn

SINGH
SINGH & ASSOCIATES INC.
CONSULTING ENGINEERS

USER NAME = vnupez
DESIGNED - MAG
DRAWN - ML
PLOT SCALE = 100,0000' / in.
CHECKED - MG/RP
PLOT DATE = 9/16/2024
DATE = 07/19/2024

REVISD -
REVISD -
REVISD -
REVISD -

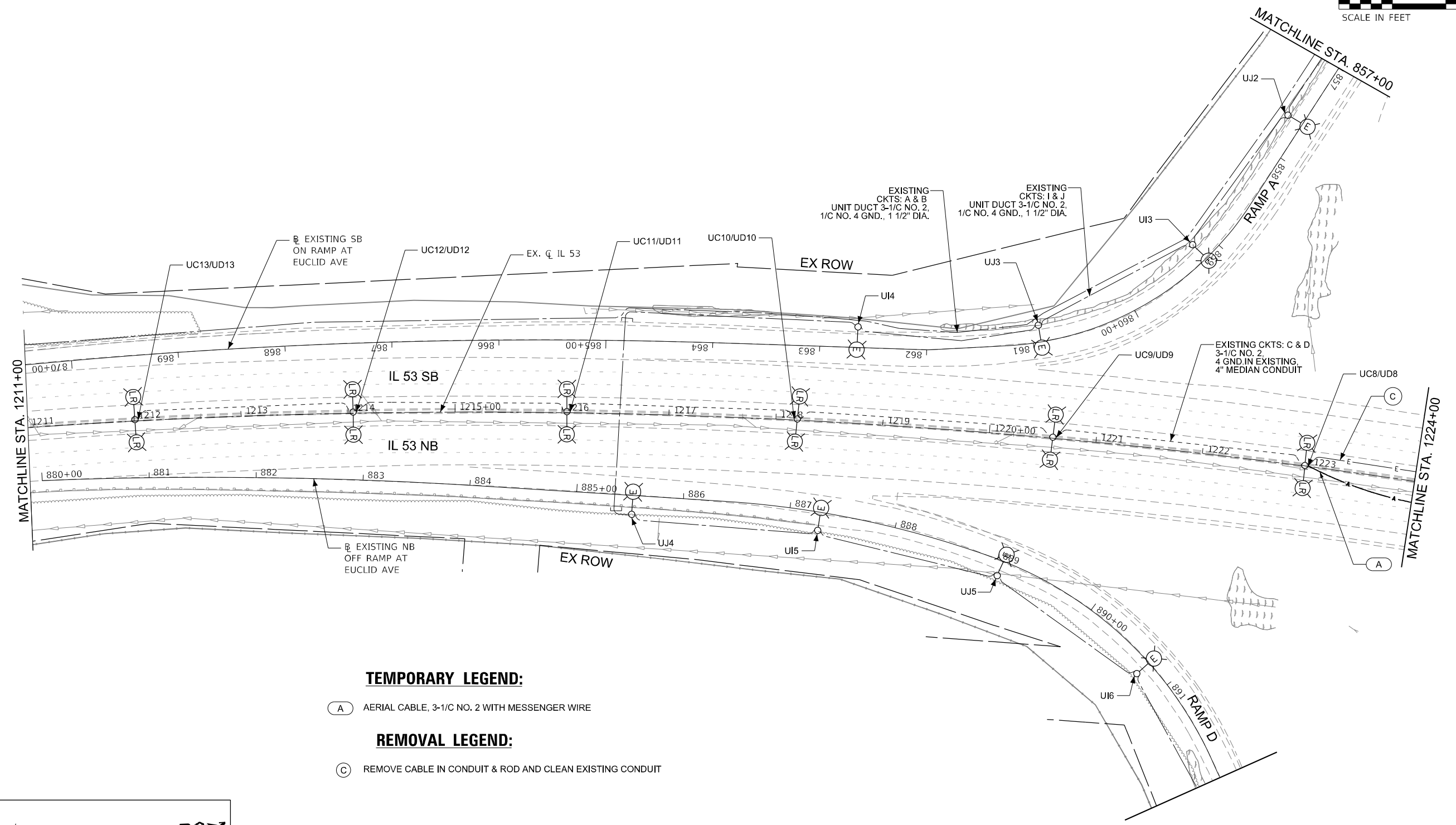
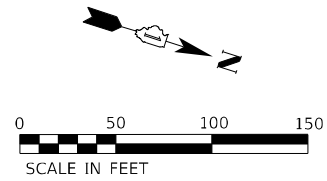
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL AND TEMPORARY LIGHTING PLAN

SCALE: 1:50 SHEET 2 OF 20 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	534
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

LT-04

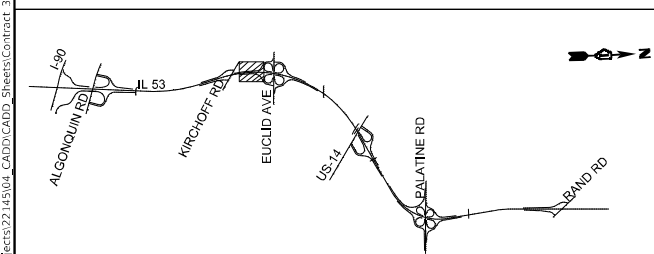


TEMPORARY LEGEND:

- (A) AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE

REMOVAL LEGEND:

- (C) REMOVE CABLE IN CONDUIT & ROD AND CLEAN EXISTING CONDUIT



KEY MAP

MODEL: Default
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USER NAME = vnuuruz	DESIGNED - MAG	REVISED -
	DRAWN - ML	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - MG/RP	REVISED -
PLOT DATE = 9/16/2024	DATE - 07/19/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**IL ROUTE 53
REMOVAL AND TEMPORARY LIGHTING PLAN**

SCALE: 1:50 SHEET 3 OF 20 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	535
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

TEMPORARY LEGEND:

(A) AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE

REMOVAL LEGEND:

(C) REMOVE CABLE IN CONDUIT & ROD AND CLEAN EXISTING CONDUIT



EXISTING
CKTS: I & J
UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

EXISTING
CKTS: A & B
UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

EXISTING
CONTROLLER "U"

EXISTING SB
ON RAMP AT
EUCLID AVE

EXISTING
CKTS: G & H
UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

EXISTING
CKTS: M & N
UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

EXISTING SB
OFF RAMP AT
EUCLID AVE

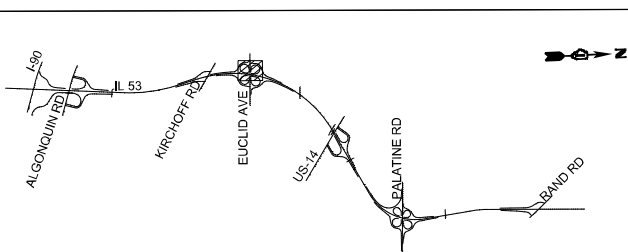
EXISTING
CKTS: K & L
UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

EXISTING CKTS: C & D
3-1/C NO. 2
4 GND. IN EXISTING
4" MEDIAN CONDUIT

EXISTING
CKTS: G & H
UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

EXISTING
CKTS: K & L
UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

KEY MAP



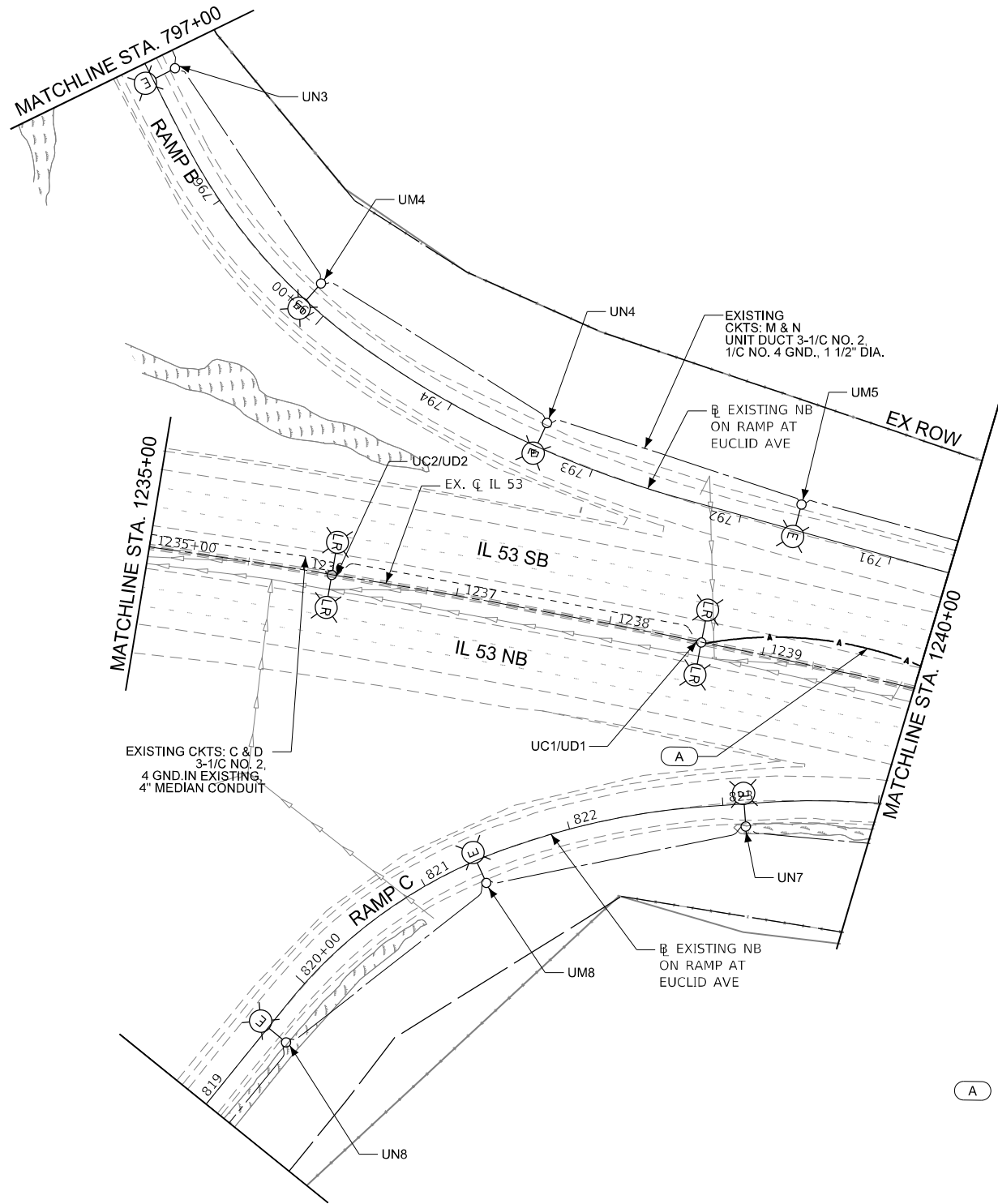
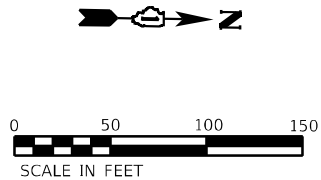
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL AND TEMPORARY LIGHTING PLAN

SCALE: 1:50 SHEET 4 OF 20 SHEETS STA. TO STA.

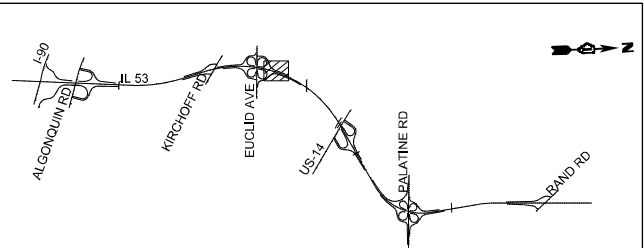
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	536
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

LT-06



TEMPORARY LEGEND:

(A) AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE



KEY MAP

Model: Default
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PLOT DATE	= 9/16/2024

DESIGNED	- MAG
DRAWN	- ML
CHECKED	- MG/RP
DATE	- 07/19/2024

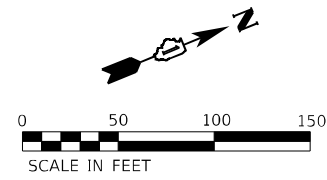
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REVISED	-
REVISED	-

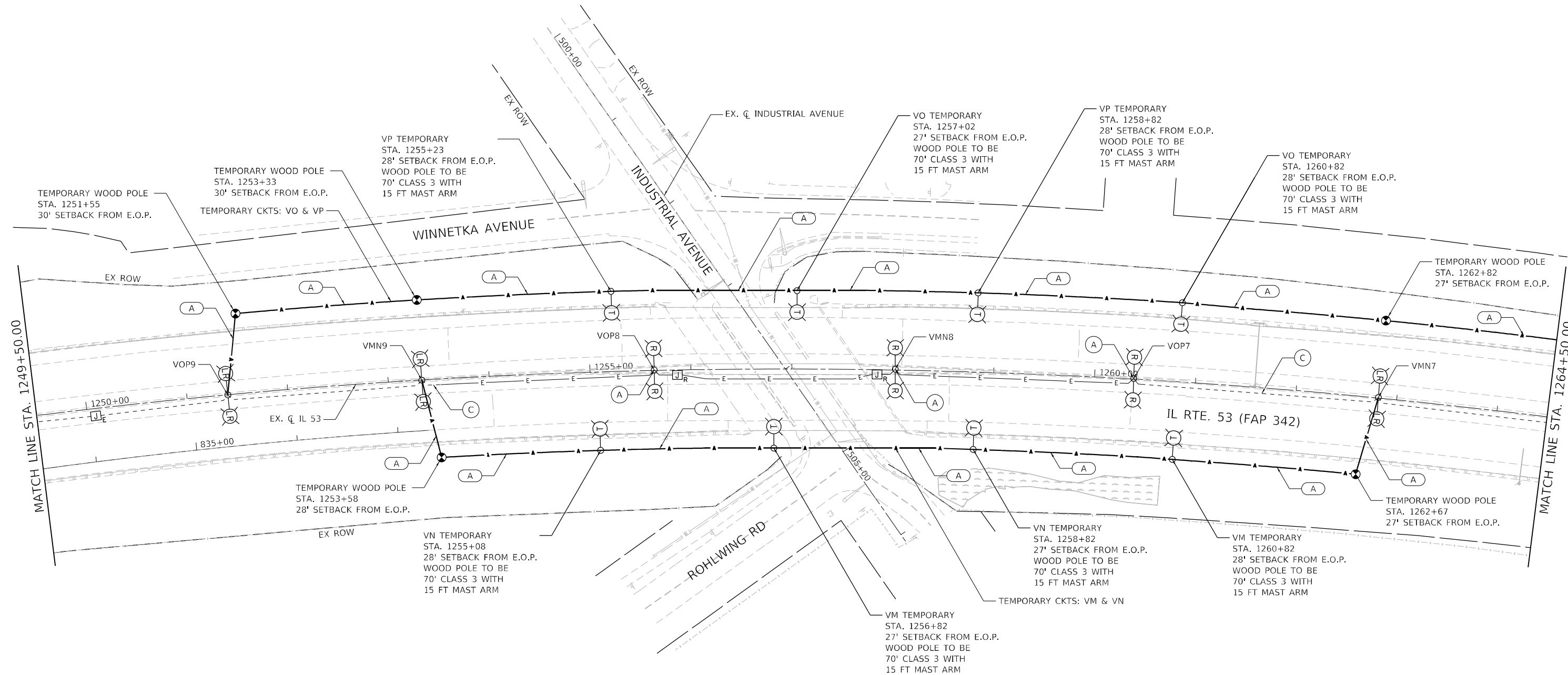
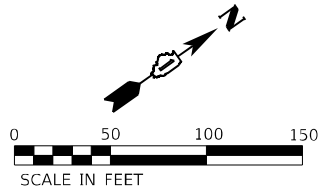
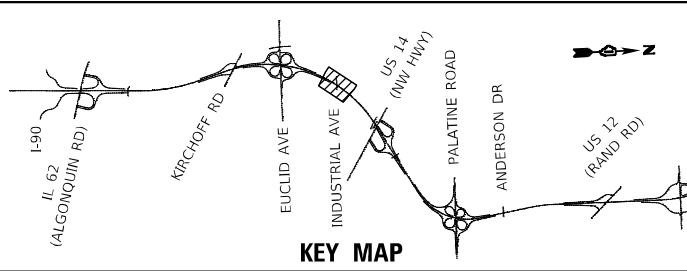
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL AND TEMPORARY LIGHTING PLAN

SCALE: 1:50 SHEET 5 OF 20 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	537
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				





REMOVAL LEGEND:

- (A) EXISTING LIGHT POLE, MAST ARM, LUMINAIRE, AND FOUNDATION TO BE REMOVED. REMOVAL AND REPLACEMENT OF MEDIAN MOUNTED LIGHTING UNITS SHALL BE DONE IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC DRAWINGS. LIGHTING UNIT SHALL REMAIN OPERATIONAL UNTIL TEMPORARY LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.
- (C) REMOVE CABLE IN CONDUIT AND ROD & CLEAN EXISTING CONDUIT

TEMPORARY LEGEND:

- (A) AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE

MODEL: Default
FILE NAME: 311001E300-6399E3461131Drawings\CAD\Misc\SSACAD_Sheets\C3-0162W38.dht-light-removal-02153-S4.dgn



USER NAME = jackd	DESIGNED - AJR	REVISED -
	DRAWN - JED	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 9/20/2024	DATE - 8/23/2024	REVISED -

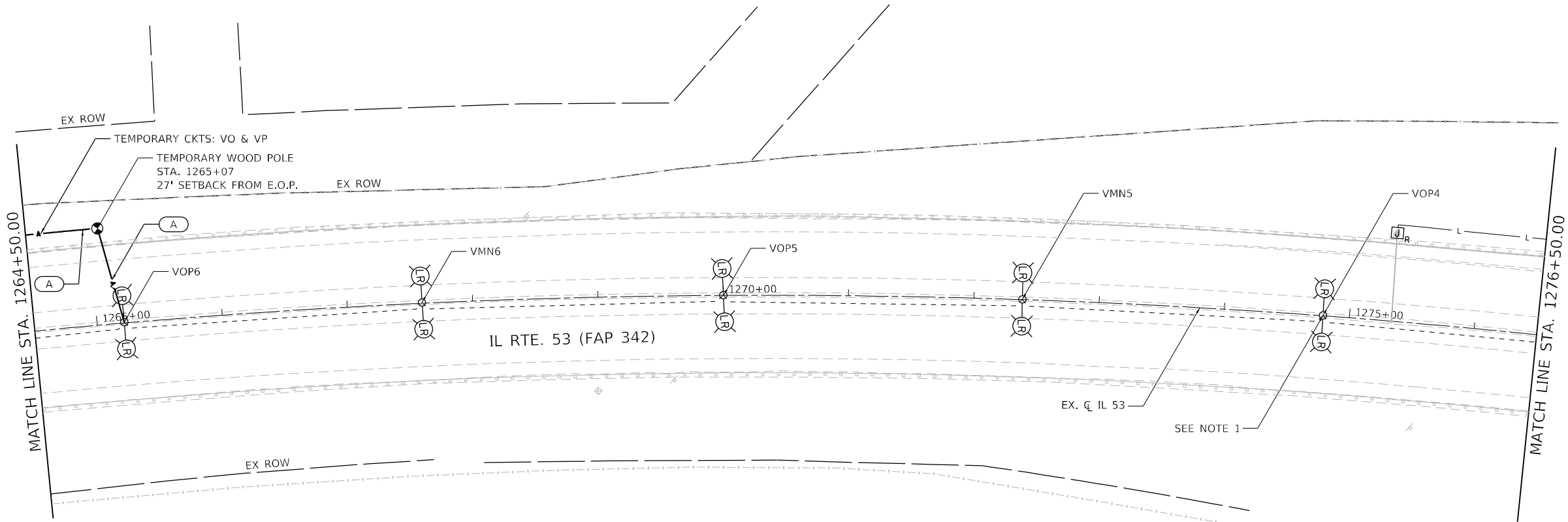
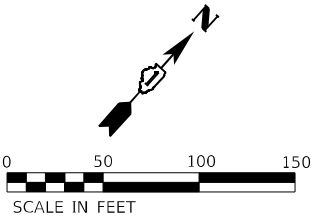
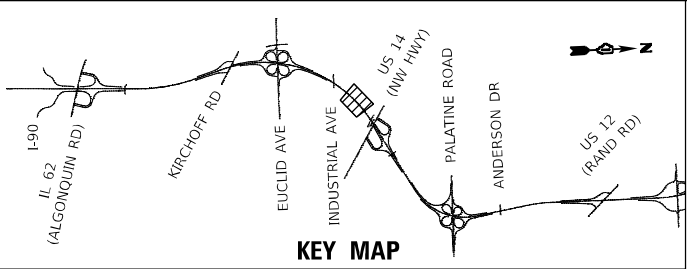
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL AND TEMPORARY LIGHTING PLAN

SCALE: 1" = 50' SHEET 7 OF 20 SHEETS STA. 1249+50.00 TO STA. 1264+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	539
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

LT-09



TEMPORARY LEGEND:

A AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE

NOTES:

1. SEE SEPARATE TEMPORARY LIGHTING PLANS FOR STAGED TEMPORARY LIGHTING PLAN AT US 14 (NORTHWEST HIGHWAY) BRIDGE.

MODEL: Default
FILE NAME: S:\00-6300-6300\6300\13\Drawings\CADD\Micro-SSA\CAO_Sheets\C3-0162W38.dht-light-removal-03153-SAL.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jackd	DESIGNED - AJR	REVISED -
DRAWN - JED	REVISED -	
PLOT SCALE = 100,0000 ' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 9/20/2024	DATE - 8/23/2024	REVISED -

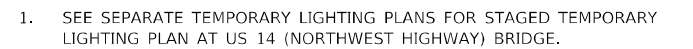
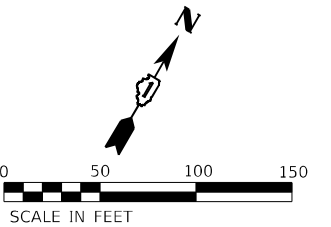
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

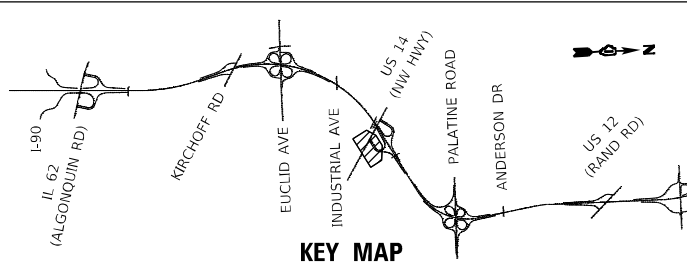
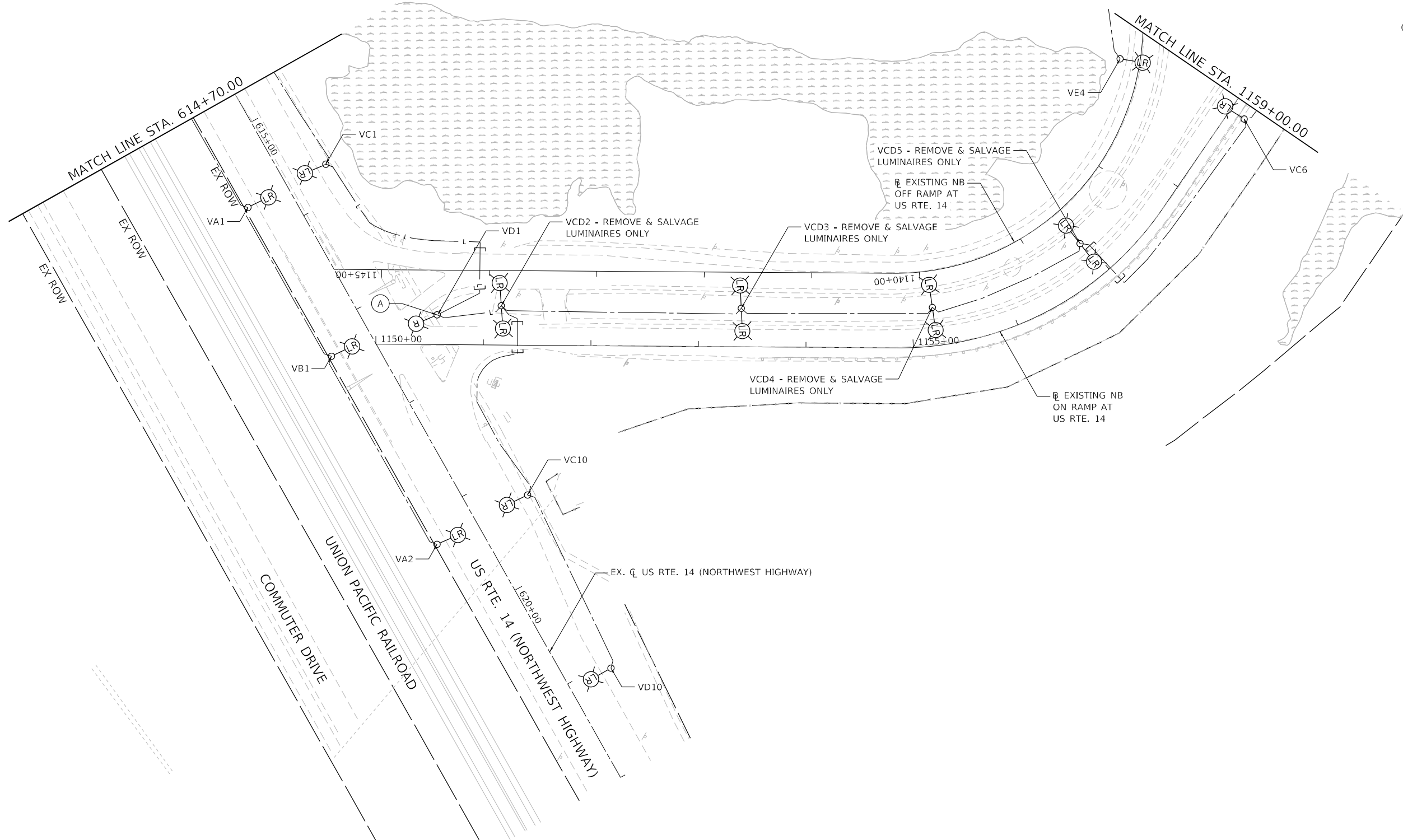
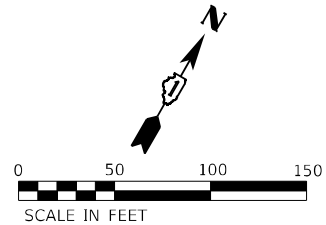
IL ROUTE 53
REMOVAL AND TEMPORARY LIGHTING PLAN

SCALE: 1" = 50' SHEET 8 OF 20 SHEETS STA. 1264+50.00 TO STA. 1276+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	540
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

LT-10





REMOVAL LEGEND:

- (A) EXISTING LIGHT POLE, MAST ARM, LUMINAIRE, AND FOUNDATION TO BE REMOVED. REMOVAL AND REPLACEMENT OF MEDIAN MOUNTED LIGHTING UNITS SHALL BE DONE IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC DRAWINGS. LIGHTING UNIT SHALL REMAIN OPERATIONAL UNTIL TEMPORARY LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.

MODEL: Default
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DATE: 9/20/2024



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

KEY MAP

USER NAME	= jackd
PLOT SCALE	= 100,0000 ' / in.
PLOT DATE	= 9/20/2024

DESIGNED	-	AJR
DRAWN	-	JED
CHECKED	-	RGT
DATE	-	8/23/2024

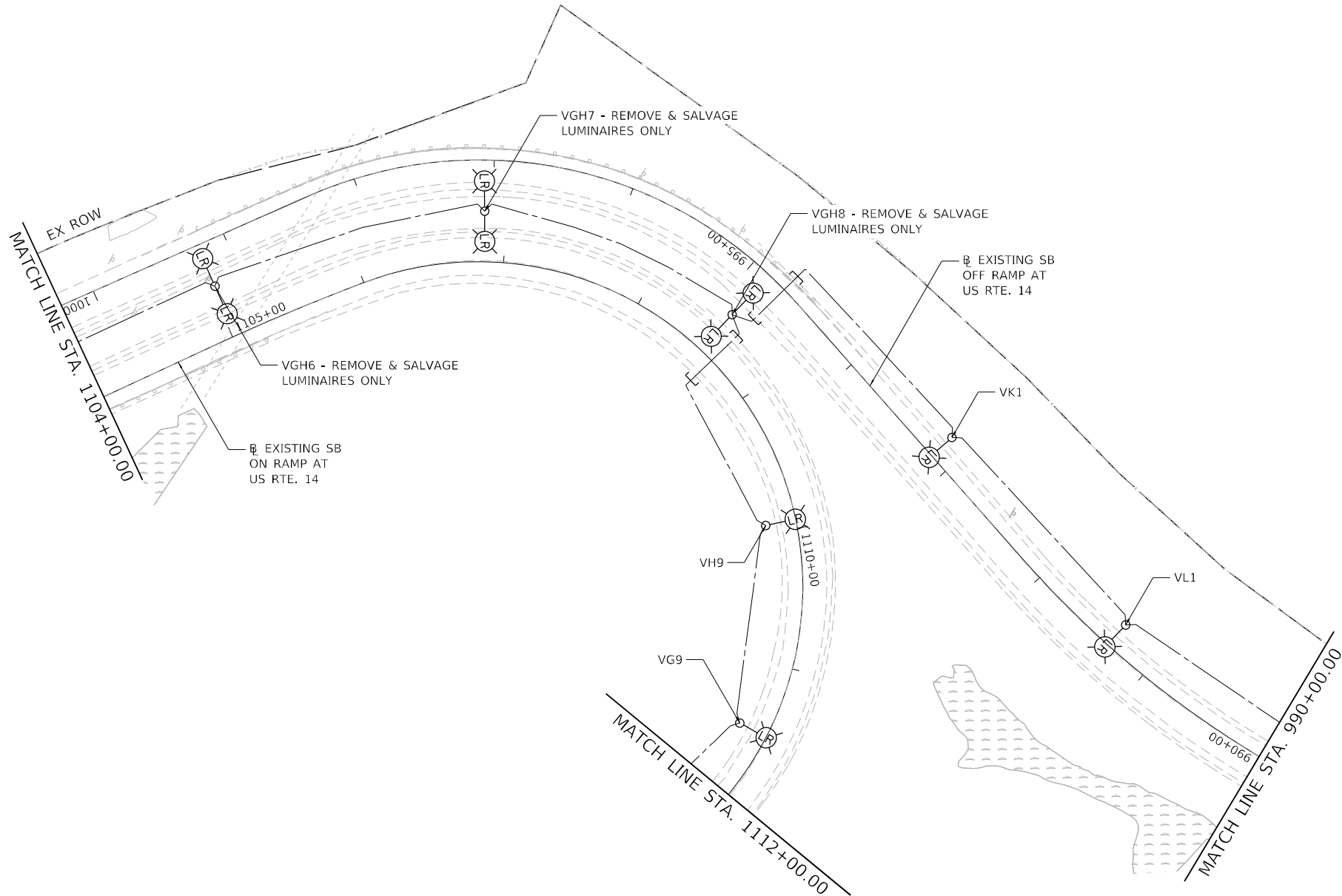
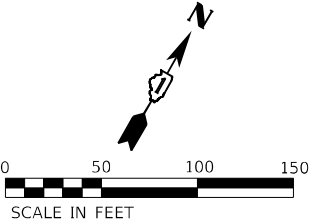
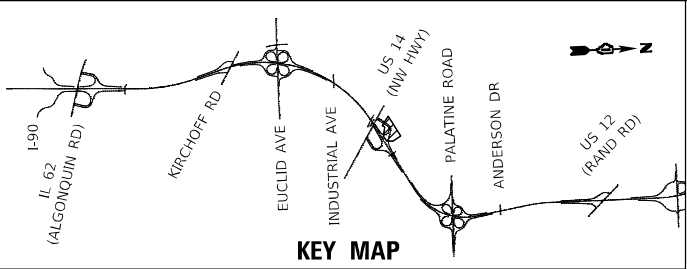
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REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**IL ROUTE 53
REMOVAL AND TEMPORARY LIGHTING PLAN**

SCALE:	1" = 50'
SHEET	10
OF	20
SHEETS	
STA.	1276+50.00
TO STA.	1291+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	542
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				



MODEL: Default
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

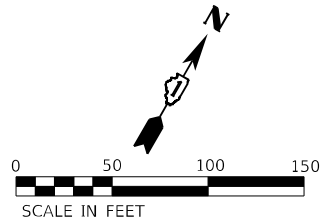
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	DRAWN - JED	REVISED -
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PLOT DATE = 9/20/2024	DATE - 8/23/2024	REVISED -

