

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	1
		ILLINOIS	CONTRACT NO. 62U48	

09-22-2023 LETTING ITEM 021
 FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**PROPOSED
 HIGHWAY PLANS
 FAI ROUTE I-57 (I-57)**

SECTION 2022 TRAFFIC LT
 PROJECT HSIP-SRPK(501)

HIGH MAST LIGHTING REPLACEMENT

COOK COUNTY

C-91-064-23
 D-91-047-23

TRAFFIC DATA

	2023 ADT	POSTED SPEED
INTERSTATE 57	73,700	55 MPH
VOLLMER ROAD(WEST OF I-57)	17,200	45 MPH
VOLLMER ROAD(EAST OF I-57)	17,200	45 MPH

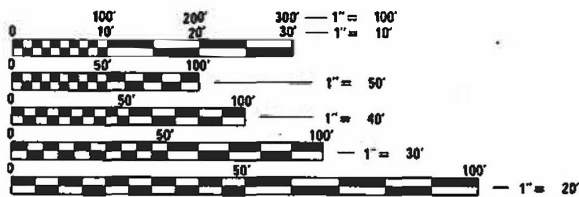
HIGHWAY FUNCTIONAL CLASSIFICATION

INTERSTATE 57	INTERSTATE
VOLLMER ROAD	MINOR ARTERIAL



LOCATION OF SECTION INDICATED THUS: -

PROJECT IS LOCATED IN:
 VILLAGE OF MATTESON
 CITY OF COUNTRY CLUB HILLS

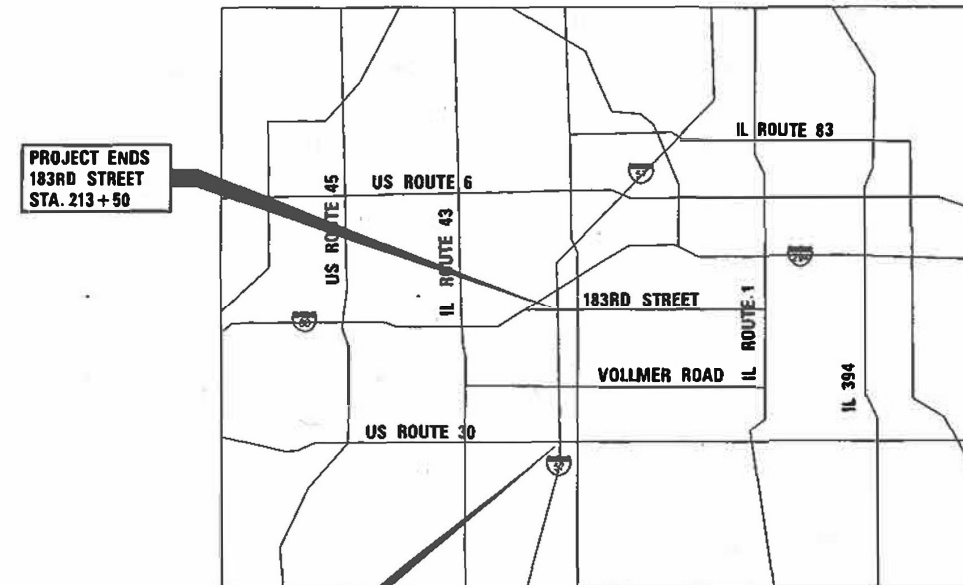


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
 1-800-892-0123
 OR 811
 MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL
 MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL
 EQUIPMENT AND UNDERGROUND CABLES
 773-287-7672

PROJECT MANAGER: TONY GODINHO (847) 705-4442
 PROJECT ENGINEER: TONY GODINHO (847) 705-4442

CONTRACT NO. 62U48



GROSS LENGTH = 18,638 FT. = 3.53 MILE
 NET LENGTH = 18,638 FT. = 3.53 MILE



Diana Decker
 06/20/2023
 DIANA DECKER DATE
 LICENSE NO.: 062-056649
 EXPIRES: 11-30-2023
 SHEETS: 7-20



Rakesh Patel
 06/20/2023
 RAKESHKUMAR D. PATEL DATE
 LICENSE NO.: 062-064617
 EXPIRES: 11-30-2023
 SHEETS: 21-81

SINGH
 SINGH & ASSOCIATES INC.
 CONSULTING ENGINEERS
 230 WEST MONROE STREET
 SUITE 1400
 CHICAGO, IL 60606
 (312) 629-0240
 ILLINOIS PROFESSIONAL DESIGN FIRM
 REGISTRATION NO. 184001139-002

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SUBMITTED JUNE 28 2023
Opal Puro (OP) REGIONAL ENGINEER
 August 18, 2023
S. E. A. Etk
 ENGINEER OF DESIGN AND ENVIRONMENT
 August 18, 2023
Stephen M. Smith
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

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GENERAL NOTES

- SEVENTY-TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT 1-800-892-0123 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO PERFORM WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITIES IN ADVANCE OF WORKING IN THE VICINITY OF THEIR FACILITIES, AND ALLOW SUFFICIENT TIME FOR THEM TO PREFORM ADJUSTMENTS TO THEIR FACILITIES IN ACCORDANCE WITH THE CONTRACTOR'S SCHEDULE. COORDINATION EFFORTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT BID PRICE.
- THE CONTRACTOR MUST CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT INCLUDING THE ROADSIDE DEVELOPEMENT UNIT.
- BARRICADES: TYPE I, TYPE II, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER SO THEY ARE NOT MOVED BY TRAFFIC.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS, IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.0.1 AND 1 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP, AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THE ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT UINCLUDE WEEKENDS OR HOLIDAYS.
- THE CONTRACTOR SHALL EXTRA CARE IN GRADING AND EXCAVATING NEAR EXISTING TREES AS NOT TO CAUSE INJURY TO THE TRUNK, BRANCHES, OR ROOT SYSTEM. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY TTHE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- CAREFULLY MAINTAIN PRESENT GRADE WITHIN DRIPLINE OF ALL EXISTING TREES, PREVENT EXISTING TREES AGAINST UNNECESSARY CUTTING, BREAKING, OR SKINNING OF ROOTS, BRUISING, SKINNING, OR DAMAGING OF BARK OR SMOTHERING OF TREES AND ITS ROOTS. DRIVING, PARKING, DUMPING, STOCKPILING, AND/OR STORAGE OF VEHICLES, EQUIPMENT, SUPPLIES, MATERIAL, OR DEBRIS ON TOP OF THE ROOT ZONES AND/OR DRIPLINE OF EXISTING TREES OR OTHER PLANT MATERIAL IS STRICTLY PROHIBITED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND - NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPEMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPEMENT UNIT AT (847)705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER.

IDOT DISTRICT ONE STANDARD DETAILS

STANDARD NO.	TITLE
BE-206	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-305	LIGHT POLE FOUNDATION, METAL
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-901	SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS
TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-13	LANE CLOSURE FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS 45 MPH TO 55 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701456-05	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN

GEN-01

MODEL: Default
FILE NAME: J:\18235 (2)04_CADD\CADD_Sheets\018235(48)sh-gen-01.dgn



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	DRAWN - MAG	REVISED -
PLOT SCALE = 1,0000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 8/8/2023	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
DISTRICT ONE DETAILS AND GENERAL NOTES**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	2
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

- THE RECOMMENDED WORK ZONE STRATEGY DURING CONSTRUCTION CONSISTS OF THE FOLLOWING STANDARDS FOR WORK ON I-57 AND THE VOLLMER ROAD INTERCHANGE RAMP:
 - IDOT STD. 701106 - OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
 - IDOT STD. 701400 - APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
 - IDOT STD. 701401 - LANE CLOSURE, FREEWAY/EXPRESSWAY
 - IDOT STD. 701411 - MULTI-LANE, TRAFFIC CONTROL AT ENTRANCE OR EXIT RAMP
 - IDOT STD. 701428 - TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY / EXPRESSWAY
 - IDOT STD. 701446 - TWO LANE CLOSURE FREEWAY/EXPRESSWAY
 - IDOT STD. 701901 - TRAFFIC CONTROL DEVICES
 - IDOT D1 STD. 8 - ENTRANCE AND EXIT RAMP CLOSURE DETAILS
 - IDOT D1 STD. 9 - SINGLE LANE WEAVE AND MULTI-LANE WEAVE
 - IDOT D1 STD. 12 - MULTI-LANE FREEWAY PAVEMENT MARKING DETAIL
 - IDOT D1 STD. 17 - TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
- THE RECOMMENDED WORK ZONE STRATEGY DURING CONSTRUCTION CONSISTS OF THE FOLLOWING STANDARDS FOR WORK ON VOLLMER ROAD:
 - IDOT STD. 701101 - 15' TO 24" OFF-RD OPERATIONS, MULTILANE FROM PAVEMENT EDGE
 - IDOT STD. 701421 - LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS 45 MPH TO 55 MPH
 - IDOT STD. 701422 - LANE CLOSURE, MULTILANE, FOR SPEEDS 45 MPH TO 55 MPH
- THE SPEED LIMIT IN THE WORK ZONE OF I-57 SHALL BE REDUCED FROM 55 MPH TO 45 MPH DURING CONSTRUCTION ACTIVITIES.
- ERECT TEMPORARY INFORMATION SIGNS WITHIN THE CONSTRUCTION ZONE IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGNS. VOLLMER ROAD SHALL HAVE A TEMPORARY INFORMATION SIGN AT EACH APPROACH (2 SIGNS). I-57 SHALL HAVE TWO TEMPORARY INFORMATION SIGNS AT EACH APPROACH (4 SIGNS). SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.

SHOULDER AND RAMP CLOSURES

- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTICLES EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD
 - THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC

THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' TO 200' IN ADVANCE OF THE WORKERS.

FREEWAY / EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS

- ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.12
- WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
- EXITING THE WORK ZONE AT ANY PLACE OTHER THAN THE WORK ZONE EXIT OPENING WILL BE PROHIBITED.
- ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS.
- FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

MODEL: R0001.MXD
 FILE NAME: R0001.DWG
 8/25 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorka.com



USER NAME = Roadway	DESIGNED - TBH	REVISED -
	DRAWN - VZ	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - EPS	REVISED -
PLOT DATE = 6/21/2023	DATE - 3/20/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC GENERAL NOTES I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET			
SCALE: N.T.S.	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	16-00195-00-ES	COOK	77	3
				CONTRACT NO. 62U48
		ILLINOIS	FED. AID PROJECT	

MOT-01

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE ROADWAY	90% FED 10% STATE LIGHTING
				0005	0021
20200100	EARTH EXCAVATION	CU YD	370	370	-
20400800	FURNISHED EXCAVATION	CU YD	185	185	-
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,159	2,159	-
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	1,000	1,000	-
25000210	SEEDING, CLASS 2A	ACRE	3	3	-
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	241	241	-
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	241	241	-
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	241	241	-
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,500	1,500	-
28000305	TEMPORARY DITCH CHECKS	FOOT	500	500	-
28000400	PERIMETER EROSION BARRIER	FOOT	9,148	9,148	-
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	15	15	-
67100100	MOBILIZATION	L SUM	1	1	-
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2	-	2
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	-	1
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	75	-	75
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	1,980	-	1,980
81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,454	-	1,454

MODEL: Default
FILE NAME: J:\16235\2024_CADD\CADD_Sheets\162U48-SEP-01.dgn



USER NAME = mgarvda	DESIGNED - VN/MAG	REVISED -
	DRAWN - MAG	REVISED -
PLOT SCALE = 2" / 1"	CHECKED - MG	REVISED -
PLOT DATE = 6/29/2023	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	4
			CONTRACT NO. 62U48	
		ILLINOIS	FED. AID PROJECT	

S0Q-01

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	90% FED 10% STATE
				ROADWAY 0005	LIGHTING 0021
			URBAN		
81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	100	-	100
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	26	-	26
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	13	-	13
81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	7	-	7
81603081	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	48,705	-	48,705
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4,577	-	4,577
81702220	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	381	-	381
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	190	-	190
82110027	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	26	-	26
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	190	-	190
83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8"	EACH	190	-	190
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	190	-	190
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2	-	2
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2	-	2
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2	-	2
X1400190	REMOVAL OF HIGH MAST LUMINAIRES, SALVAGE	EACH	153	-	153
X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	12,951	12,951	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	-
X1400402	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL), RADIO SCADA, FIBER OPTIC	EACH	2	-	2

MODEL: Default
FILE NAME: \\snp\projects\12235.0206_CADD\CADD_Sheet\0162148-entire-02.dgn



USER NAME ■ vnlunez	DESIGNED - VNMAG	REVISED -
	DRAWN - MAG	REVISED -
PLOT SCALE ■ 1" = 1'	CHECKED - MG	REVISED -
PLOT DATE ■ 6/26/2023	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	5
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

S00-02

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	90% FED 10% STATE
				ROADWAY 0005	LIGHTING 0021
			URBAN		
X8420111	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	38	-	38
84200605	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	48	-	48
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	48	-	48
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	-
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	155	155	-
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	190	-	190
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	15	-	15
Ø Z0076600	TRAINEES	HOURS	1500	1500	
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	1500	1500	

MODEL: Default
FILE NAME: J:\0225\0204_CADD\CADD_Sheets\0225\0204-SP-SQ-03.dgn

Ø 0042
SQ0-03



USER NAME = mgarvida	DESIGNED - VN/MAG	REVISED -
	DRAWN - MAG	REVISED -
PLOT SCALE = 2" / 1in.	CHECKED - MG	REVISED -
PLOT DATE = 6/29/2023	DATE - 6/30/2023	REVISED -

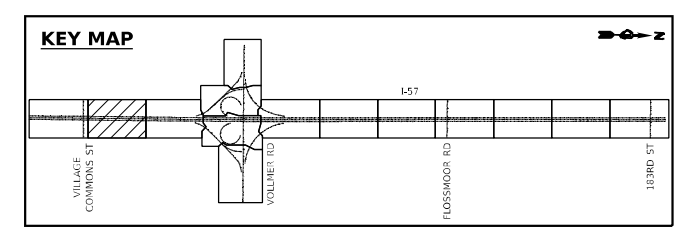
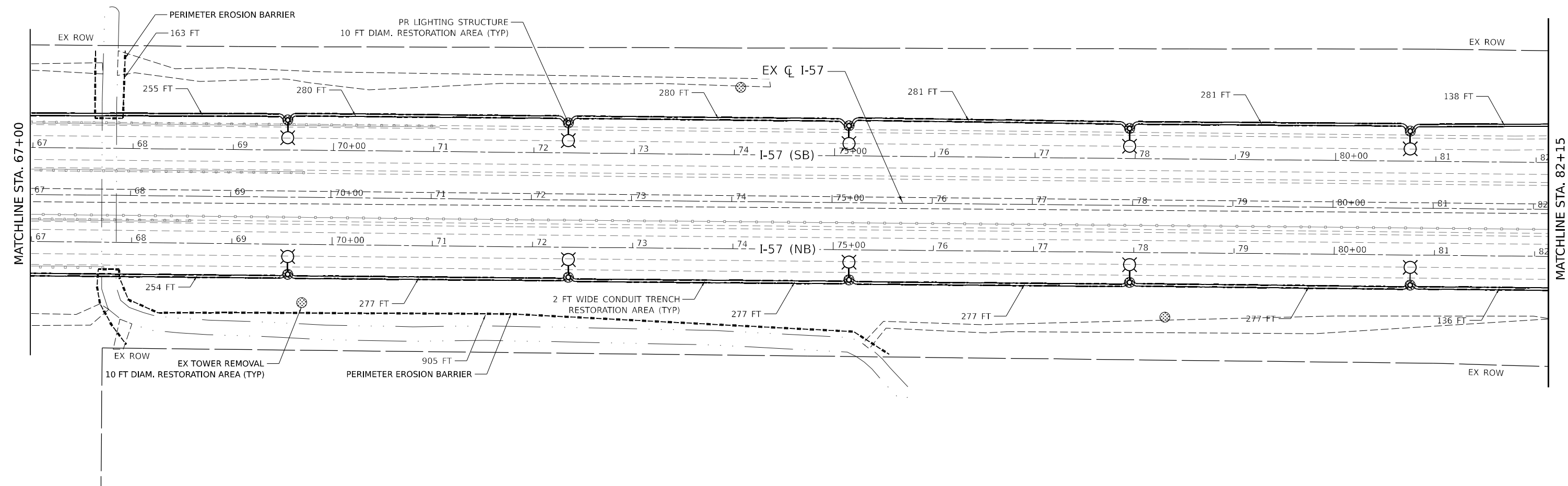
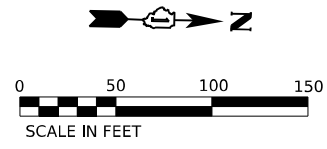
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	6
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

REV-SEP



MODEL: 1408161.MXD
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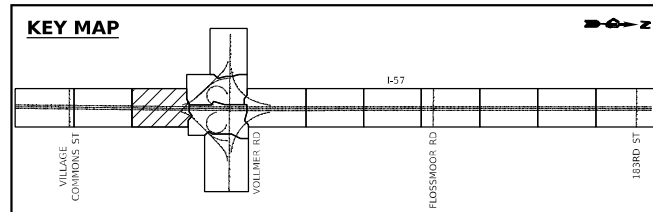
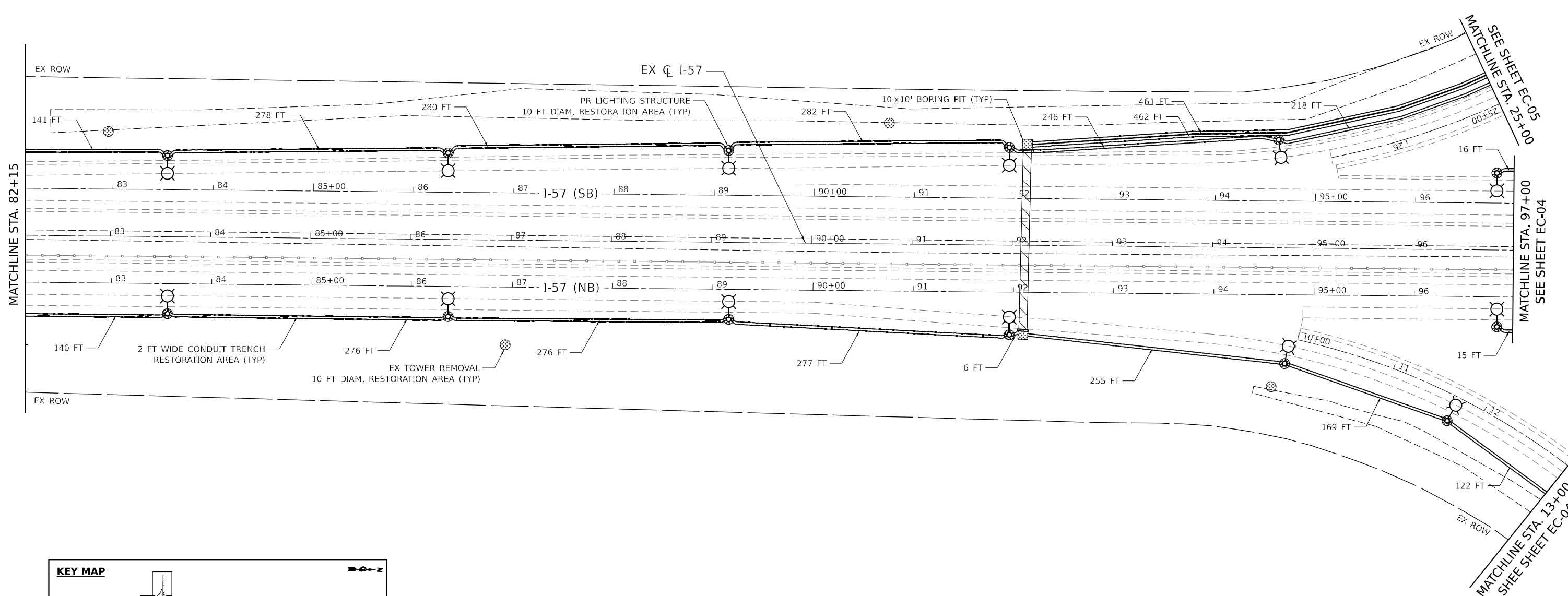
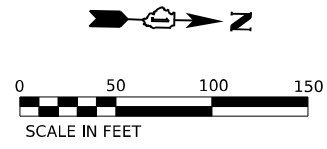
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 8
SCALE: 1" = 50'			CONTRACT NO. 62U48	
SHEET 2 OF 14 SHEETS		ILLINOIS FED. AID PROJECT		

EC-02



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EC-03



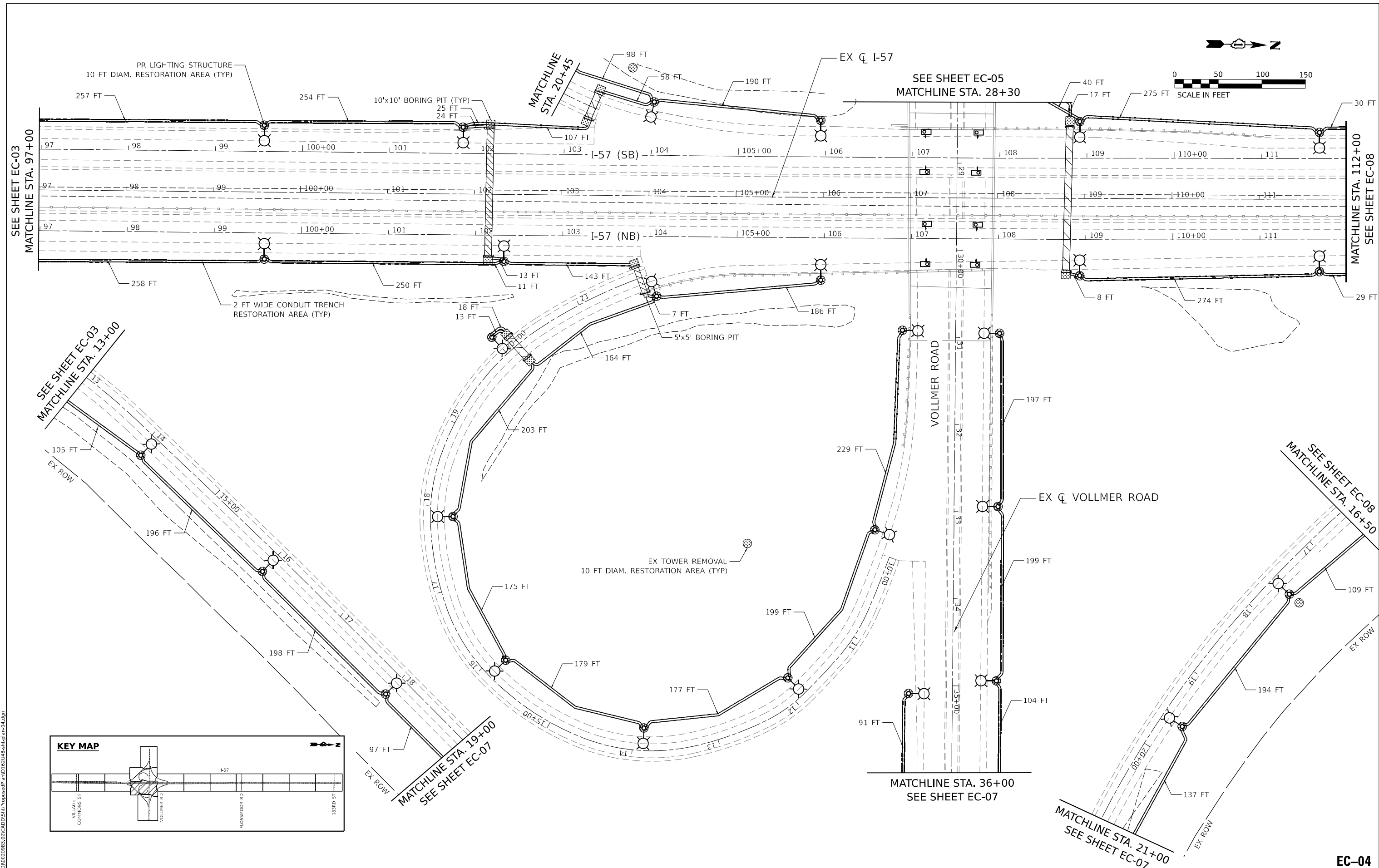
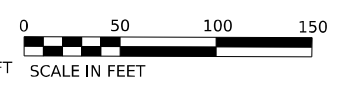
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

SCALE: 1" = 50' SHEET 3 OF 14 SHEETS STA. 82+15 TO STA. 97+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	16-00195-00-ES	COOK	77	9
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	



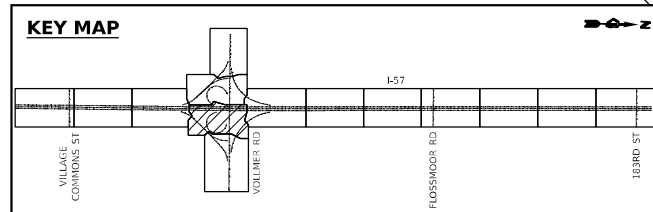
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MATCHLINE STA. 13+00

MATCHLINE STA. 19+00
SEE SHEET EC-07

MATCHLINE STA. 36+00
SEE SHEET EC-07

MATCHLINE STA. 21+00
SEE SHEET EC-07

SEE SHEET EC-08
MATCHLINE STA. 16+50



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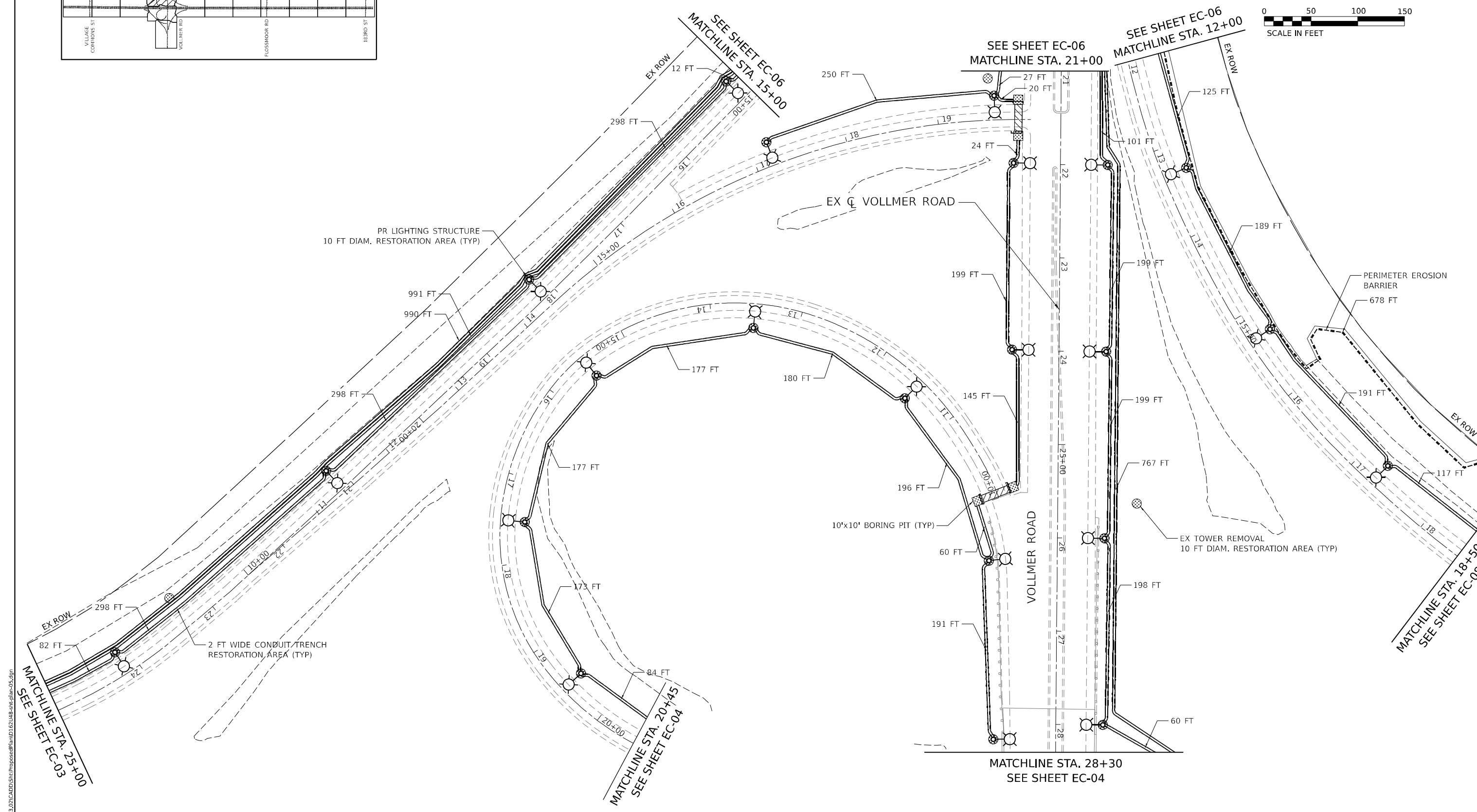
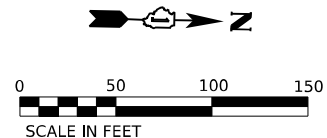
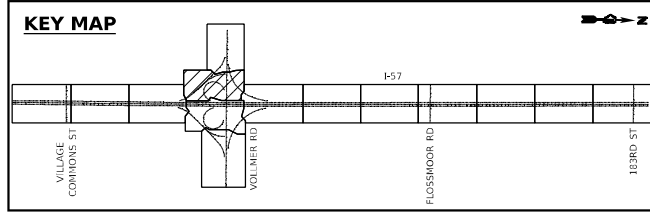
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET
SCALE: 1" = 50' SHEET 4 OF 14 SHEETS STA. 97+00 TO STA. 112+00