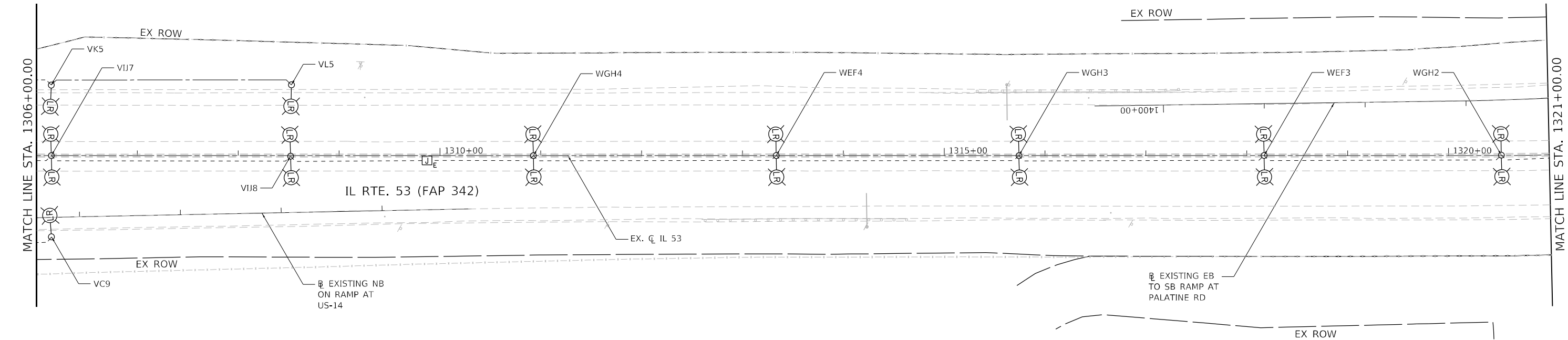
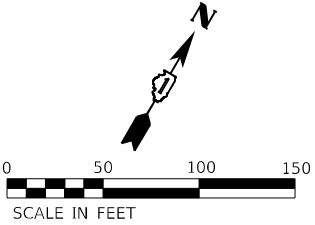
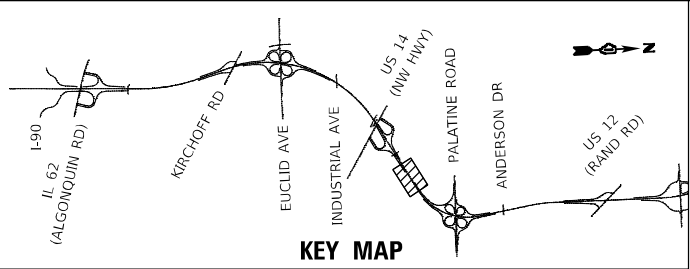
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL AND TEMPORARY LIGHTING PLAN

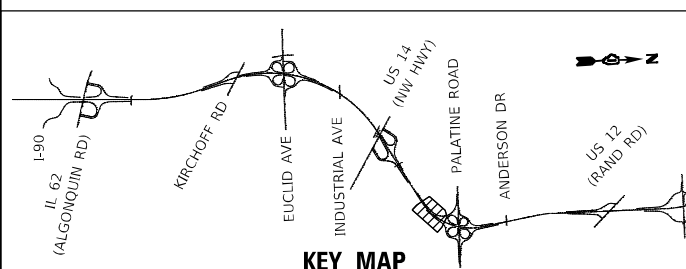
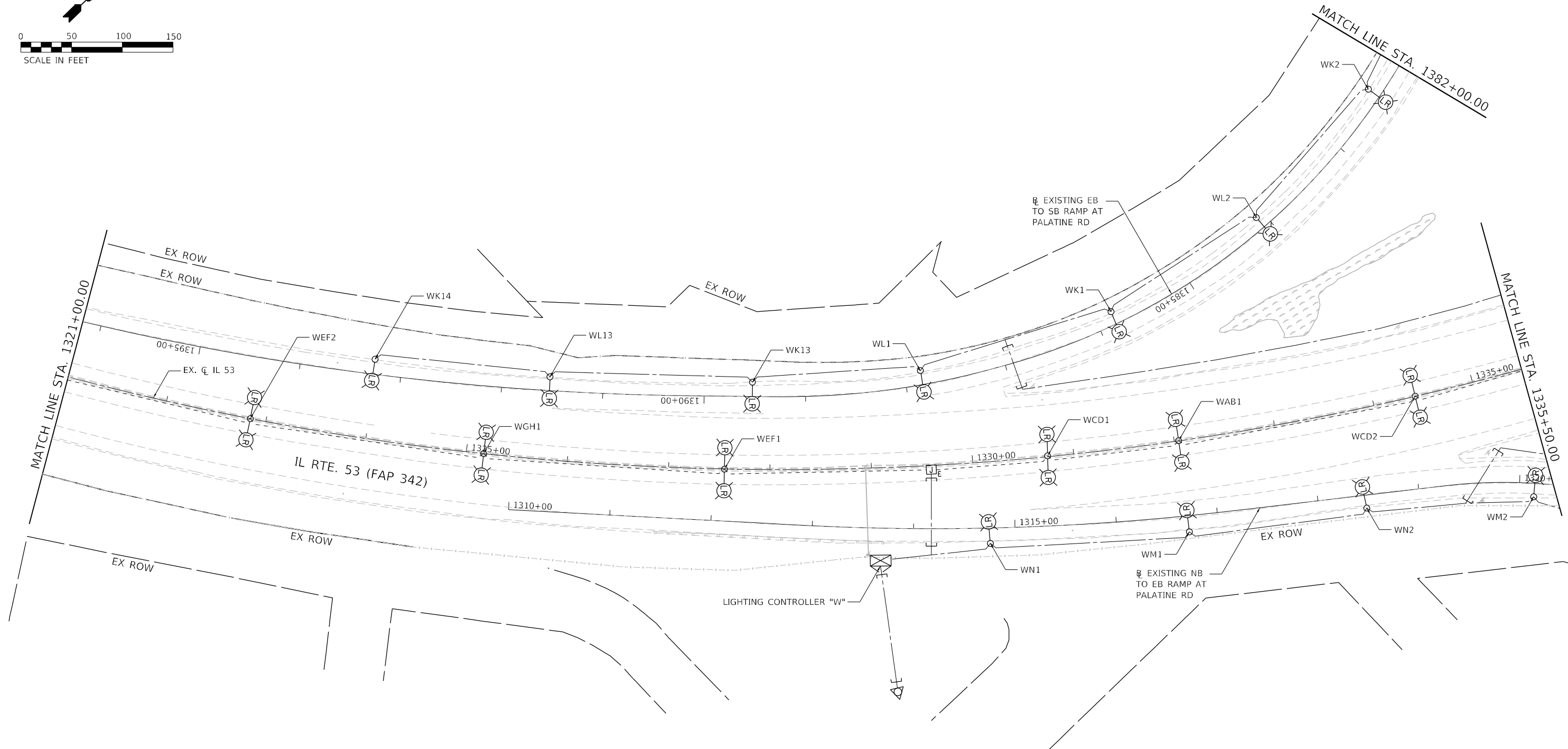
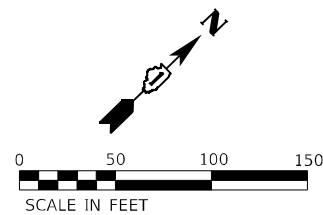
SCALE: 1" = 50' SHEET 11 OF 20 SHEETS STA. 1276+50.00 TO STA. 1291+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	543
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				





MODEL: Default
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KEY MAP

USER NAME = jackd	DESIGNED - AJR	REVISED -
	DRAWN - JED	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 8/23/2024	DATE - 8/23/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

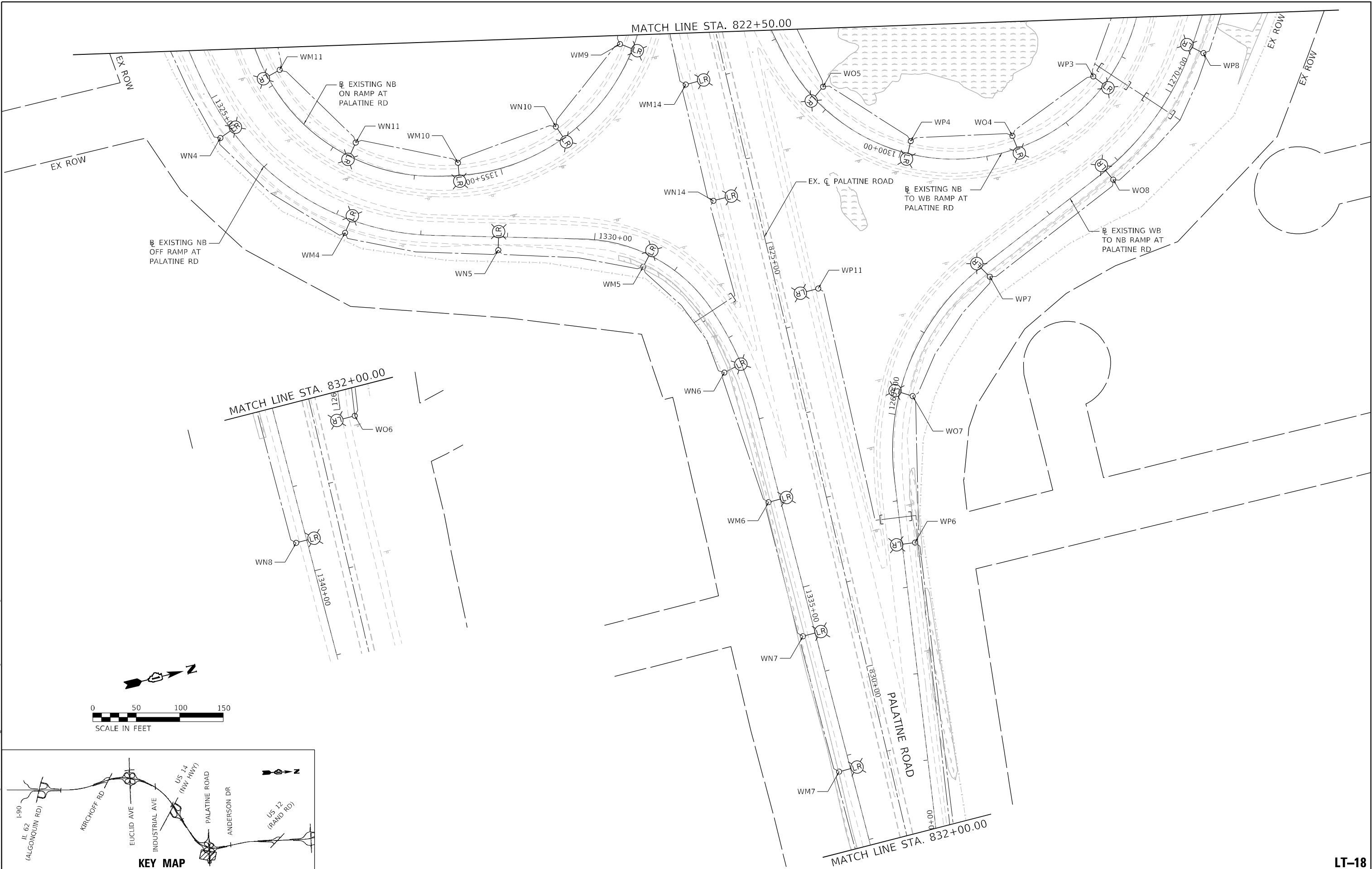
IL ROUTE 53 REMOVAL AND TEMPORARY LIGHTING PLAN

SCALE: 1" = 50'	SHEET 14 OF 20 SHEETS	STA. 1321+00.00 TO STA. 1335+50.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	546
		CONTRACT NO. 62W38		
ILLINOIS		FED. AID PROJECT		

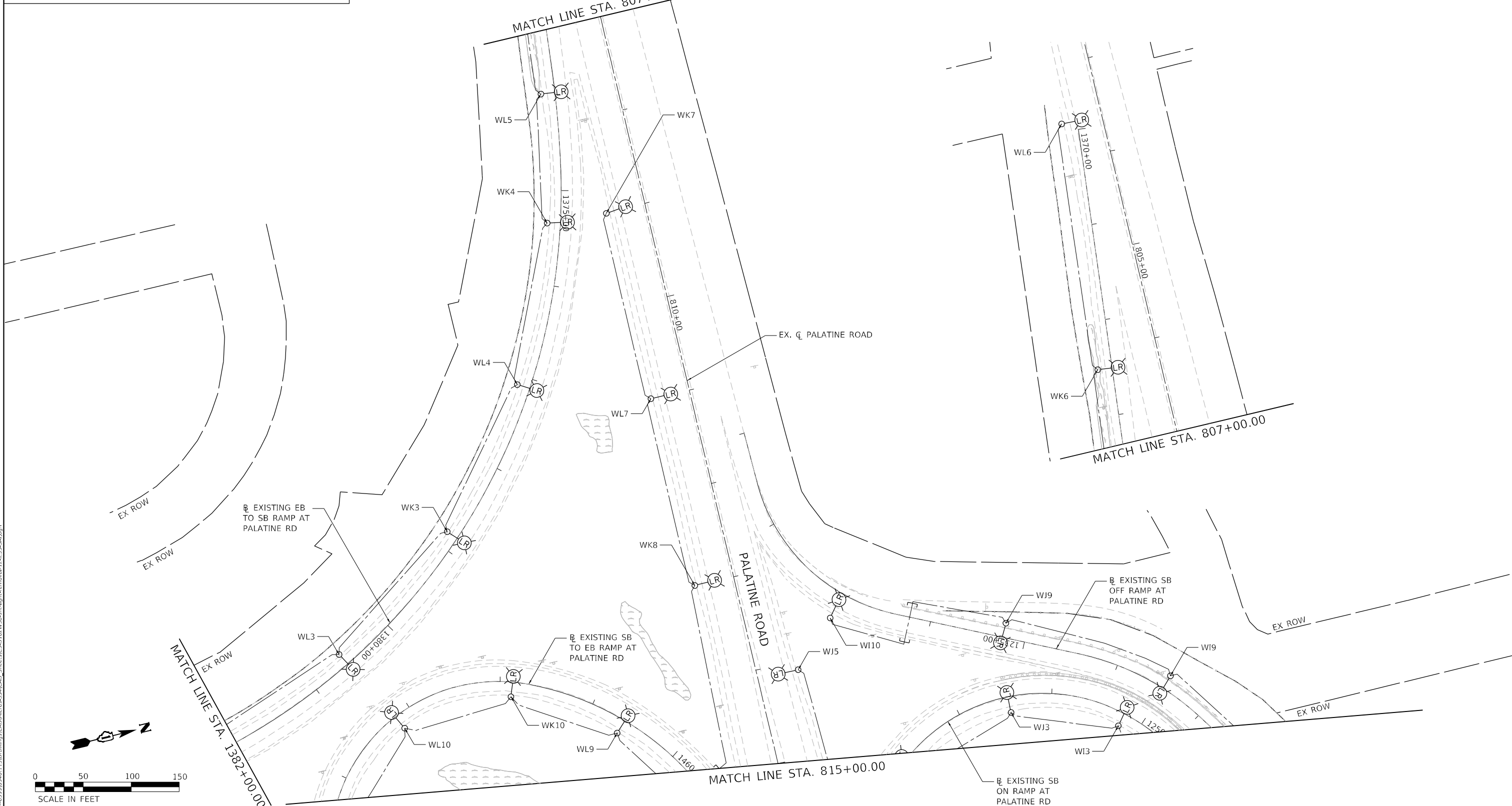
LT-16

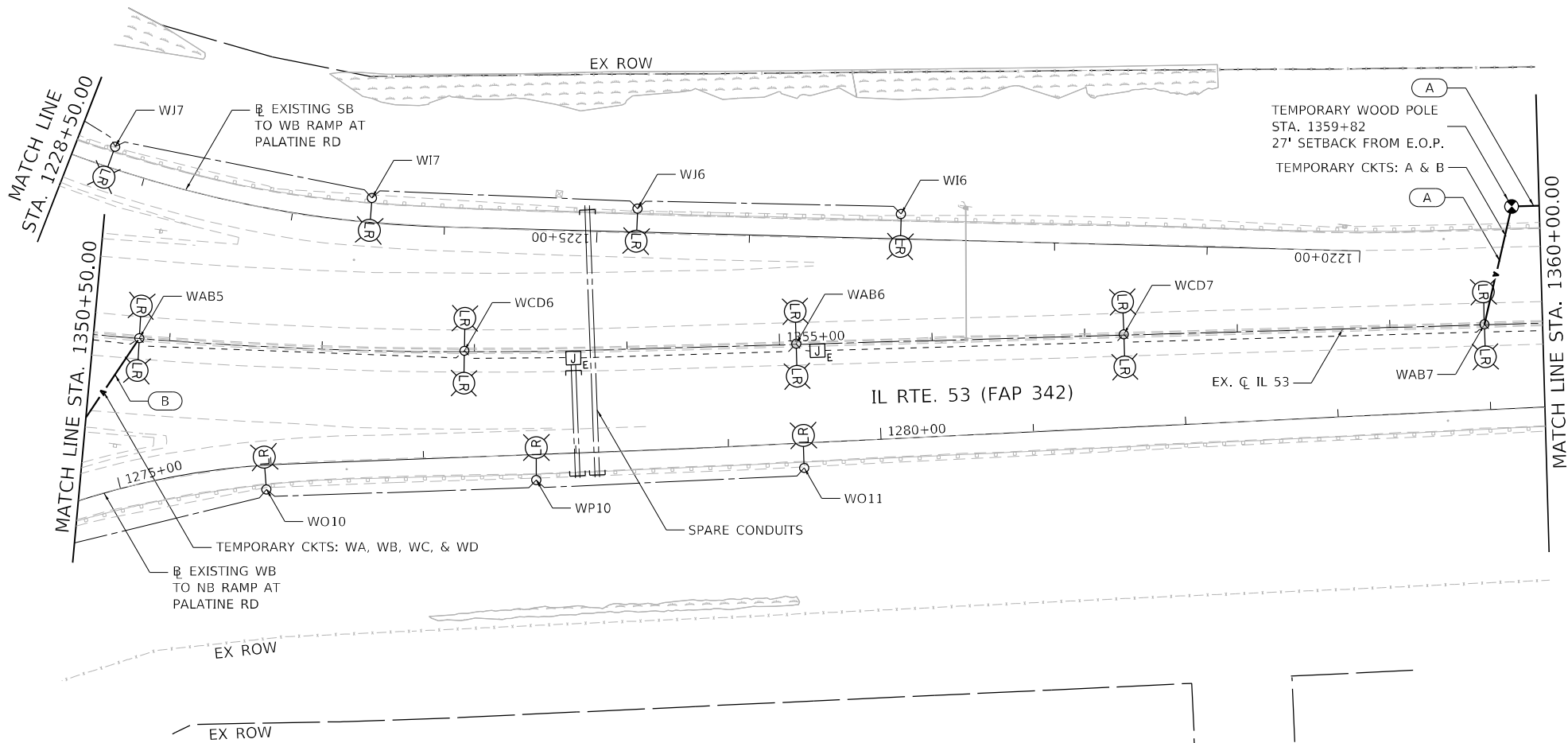
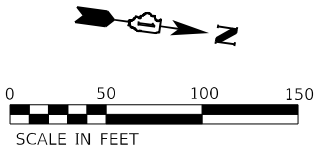
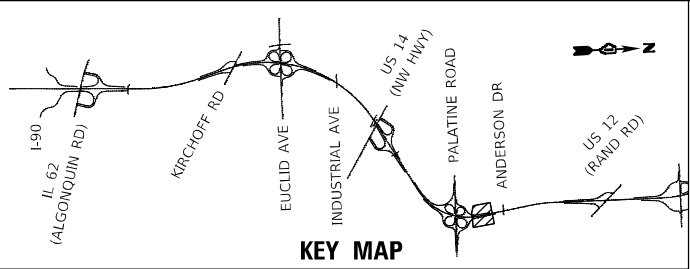
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LT-18

<div><div><div><div><div><div></div><div>SA</div></div></div><div><div><div></div><div>STRAND</div></div><div><div>ASSOCIATES</div></div></div><div><div>1170 SOUTH HOUBOLT ROAD</div><div>JOLIET, ILLINOIS 60431</div><div>(815) 744-4200</div></div></div></div></div>	USER NAME = JackD		DESIGNED - AJR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 53 REMOVAL AND TEMPORARY LIGHTING PLAN		F.A.P. RTE. 342	SECTION (531) BR 23	COUNTY COOK	TOTAL SHEETS 1211	SHEET NO. 548
	PLOT SCALE = 100,0000 ' / in.		DRAWN - JED	REVISED -		SCALE: 1" = 50'		SHEET 16 OF 20 SHEETS		CONTRACT NO. 62W38		
	PLOT DATE = 8/23/2024		CHECKED - RGT	REVISED -		STA. 1335+50.00 TO STA. 1350+50.00		ILLINOIS		FED. AID PROJECT		
			DATE - 8/23/2024	REVISED -								





TEMPORARY LEGEND:

- A AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE
- B 2 - AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE

MODEL: D:\p01\11300-6399\346113\Drawings\CAD\Misc\SSA\CAO_Sheets\C3-D\62W38.dwg; light-tempo.dwg 13J153.S4L.dgn
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SA

STRAND ASSOCIATES™

1170 SOUTH HOUBOLT ROAD

JOLIET, ILLINOIS 60431

(815) 744-4200

USER NAME = JackD

DRAWN - JED

PLOT SCALE = 100,0000 ' / in.

PLOT DATE = 8/23/2024

DESIGNED - AJR

CHECKED - RGT

DATE - 8/23/2024

REVISED -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

IL ROUTE 53

REMOVAL AND TEMPORARY LIGHTING PLAN

SCALE: 1" = 50'

SHEET 18 OF 20 SHEETS

STA. 1350+50.00 TO STA. 1360+00.00

F.A.P. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

342

(531) BR 23

COOK

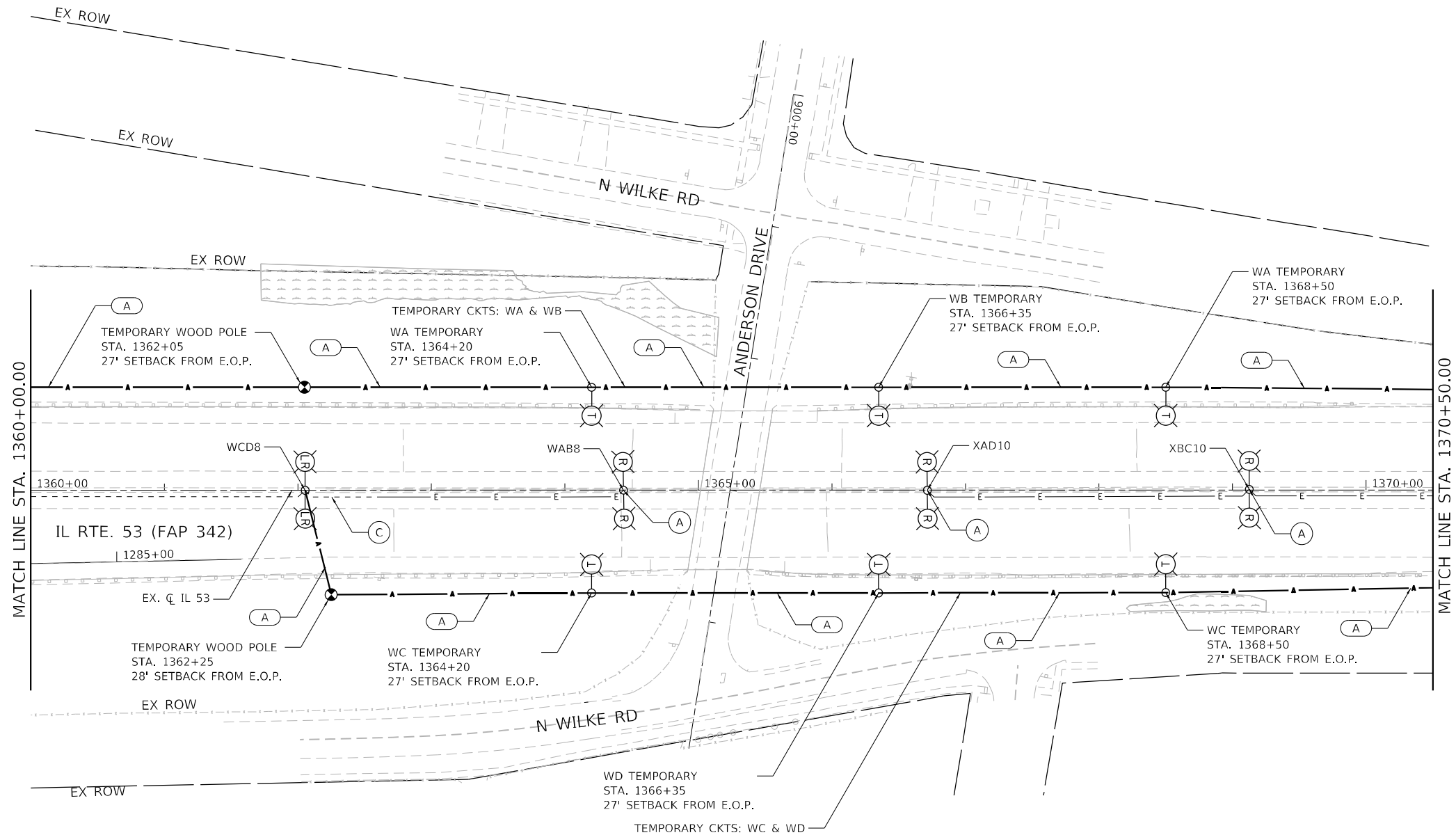
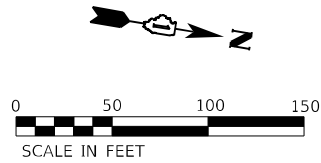
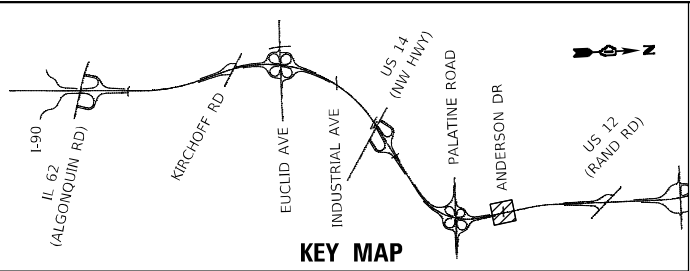
1211

550

CONTRACT NO. 62W38

ILLINOIS

FED. AID PROJECT



REMOVAL LEGEND:

- (A) EXISTING LIGHT POLE, MAST ARM, LUMINAIRE, AND FOUNDATION TO BE REMOVED. REMOVAL AND REPLACEMENT OF MEDIAN MOUNTED LIGHTING UNITS SHALL BE DONE IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC DRAWINGS. LIGHTING UNIT SHALL REMAIN OPERATIONAL UNTIL TEMPORARY LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.
- (C) REMOVE CABLE IN CONDUIT AND ROD & CLEAN EXISTING CONDUIT

TEMPORARY LEGEND:

- (A) AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE

MODEL: Default
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jackd	DESIGNED - AJR	REVISED -
	DRAWN - JED	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 9/20/2024	DATE - 8/23/2024	REVISED -

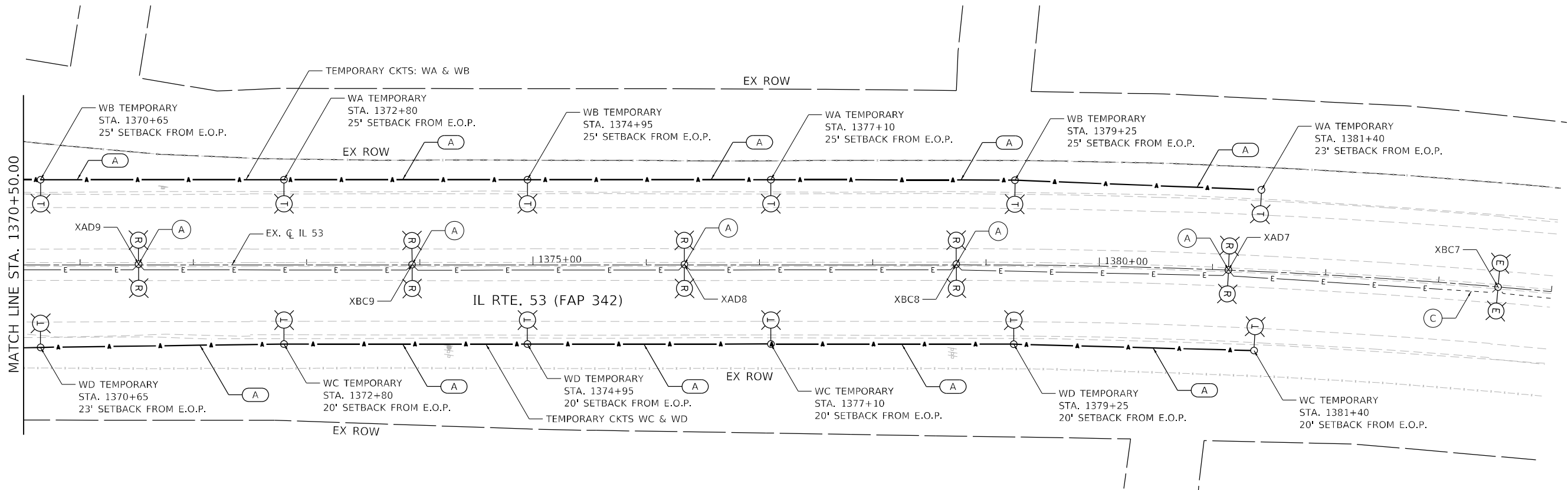
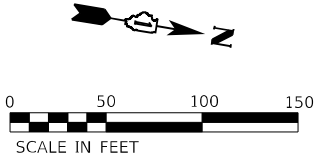
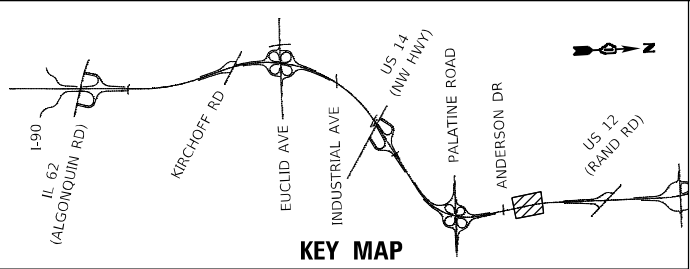
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL AND TEMPORARY LIGHTING PLAN

SCALE: 1" = 50' SHEET 19 OF 20 SHEETS STA. 1360+00.00 TO STA. 1370+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	551
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

LT-21



REMOVAL LEGEND:

- (A) EXISTING LIGHT POLE, MAST ARM, LUMINAIRE, AND FOUNDATION TO BE REMOVED. REMOVAL AND REPLACEMENT OF MEDIAN MOUNTED LIGHTING UNITS SHALL BE DONE IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC DRAWINGS. LIGHTING UNIT SHALL REMAIN OPERATIONAL UNTIL TEMPORARY LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.
- (C) REMOVE CABLE IN CONDUIT AND ROD & CLEAN EXISTING CONDUIT

TEMPORARY LEGEND:

- (A) AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE

MODEL: Default
FILE NAME: 311016300-6399E34611310Drawing1CAD\\Micro-SSA\\CAD_Sheets\\C-3-0162W38.dht-light-temporal-151153-SAL.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

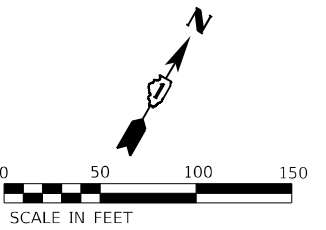
USER NAME = jackd	DESIGNED - AJR	REVISED -
	DRAWN - JED	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 9/20/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL AND TEMPORARY LIGHTING PLAN

SCALE: 1" = 50' SHEET 20 OF 20 SHEETS STA. 1370+50.00 TO STA. 1384+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	552
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				



- ☐ A AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE
- ☐ B 2 - AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE
- ☐ C AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE
- ☐ E ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- ☐ F 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE

LT-23

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

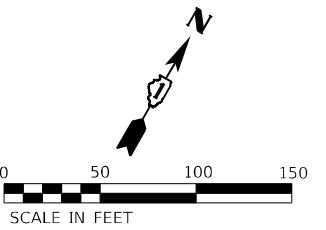
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	DRAWN - JED	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 9/23/2024	DATE - 8/23/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 53 AT US ROUTE 14 (NORTHWEST HIGHWAY) PRESTAGE TEMPORARY LIGHTING PLANS

SCALE: 1" = 50'	SHEET 1 OF 5 SHEETS	STA. 1276+50.00 TO STA. 1291+00.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	553
		CONTRACT NO. 62W38		
ILLINOIS		FED. AID PROJECT		



1. SEE PREVIOUS TEMPORARY LIGHTING SHEETS FOR TEMPORARY LIGHTING ITEMS TO BE INSTALLED DURING PREVIOUS STAGES. NEW STAGE OF TEMPORARY LIGHTING MUST BE ENERGIZED PRIOR TO THE SHIFT TO A NEW TRAFFIC PATTERN.
2. ITEM SHALL BE REMOVED BY (62X55) AT THE END OF THIS STAGE.
3. SEE PROPOSED LIGHTING PLANS FOR DETAILS OF PROPOSED LIGHTING.
4. LIGHTING CONDITIONS BENEATH US RTE. 14 (NW HWY) BRIDGE OMITTED FOR CLARITY ON THIS PAGE.