F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 10
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

EC-04



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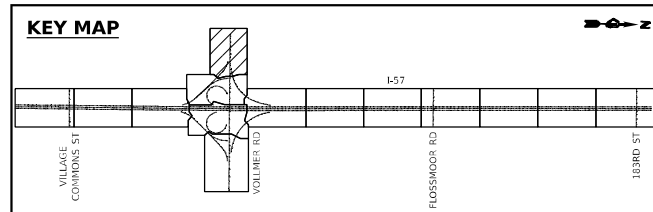
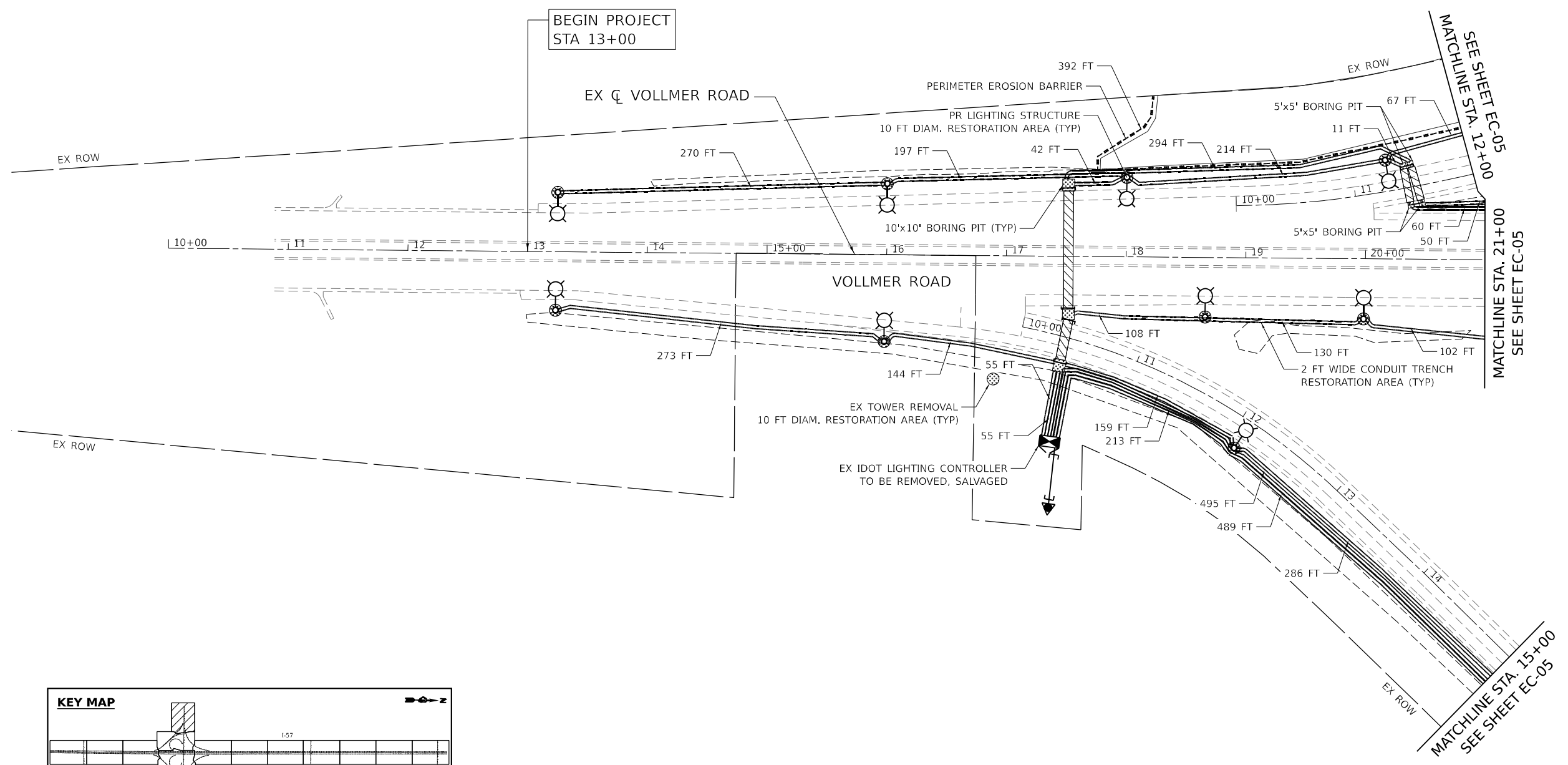
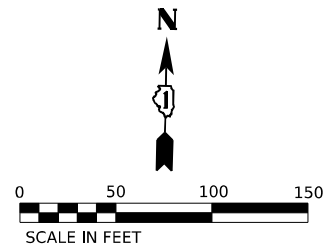
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET
 SCALE: 1" = 50' SHEET 5 OF 14 SHEETS STA. 21+00 TO STA. 28+30

F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 11
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

EC-05



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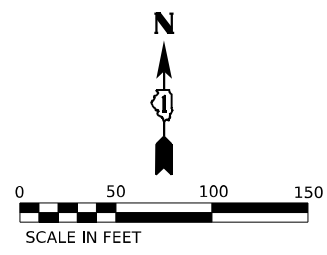
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

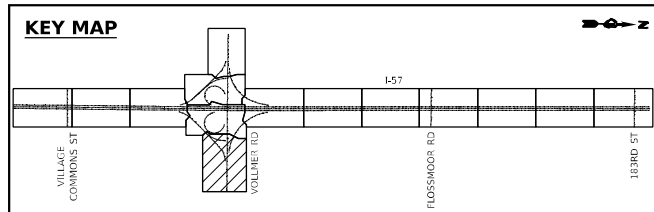
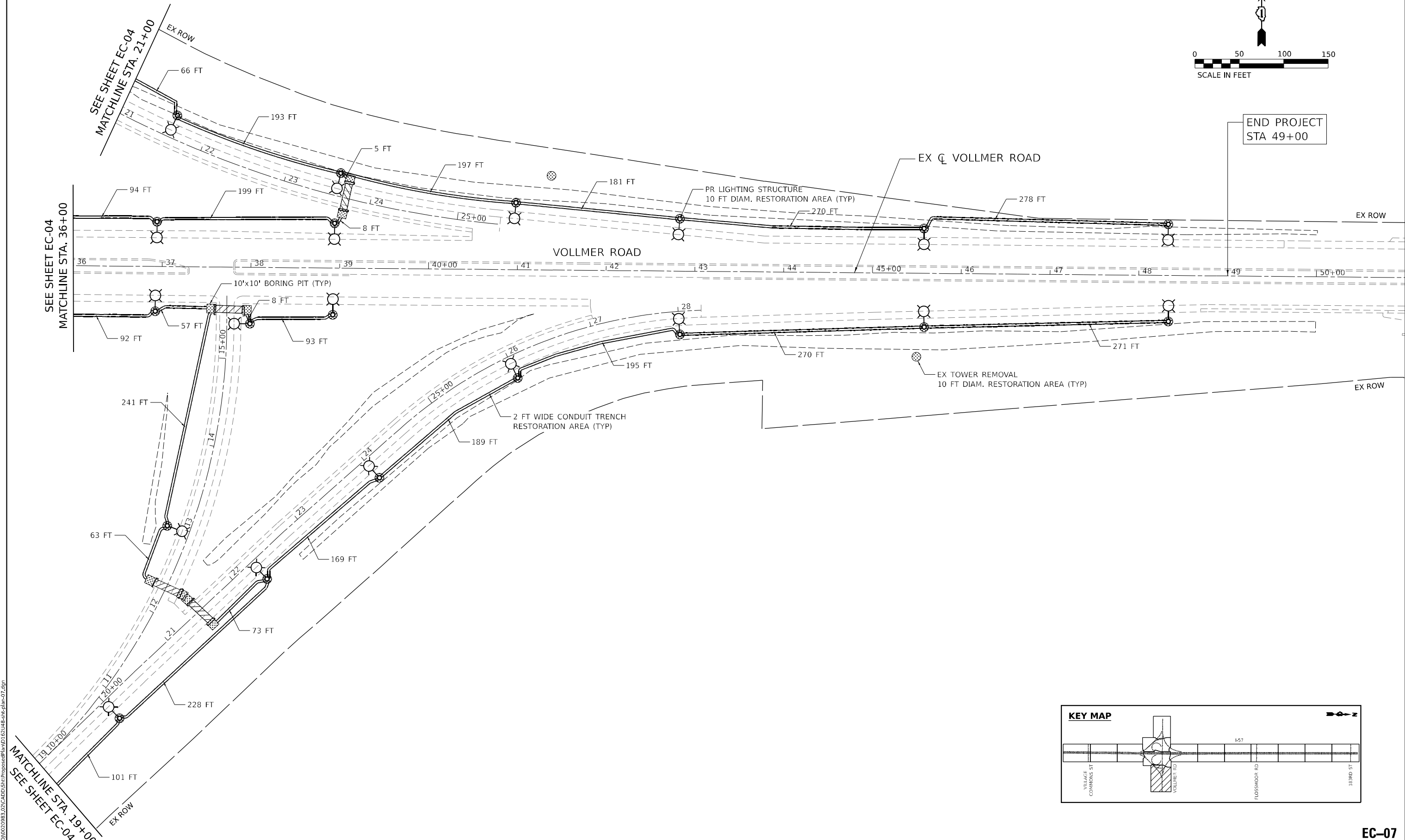
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F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 12
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

EC-06



END PROJECT
STA 49+00



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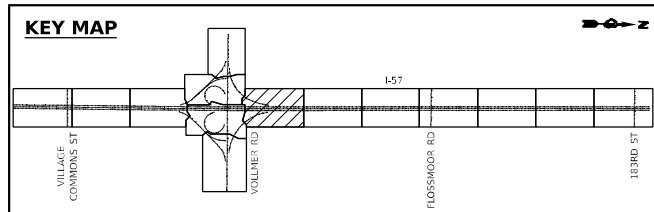
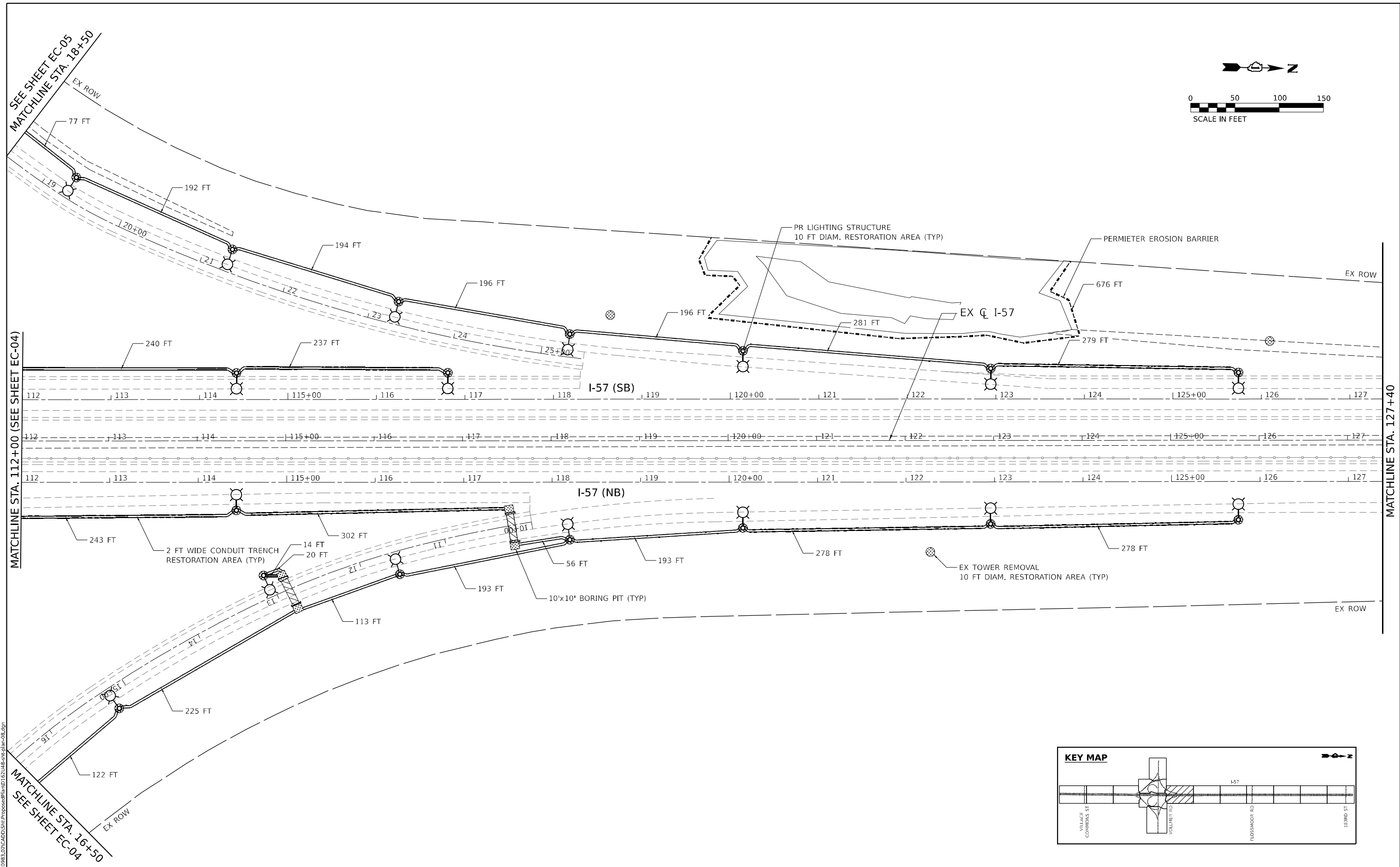
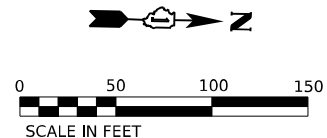
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: 1" = 50' SHEET 7 OF 14 SHEETS STA. 36+00 TO STA. 51+00

F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 13
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

EC-07



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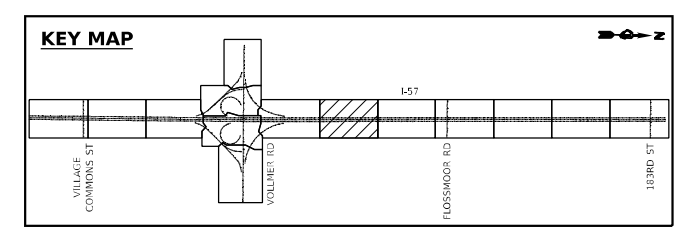
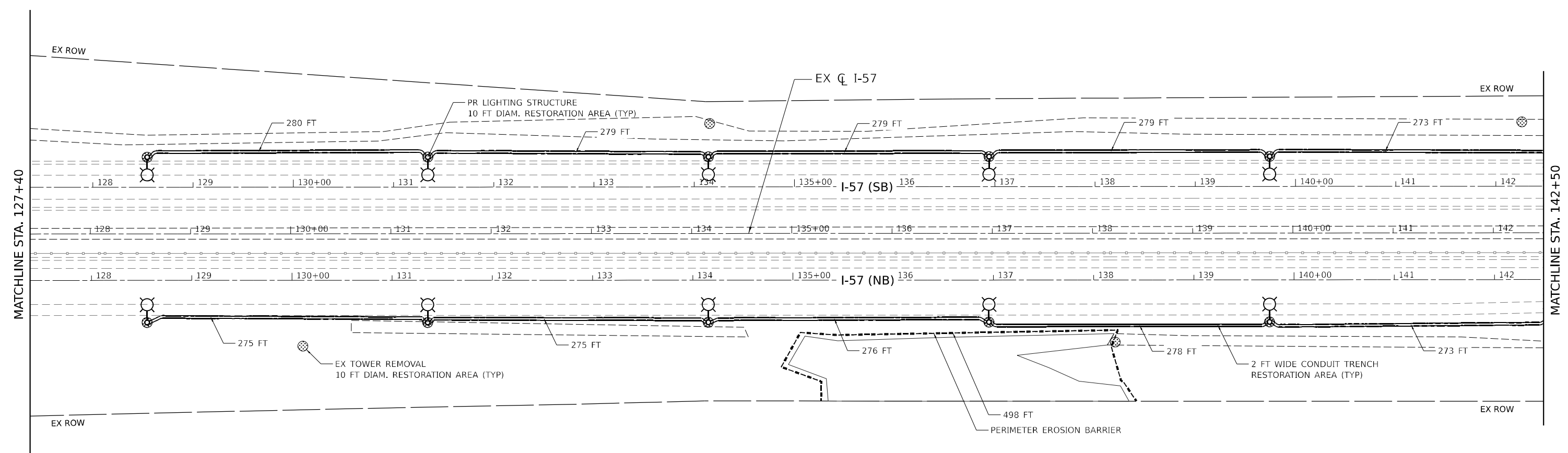
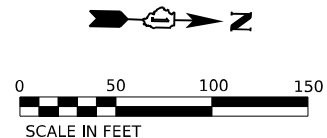
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET
 SCALE: 1" = 50' SHEET 8 OF 14 SHEETS STA. 112+00 TO STA. 127+40

F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U48	

EC-08



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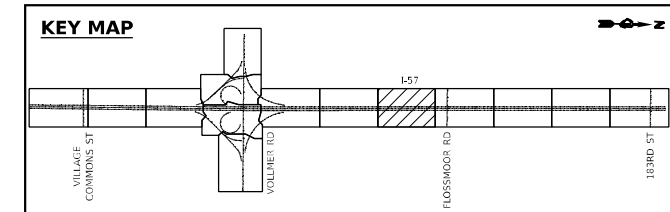
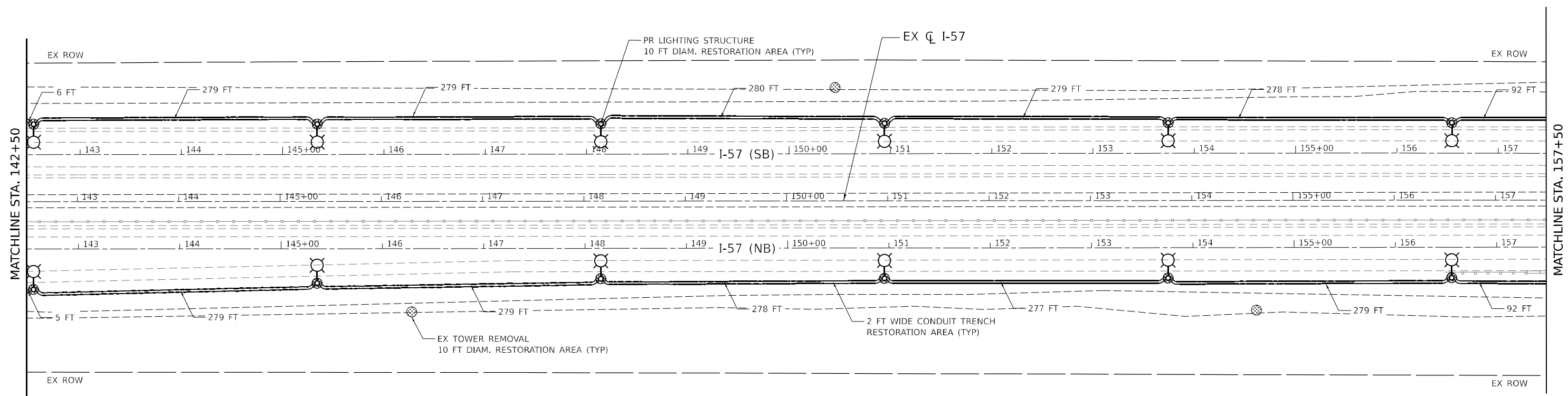
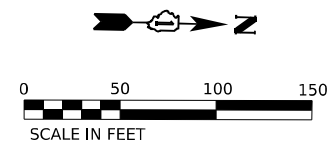
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
 I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 15
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 50' SHEET 9 OF 14 SHEETS STA. 127+40 TO STA. 142+50

EC-09



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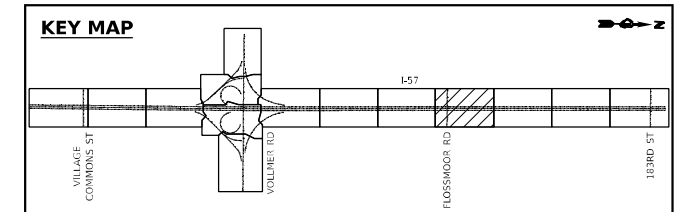
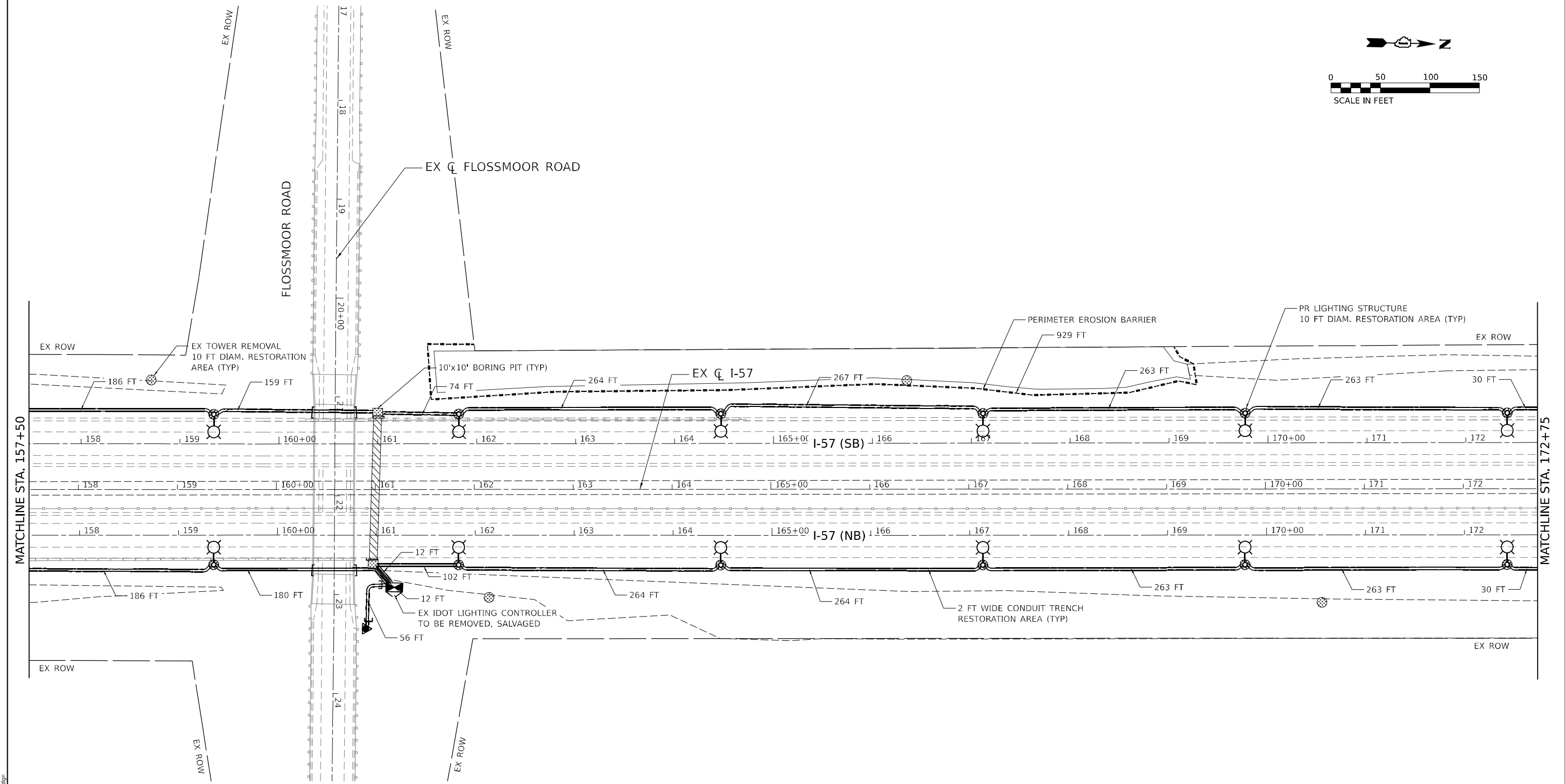
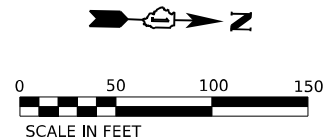
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
 I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 16
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 50' SHEET 10 OF 14 SHEETS STA. 142+50 TO STA. 157+50



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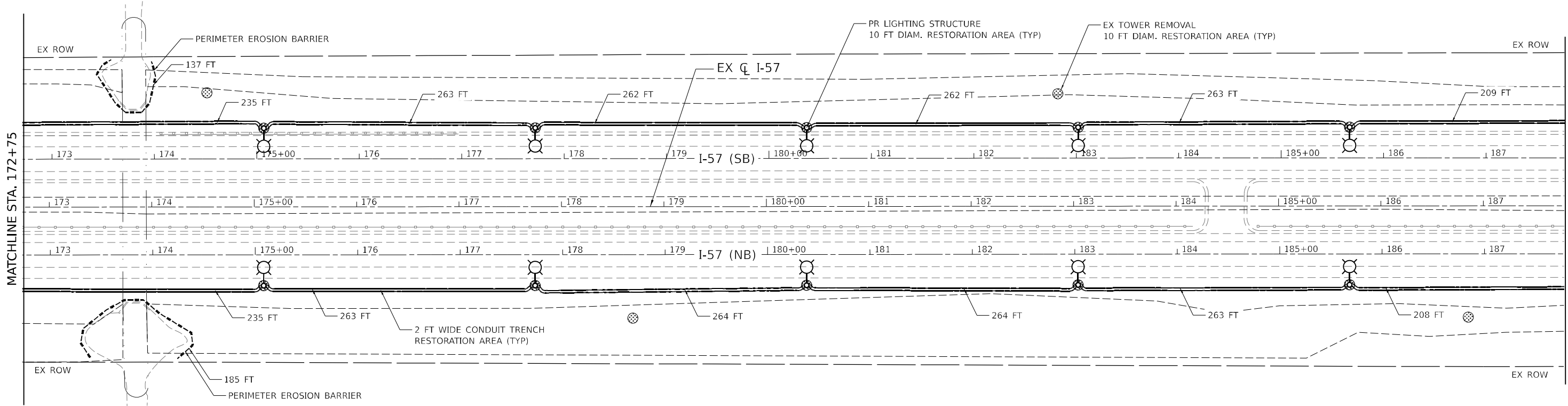
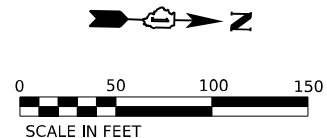