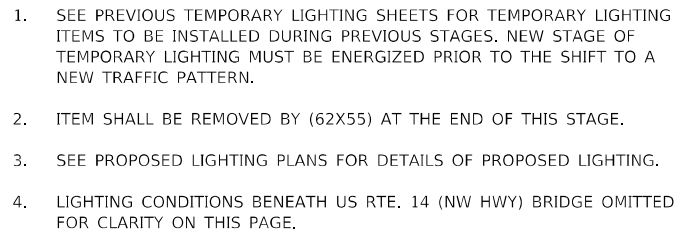
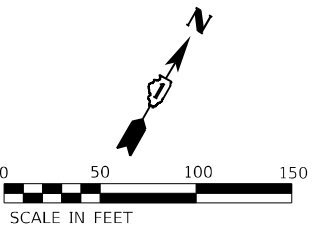
USER NAME = jackd	DESIGNED - AJR	REVISED -
	DRAWN - JED	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 9/23/2024	DATE - 8/23/2024	REVISED -

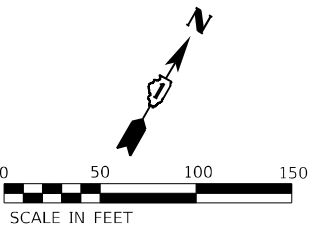
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53 AT US ROUTE 14 (NORTHWEST HIGHWAY) STAGE 1 TEMPORARY LIGHTING PLANS

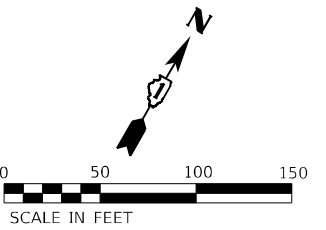
SCALE: 1" = 50'	SHEET 2 OF 5 SHEETS	STA. 1276+50.00 TO STA. 1291+00.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	554
		CONTRACT NO. 62W38		
ILLINOIS		FED. AID PROJECT		





1. SEE PREVIOUS TEMPORARY LIGHTING SHEETS FOR TEMPORARY LIGHTING ITEMS TO BE INSTALLED DURING PREVIOUS STAGES. NEW STAGE OF TEMPORARY LIGHTING MUST BE ENERGIZED PRIOR TO THE SHIFT TO A NEW TRAFFIC PATTERN.
2. ITEM SHALL BE REMOVED BY (62X55) AT THE END OF THIS STAGE.
3. SEE PROPOSED LIGHTING PLANS FOR DETAILS OF PROPOSED LIGHTING.
4. LIGHTING CONDITIONS BENEATH US RTE. 14 (NW HWY) BRIDGE OMITTED FOR CLARITY ON THIS PAGE.

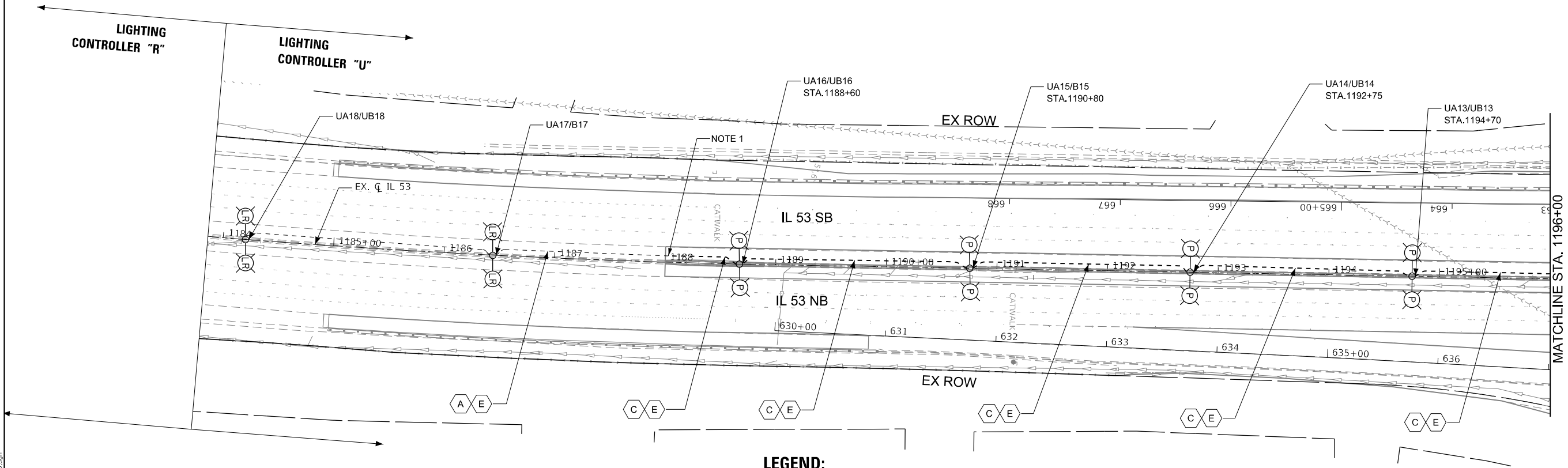
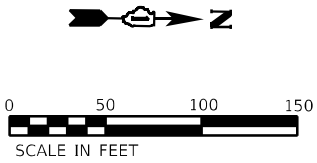


1. SEE PREVIOUS TEMPORARY LIGHTING SHEETS FOR TEMPORARY LIGHTING ITEMS TO BE INSTALLED DURING PREVIOUS STAGES. NEW STAGE OF TEMPORARY LIGHTING MUST BE ENERGIZED PRIOR TO THE SHIFT TO A NEW TRAFFIC PATTERN.
2. ITEM SHALL BE REMOVED BY (62X55) AT THE END OF THIS STAGE.
3. SEE PROPOSED LIGHTING PLANS FOR DETAILS OF PROPOSED LIGHTING.
4. LIGHTING CONDITIONS BENEATH US RTE. 14 (NW HWY) BRIDGE OMITTED FOR CLARITY ON THIS PAGE.

IL ROUTE 53 AT US ROUTE 14 (NORTHWEST HIGHWAY) STAGE 4 TEMPORARY LIGHTING PLANS

SCALE: 1" = 50'	SHEET 5 OF 5 SHEETS	STA. 1276+50.00 TO STA. 1291+00.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	557
		CONTRACT NO. 62W38		
ILLINOIS		FED. AID PROJECT		

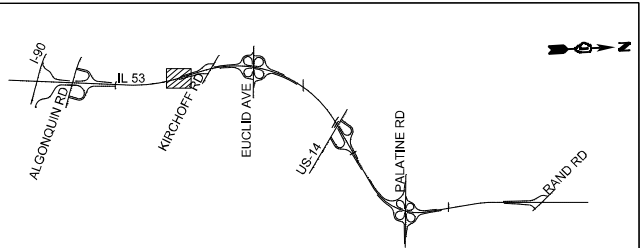


LEGEND:

- (A) EXISTING CONDUIT
- (B) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (C) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (D) UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- (E) ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- (F) ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- (G) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
- (H) 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
- (I) CONDUIT ATTACHED TO STRUCTURE, 2" DIA. PVC COATED GALVANIZED STEEL

NOTES:

1. PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT



KEY MAP

MODEL: Default
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USER NAME = vnuñez	DESIGNED - MAG	REVISED -
	DRAWN - ML	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MG/RP	REVISED -
PLOT DATE = 9/20/2024	DATE - 07/19/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
PROPOSED LIGHTING PLAN

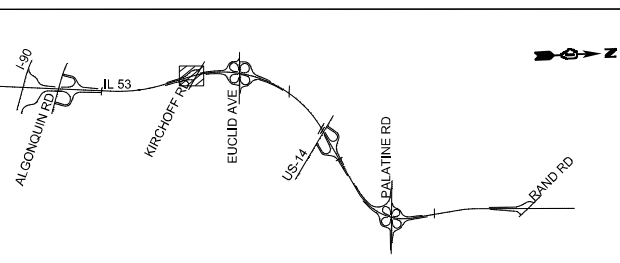
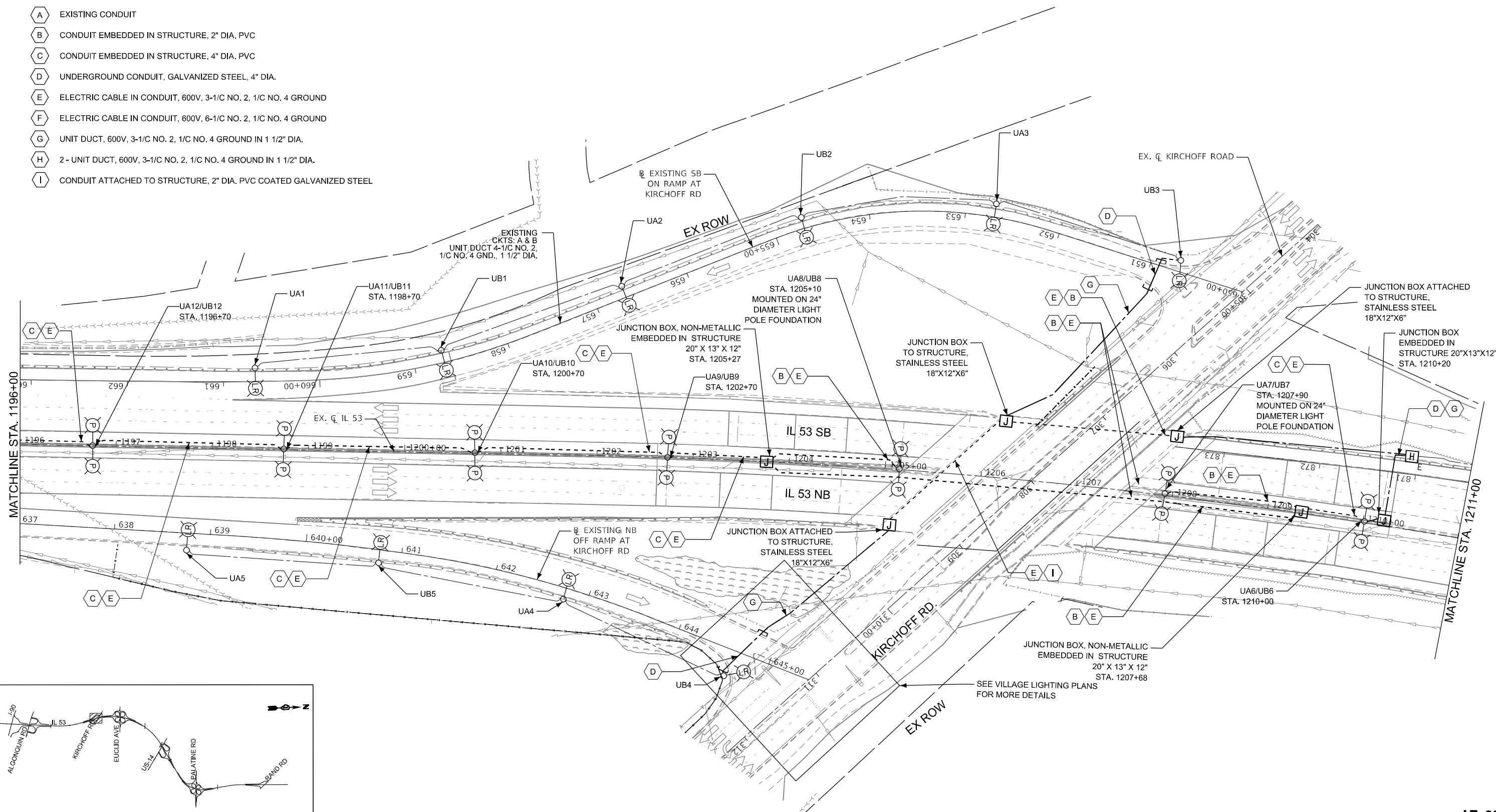
SCALE: 1:50 SHEET 1 OF 20 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	558
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				



LEGEND:

- (A) EXISTING CONDUIT
- (B) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (C) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (D) UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- (E) ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- (F) ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- (G) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
- (H) 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
- (I) CONDUIT ATTACHED TO STRUCTURE, 2" DIA. PVC COATED GALVANIZED STEEL



KEY MAP

MODEL: Default
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DESIGNED	- MAG
DRAWN	- ML
PLOT SCALE	= 100,000' / in.
PLOT DATE	= 9/16/2024

REVISD	-
REVISD	-
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REVISD	-

CHECKED	- MG/RP
DATE	- 07/19/2024

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

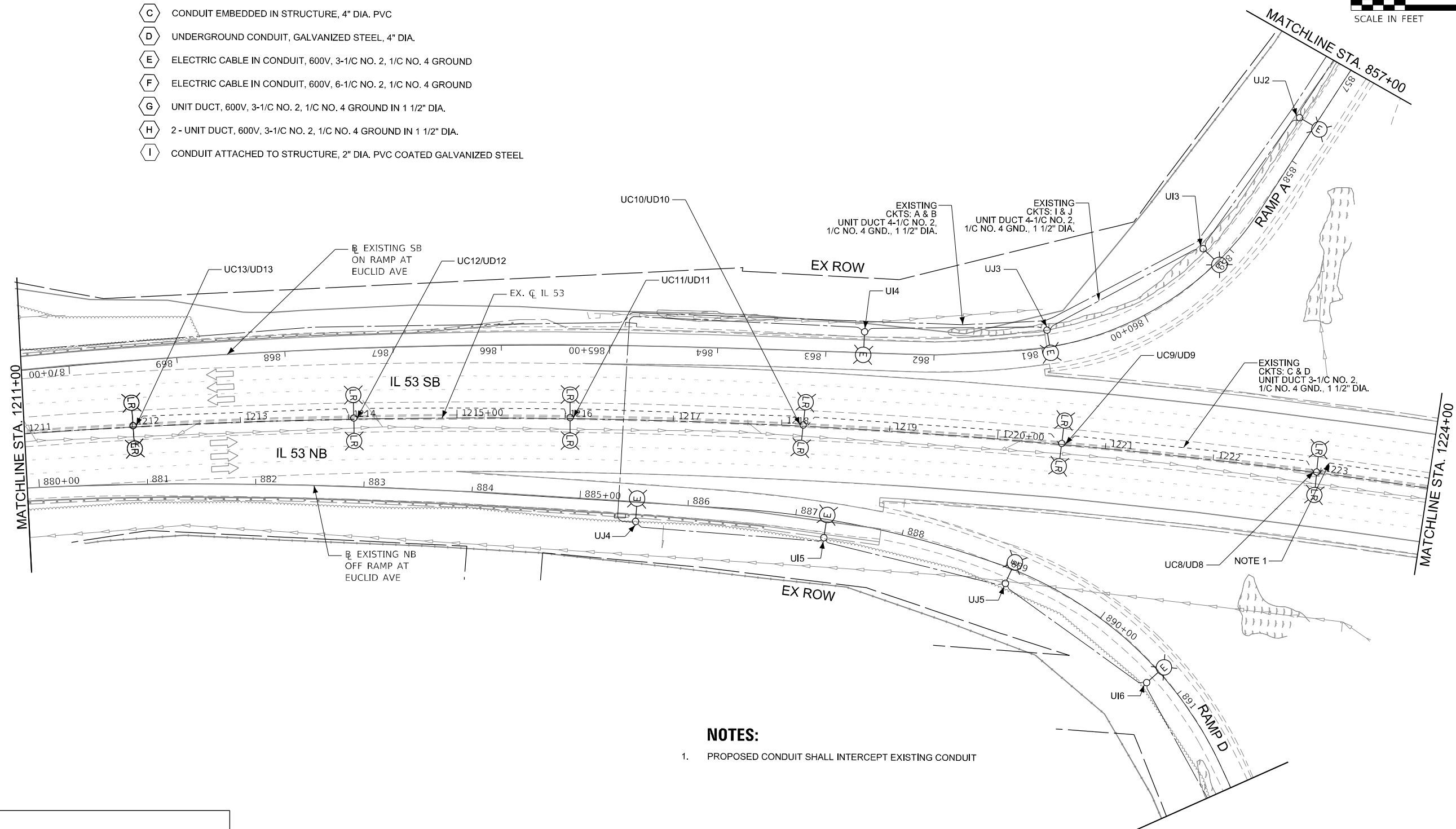
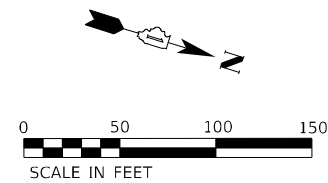
IL ROUTE 53
PROPOSED LIGHTING PLAN

SCALE: 1:50 SHEET 2 OF 20 SHEETS STA. TO STA.

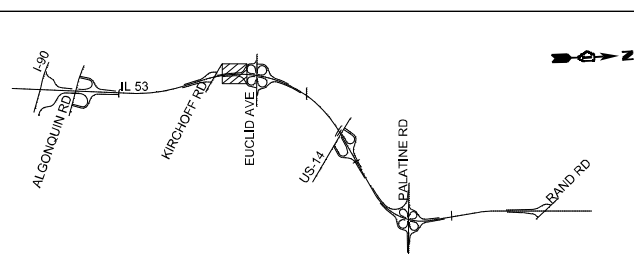
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	559
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

LT-29

A	EXISTING CONDUIT
B	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
C	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
D	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
E	ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
F	ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
G	UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
H	2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
I	CONDUIT ATTACHED TO STRUCTURE, 2" DIA. PVC COATED GALVANIZED STEEL



1. PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT



KEY MAP



EXISTING
CKTS: I & J
UNIT DUCT 4-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

EXISTING CONTROLLER "U"

EXISTING SB
ON RAMP AT
EUCLID AVE

EXISTING
CKTS: M & N
UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

EXISTING SB
OFF RAMP AT
EUCLID AVE

EXISTING
CKTS: A & B
UNIT DUCT 4-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

EXISTING
CKTS: K & L
UNIT DUCT 4-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

EXISTING
CKTS: C & D
UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA. (TYP.)

EXISTING
CKTS: K & L
UNIT DUCT 4-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

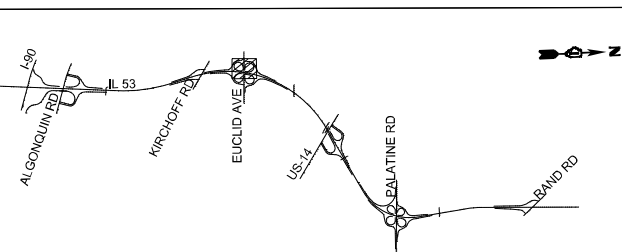
EXISTING
CKTS: G & H
UNIT DUCT 4-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.

NOTES:

- PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT

LEGEND:

- A EXISTING CONDUIT
- B CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
- H 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
- I CONDUIT ATTACHED TO STRUCTURE, 2" DIA. PVC COATED GALVANIZED STEEL



KEY MAP

SINGH
SINGH & ASSOCIATES INC.
CONSULTING ENGINEERS

USER NAME = vnuirez
DESIGNED - MAG
DRAWN - ML
PLOT SCALE = 100,0004' / in.
CHECKED - MG/RP
PLOT DATE = 8/22/2024
DATE - 07/19/2024

REVISD -
REVISD -
REVISD -
REVISD -

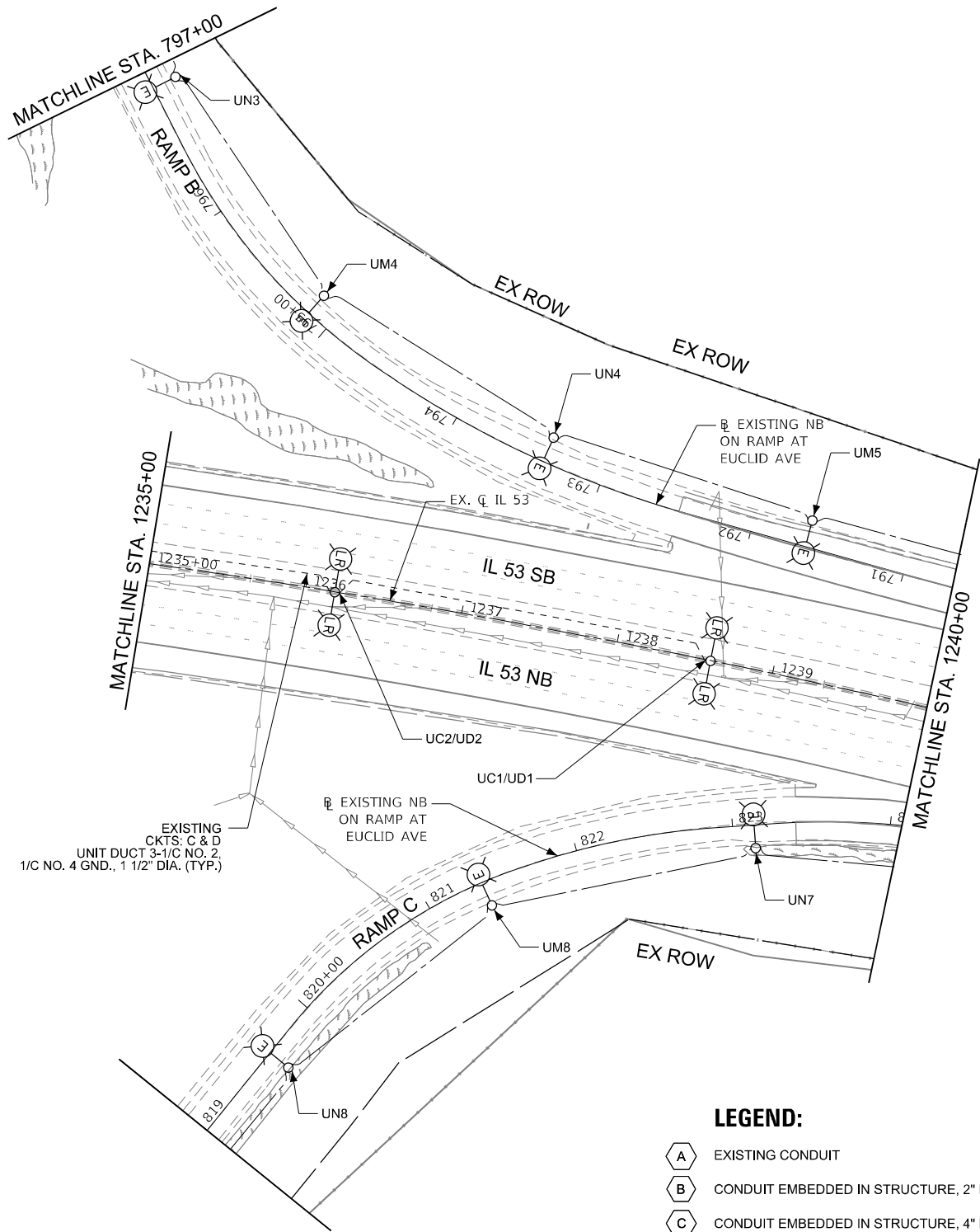
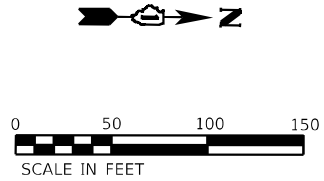
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
PROPOSED LIGHTING PLAN

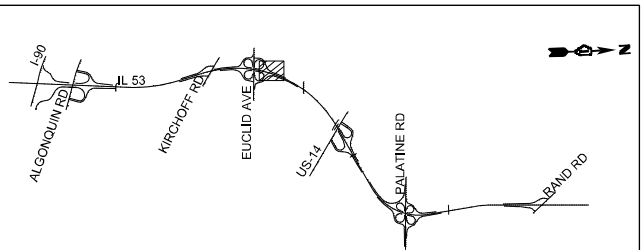
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	561
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

LT-31



- LEGEND:**
- A** EXISTING CONDUIT
 - B** CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
 - C** CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
 - D** UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
 - E** ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
 - F** ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
 - G** UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
 - H** 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
 - I** CONDUIT ATTACHED TO STRUCTURE, 2" DIA. PVC COATED GALVANIZED STEEL



KEY MAP



USER NAME	= vnuñez
PLOT SCALE	= 100,0000 ' / in.
PLOT DATE	= 8/22/2024

DESIGNED	- MAG
DRAWN	- ML
CHECKED	- MG/RP
DATE	- 07/19/2024

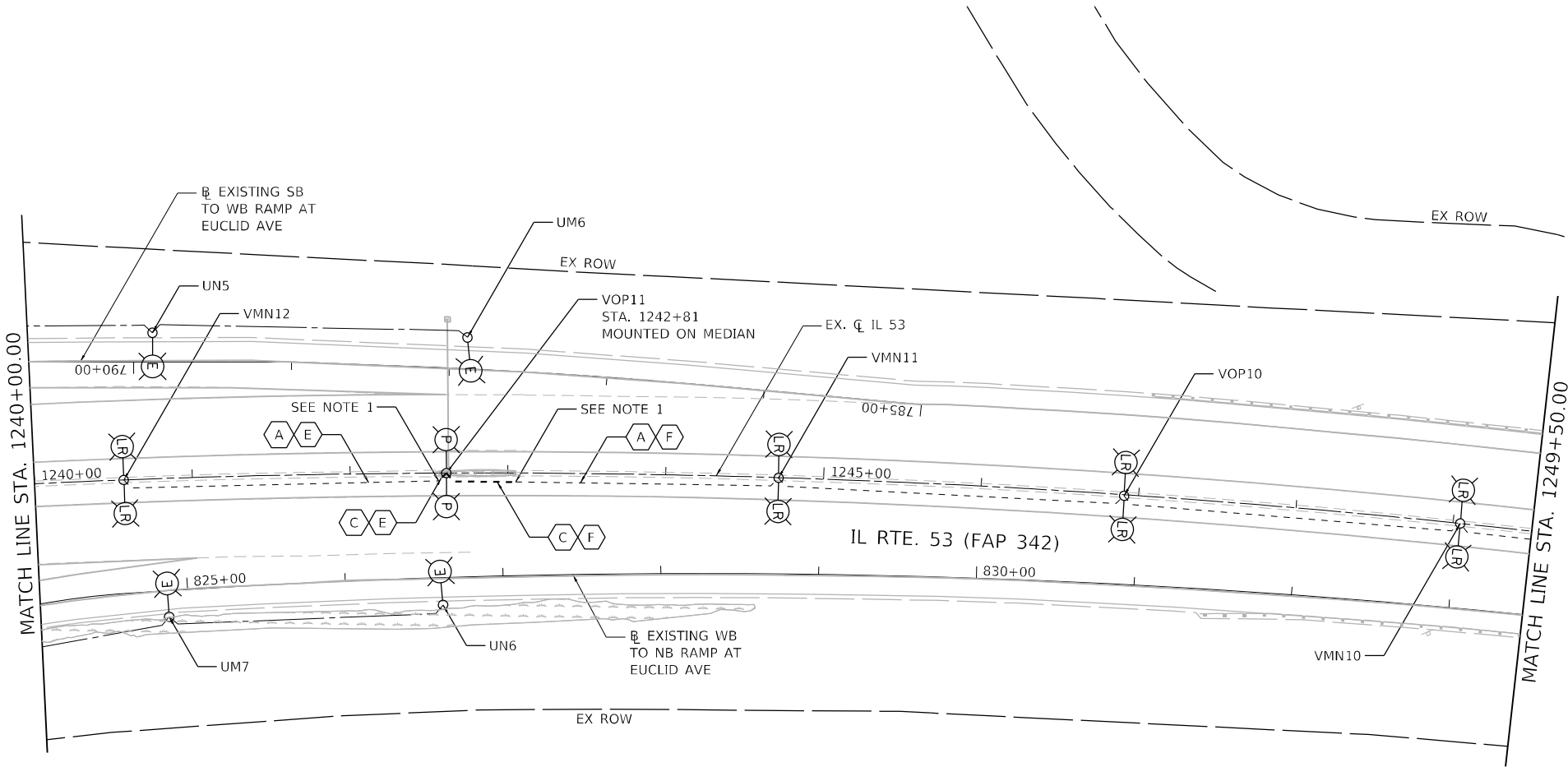
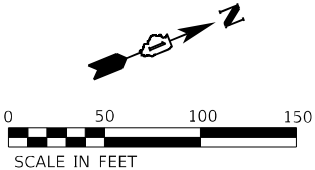
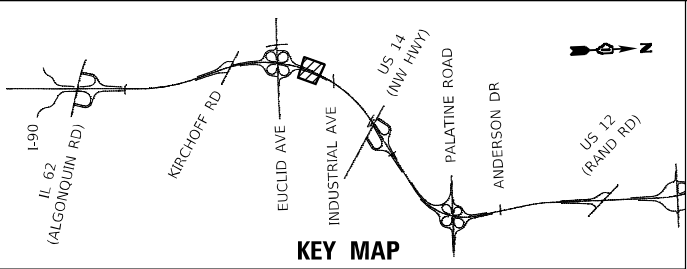
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
PROPOSED LIGHTING PLAN

SCALE: 1:50 SHEET 5 OF 20 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	562
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				



PROPOSED LEGEND:

- A** EXISTING CONDUIT
- B** CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C** CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D** UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E** ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F** ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G** UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- H** 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- I** CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL

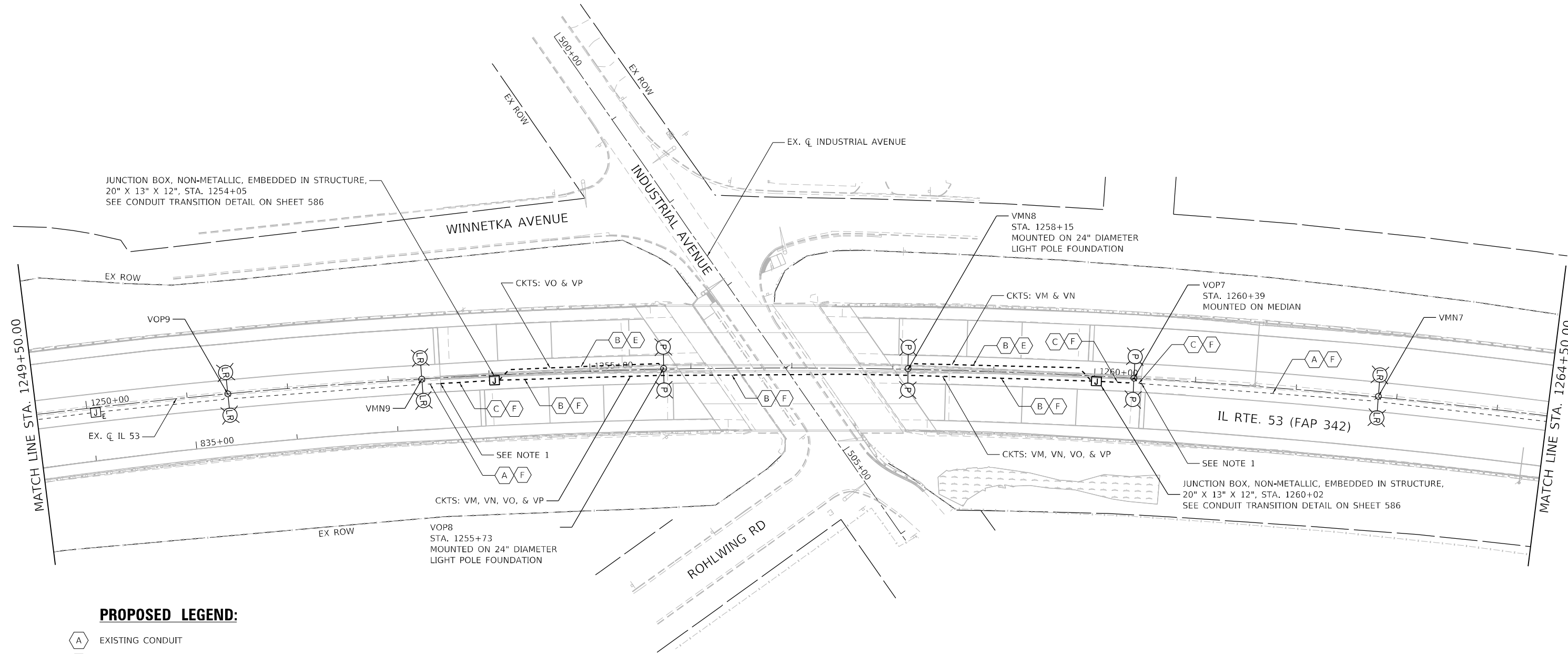
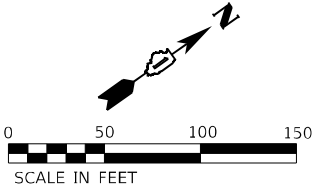
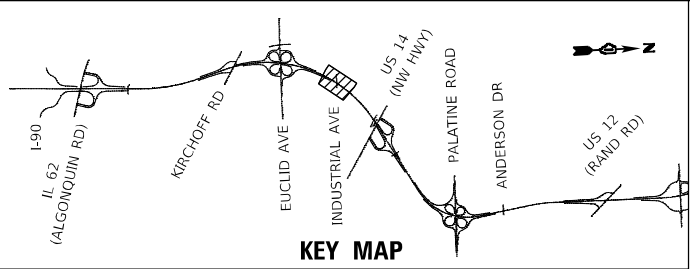
NOTES:

- PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT.
- FOR CONDUIT TO BE EMBEDDED IN THE OVERHEAD SIGN STRUCTURE FOUNDATION AT MEDIAN BARRIER WALL SEE BE-322

LT-33

MODEL: Default
FILE NAME: S:\00-63000-63000\63000\113\Drawings\CADD\Micro-SSA\CAO_Sheets\C3-0162W38.dgn
FILE NAME: S:\00-63000-63000\63000\113\Drawings\CADD\Micro-SSA\CAO_Sheets\C3-0162W38.dgn

<div><div><div><div><div><div></div><div>SA</div></div></div><div><div><div></div><div>STRAND</div><div>ASSOCIATES®</div></div></div></div><div><div>1170 SOUTH HOUBOLT ROAD</div><div>JOLIET, ILLINOIS 60431</div><div>(815) 744-4200</div></div></div></div>	USER NAME = jackd			DESIGNED - AJR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 53 PROPOSED LIGHTING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - JED			CHECKED - RGT	REVISED -		SCALE: 1" = 50'			342	(531) BR 23	COOK	1211	563
	PLOT SCALE = 100,0000 ' / in.			DATE - 8/23/2024	REVISED -		SHEET 6 OF 20 SHEETS			CONTRACT NO. 62W38				
	PLOT DATE = 9/20/2024						STA. 1240+00.00 TO STA. 1249+50.00			ILLINOIS FED. AID PROJECT				



PROPOSED LEGEND:

- A EXISTING CONDUIT
- B CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- H 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- I CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL

NOTES:

- 1. PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT.