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

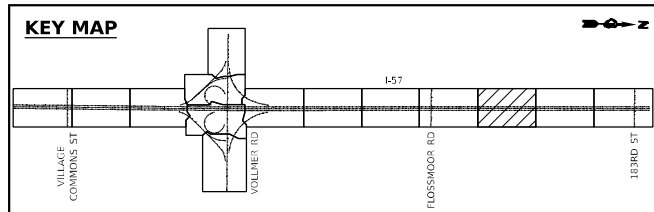
EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET
 SCALE: 1" = 50' SHEET 11 OF 14 SHEETS STA. 157+50 TO STA. 172+75

F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 17
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	



MATCHLINE STA. 172+75

MATCHLINE STA. 187+80



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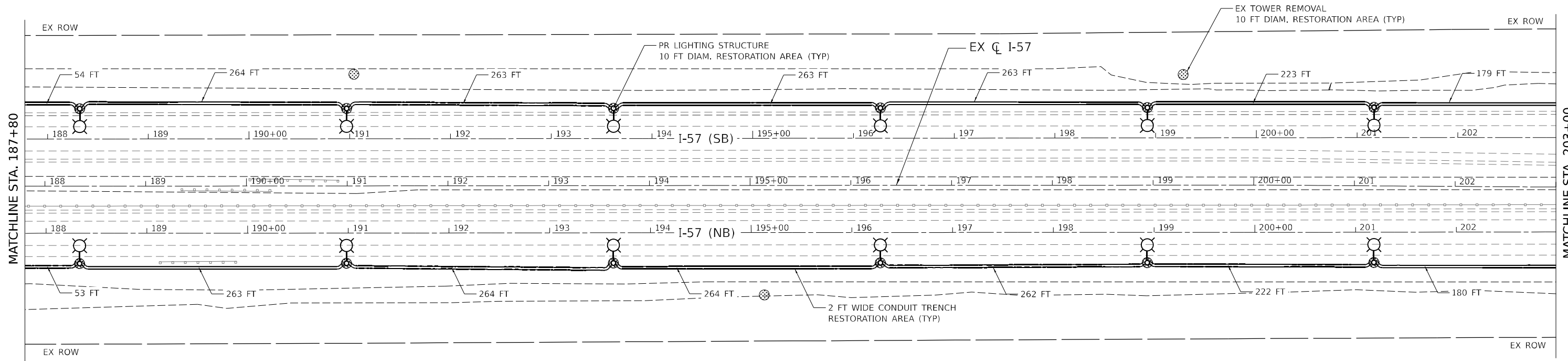
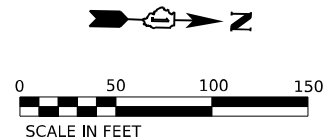
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 18
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

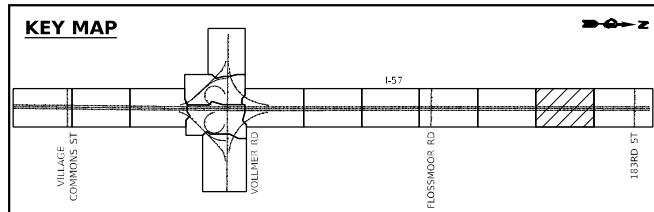
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MATCHLINE STA. 187+80

MATCHLINE STA. 203+00

VERT.



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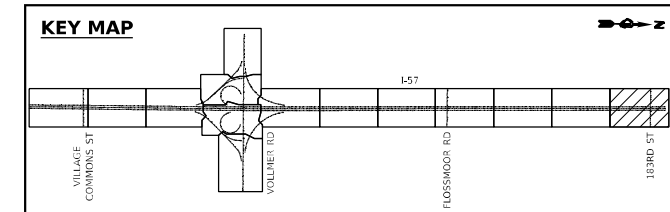
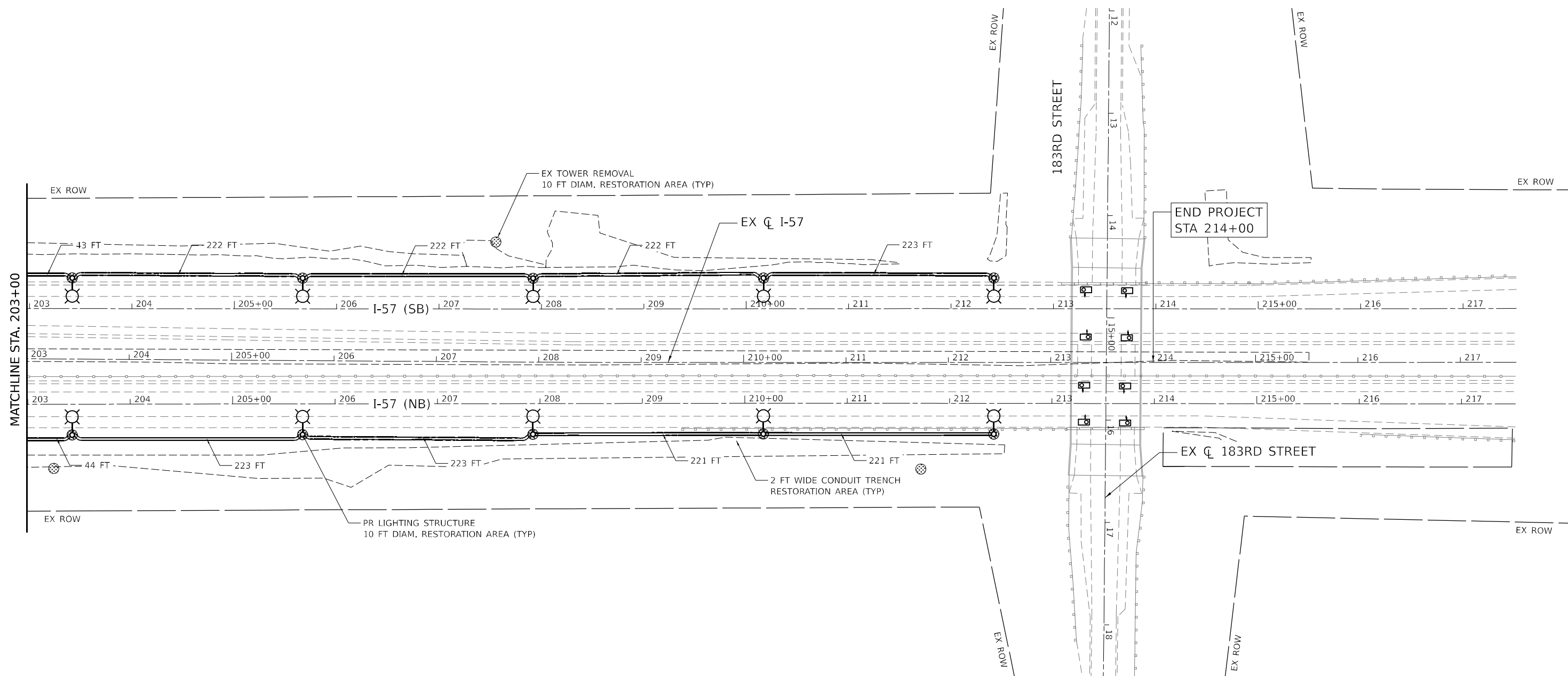
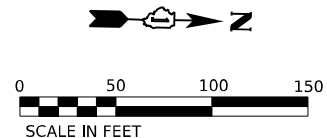
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: 1" = 50' SHEET 13 OF 14 SHEETS STA. 187+80 TO STA. 203+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	16-00195-00-ES	COOK	77	19
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

F.A.P. RTE. 57	SECTION 16-00195-00-ES	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 20
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET 14 OF 14 SHEETS STA. 203+00 TO STA. 217+00

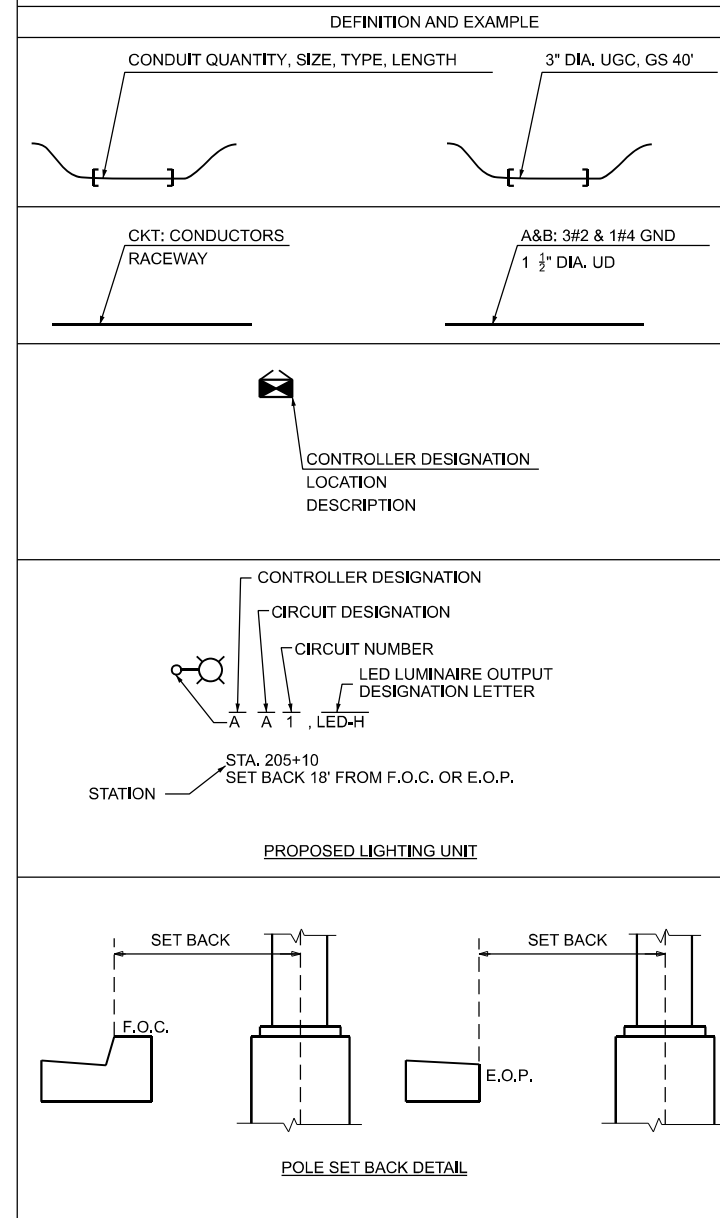
LIGHTING AND ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	EXISTING HIGH MAST LIGHTING TOWER AND FOUNDATION TO BE REMOVED, TOWER TO BE REMOVED, NO SALVAGE, LUMINAIRES REMOVED, SALVAGE
	EXISTING LIGHTING UNIT TO REMAIN
	PROPOSED IDOT LIGHTING UNIT MOUNTED ON BREAKAWAY DEVICE METAL FOUNDATION, 47.5 FT M.H. U.N.O., 15 FT MAST ARM, LUMINAIRE TO BE LED, HORIZONTAL MOUNT, OUTPUT DESIGNATION H (240 VAC) U.N.O.
	EXISTING UNDERPASS LUMINAIRE TO BE REMOVED, NO SALVAGE
	PROPOSED UNDERPASS LED LUMINAIRE, SUSPENDED MOUNTED
	EXISTING JUNCTION BOX TO BE REMOVED
	PROPOSED JUNCTION BOX, SIZE AND TYPE AS NOTED
	EXISTING IDOT LIGHTING CONTROLLER TO BE REMOVED, NO SALVAGE
	PROPOSED IDOT LIGHTING CONTROLLER
	EXISTING ELECTRIC UTILITY SERVICE TO BE REMOVED
	PROPOSED ELECTRIC UTILITY SERVICE
	EXISTING CONDUIT ATTACHED TO STRUCTURE TO BE REMOVED
	PROPOSED CONDUIT ATTACHED TO STRUCTURE, SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT IN UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED
	EXISTING UNIT DUCT TO REMAIN
	EXISTING UNIT DUCT TO REMAIN AND TO BE ABANDONED

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
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, 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

CALL-OUT SAMPLE



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.
- THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.