MODEL: Default
FILE NAME: S:\00-63000-63000\63000\13\Drawings\CDM\Micro-SSA\CAD_Sheets\C3-0162W38-eh-light-prop-02-IL-53-S4.dgn

SA

1170 SOUTH HOUBOLT ROAD

JOLIET, ILLINOIS 60431

(815) 744-4200

STRAND ASSOCIATES®

USER NAME = JackD

DESIGNED - AJR

REVISED -

DRAWN - JED

REVIS

REVISED -

PLOT SCALE = 100,0000 ' / in.

CHECKED - RGT

REVISED -

PLOT DATE = 8/23/2024

DATE - 8/23/2024

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
PROPOSED LIGHTING PLAN

SCALE: 1" = 50'

SHEET 7 OF 20 SHEETS

STA. 1249+50.00 TO STA. 1264+50.00

F.A.P. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

342

(531) BR 23

COOK

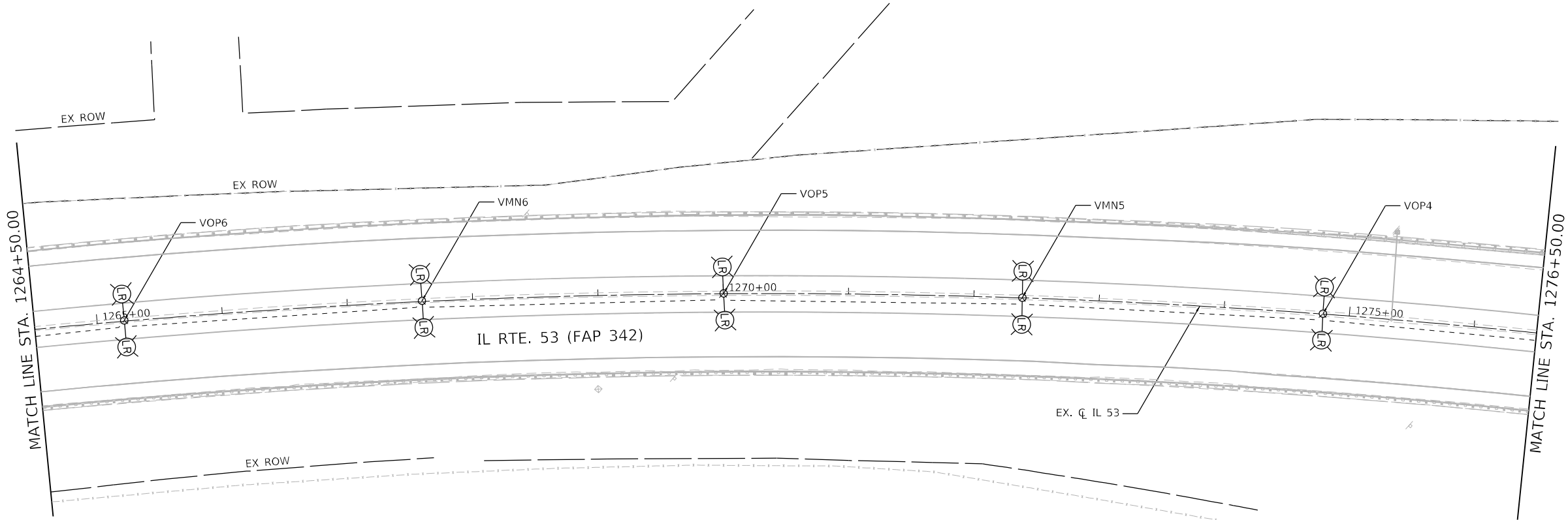
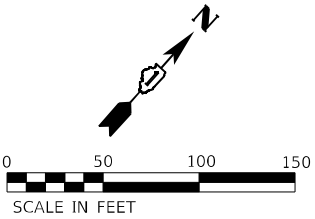
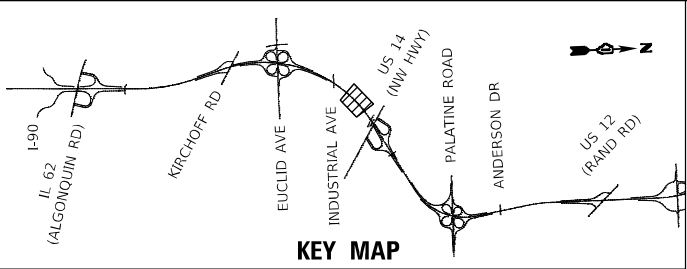
1211

564

ILLINOIS

FED. AID PROJECT

CONTRACT NO. 62W38



PROPOSED LEGEND:

- A EXISTING CONDUIT
- B CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- H 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- I CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL

MODEL: Default
FILE NAME: S:\00-63000-63000\63000-63000\13\Drawings\CADD\Micro-SSA\CAO_Sheets\C3-0162W38-8th-light-prop-03-15-24.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JackD	DESIGNED - AJR	REVISED -
	DRAWN - JED	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 8/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

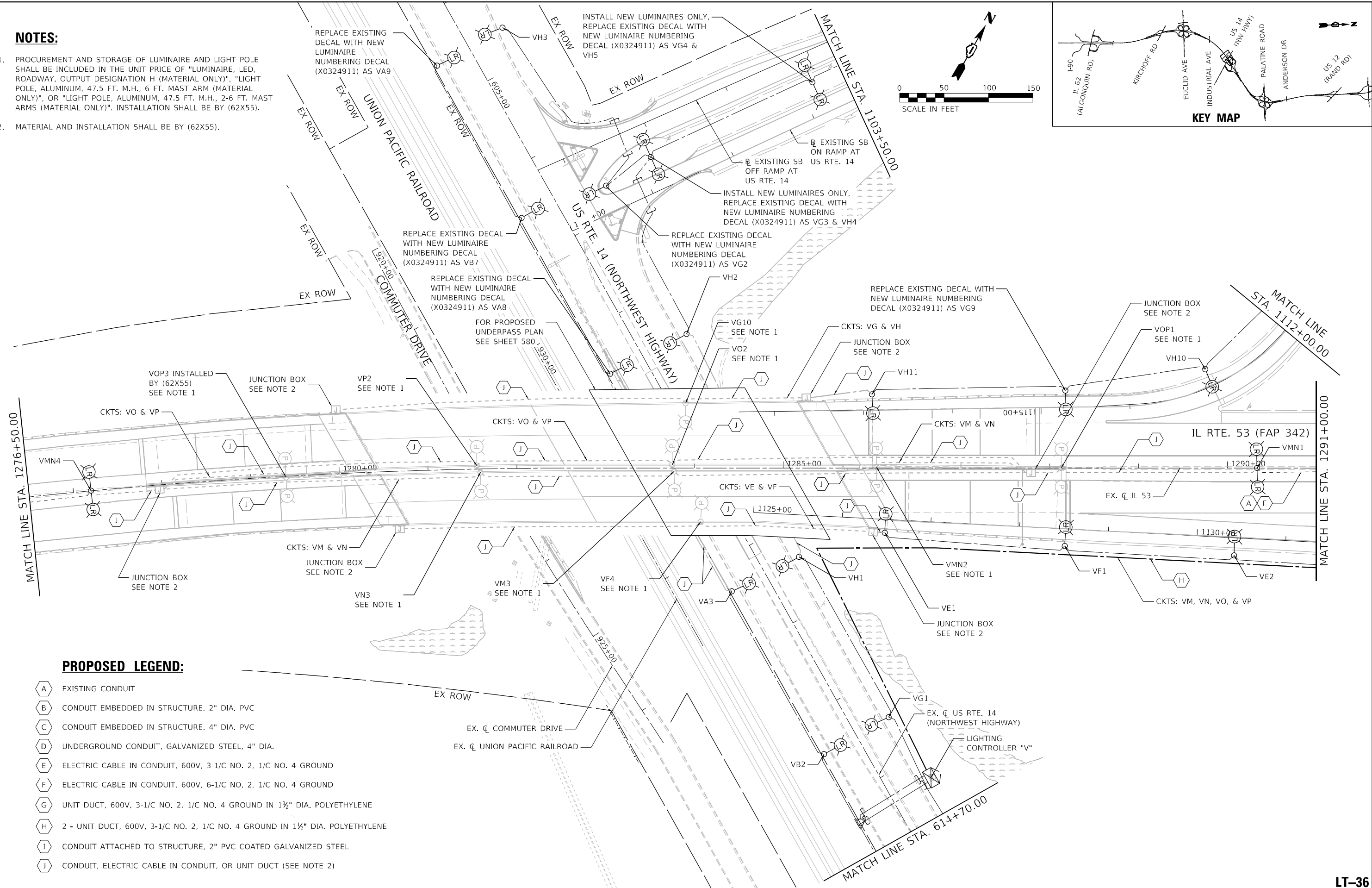
IL ROUTE 53
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET 8 OF 20 SHEETS STA. 1264+50.00 TO STA. 1276+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	565
CONTRACT NO. 62W38				
		ILLINOIS	FED. AID PROJECT	

NOTES:

1. PROCUREMENT AND STORAGE OF LUMINAIRE AND LIGHT POLE SHALL BE INCLUDED IN THE UNIT PRICE OF "LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H (MATERIAL ONLY)", "LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. MAST ARM (MATERIAL ONLY)", OR "LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. MAST ARMS (MATERIAL ONLY)". INSTALLATION SHALL BE BY (62X55).
2. MATERIAL AND INSTALLATION SHALL BE BY (62X55).



PROPOSED LEGEND:

- A EXISTING CONDUIT
- B CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- H 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- I CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL
- J CONDUIT, ELECTRIC CABLE IN CONDUIT, OR UNIT DUCT (SEE NOTE 2)

MODEL: Default
FILE NAME: 311001E300-6399E3461131Drawings\CAD\Misc-SSA\CAD_Sheets\C3-01E2W38-eh-light-prop-04d153-54.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jackd	DESIGNED - AJR	REVISED -
	DRAWN - JED	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 9/23/2024	DATE - 8/23/2024	REVISED -

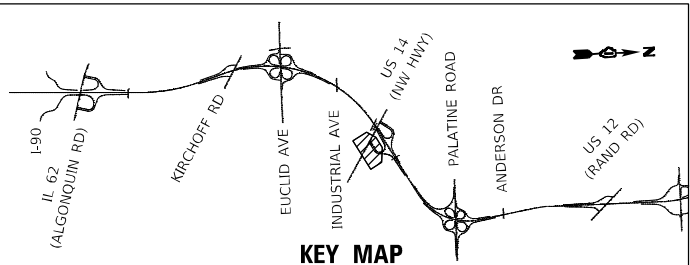
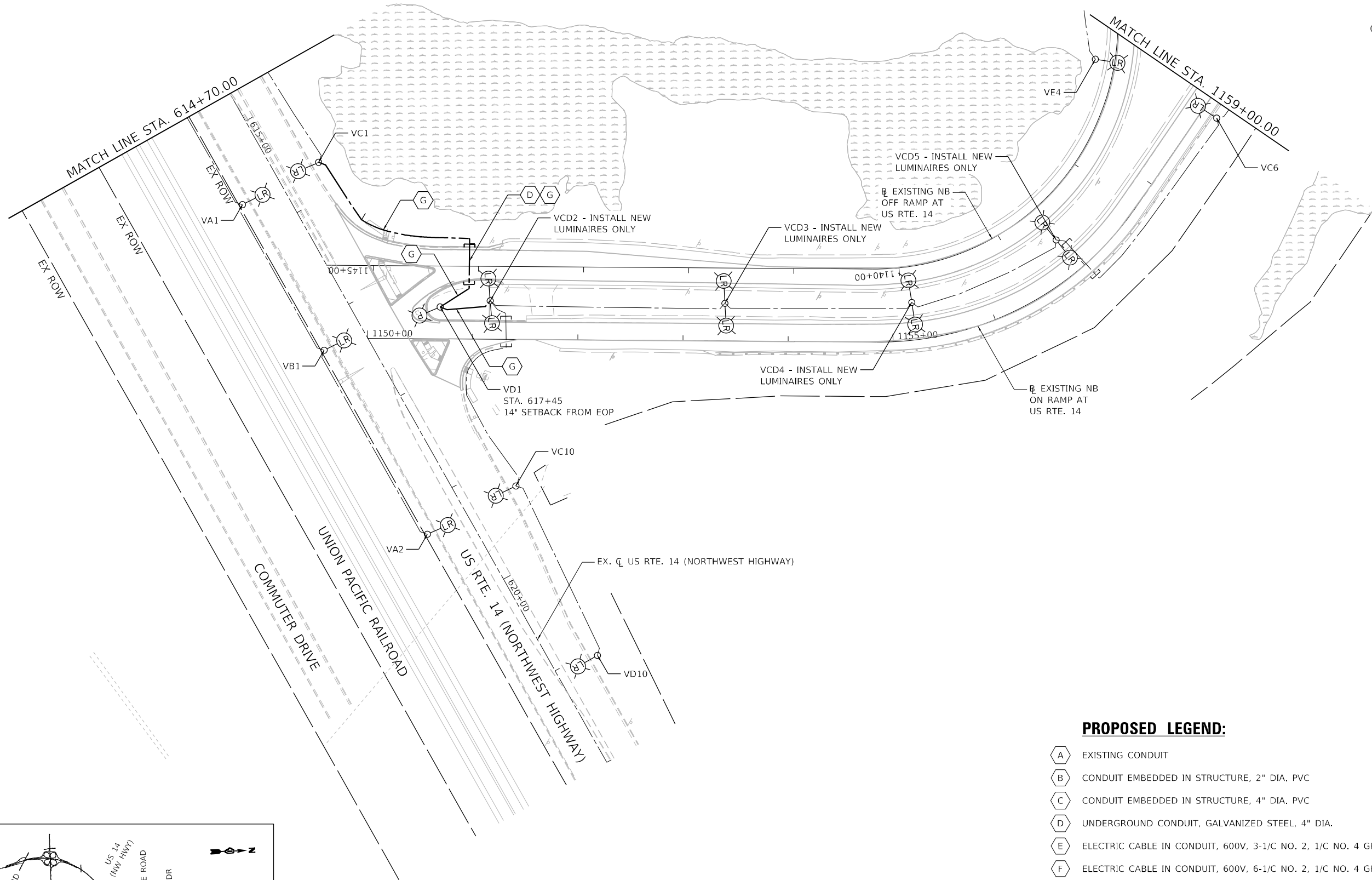
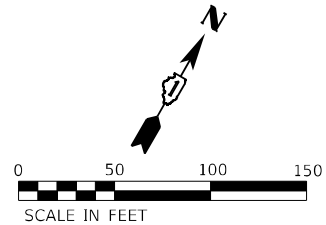
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET 9 OF 20 SHEETS STA. 1276+50.00 TO STA. 1291+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	566
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

LT-36



PROPOSED LEGEND:

- A EXISTING CONDUIT
- B CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- H 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- I CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL

MODEL: Default
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME	= jackd
PLOT SCALE	= 100,0000 ' / in.
PLOT DATE	= 9/20/2024

DESIGNED	-	AJR
DRAWN	-	JED
CHECKED	-	RGT
DATE	-	8/23/2024

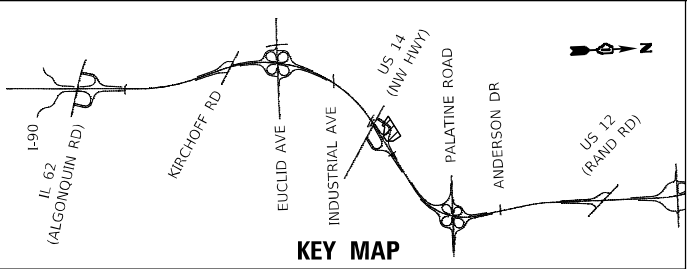
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REVISED	-
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REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

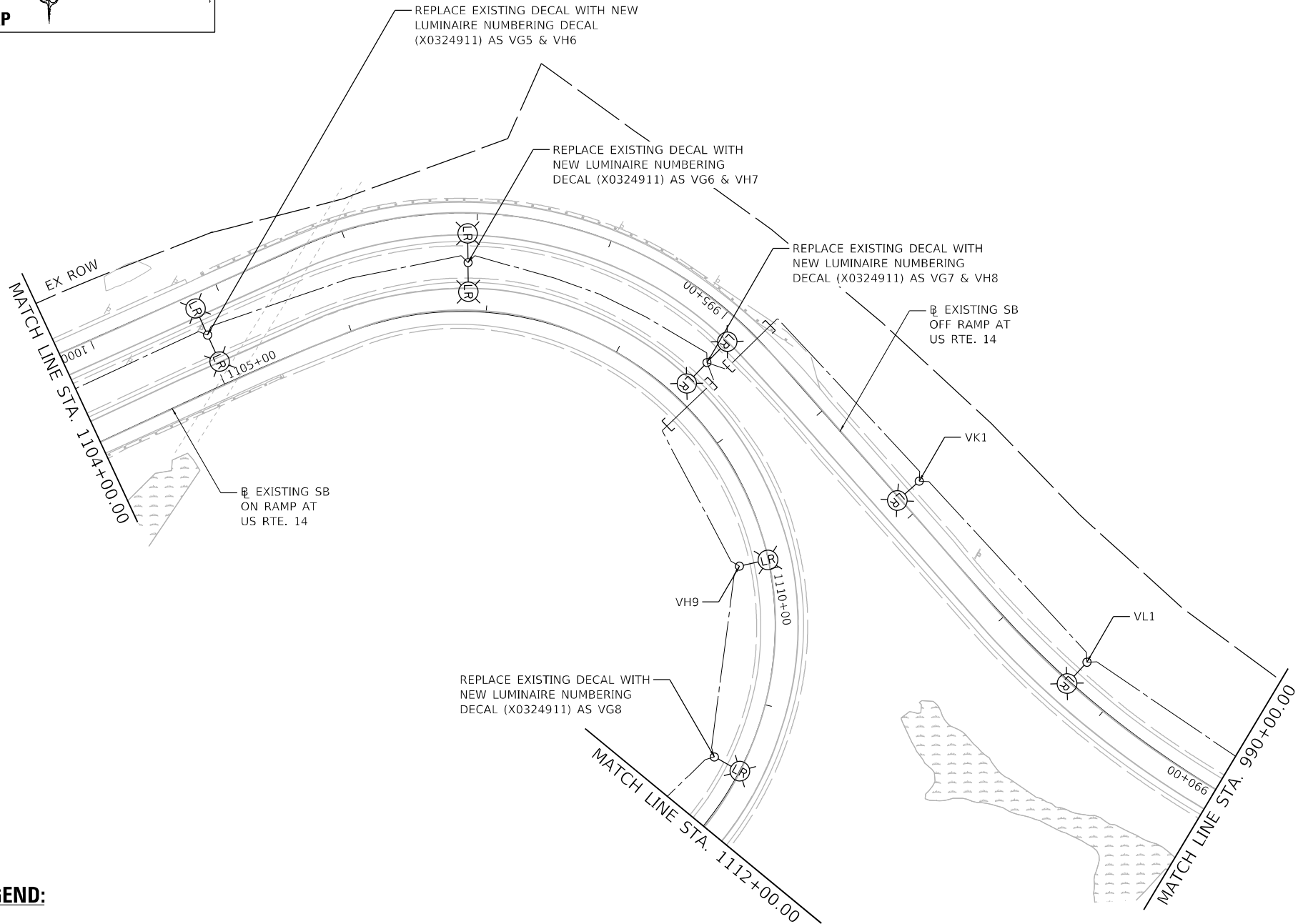
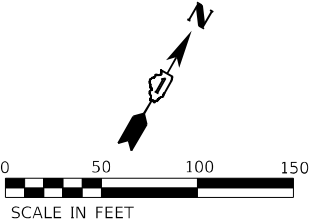
IL ROUTE 53
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET 10 OF 20 SHEETS STA. 1276+50.00 TO STA. 1291+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	567
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				



KEY MAP



PROPOSED LEGEND:

- A EXISTING CONDUIT
- B CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- H 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- I CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL

MODEL: Default
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PLT: 12W38.plt
DATE: 9/20/2024



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

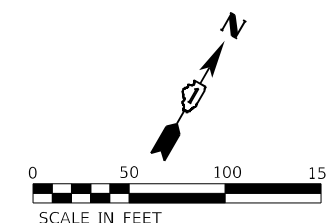
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	DRAWN - JED	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 9/20/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

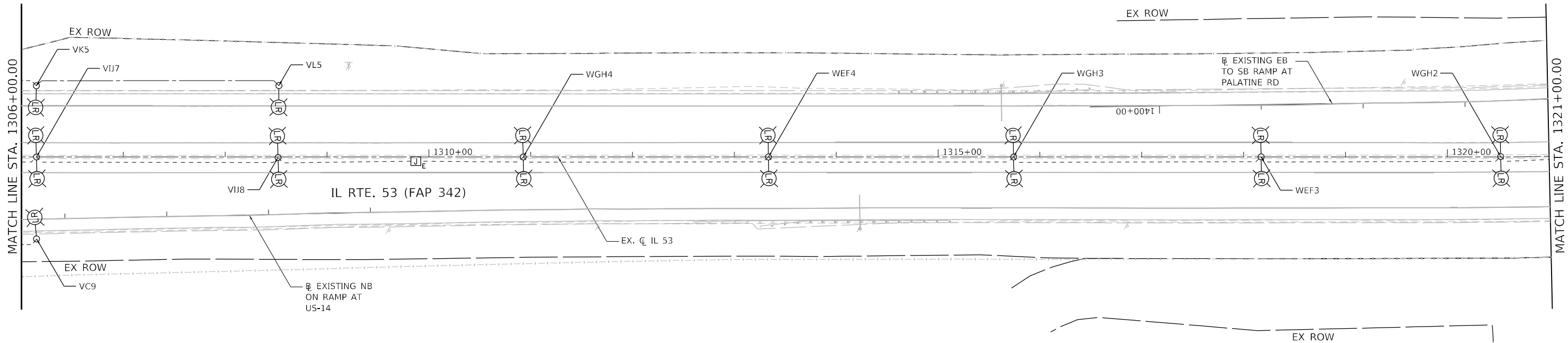
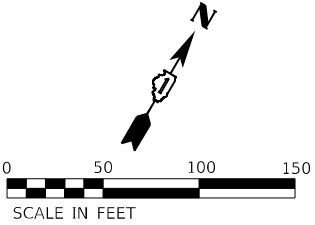
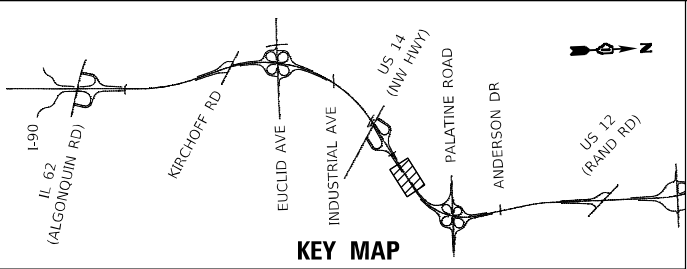
IL ROUTE 53
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET 11 OF 20 SHEETS STA. 1276+50.00 TO STA. 1291+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	568
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				



- | | | |
|----------|---|--|
| A | EXISTING CONDUIT | |
| B | CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC | |
| C | CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC | |
| D | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | |
| E | ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND | |
| F | ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND | |
| G | UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE | |
| H | 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE | |
| I | CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL | |



PROPOSED LEGEND:

- A EXISTING CONDUIT
- B CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- H 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- I CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

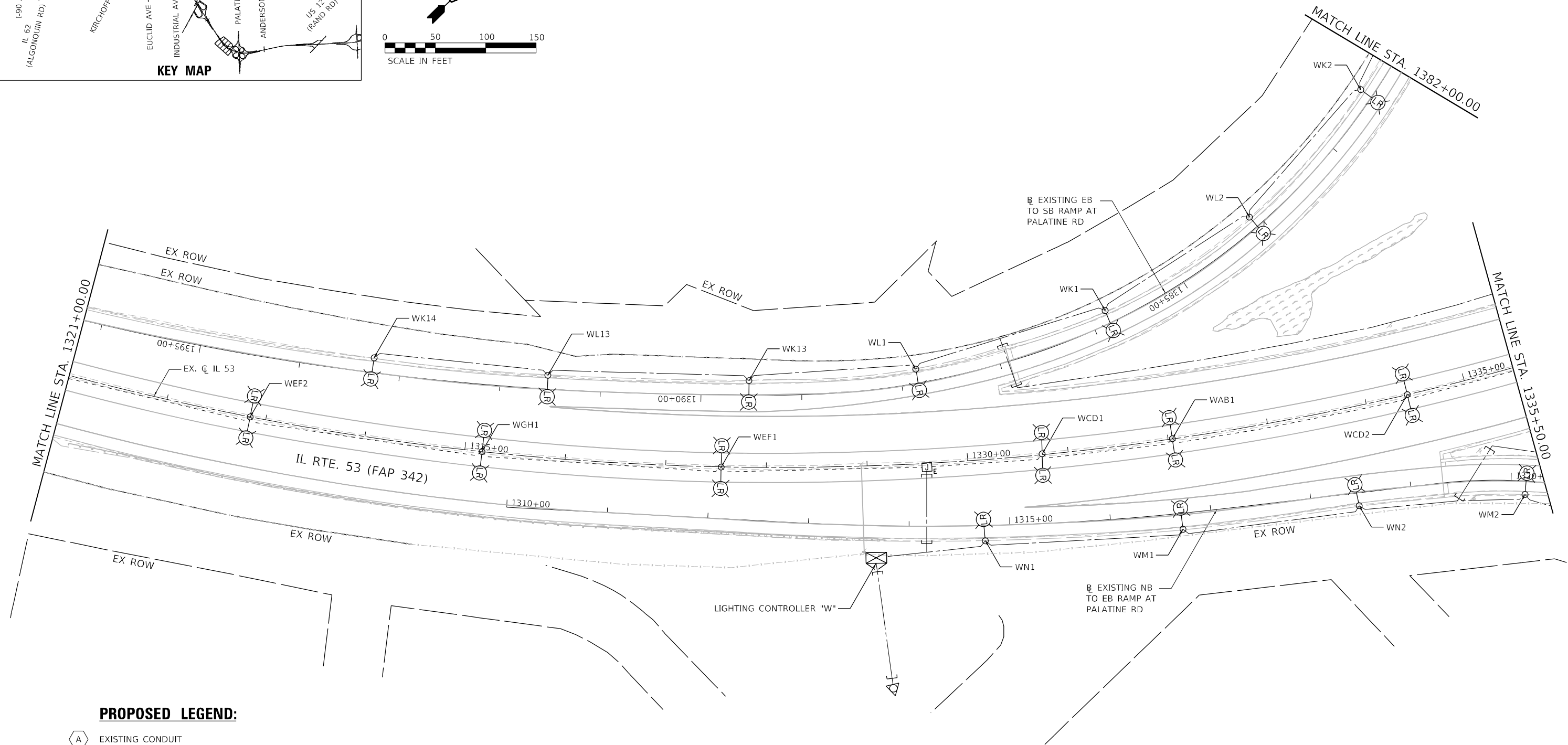
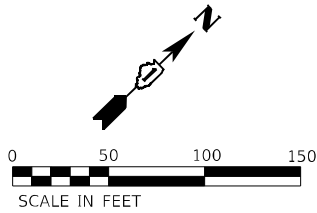
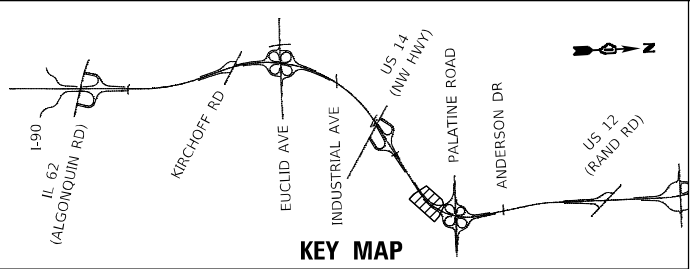
USER NAME = JackD	DESIGNED - AJR	REVISED -
	DRAWN - JED	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 8/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET 13 OF 20 SHEETS STA. 1306+00.00 TO STA. 1321+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	570
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				



PROPOSED LEGEND:

- A** EXISTING CONDUIT
- B** CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C** CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D** UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E** ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F** ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G** UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- H** 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- I** CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL

MODEL: Default
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

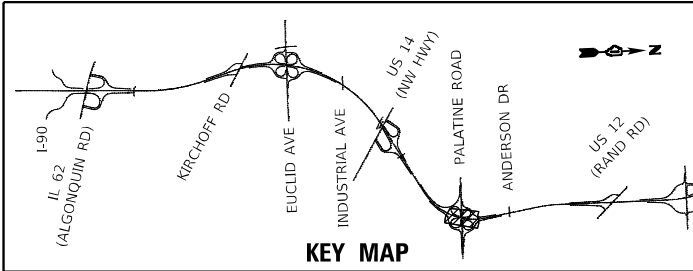
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	DRAWN - JED	REVISED -
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PLOT DATE = 8/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET 14 OF 20 SHEETS STA. 1321+00.00 TO STA. 1335+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	571
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

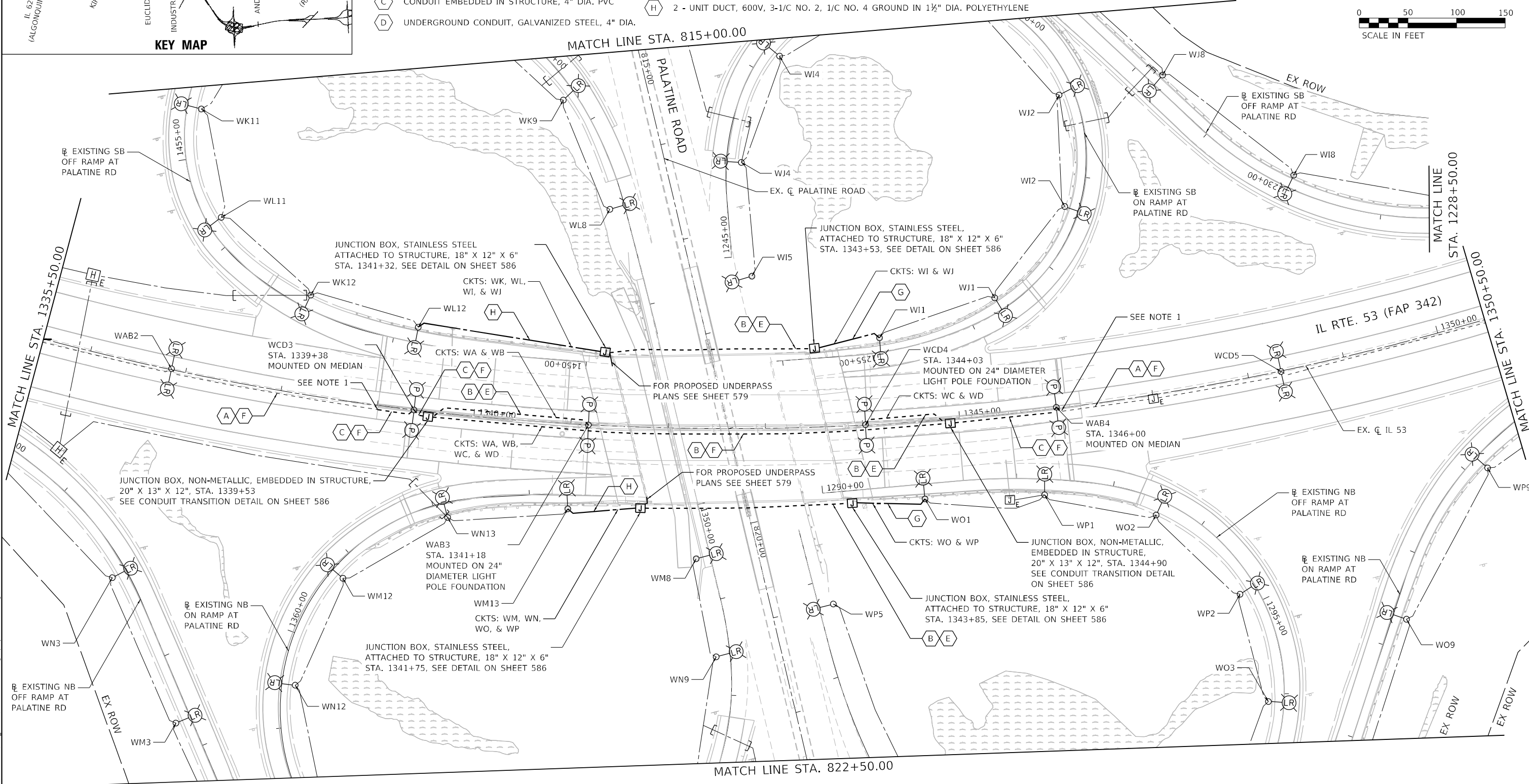
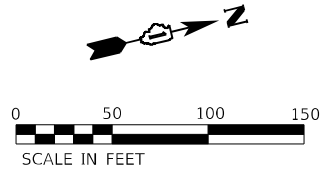


PROPOSED LEGEND:

- (A) EXISTING CONDUIT
- (B) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (C) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (D) UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.

- (E) ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- (F) ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- (G) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- (H) 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE

- (I) CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL



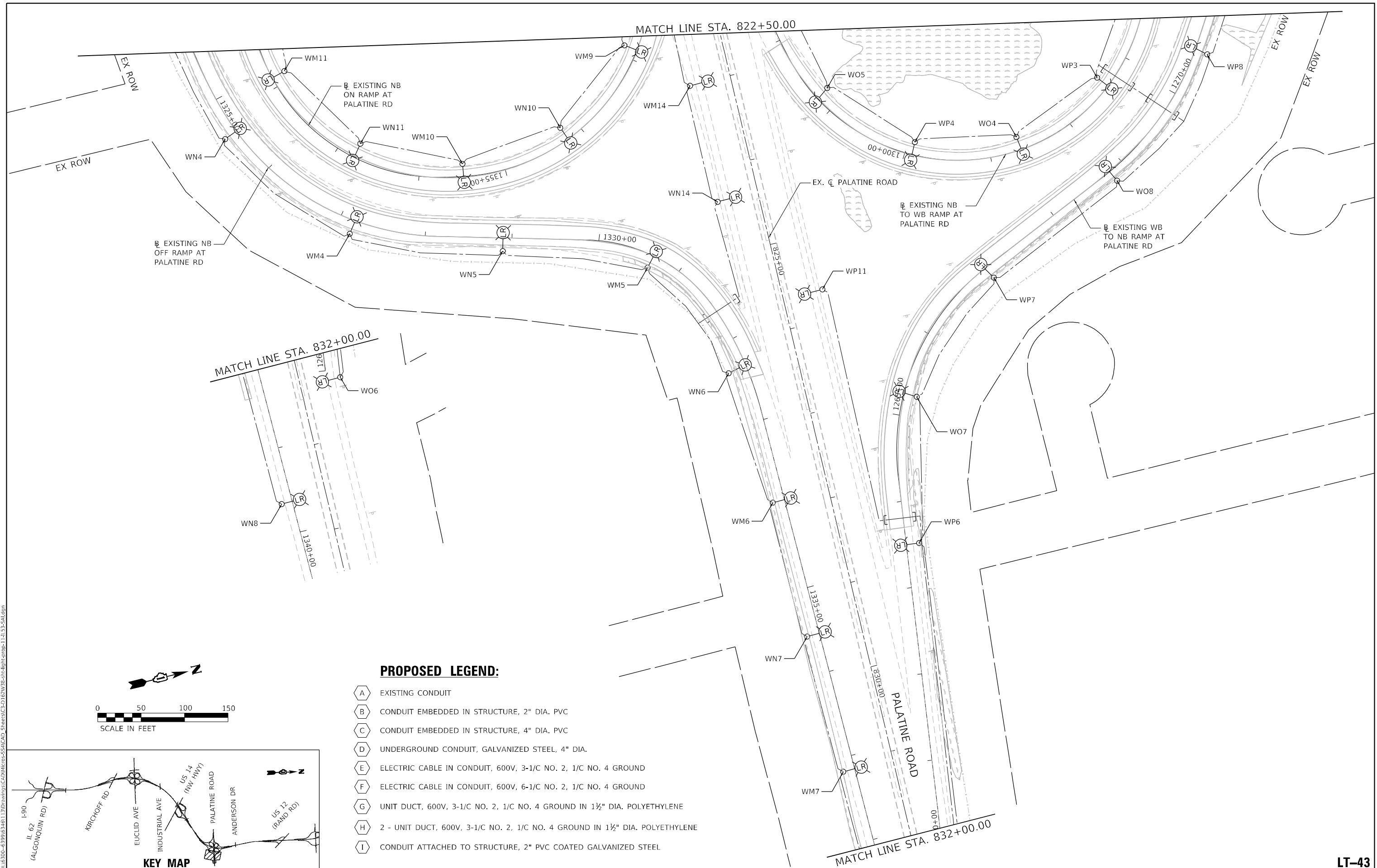
NOTES:

1. PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT.

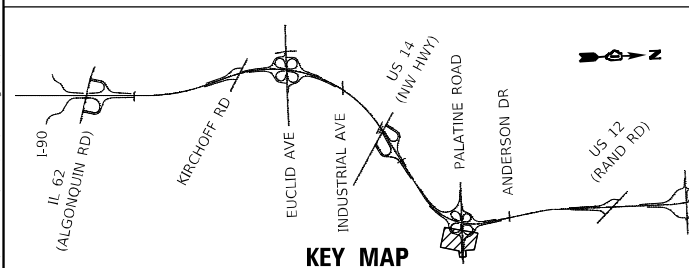
LT-42

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DATE: 9/20/2024

 <div>1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200</div>	USER NAME = jackd		DESIGNED - AJR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 53 PROPOSED LIGHTING PLAN			F.A.P. RTE. 342	SECTION (531) BR 23	COUNTY COOK	TOTAL SHEETS 1211	SHEET NO. 572
	PLOT SCALE = 100,0000 ' / in.		DRAWN - JED	REVISED -		SCALE: 1" = 50'			CONTRACT NO. 62W38				
	PLOT DATE = 9/20/2024		CHECKED - RGT	REVISED -		SHEET 15 OF 20 SHEETS			ILLINOIS FED. AID PROJECT				
			DATE - 8/23/2024	REVISED -		STA. 1335+50.00 TO STA. 1350+50.00							



T-43



KEY MAP

PROPOSED LEGEND:

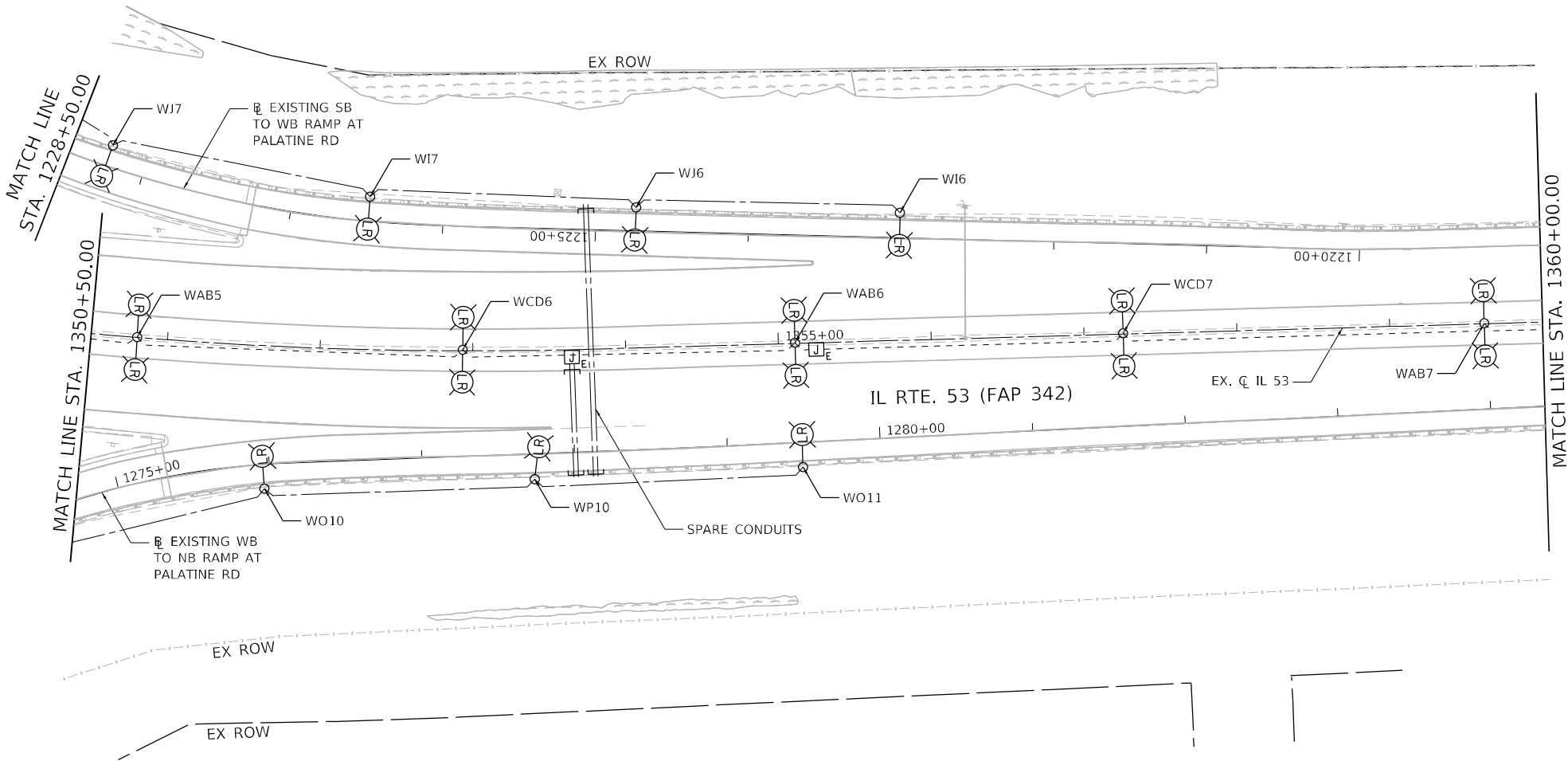
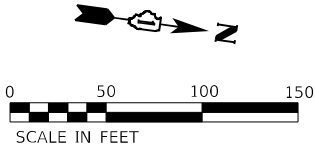
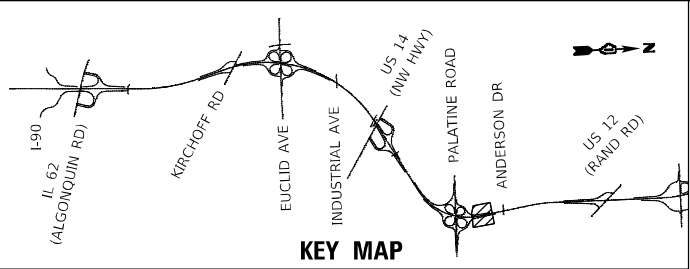
- | | |
|---|---|
| A | EXISTING CONDUIT |
| B | CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC |
| C | CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC |
| D | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. |
| E | ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND |
| F | ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND |
| G | UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE |
| H | 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE |
| I | CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53 PROPOSED LIGHTING PLAN

SCALE: 1" = 50'	SHEET 16 OF 20 SHEETS	STA. 1335+50.00 TO STA. 1350+50.00
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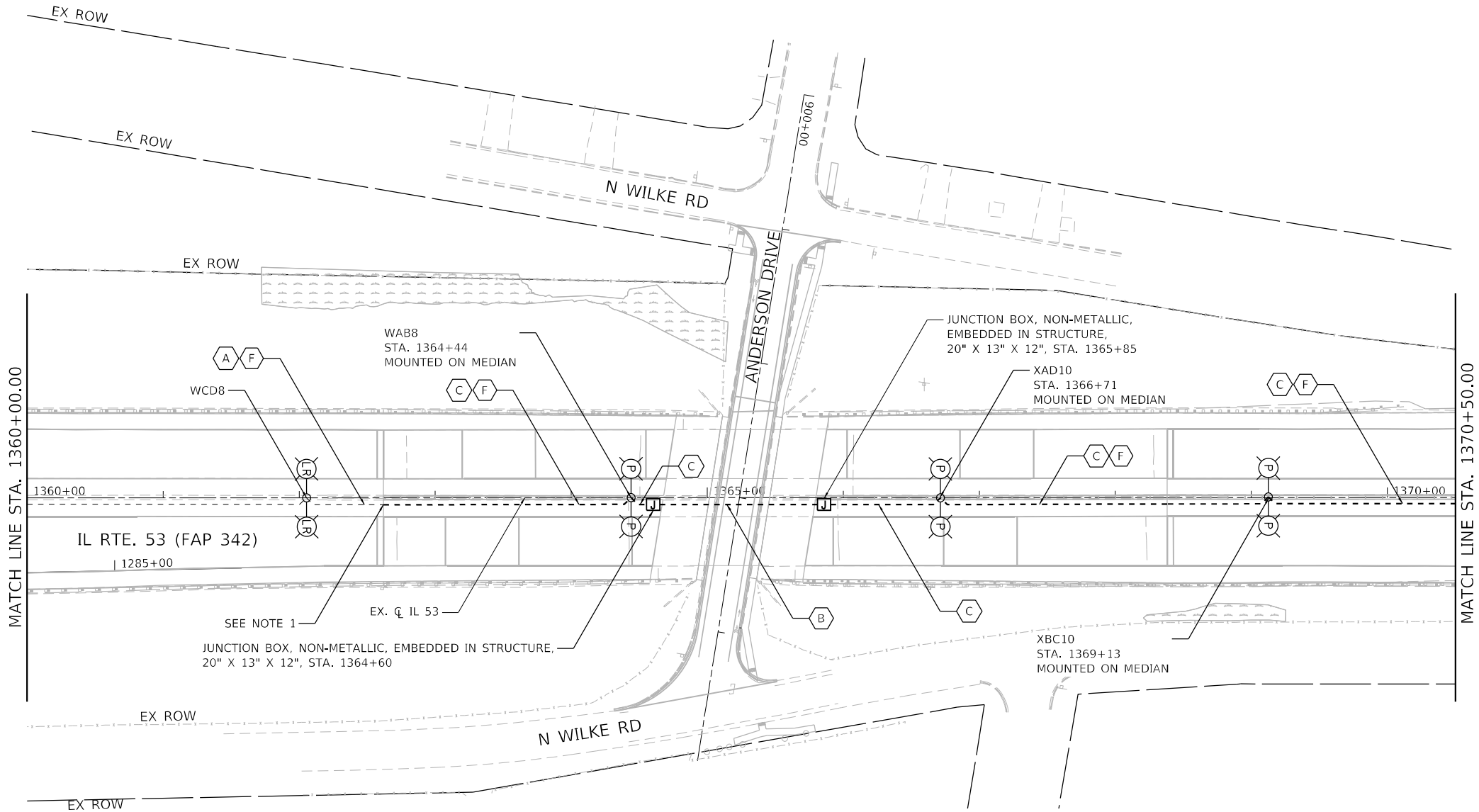
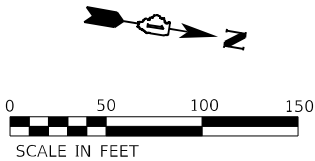
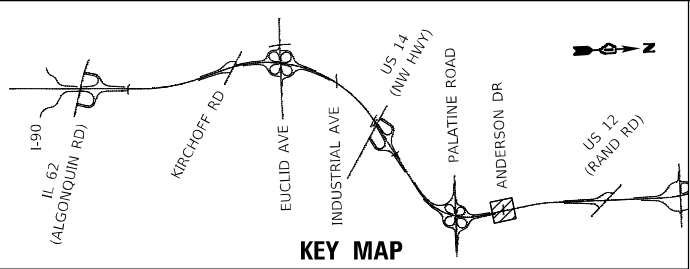
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	573
		CONTRACT NO. 62W38		
ILLINOIS		FED. AID PROJECT		



PROPOSED LEGEND:

- A EXISTING CONDUIT
- B CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- H 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- I CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL

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PROPOSED LEGEND:

- A EXISTING CONDUIT
- B CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- C CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- D UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- E ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND
- F ELECTRIC CABLE IN CONDUIT, 600V, 6-1/C NO. 2, 1/C NO. 4 GROUND
- G UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- H 2 - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1½" DIA. POLYETHYLENE
- I CONDUIT ATTACHED TO STRUCTURE, 2" PVC COATED GALVANIZED STEEL

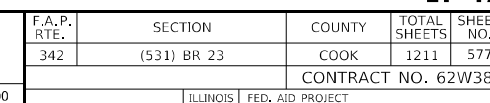
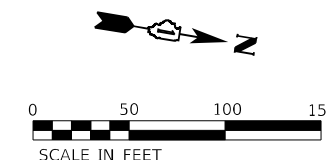
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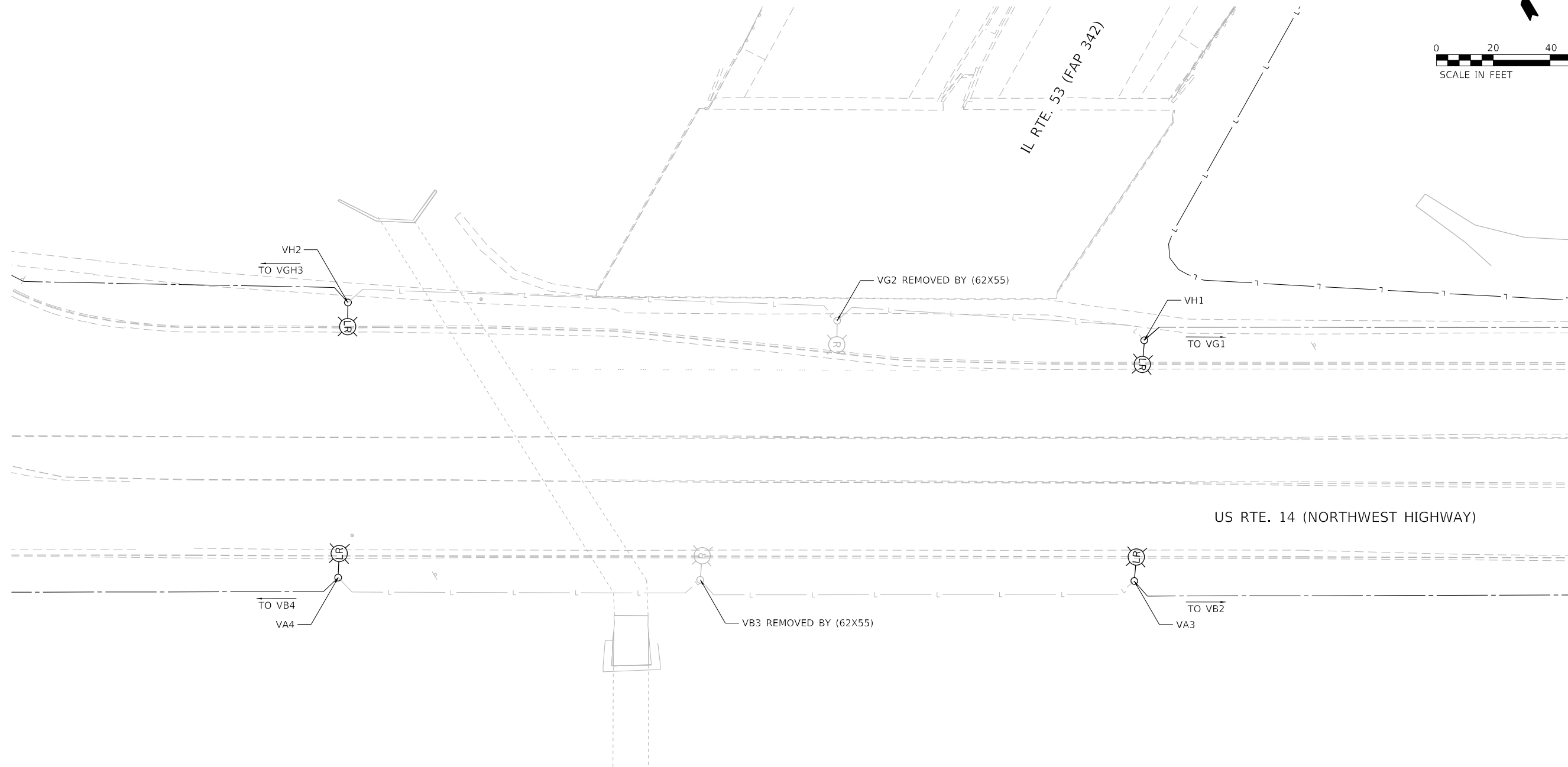
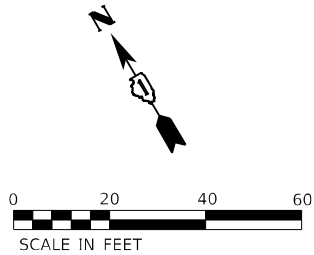
1. PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT.

LT-46

MODEL: Default
FILE NAME: S:\000\63000-63999\346113\Drawings\CAD\Misc\SSA\CAO_Sheets\342-0162W38.dht-light-prop-1.dtl 53-54.dgn

 <div>1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200</div>	USER NAME = JackD		DESIGNED - AJR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 53 PROPOSED LIGHTING PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - JED		CHECKED - RGT	REVISED -						342	(531) BR 23	COOK	1211	576
	PLOT SCALE = 100,0000 ' / in.		DATE - 8/23/2024	REVISED -		CONTRACT NO. 62W38								
	PLOT DATE = 8/23/2024					ILLINOIS FED. AID PROJECT								
SCALE: 1" = 50'											SHEET 19 OF 20 SHEETS	STA. 1360+00.00 TO STA. 1370+50.00		





MODEL: Default
FILE NAME: S:\00-6300-6300\6300\113\Drawings\CADD\Micro-SSA\CAD_Sheets\C3-0162W38-dht-light-underpass-removal\US 14-IL-53-SA.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

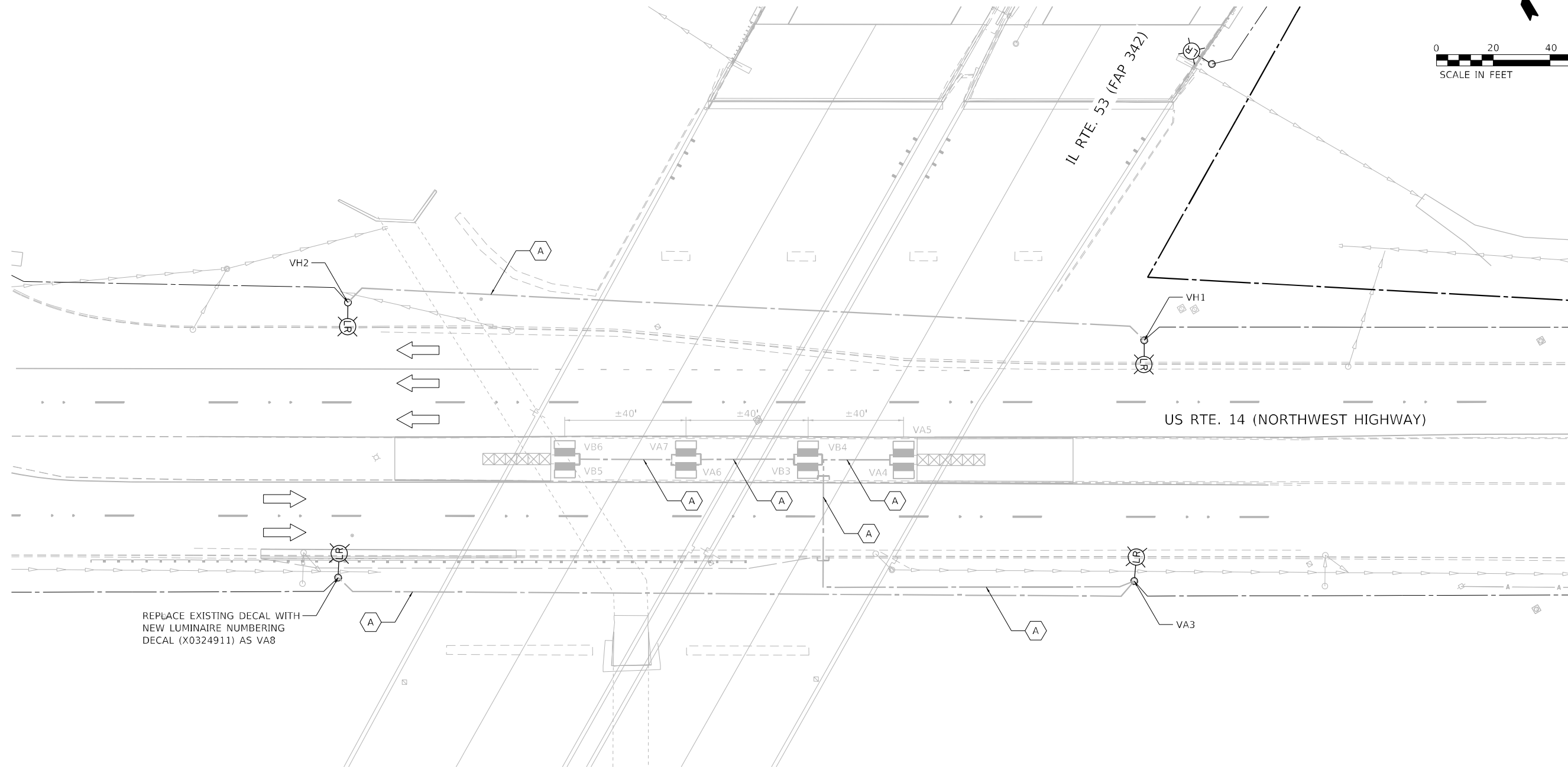
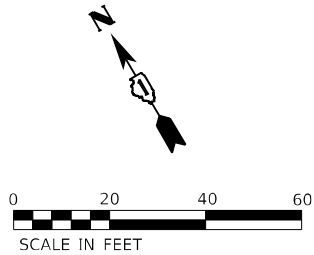
USER NAME = jackd	DESIGNED - AJR	REVISED -
	DRAWN - JED	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - RGT	REVISED -
PLOT DATE = 9/20/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53 AT US RTE. 14 (NORTHWEST HIGHWAY)
UNDERPASS REMOVAL LIGHTING PLANS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	578
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				



NOTES

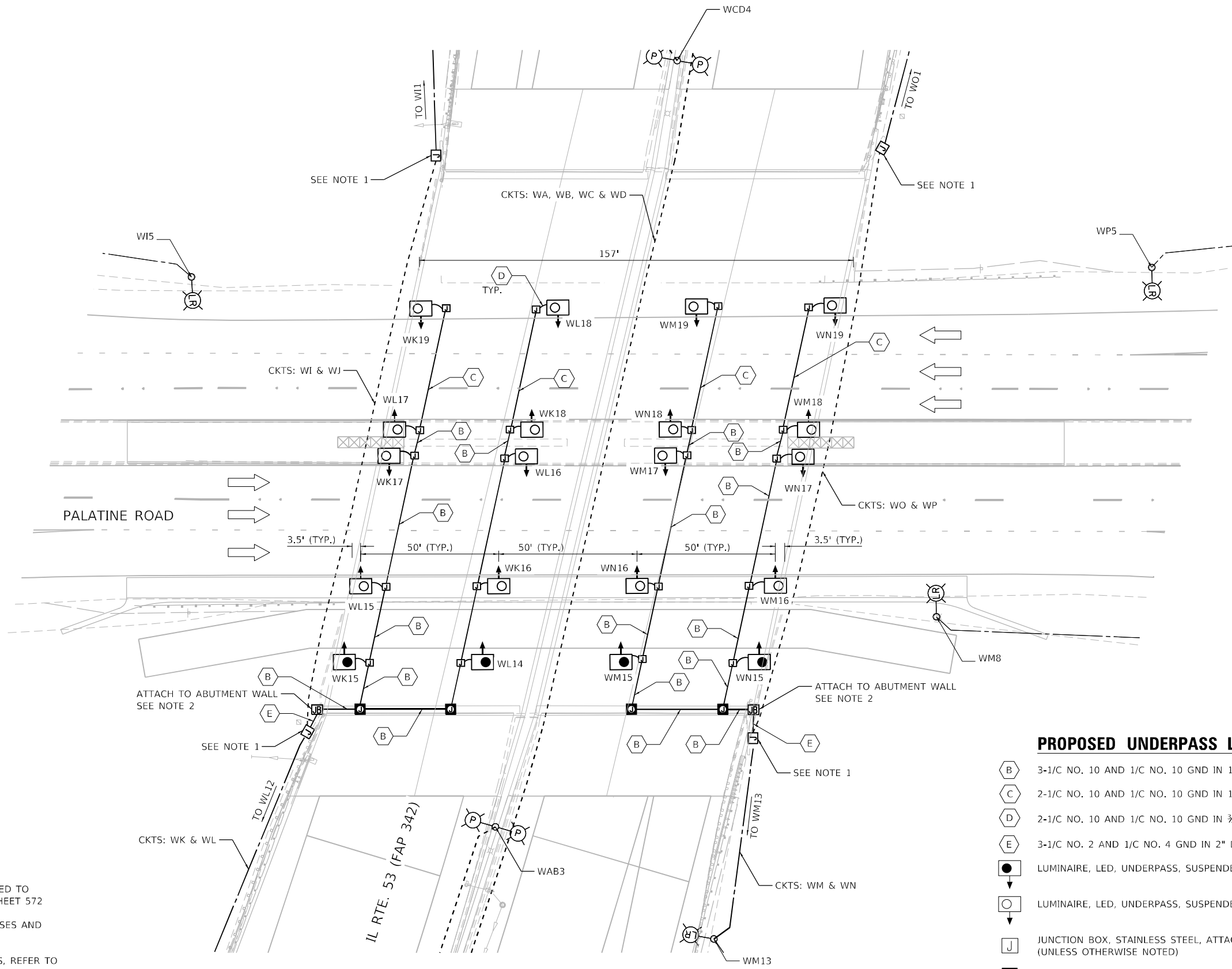
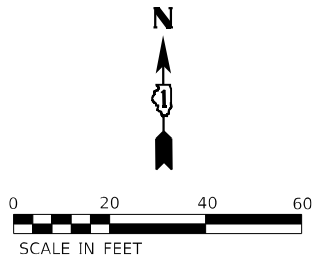
- 1. PROPOSED LIGHTING CONDITIONS ON US 14 BRIDGE OMITTED ON THIS PAGE FOR CLARITY
- 2. US 14 UNDERPASS LIGHTING SYSTEM SHOWN FOR INFORMATION ONLY AND TO BE INSTALLED BY (62X55)

PROPOSED UNDERPASS LEGEND

- CONDUIT, CABLE IN CONDUIT, OR UNIT DUCT MATERIAL AND INSTALLATION BY (62X55)
- LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION E MATERIAL AND INSTALLATION BY (62X55)

MODEL: Default
FILE NAME: 3110016300-630993461131Drawings\CADD\Micro-SSA\CAO_Sheets\C3-0162W38.dht-light-underpass-propos-14-IL-53-54.dgn

<div>1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200</div>	USER NAME = jackd		DESIGNED - AJR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 53 AT US ROUTE 14 (NORTHWEST HIGHWAY) UNDERPASS LIGHTING PLAN			F.A.P. RTE. 342	SECTION (531) BR 23	COUNTY COOK	TOTAL SHEETS 1211	SHEET NO. 580
	PLOT SCALE = 40,0000 * / in.		CHECKED - RGT	REVISED -		SCALE: 1" = 20'			CONTRACT NO. 62W38				
	PLOT DATE = 9/20/2024		DATE - 8/23/2024	REVISED -		SHEET 1 OF 2 SHEETS			ILLINOIS FED. AID PROJECT				
						STA. TO STA.							