IDOT-D1 STANDARDS:

STANDARD NO. TITLE

BE-206	LIGHTING CONTROLLER, BASE MOUNTED. 480VOLT, 200AMP (DUAL) RADIO SCADA, FIBER OPTIC PROVISION
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-305	LIGHT POLE FOUNDATION, METAL
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-901	SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS
BE-903	PIER/ABUTMENT MOUNTED LED UNDERPASS LUMINAIRE INSTALLATION DETAILS

LIGHTING CONTROLLER "V", L0489
 COMED CONTACT:
 KAITLYN ERN - 815-351-9436
 METER NUMBER 230-081-561
 COMED ACCOUNT NUMBER 07202-88004
 TRANSFORMER# 49704451
 EXISTING TRANSFORMER SIZE# 100K

LIGHTING CONTROLLER "W", L0492
 COMED CONTACT:
 WARREN TAYLOR - 708-534-1736
 WARREN.TAYLOR@COMED.COM
 METER NUMBER 230-148-595
 ACCOUNT NUMBERS 12260-19004
 TRANSFORMER# 49716U4
 EXISTING TRANSFORMER SIZE# 100K

LT-01

MODEL: Define
 FILE NAME: W:\Projects\16235\2023\CADD\CADD_Sheets\16235\Sheet\LT-01.dgn

SINGH
 SINGH & ASSOCIATES INC.
 CONSULTING ENGINEERS

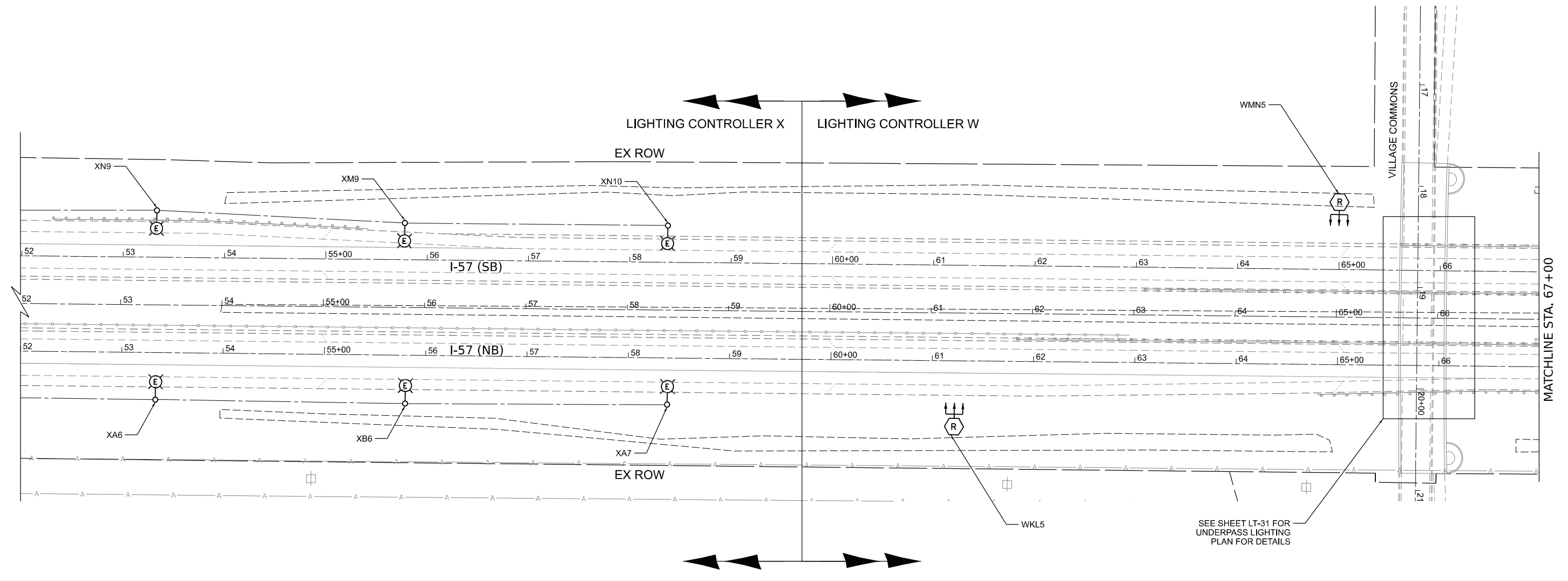
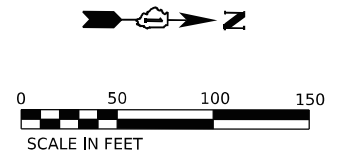
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PLOT DATE	6/26/2023	DATE	6/30/2023	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING LEGEND AND GENERAL NOTES

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	21
				CONTRACT NO. 62U48
ILLINOIS FED. AID PROJECT				



SEE SHEET LT-31 FOR UNDERPASS LIGHTING PLAN FOR DETAILS

MODEL: D:\in\4\ J:\02352\204_CADD\CADD_Sheets\162U48-Spl-Light-02.dgn



USER NAME = apatel	DESIGNED - VN/MAG	REVISED -
PLOT SCALE = 50,0000' / in.	DRAWN - MAG	REVISED -
PLOT DATE = 8/8/2023	CHECKED - MG	REVISED -
	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

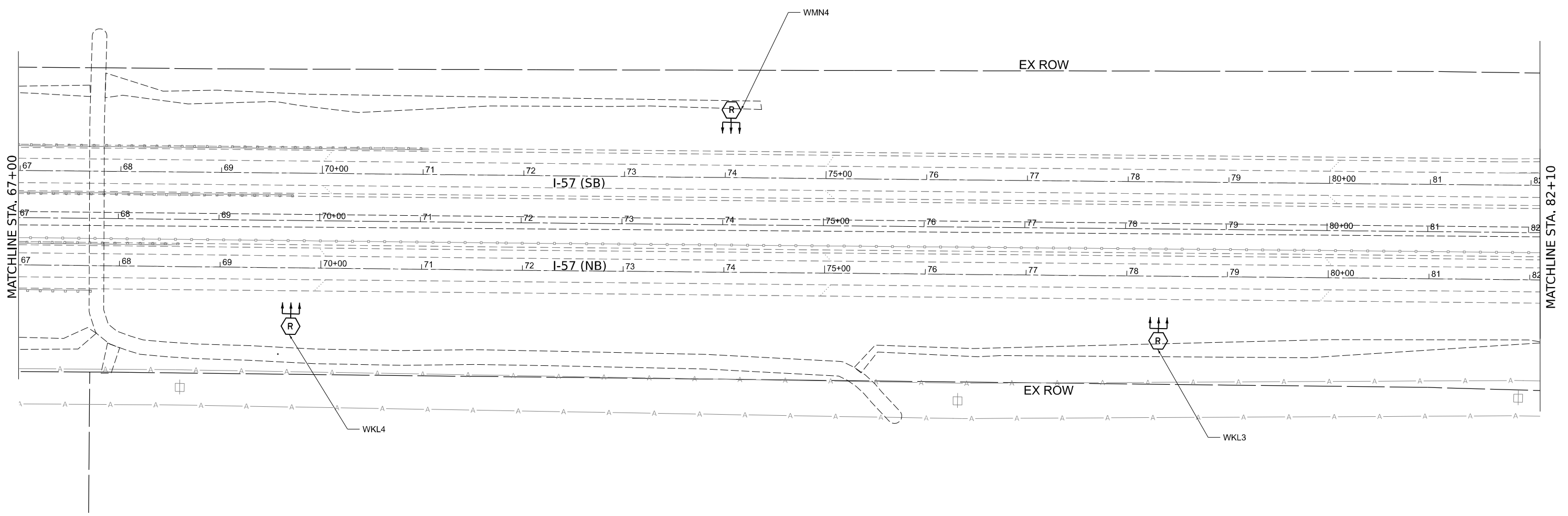
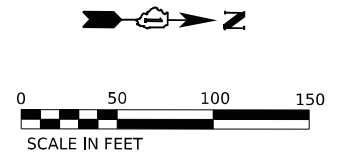
**LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	22
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

LT-02

MATCHLINE STA. 67+00



MODEL: D:\in\4
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	DATE - 6/30/2023	REVISED -

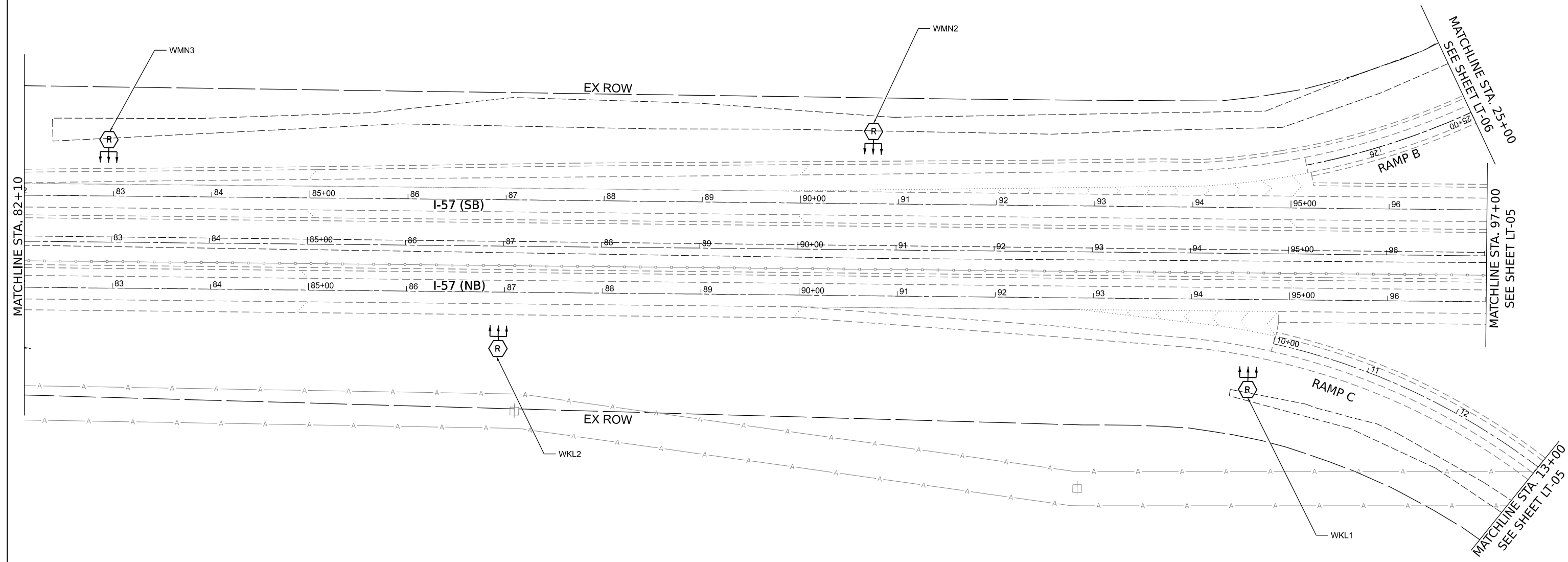
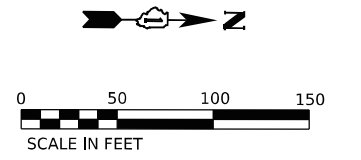
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	23
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

LT-03



MODEL: D:\in\4
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PLOT DATE = 8/8/2023	DATE - 6/30/2023	REVISED -

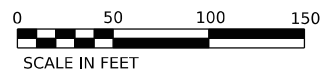
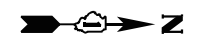
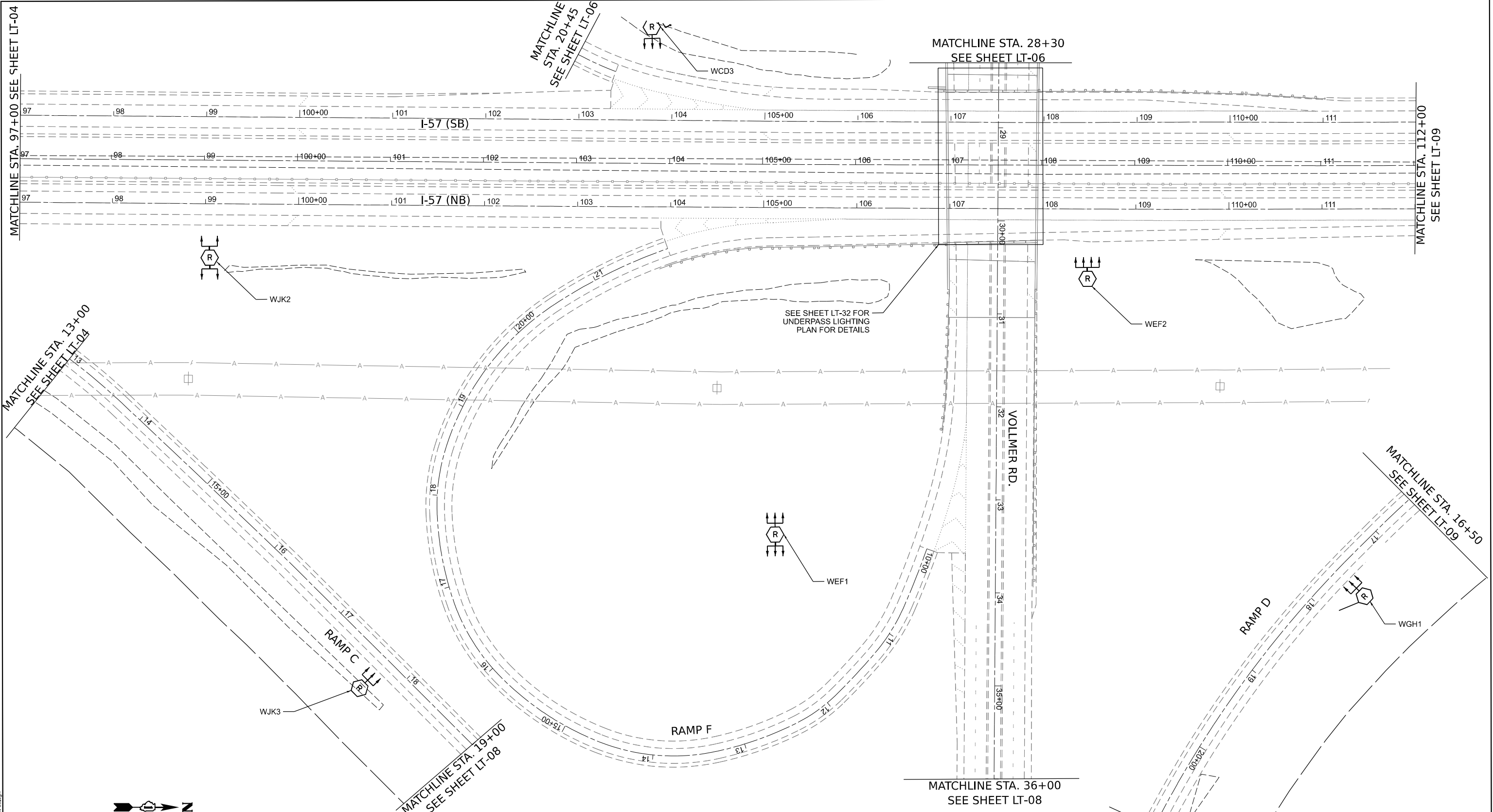
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL PLAN
 I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	24
CONTRACT NO. 62U48				
		ILLINOIS	FED. AID PROJECT	

LT-04



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PLOT DATE = 8/8/2023	CHECKED - MG	REVISED -
	DATE - 6/30/2023	REVISED -

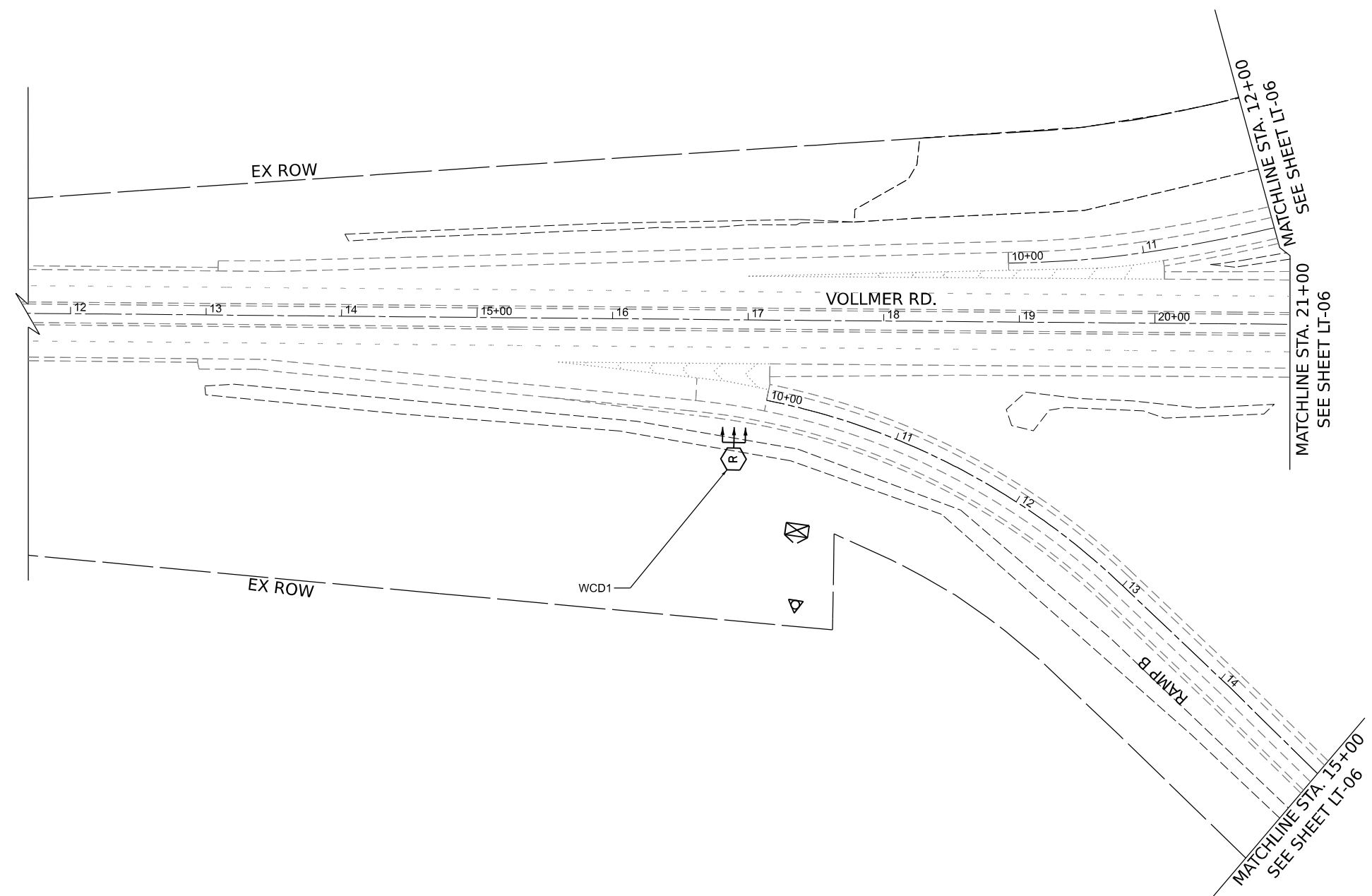
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	25
				CONTRACT NO. 62U48
ILLINOIS FED. AID PROJECT				

LT-05



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PLOT DATE = 8/8/2023	DATE - 6/30/2023	REVISED -

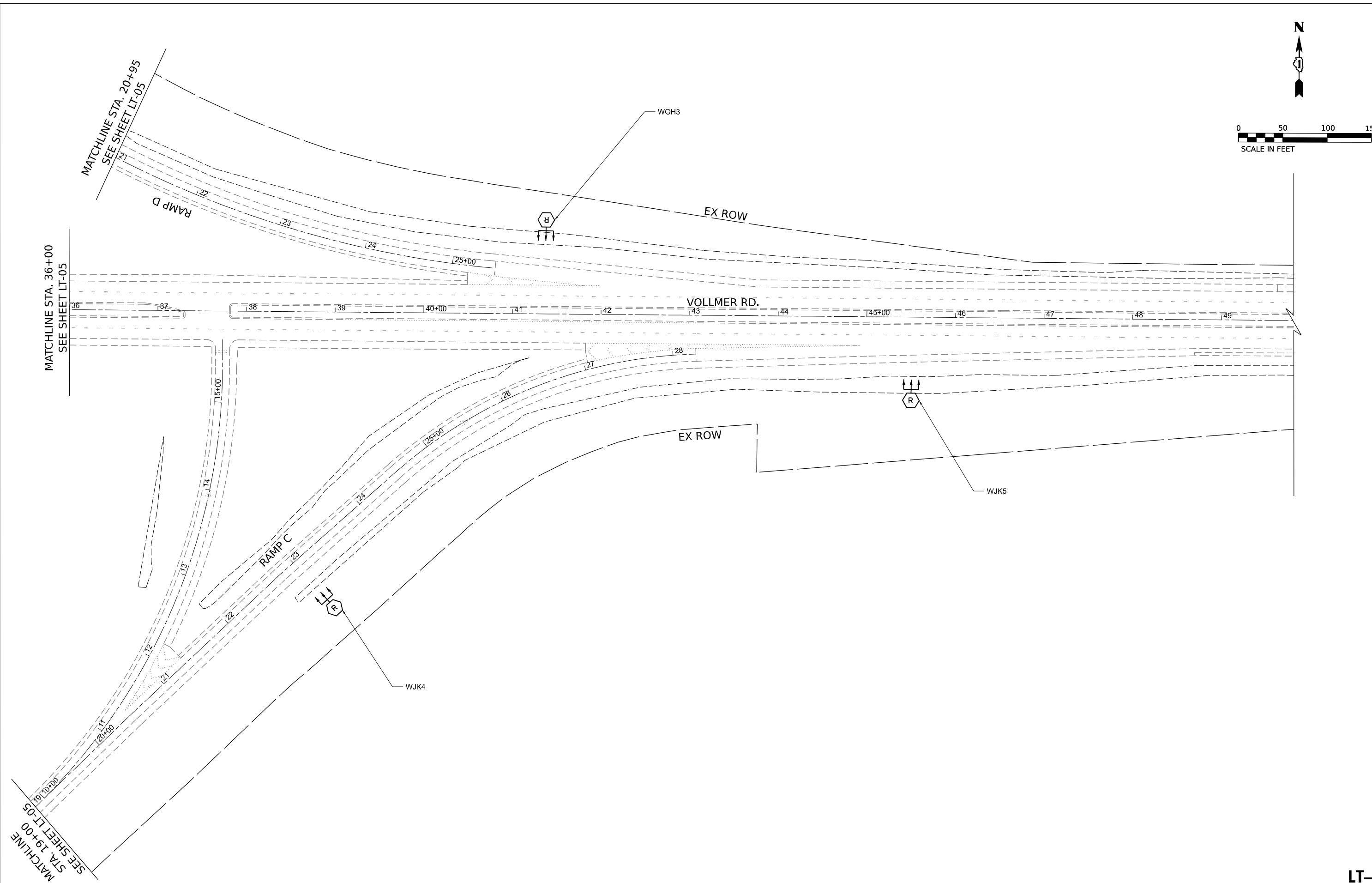
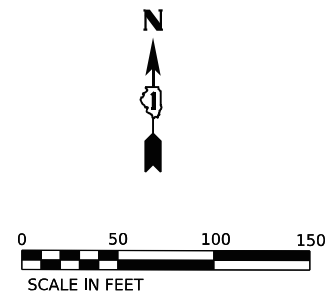
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U48	

LT-07



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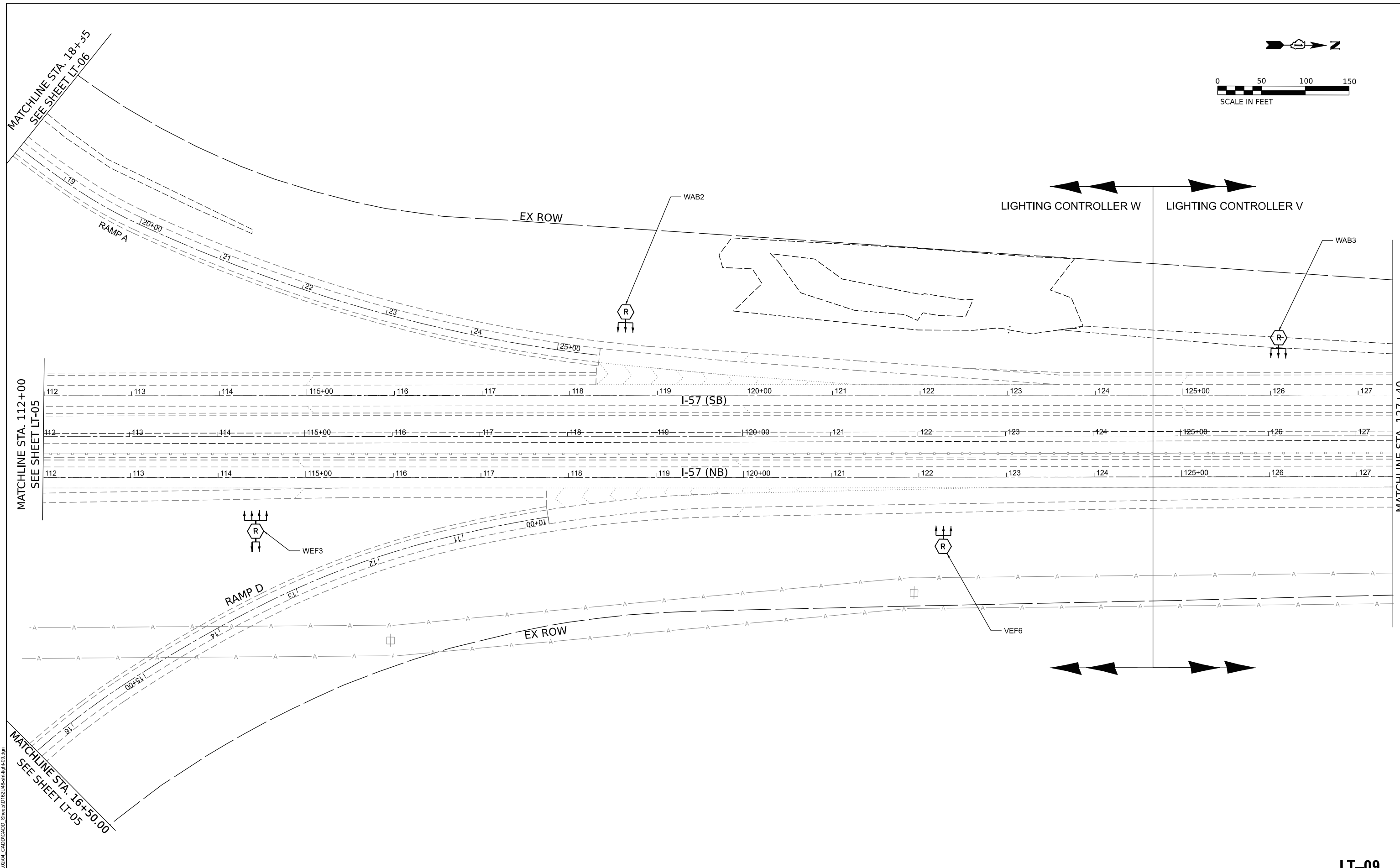
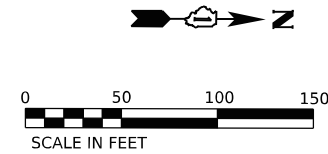
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DRAWN - MAG	REVISIONS	
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PLOT DATE = 6/8/2023	DATE - 6/30/2023	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	28
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-08



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PLOT DATE = 8/8/2023	DATE - 6/30/2023	REVISED -