NOTES

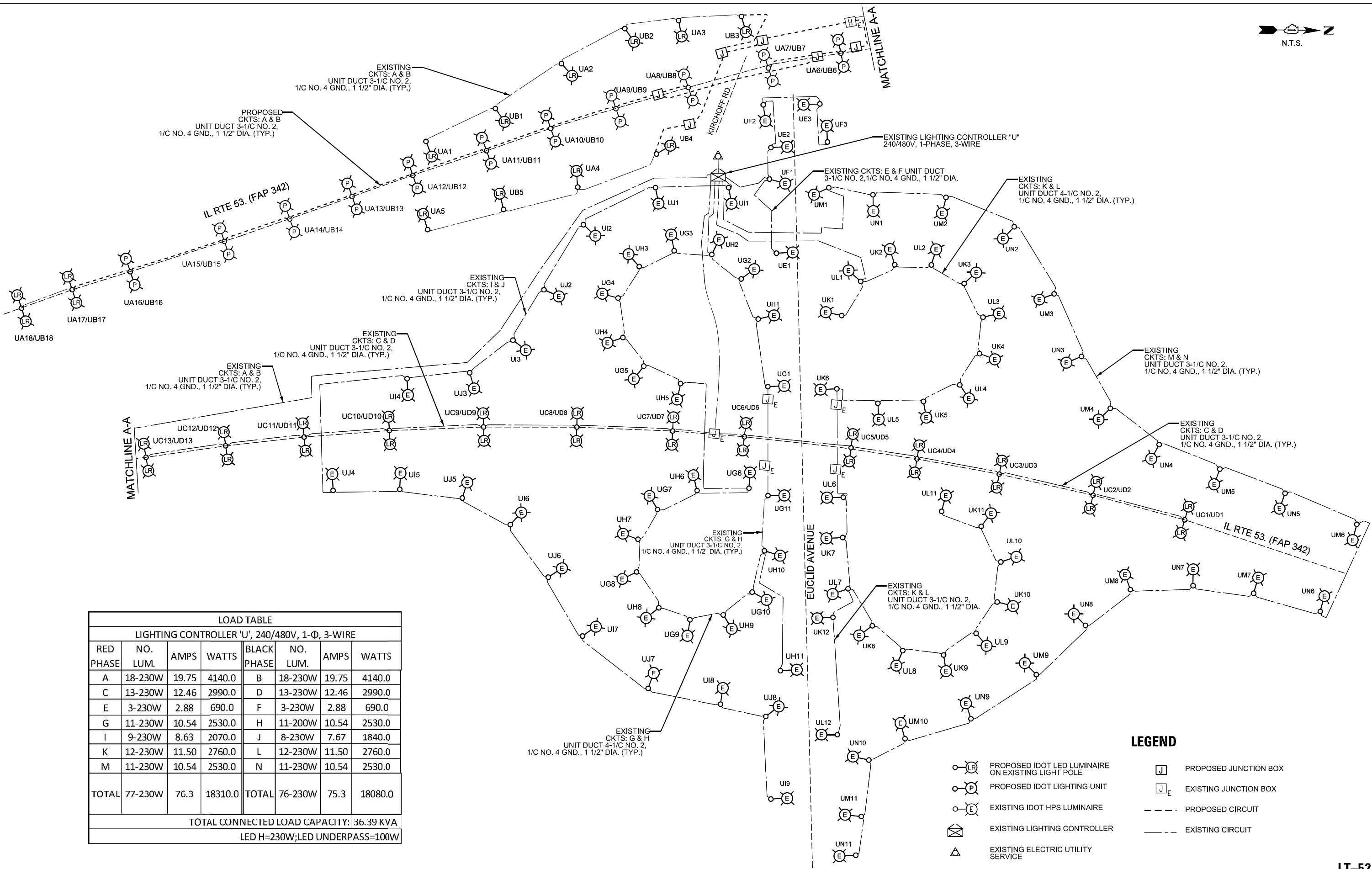
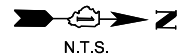
- FOR SIZE OF JUNCTION BOXES ATTACHED TO WINGWALLS & MEDIAN BARRIER SEE SHEET 572
- INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE JUNCTION BOX
- FOR UNDERPASS INSTALLATION DETAILS, REFER TO IDOT STANDARD DETAIL BE-901
- SETBACK FOR UNDERPASS LUMINAIRES SHALL BE 2 FT FROM EOP

PROPOSED UNDERPASS LEGEND

- 3-1/C NO. 10 AND 1/C NO. 10 GND IN 1" PVCC RGC
- 2-1/C NO. 10 AND 1/C NO. 10 GND IN 1" PVCC RGC
- 2-1/C NO. 10 AND 1/C NO. 10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT
- 3-1/C NO. 2 AND 1/C NO. 4 GND IN 2" DIA. GALVANIZED STEEL CONDUIT
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D (17-FT M.H.)
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (17-FT M.H.)
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4" (UNLESS OTHERWISE NOTED)
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"

MODEL: Default
FILE NAME: 3-10-2024-639993461131Drawings\CDM\Micro-SSA\CAO_Sheets\C3-0162W38.dwg
FILE NAME: 3-10-2024-639993461131Drawings\CDM\Micro-SSA\CAO_Sheets\C3-0162W38.dwg

 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 STRAND ASSOCIATES	USER NAME = jackd		DESIGNED - AJR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 53 AT PALATINE UNDERPASS LIGHTING PLAN			F.A.P. RTE. 342	SECTION (531) BR 23	COUNTY COOK	TOTAL SHEETS 1211	SHEET NO. 581
	PLOT SCALE = 40,0000 * / in.		DRAWN - JED	REVISED -		SCALE: 1" = 20'			SHEET 2 OF 2 SHEETS		CONTRACT NO. 62W38		
	PLOT DATE = 9/20/2024		CHECKED - RGT	REVISED -		TO STA. XXX			ILLINOIS		FED. AID PROJECT		
			DATE - 8/23/2024	REVISED -									



LOAD TABLE							
LIGHTING CONTROLLER 'U', 240/480V, 1-Φ, 3-WIRE							
RED PHASE	NO. LUM.	AMPS	WATTS	BLACK PHASE	NO. LUM.	AMPS	WATTS
A	18-230W	19.75	4140.0	B	18-230W	19.75	4140.0
C	13-230W	12.46	2990.0	D	13-230W	12.46	2990.0
E	3-230W	2.88	690.0	F	3-230W	2.88	690.0
G	11-230W	10.54	2530.0	H	11-200W	10.54	2530.0
I	9-230W	8.63	2070.0	J	8-230W	7.67	1840.0
K	12-230W	11.50	2760.0	L	12-230W	11.50	2760.0
M	11-230W	10.54	2530.0	N	11-230W	10.54	2530.0
TOTAL	77-230W	76.3	18310.0	TOTAL	76-230W	75.3	18080.0
TOTAL CONNECTED LOAD CAPACITY: 36.39 KVA							
LED H=230W;LED UNDERPASS=100W							

- LEGEND**
- PROPOSED IDOT LED LUMINAIRE ON EXISTING LIGHT POLE
 - PROPOSED IDOT LIGHTING UNIT
 - EXISTING IDOT HPS LUMINAIRE
 - EXISTING LIGHTING CONTROLLER
 - EXISTING ELECTRIC UTILITY SERVICE
 - PROPOSED JUNCTION BOX
 - EXISTING JUNCTION BOX
 - PROPOSED CIRCUIT
 - EXISTING CIRCUIT

MODEL: Default
FILE NAME: \\G:\Projects\2022\145\04_CADD\CADD_Sheets\Contract_3D\145\04\3D\doc-sht-light-11.dgn



USER NAME = vnupez	DESIGNED - MAG	REVISED -
	DRAWN - ML	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - MG/JP	REVISED -
PLOT DATE = 8/22/2024	DATE - 07/19/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
WIRING DIAGRAM-IDOT CONTROLLER "U"

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	582
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

LT-52

MODEL: Default
FILE NAME: 3-10-2024-6300-6309-6346-113-Drawing-CAD-Micro-SSA-CAD_Sheets-C3-0162W38-eh-light-line-dwg-02-1153-541.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

ASSOCIATES

USER NAME = JackD	DESIGNED - AJR	REVISED -
	DRAWN - JED	REVISED -
PLOT SCALE = 300,0000' / in.	CHECKED - RGT	REVISED -
PLOT DATE = 8/23/2024	DATE - 8/23/2024	REVISED -

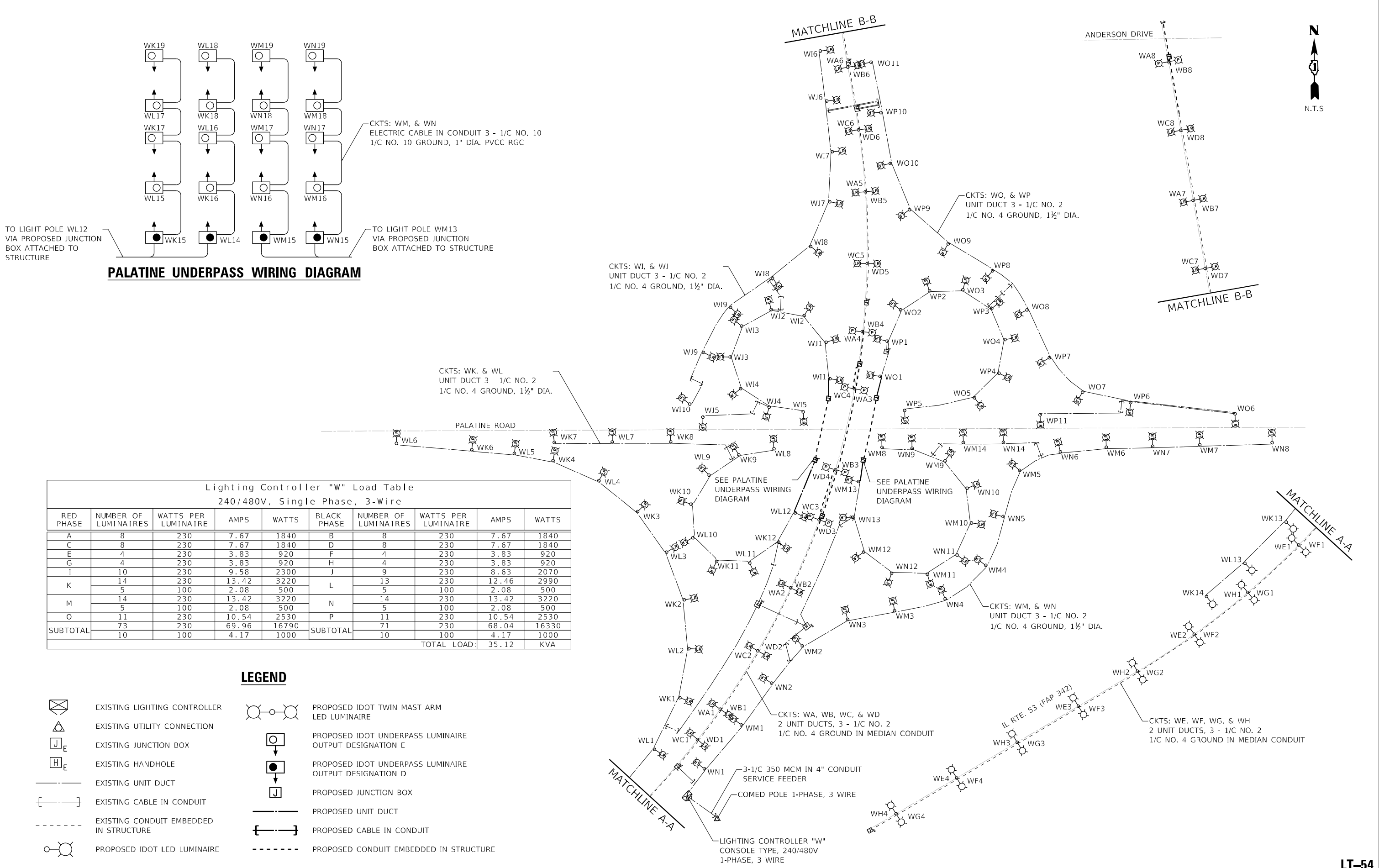
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
WIRING DIAGRAM - IDOT CONTROLLER "W"

SCALE: NA SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	584
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

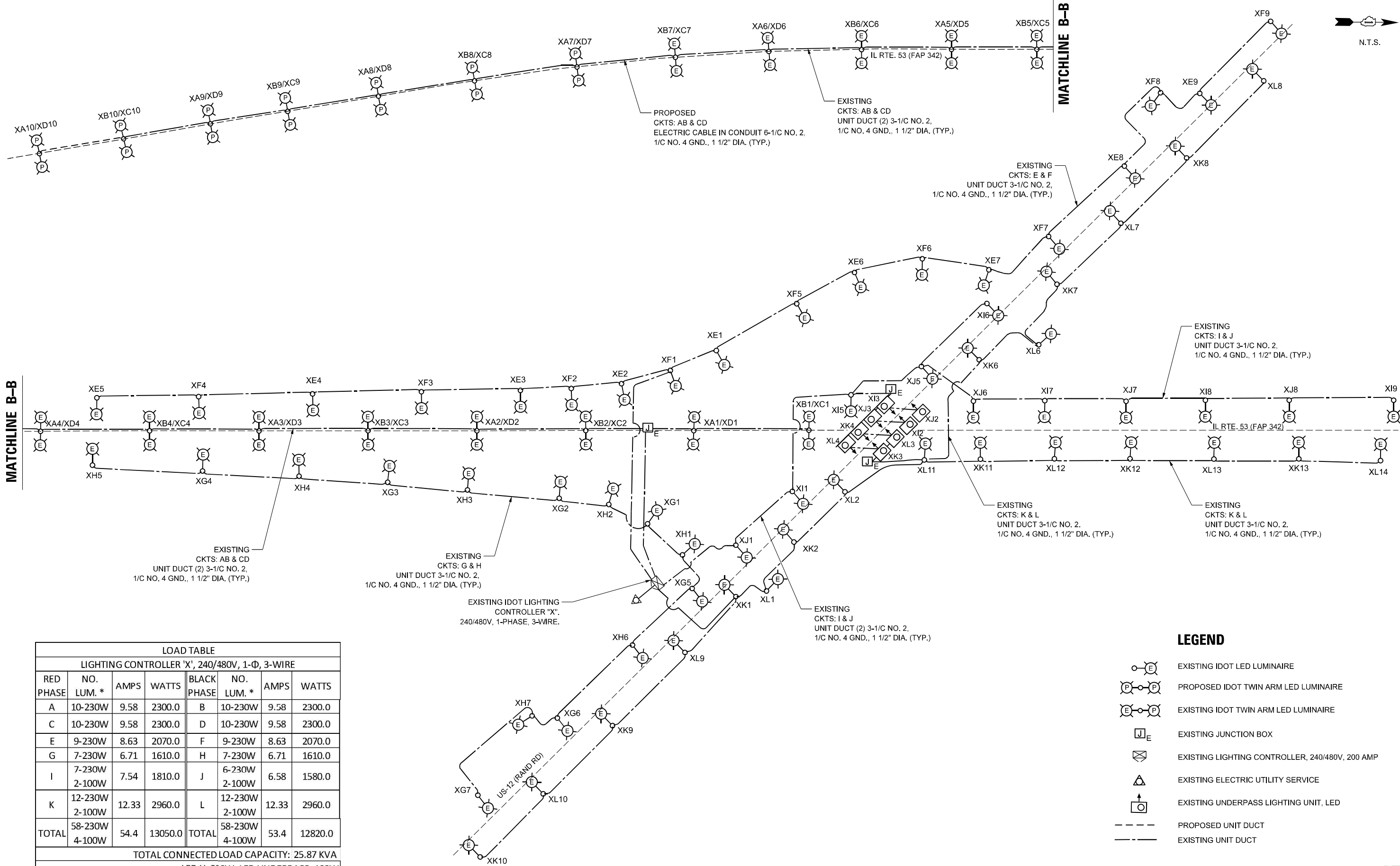
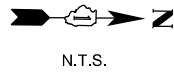
LT-54



MODEL: Defaul
FILE NAME: \\s01\Projects\27145\04_CADD\2400_Sheets\Contract_30\62W38-dwg-shd-gjhc-12.dgn

MATCHLINE B-B

MATCHLINE B-B



LOAD TABLE							
LIGHTING CONTROLLER 'X', 240/480V, 1-Φ, 3-WIRE							
RED PHASE	NO. LUM. *	AMPS	WATTS	BLACK PHASE	NO. LUM. *	AMPS	WATTS
A	10-230W	9.58	2300.0	B	10-230W	9.58	2300.0
C	10-230W	9.58	2300.0	D	10-230W	9.58	2300.0
E	9-230W	8.63	2070.0	F	9-230W	8.63	2070.0
G	7-230W	6.71	1610.0	H	7-230W	6.71	1610.0
I	7-230W 2-100W	7.54	1810.0	J	6-230W 2-100W	6.58	1580.0
K	12-230W 2-100W	12.33	2960.0	L	12-230W 2-100W	12.33	2960.0
TOTAL	58-230W 4-100W	54.4	13050.0	TOTAL	58-230W 4-100W	53.4	12820.0
TOTAL CONNECTED LOAD CAPACITY: 25.87 KVA							
LED H=230W; LED UNDERPASS=100W							

LEGEND

- EXISTING IDOT LED LUMINAIRE
- PROPOSED IDOT TWIN ARM LED LUMINAIRE
- EXISTING IDOT TWIN ARM LED LUMINAIRE
- EXISTING JUNCTION BOX
- EXISTING LIGHTING CONTROLLER, 240/480V, 200 AMP
- EXISTING ELECTRIC UTILITY SERVICE
- EXISTING UNDERPASS LIGHTING UNIT, LED
- PROPOSED UNIT DUCT
- EXISTING UNIT DUCT



USER NAME = vrunez	DESIGNED - MAG	REVISED -
PLOT SCALE = 2.0006' / in.	DRAWN - ML	REVISED -
PLOT DATE = 9/16/2024	CHECKED - MG/RP	REVISED -
	DATE - 07/19/2024	REVISED -

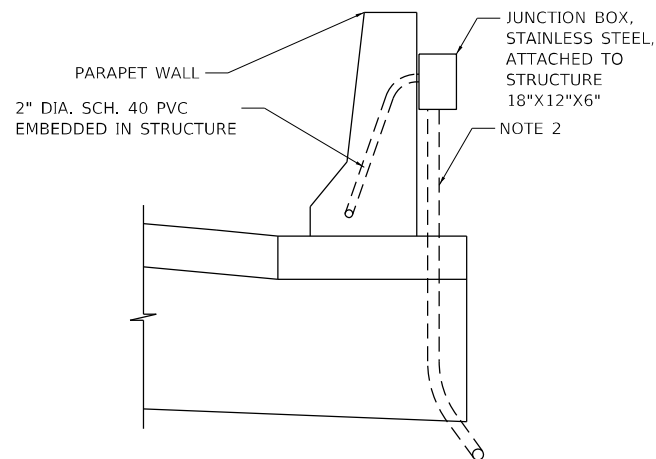
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
WIRING DIAGRAM - IDOT CONTROLLER "X"

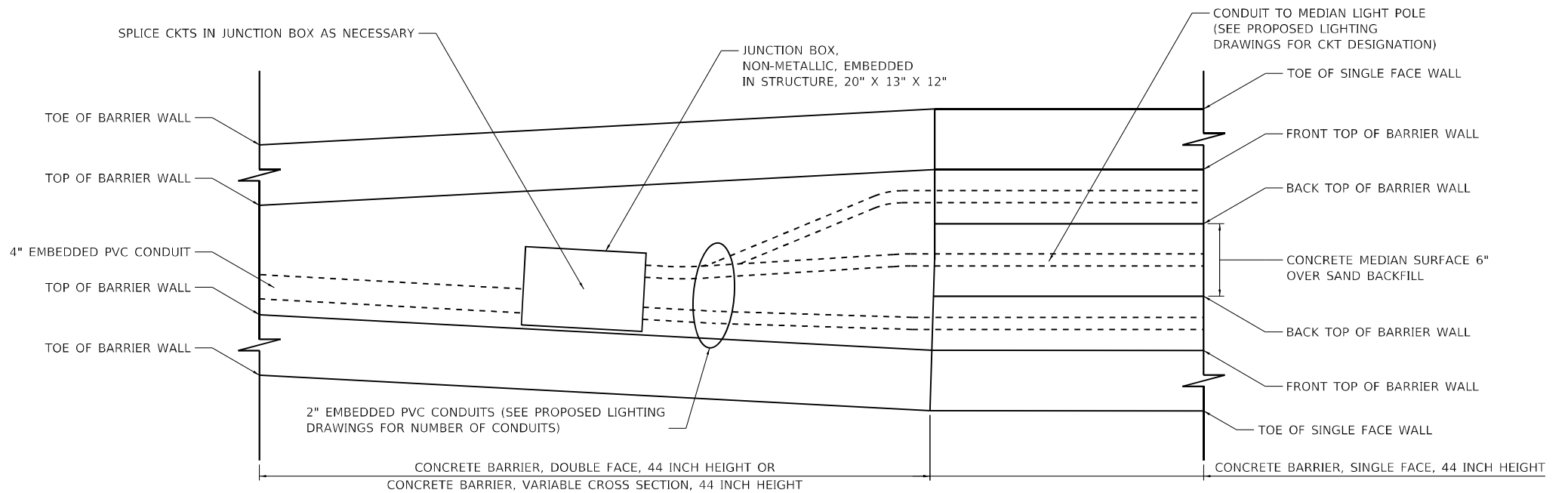
SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	585
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

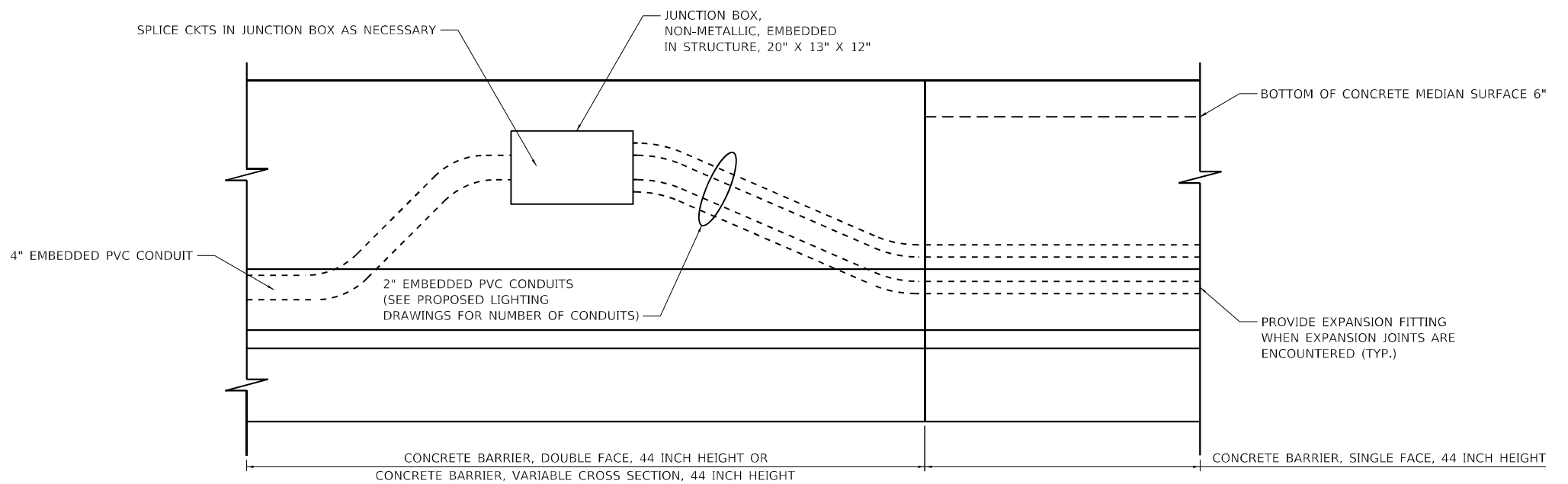
LT-55



JUNCTION BOX ATTACHED TO PARAPET WALL DETAIL
N.T.S.



CONCRETE BARRIER, DOUBLE FACE TO CONCRETE BARRIER, SINGLE FACE CONDUIT TRANSITION (PLAN VIEW DETAIL)
N.T.S.



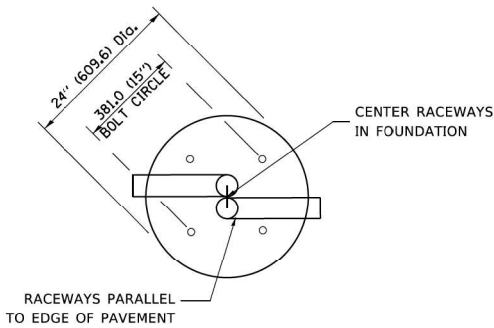
CONCRETE BARRIER, DOUBLE FACE TO CONCRETE BARRIER, SINGLE FACE CONDUIT TRANSITION (ELEVATION VIEW DETAIL)
N.T.S.

- SEE BRIDGE APPROACH DETAIL DRAWINGS FOR LIMITS OF CONCRETE BARRIERS.
- REFER TO IDOT STANDARD 812001 FOR MORE DETAILS. USE 3" CONDUIT TRANSITIONING FROM JUNCTION BOX ATTACHED TO STRUCTURE GOING UNDERGROUND TO ACCOMMODATE 1½" UNIT DUCT. USE IDOT STANDARD 812001 WITH EXCEPTION NOTED ON DETAILS HERE ON PLANS.

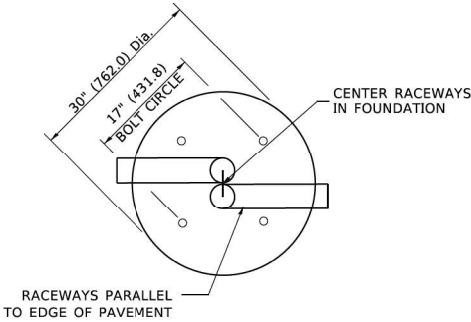
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LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ. FT.	9'-6" (2.09 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



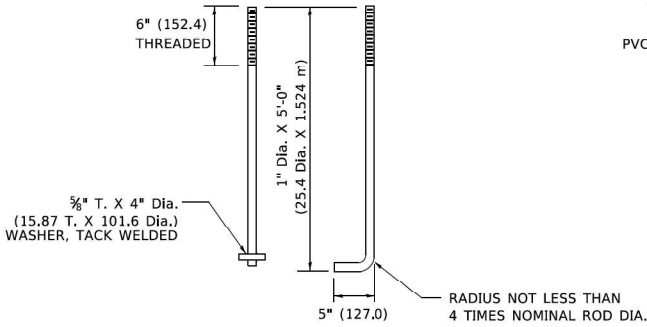
TOP VIEW



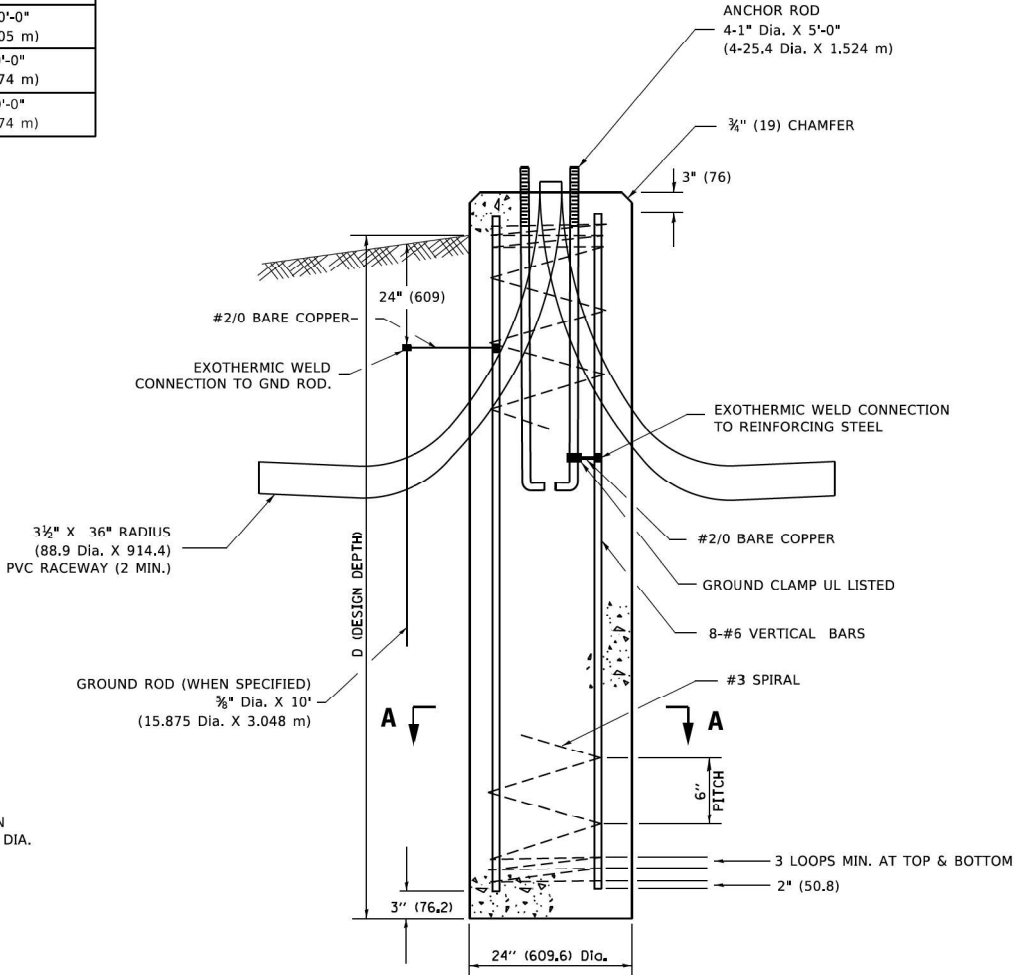
TOP VIEW

NOTES

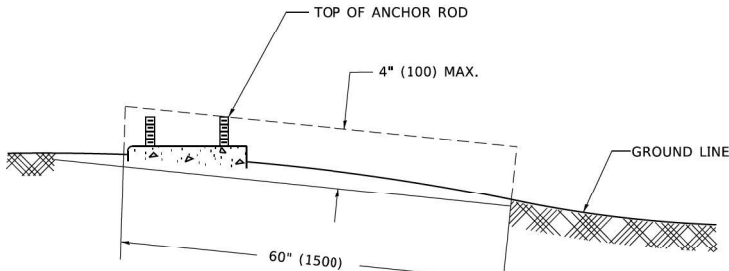
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1139.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



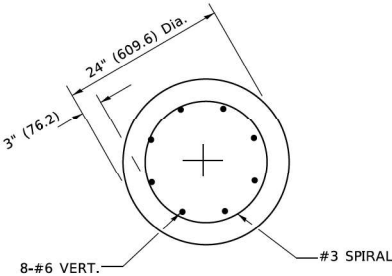
ANCHOR ROD DETAIL



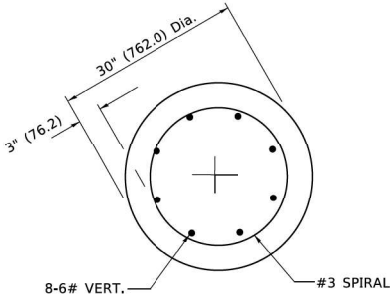
FOUNDATION DETAIL



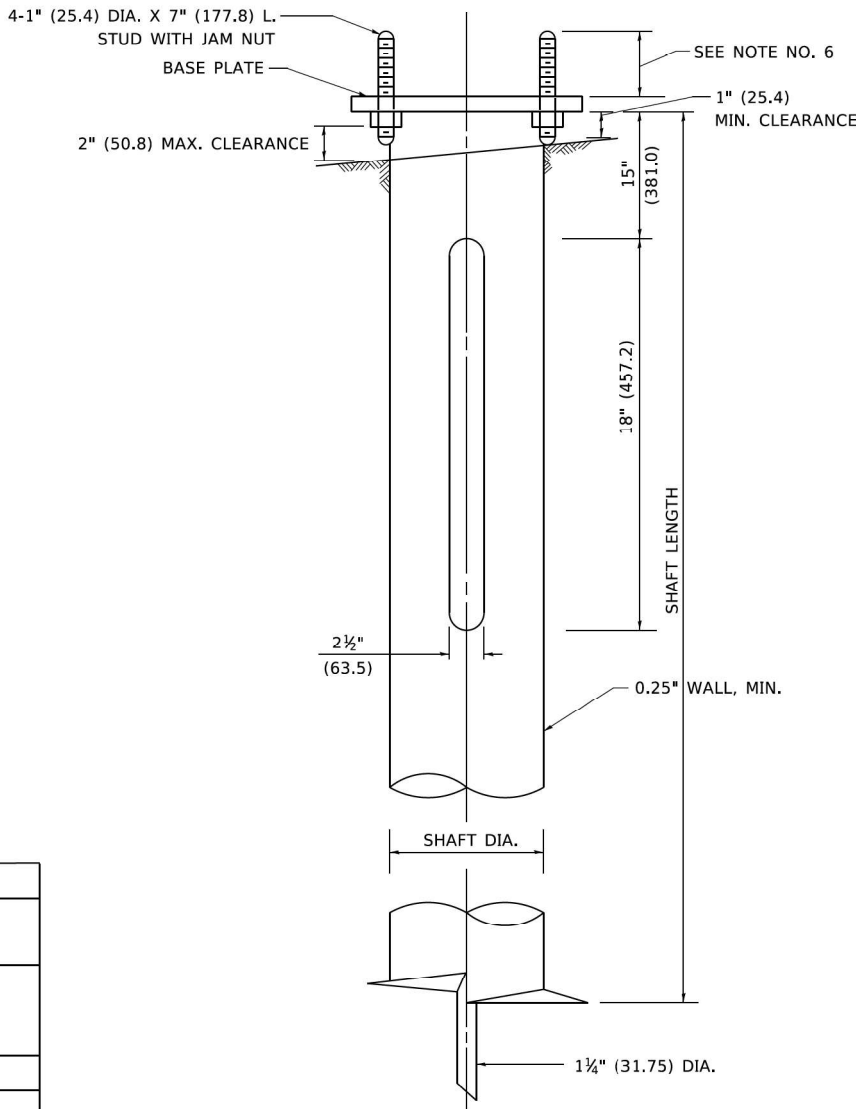
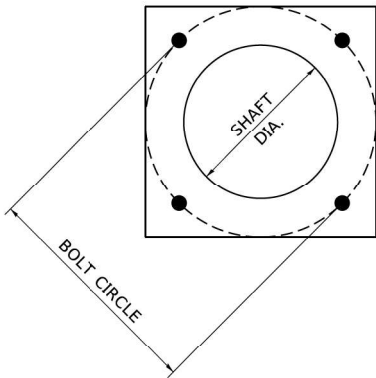
FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A



HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
41 FT.-45 FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1¼"

METAL HELIX FOUNDATION MATERIALS

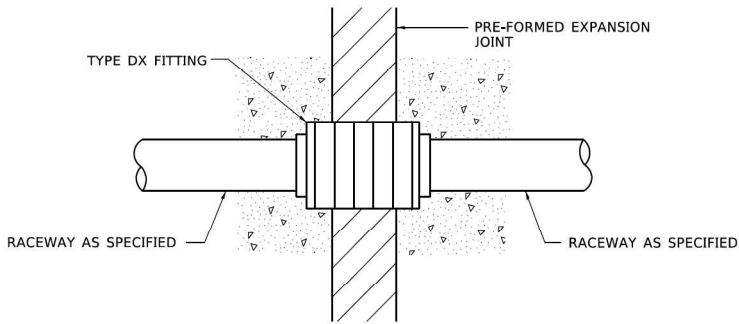
ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

NOTES

- ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
- ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1#4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
- THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
- ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
- METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDTION IS NOT ALLOWED.
- THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
- THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
- THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
- THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORMS.
3. THE CONTRACTOR AT HIS OPTION MAY SUBSTITUTE #4 (15 m) TIES AT 12" (304.8 m) CTRS. FOR THE #3 (3 m) SPIRAL. TACKWELDED TYPE BOLT MAY BE SUBSTITUTED FOR THE HOOK TYPE BOLT.
4. COLD BENDING OF THE HOOK BOLT SHALL NOT BE ALLOWED.
5. EXCAVATION FOR THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER 24 INCHES (609.6 m) IN DIAMETER.
6. THE ENGINEER SHALL DETERMINE THE TYPE OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE USING THE DOMINANT CHARACTERISTIC OF THE SOIL ENCOUNTERED.
7. BARRIER WALL EXPANSION AND CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL 637001-02 AND 637006 AS APPLICABLE.

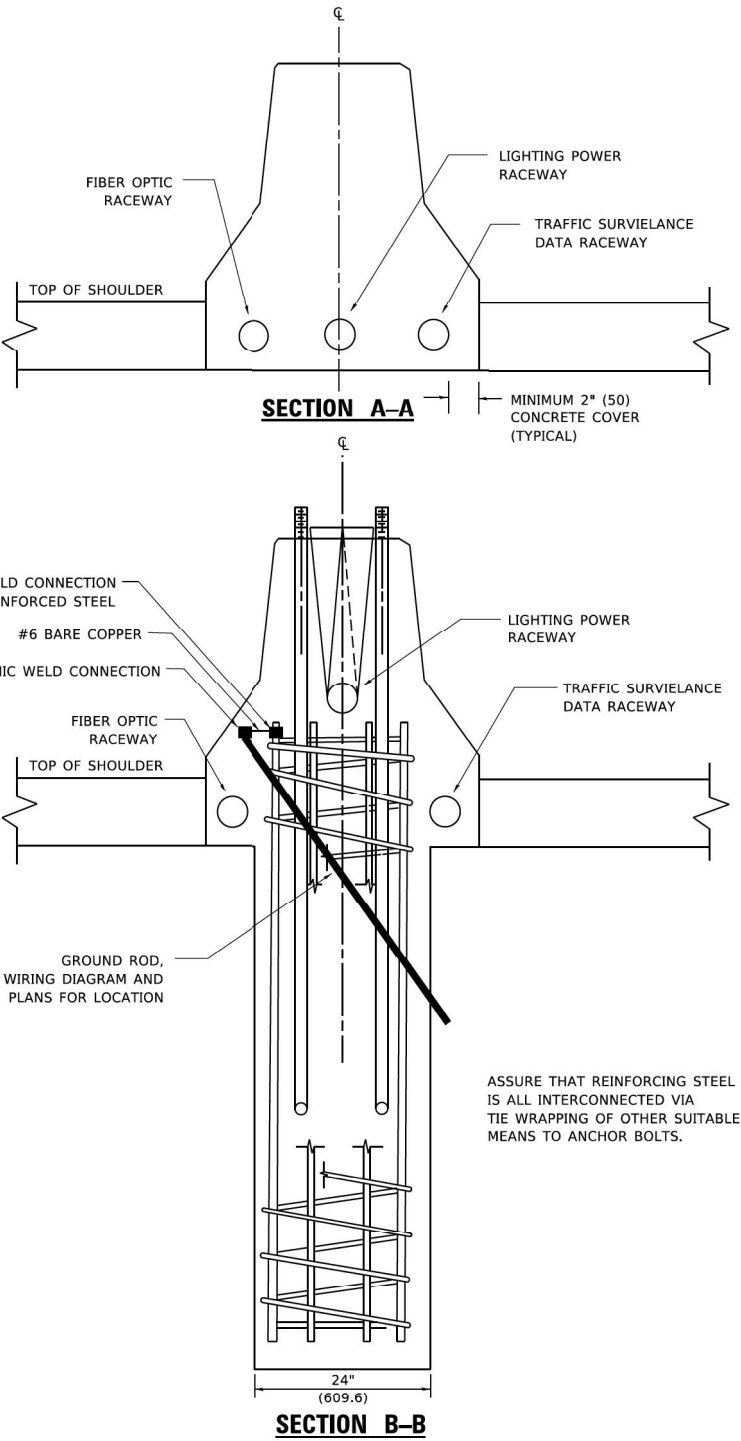
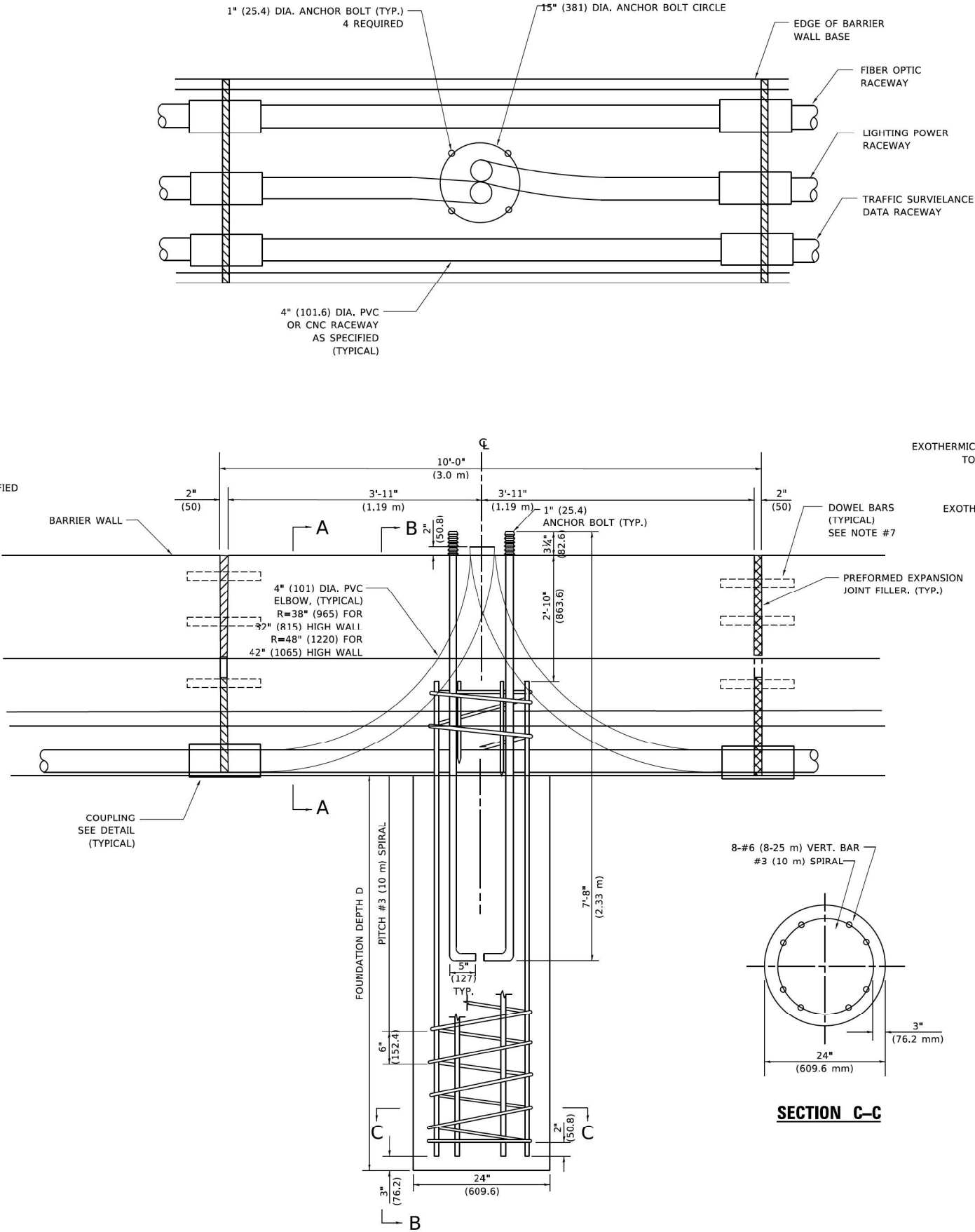


CONDUIT DEFLECTION FITTING DETAIL

FOUNDATION DEPTH

TYPE OF SOIL	FOUND FEPTH D	REINFORCEMENT IN FOUNDATION	
		VERTICAL BARS	SPIRAL
ROCK OR SOLIDIFIED SLAG	5'-0" (1.52 m)	NONE	NONE
DENSE SAND	7'-9" (2.36 m)	8-#6 x 9'-0" (8-20 m x 2.74 m)	#3 x 90' (3 m x 27.43 m)
MEDIUM SAND	8'-3" (2.51 m)	8-#6 x 9'-5" (8-20 m x 2.87 m)	#3 x 94' (3 m x 28.65 m)
LOOSE SAND	9'-0" (2.74 m)	8-#6 x 10'-2" (8-20 m x 3.09 m)	#3 x 100' (3 m x 30.48 m)
STIFF CLAY	7'-0" (2.13 m)	8-#6 x 10'-8" (8-20 m x 2.48 m)	#3 x 80' (3 m x 24.38 m)
MEDIUM CLAY	9'-6" (2.89 m)	8-#6 x 10'-8" (8-20 m x 3.25 m)	#3 x 104' (3 m x 31.69 m)
SOFT CLAY	13'-0" (3.96 m)	8-#6 x 14'-2" (8-20 m x 4.32 m)	#3 x 144' (3 m x 43.89 m)

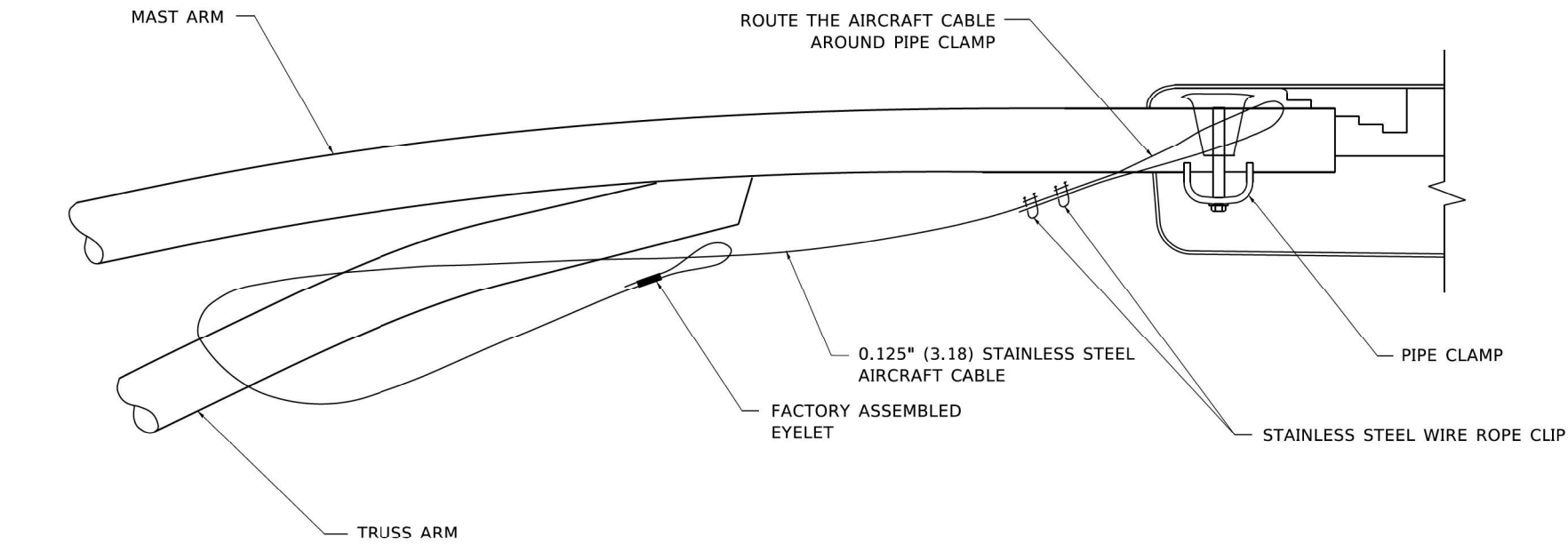
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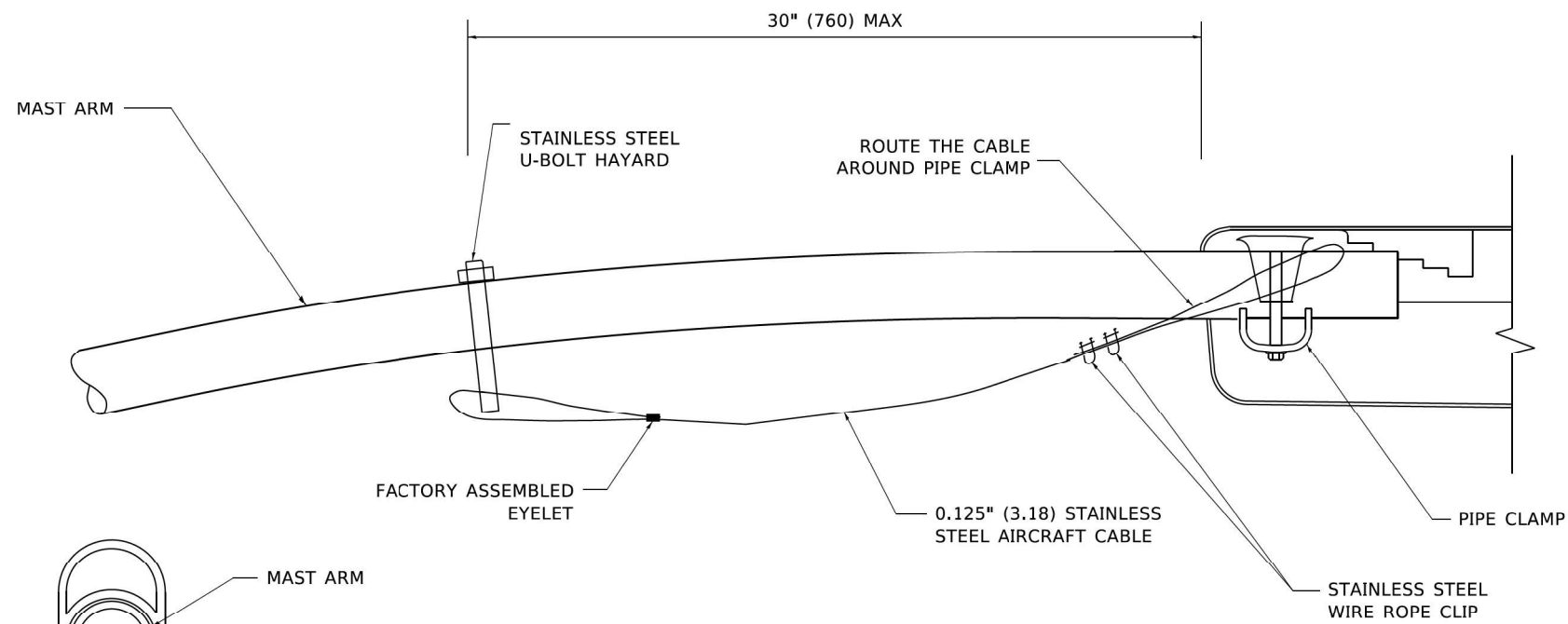
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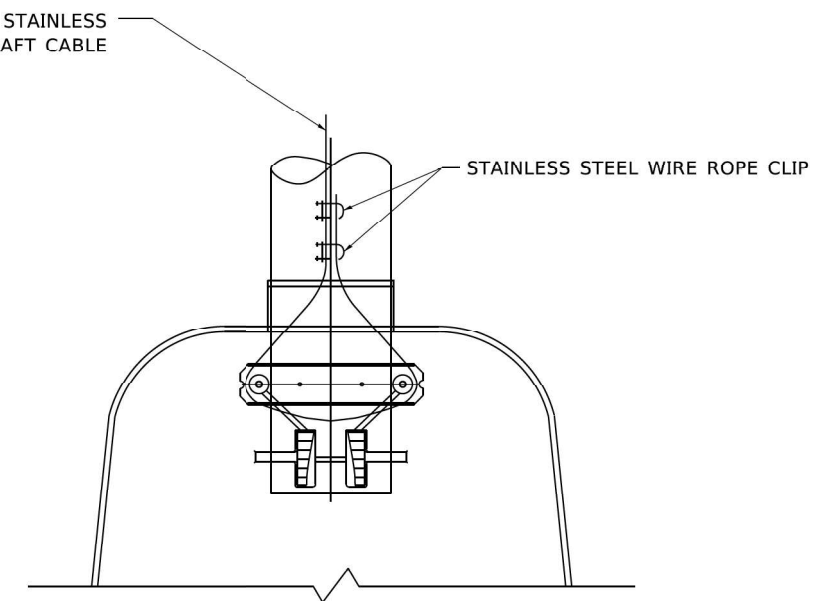
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SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



BOTTOM VIEW
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = footemj
DESIGNED -
DRAWN -
PLOT SCALE = 50.0000' / 1"
PLOT DATE = 4/19/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED - 08-08-03
REVISED -
REVISED -
REVISED -

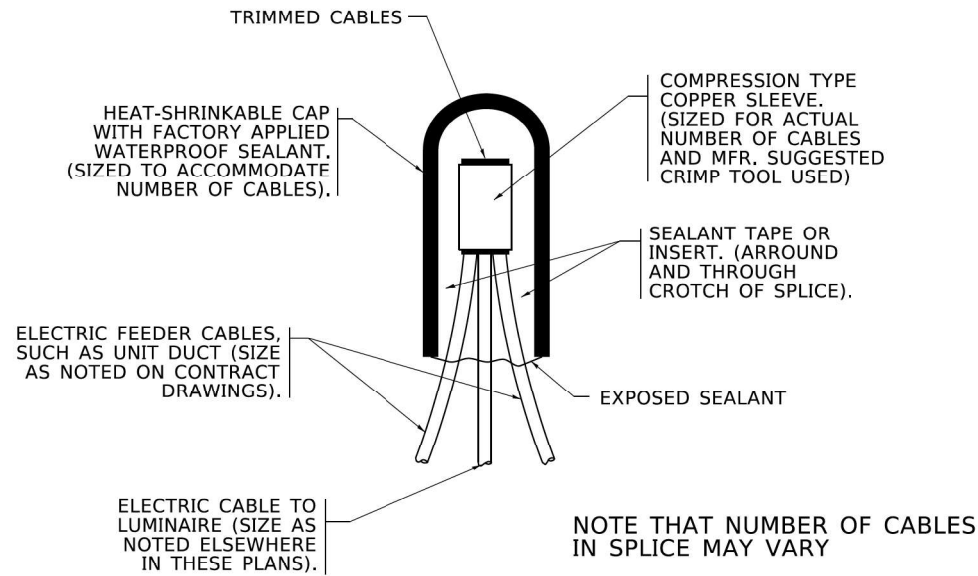
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE SAFETY CABLE ASSEMBLY

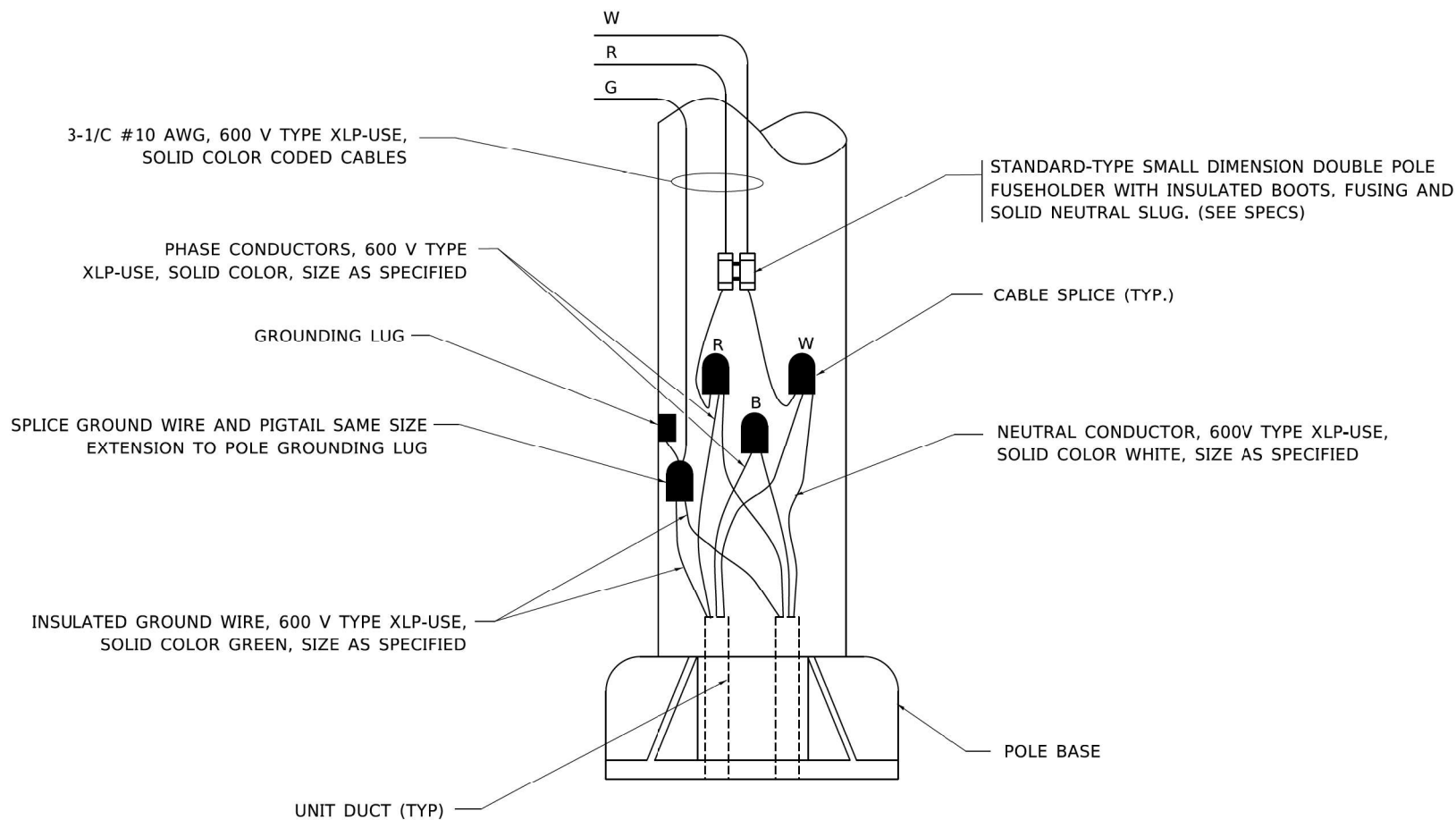
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	593
BE-701		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

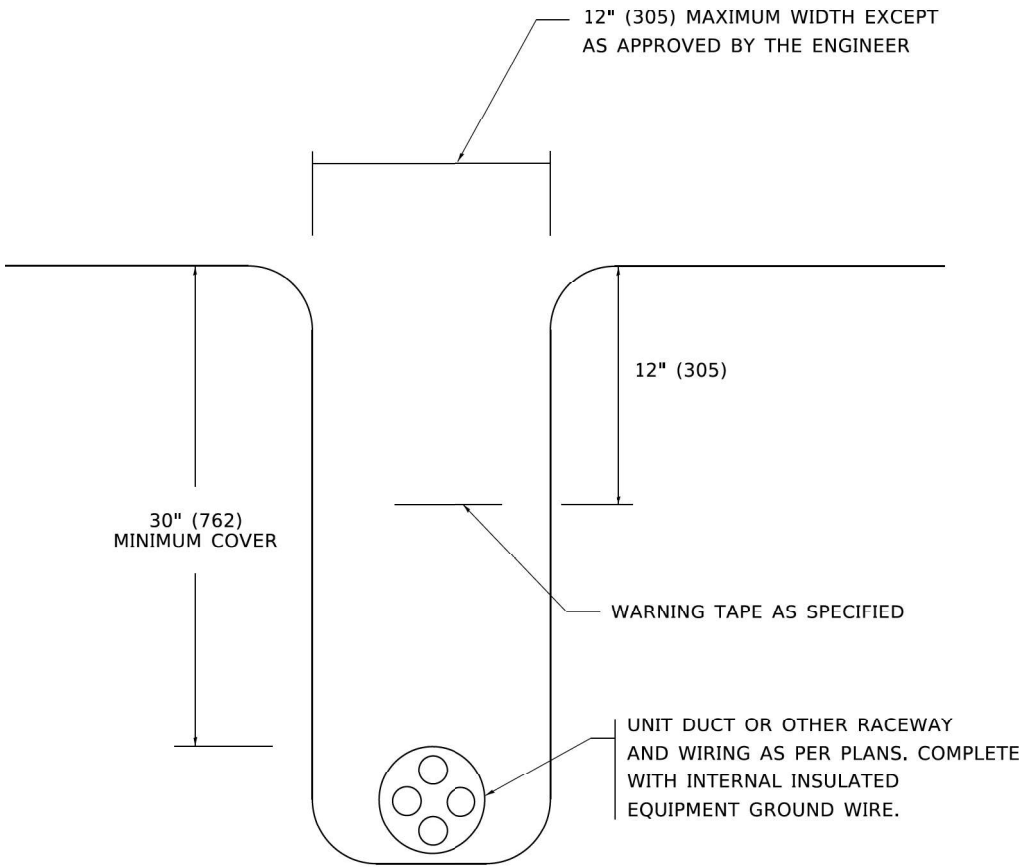
LT-63



TYPICAL SPLICE DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME	= leysa
DESIGNED	-
DRAWN	-
PLOT SCALE	= 50.0000' / 1"
PLOT DATE	= 3/2/2020

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	= 08/08/2003

REVISED	-	02/04/2020
REVISED	-	
REVISED	-	
REVISED	-	

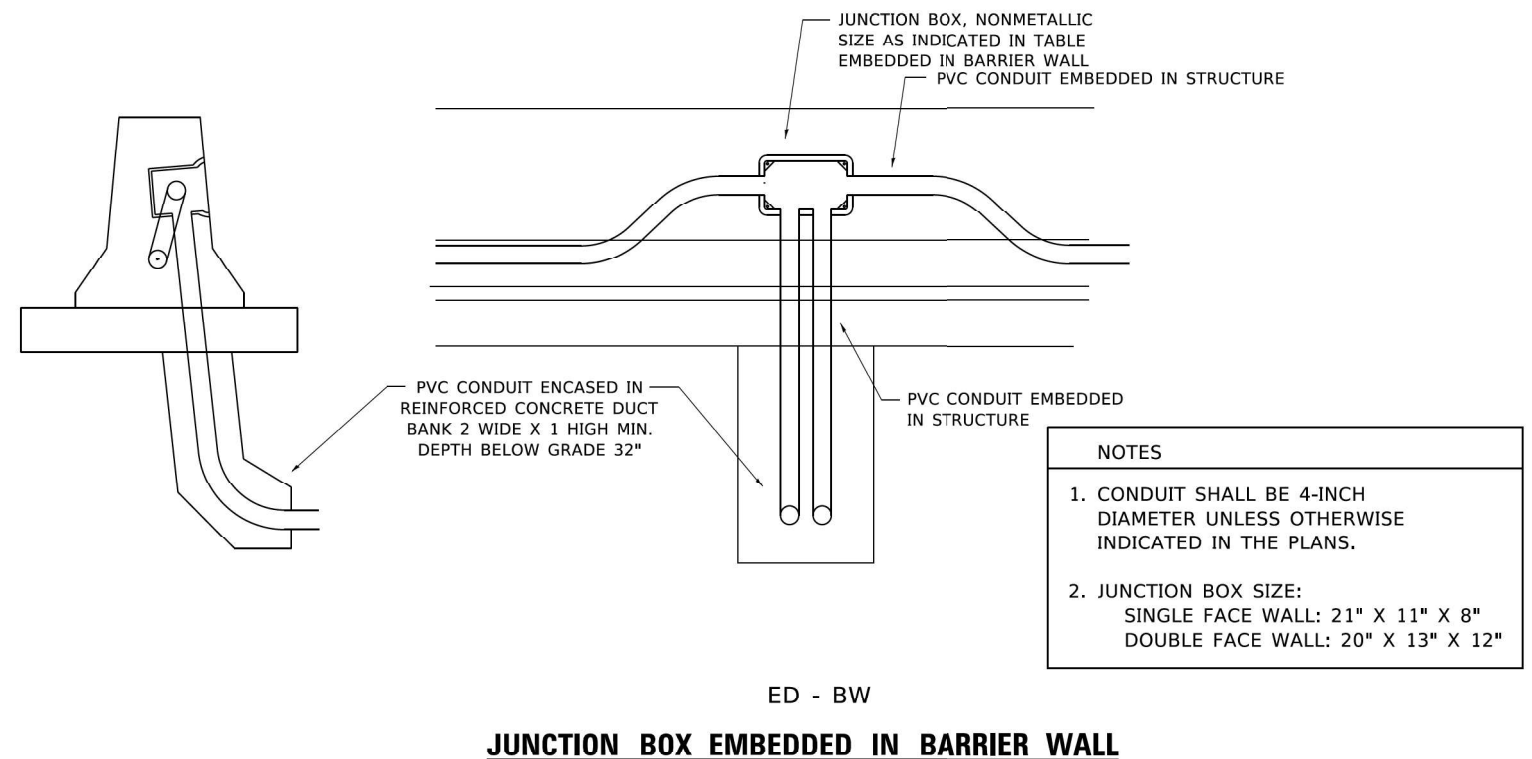
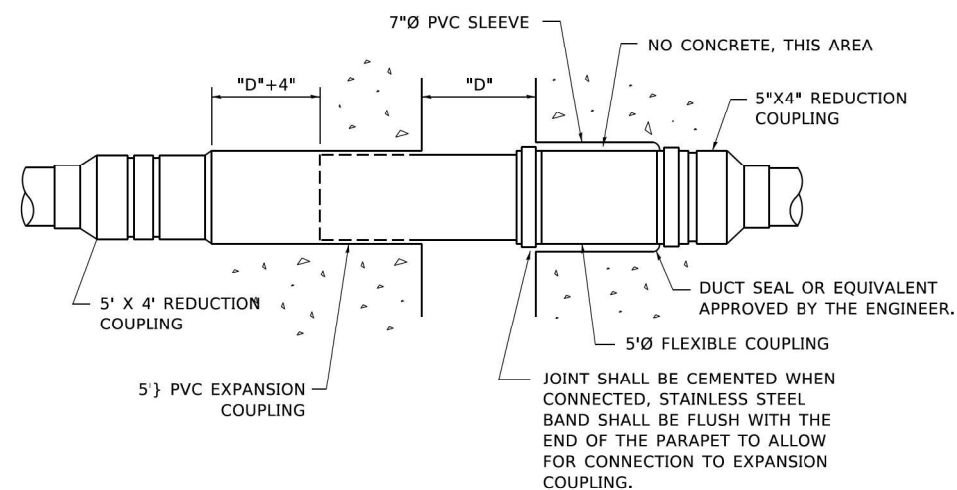
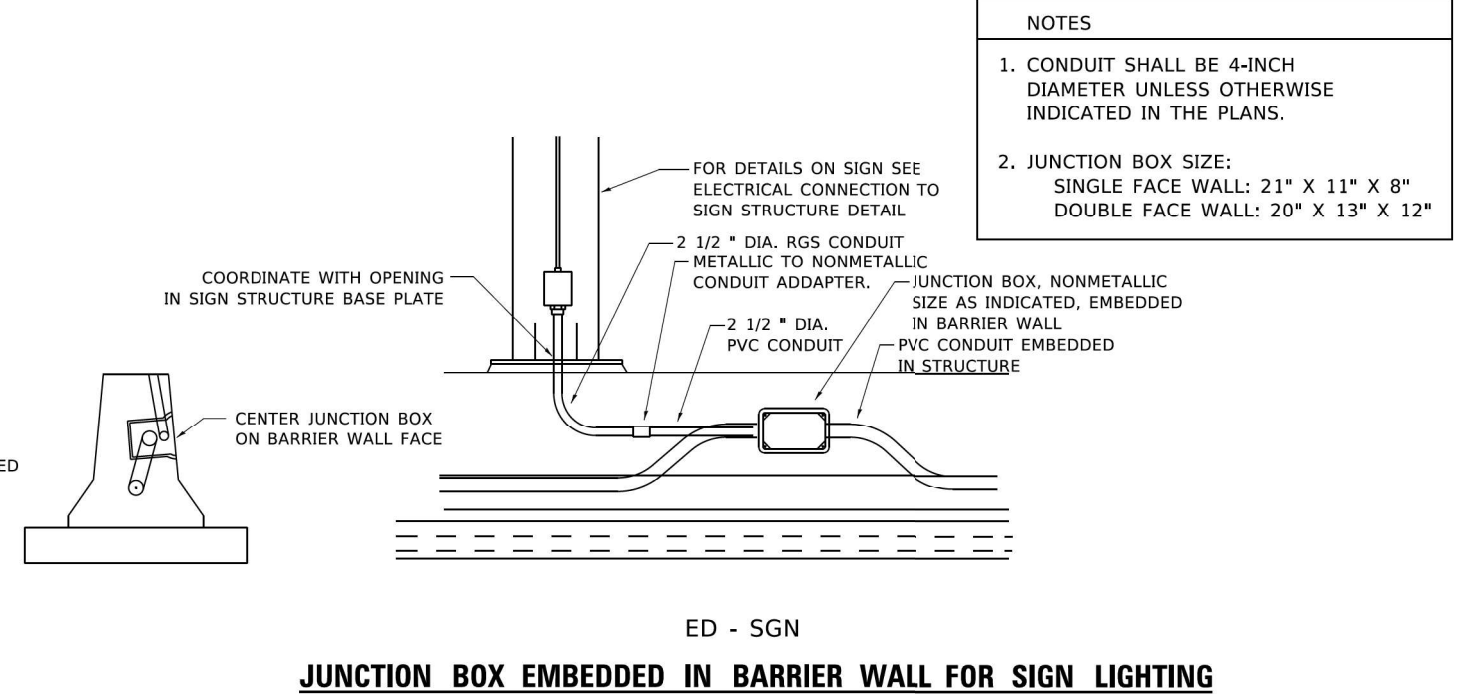
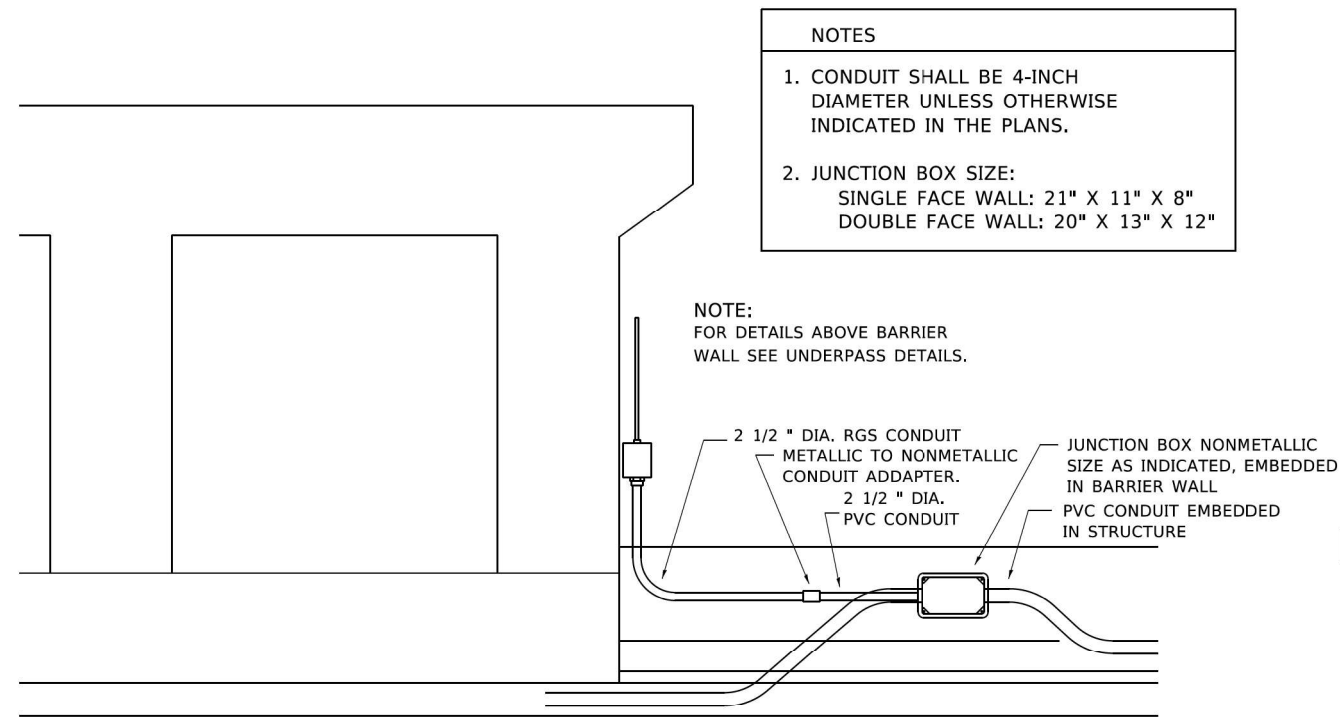
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

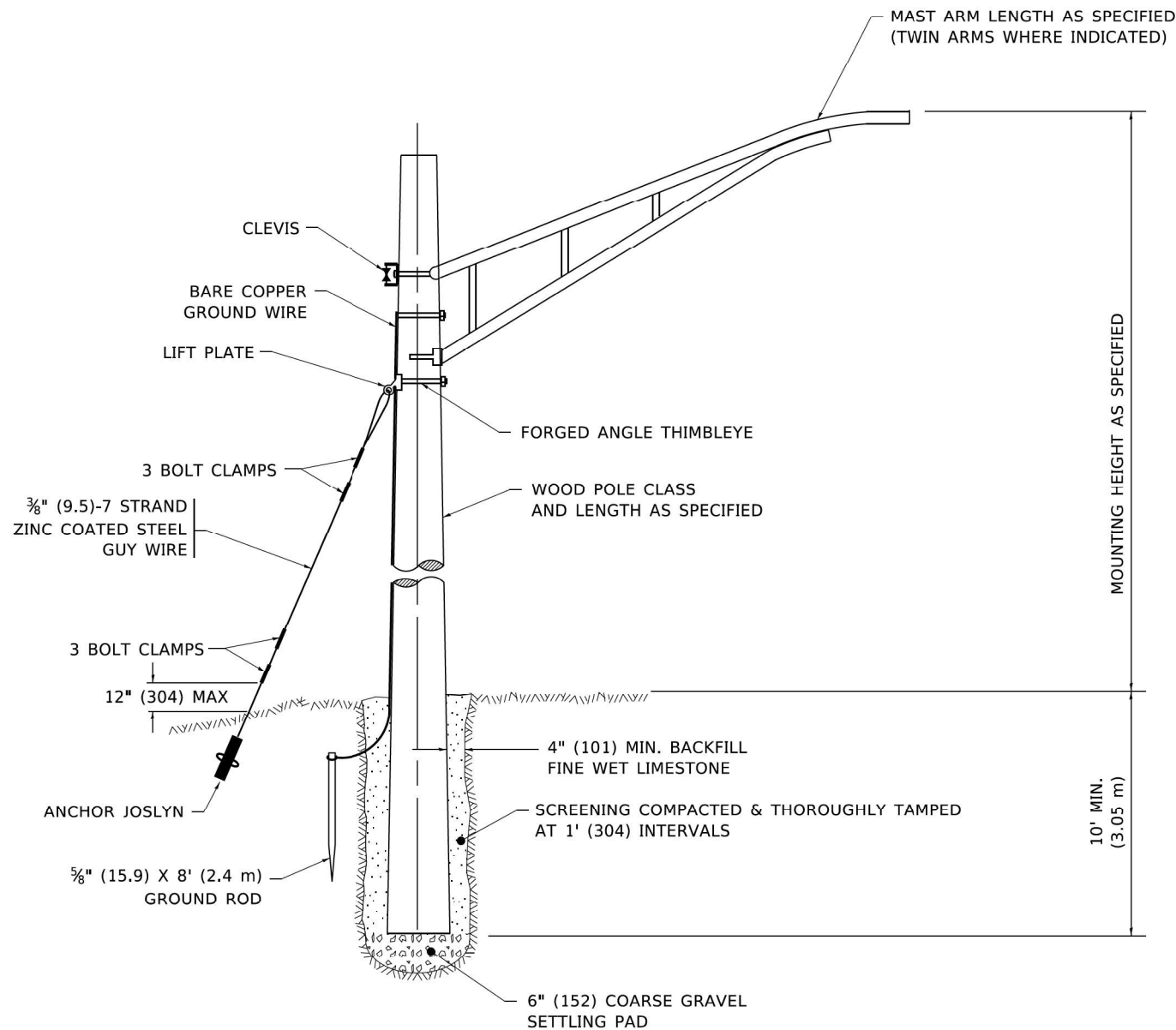
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	594
BE-702		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

LT-64



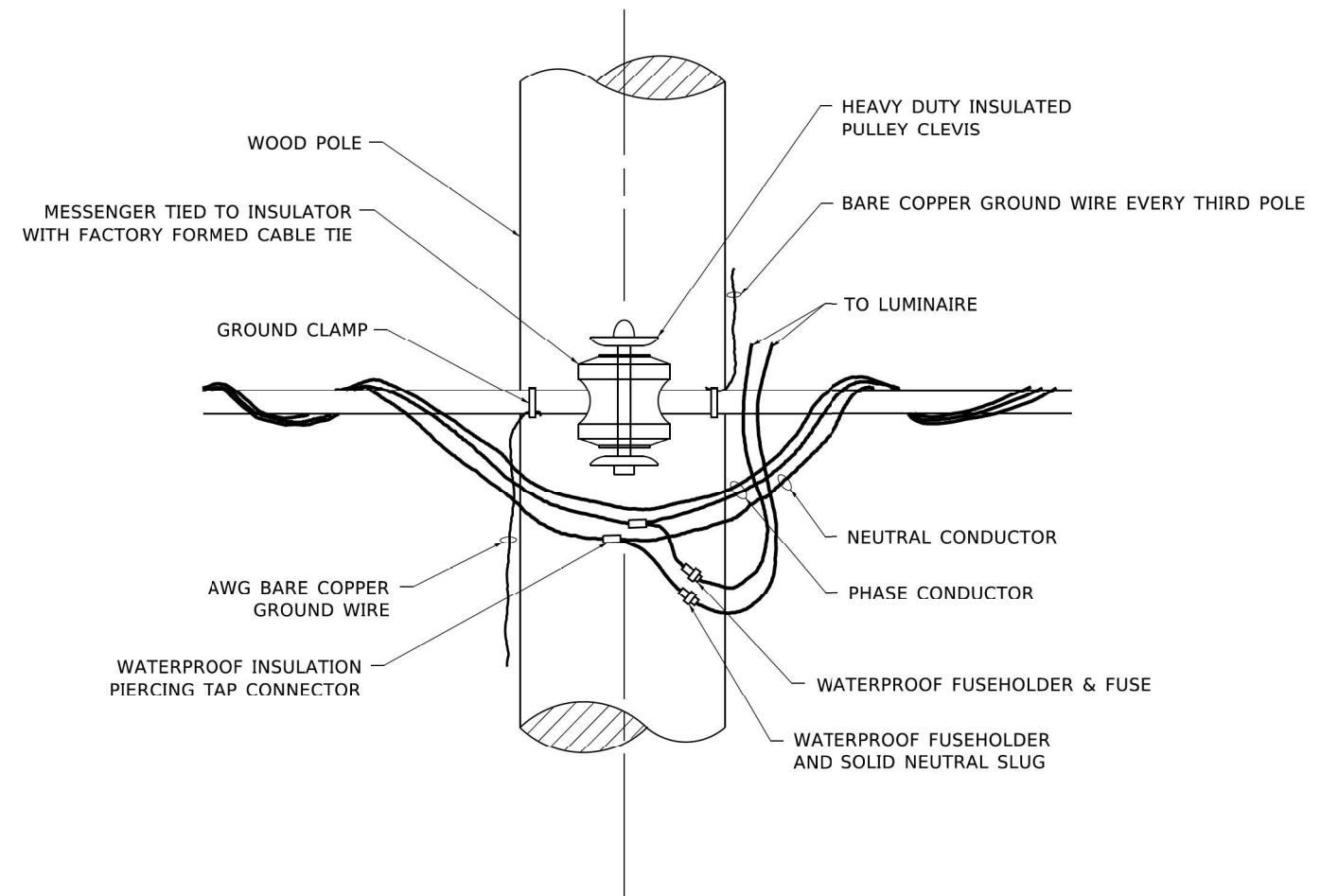
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TEMPORARY LIGHT POLE DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



TEMPORARY LIGHT POLE ATTACHMENT DETAIL



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = footemj	DESIGNED -	REVISED - 08-08-03
	DRAWN -	REVISED - R.T. 07-26-16
PLOT SCALE = 50.0010' / 1"	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

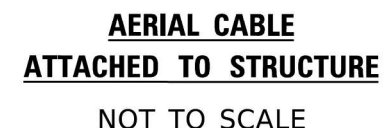
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHT POLE DETAILS

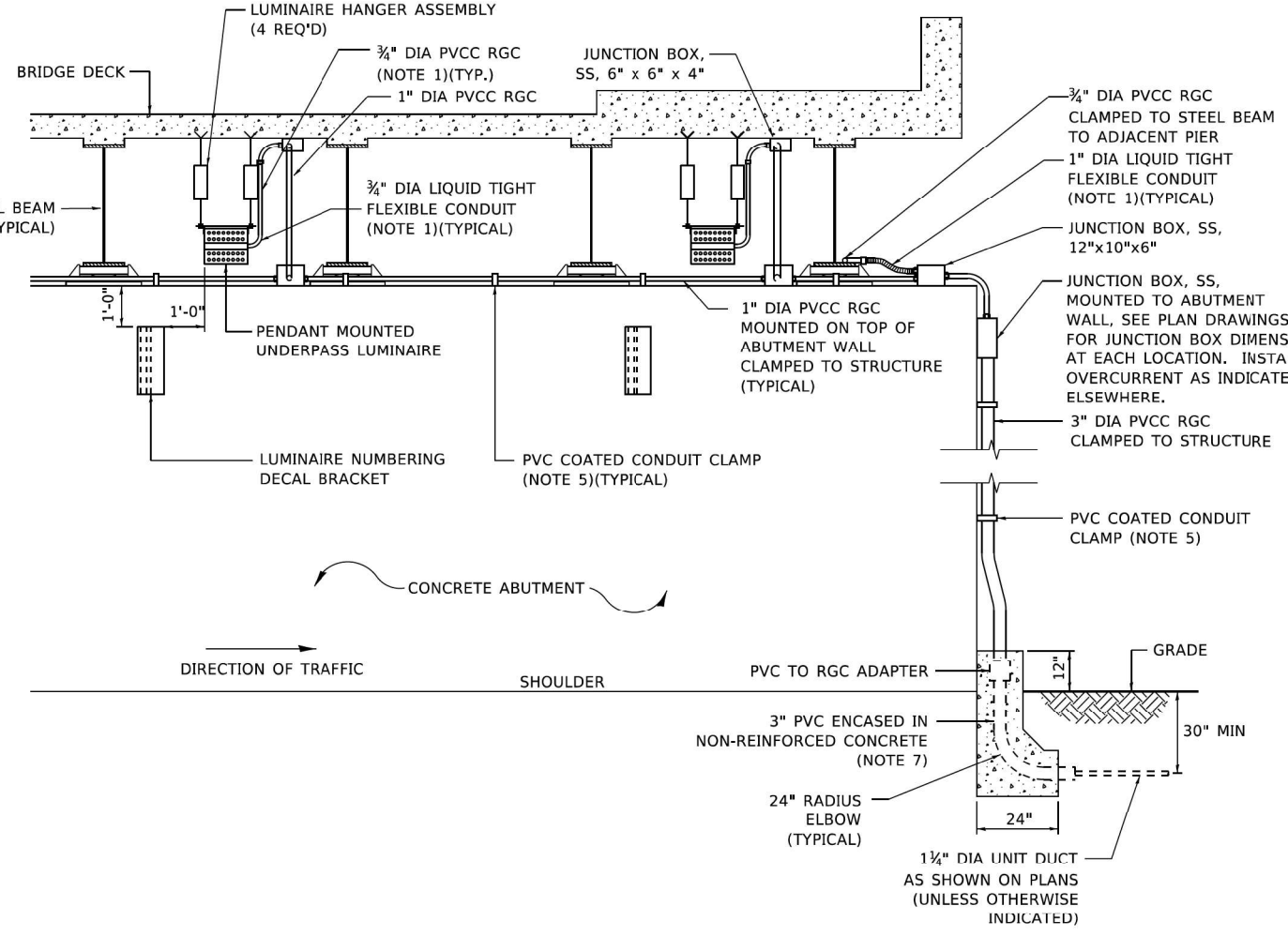
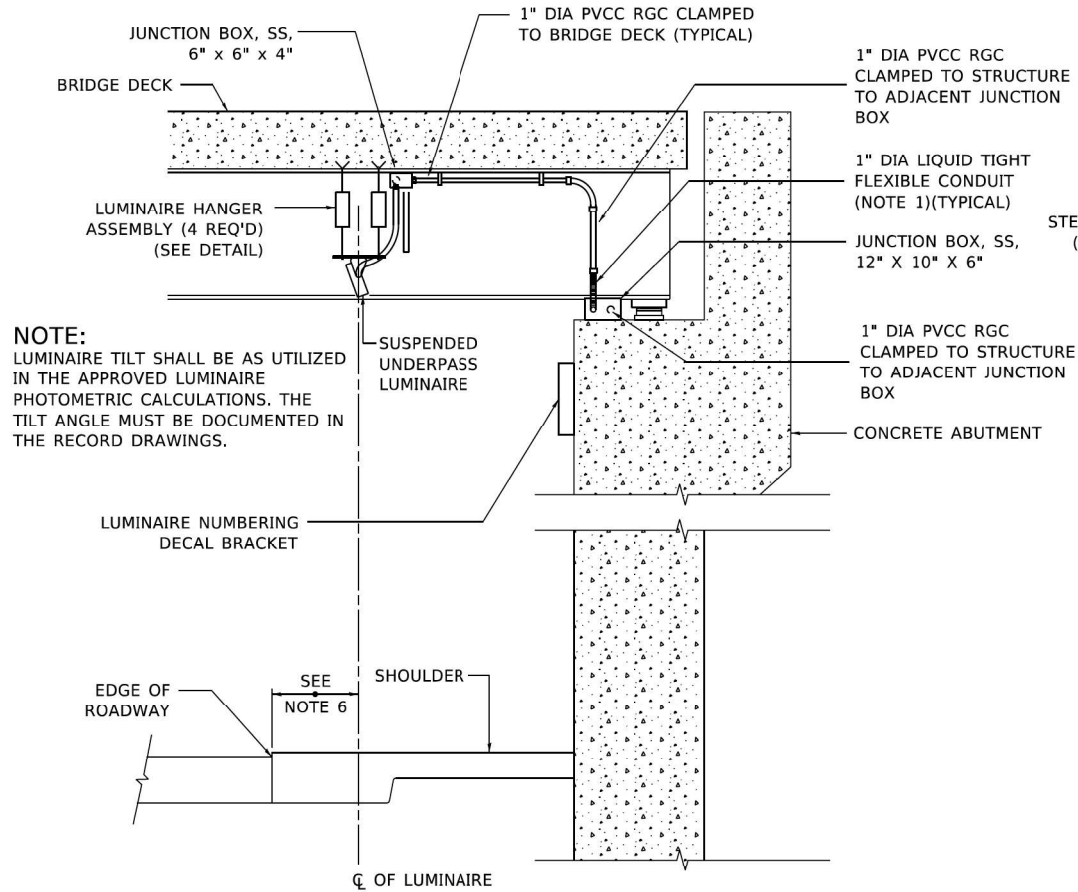
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	596
BE-800		CONTRACT NO. 62W38		
ILLINOIS		FED. AID PROJECT		

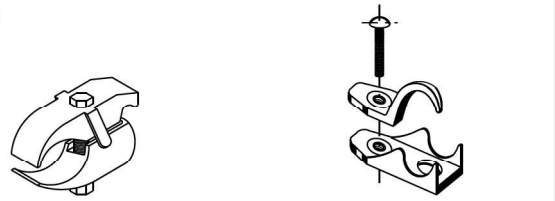
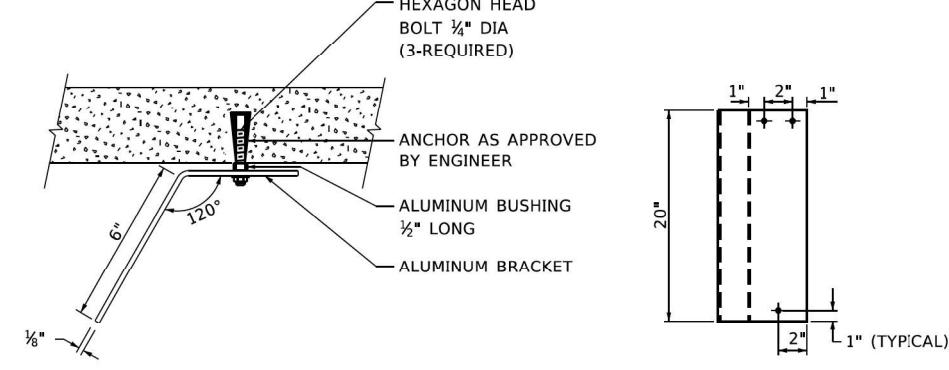
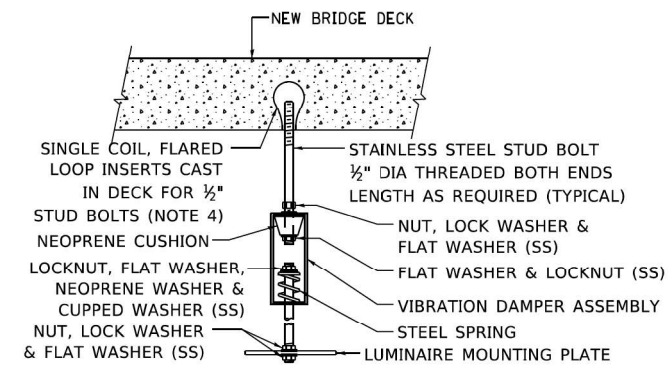
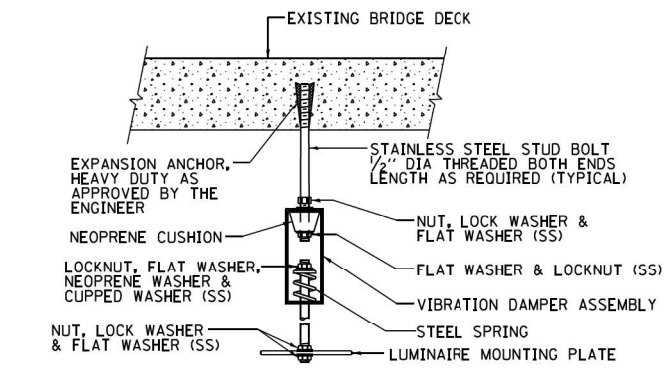
LT-66



1. ALL DIMENSIONS IN INCHES (MILLIMETERS)
UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE
AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS
TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL
AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE
INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



- NOTES:**
1. LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 6'-0", TYPICAL FOR EACH INSTANCE AS SHOWN. PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED NOT TO EXCEED 6'-0" OF FLEXIBLE LIQUID TIGHT METAL CONDUIT. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED PAY ITEM EXCEPT THAT " DIA. CONDUIT AND " DIA. FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE COST OF UNDERPASS LUMINAIRE INSTALLATION.
 2. SEE UNDERPASS LIGHTING PLANS FOR INSTALLATION LOCATION OF UNDERPASS LIGHTING LUMINAIRES.
 3. THE CONTRACTOR SHALL USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN SUSPENDED MOUNTING AN UNDERPASS LUMINAIRE TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND COORDINATING THE INSERT LOCATIONS FOR MOUNTING THE UNDERPASS LIGHTING SYSTEM AS SHOWN ON THE PLANS WITH THE BRIDGE DECK CONTRACTOR. SEE DETAIL.
 4. THE UNDERPASS LUMINAIRE HANGER ASSEMBLY COMPLETE WITH HEAVY DUTY ANCHORS/INSERTS AND ALL APPLICABLE HARDWARE SHALL BE INCLUDED IN THE COST OF THE UNDERPASS LUMINAIRE PAY ITEM.
 5. SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS SHALL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
 6. ALL UNDERPASS LUMINAIRES MUST BE CENTERED IN THE BEAM SPACE AS INDICATED ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGR. LUMINAIRE SETBACK SHALL BE AS INDICATED IN PLANS FOR EACH SPECIFIC UNDERPASS
 7. THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.
 8. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.
 9. IN NO INSTANCE SHALL ANY UNDERPASS LUMINAIRE OR ANY OTHER ELECTRICAL EQUIPMENT BE INSTALLED BELOW THE ELEVATION OF THE BOTTOM OF THE BRIDGE BEAM WHEN OVER ANY PAVEMENT (ROADWAY OR SHOULDER).



EXISTING BRIDGE DECK INSTALLATION

NEW BRIDGE DECK INSTALLATION

TOP VIEW

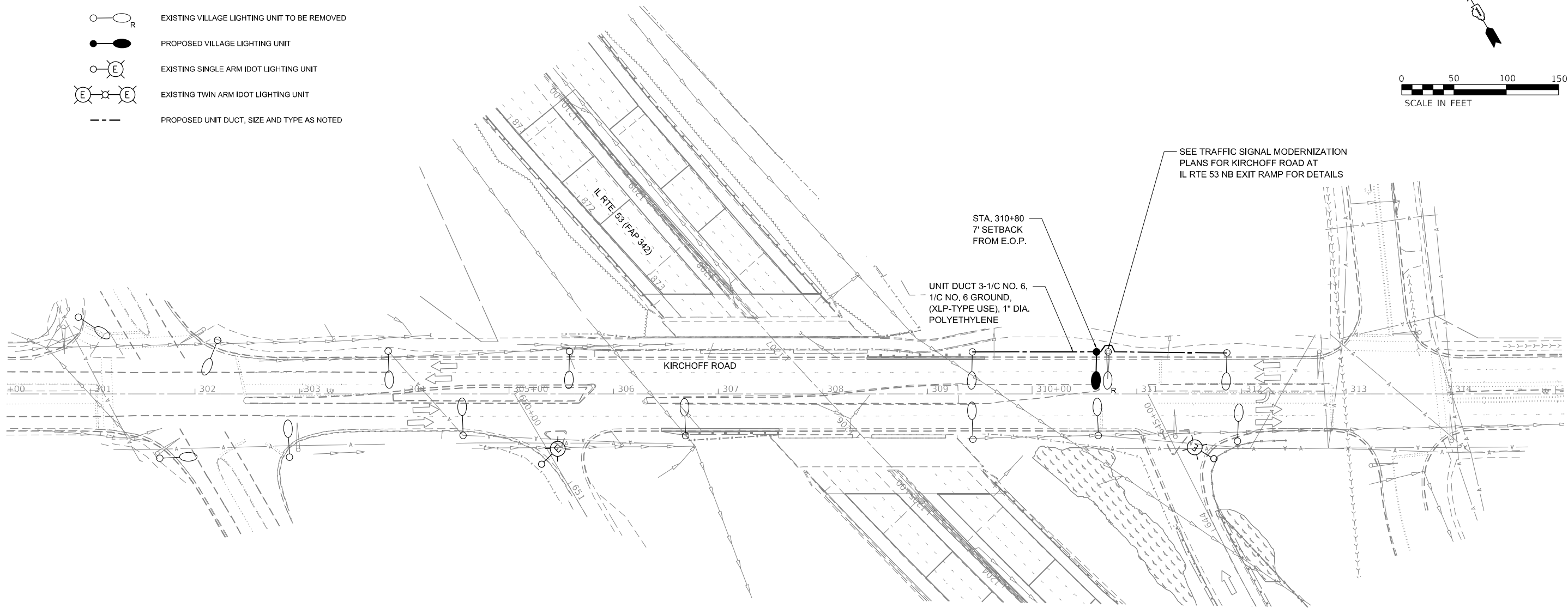
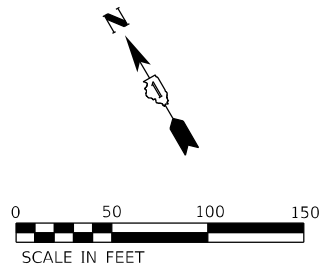
ELEVATION

TYPICAL LUMINAIRE HANGER ASSEMBLY DETAILS

LUMINAIRE NUMBERING DECAL BRACKET

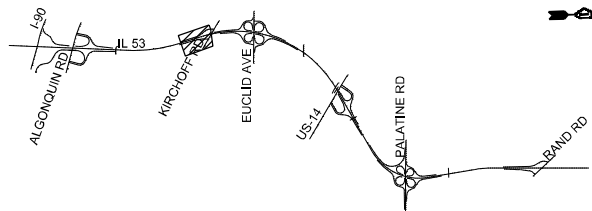
LEGEND

- ○ EXISTING VILLAGE LIGHTING UNIT TO REMAIN
- ○_R EXISTING VILLAGE LIGHTING UNIT TO BE REMOVED
- ○ PROPOSED VILLAGE LIGHTING UNIT
- (E) EXISTING SINGLE ARM IDOT LIGHTING UNIT
- (E) ○ (E) EXISTING TWIN ARM IDOT LIGHTING UNIT
- PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED



SCHEDULE OF QUANTITIES

PAY ITEM NUMBER	DESCRIPTION	UNIT	QTY
81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	350
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	12
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	8
81300800	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 6"	EACH	2
81603047	UNIT DUCT, 600V, 3-1/C NO.6, 1/C NO.6 GROUND, 1 1/4" DIA, POLYETHYLENE	FOOT	255
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,925
82110004	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION D	EACH	1
82110026	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D	EACH	4
82110027	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	8
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	1
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	1
X1400341	REMOVAL OF LUMINAIRE, SALVAGE	EACH	1
X8300001	LIGHT POLE (SPECIAL)	EACH	1
X8360110	LIGHT POLE FOUNDATION (SPECIAL)	FOOT	9
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4



KEY MAP

SINGH
SINGH & ASSOCIATES INC.
CONSULTING ENGINEERS

USER NAME = vnuurcz
PLOT SCALE = 100,0000 ' / in.
PLOT DATE = 9/19/2024

DESIGNED - MAG
DRAWN - ML
CHECKED - MG/RP
DATE - 07/19/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VILLAGE OF ROLLING MEADOWS
LIGHTING REMOVAL AND INSTALLATION PLAN

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 1199+00.00 TO STA. 1213+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	599
CONTRACT NO. 62W38				
ILLINOIS FED. AID PROJECT				

LT-69