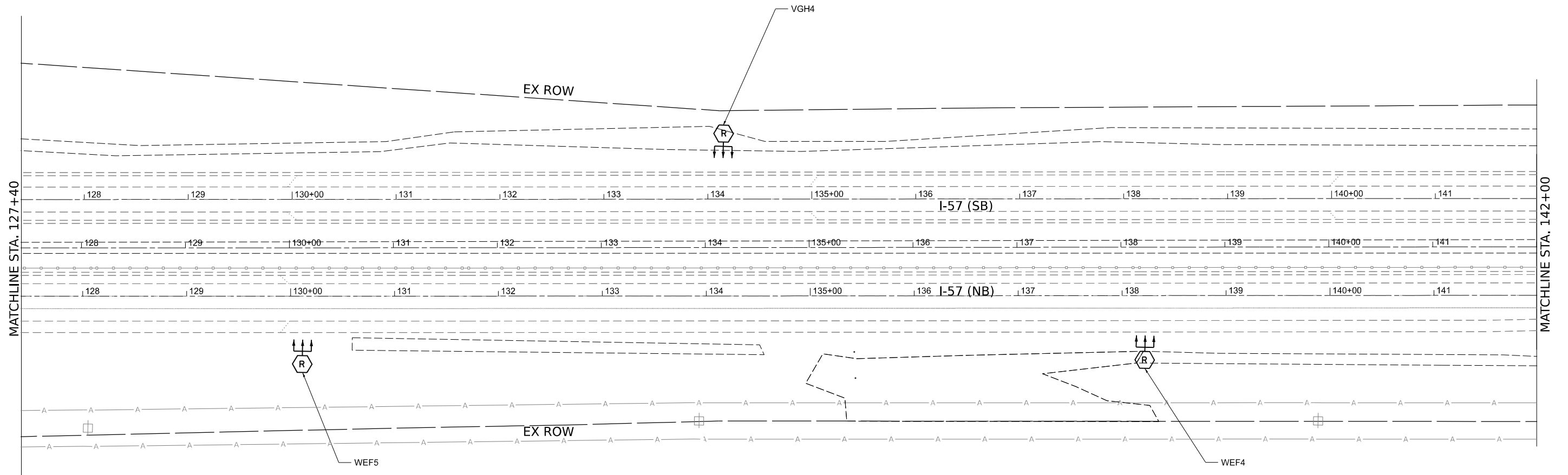
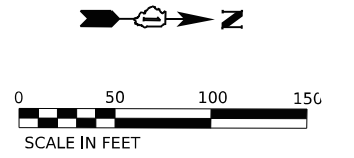
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	29
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-09



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PLOT DATE = 8/8/2023	DATE - 6/30/2023	REVISED -

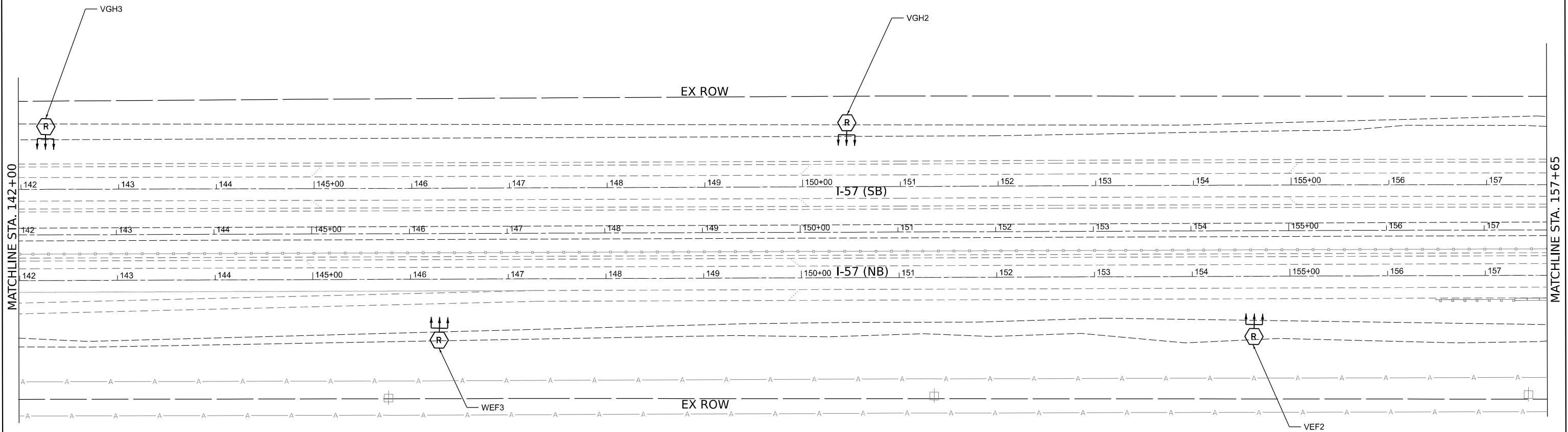
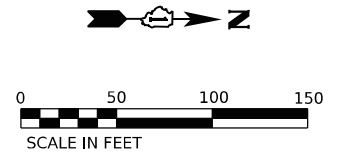
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	30
CONTRACT NO. 62U48				
ILLINOIS		FED. AID PROJECT		

LT-10



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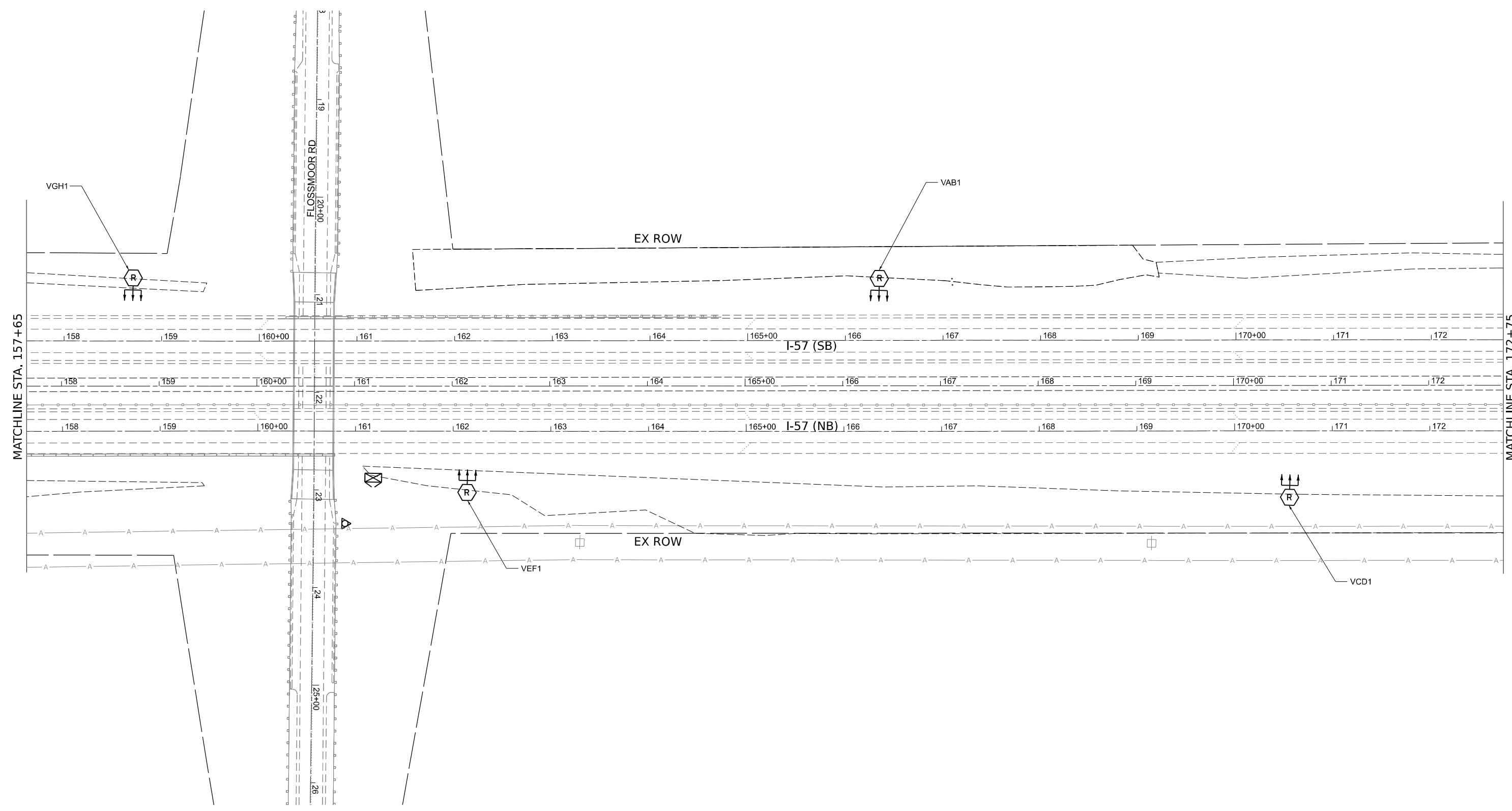
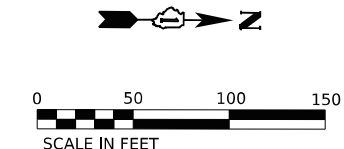
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PLOT DATE = 8/8/2023	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING REMOVAL PLAN			
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET			
SCALE:	SHEET	OF	SHEETS
			STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	31
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

LT-11



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PLOT DATE = 8/8/2023	CHECKED - MG	REVISED -
	DATE - 6/30/2023	REVISED -

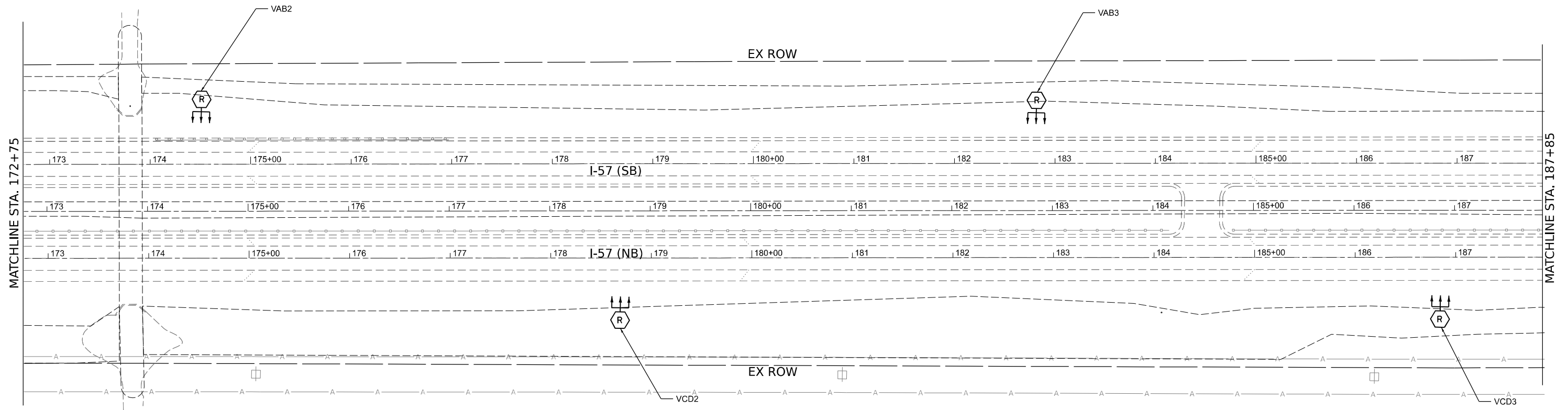
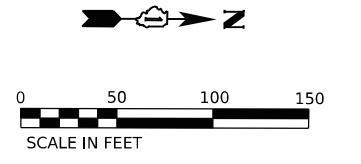
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	32
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

LT-12



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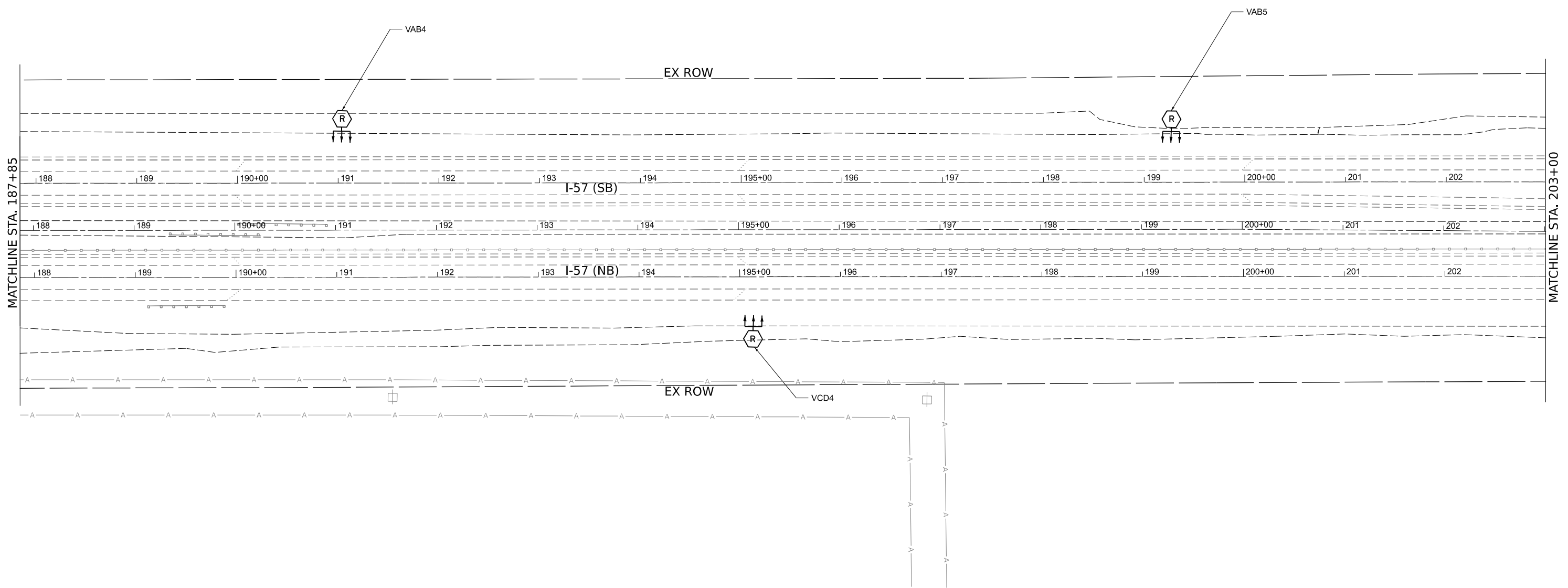
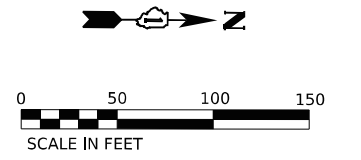
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DRAWN - MAG	REVISIONS -	
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PLOT DATE = 8/8/2023	DATE - 6/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	33
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-13



MODEL: D:\in\4
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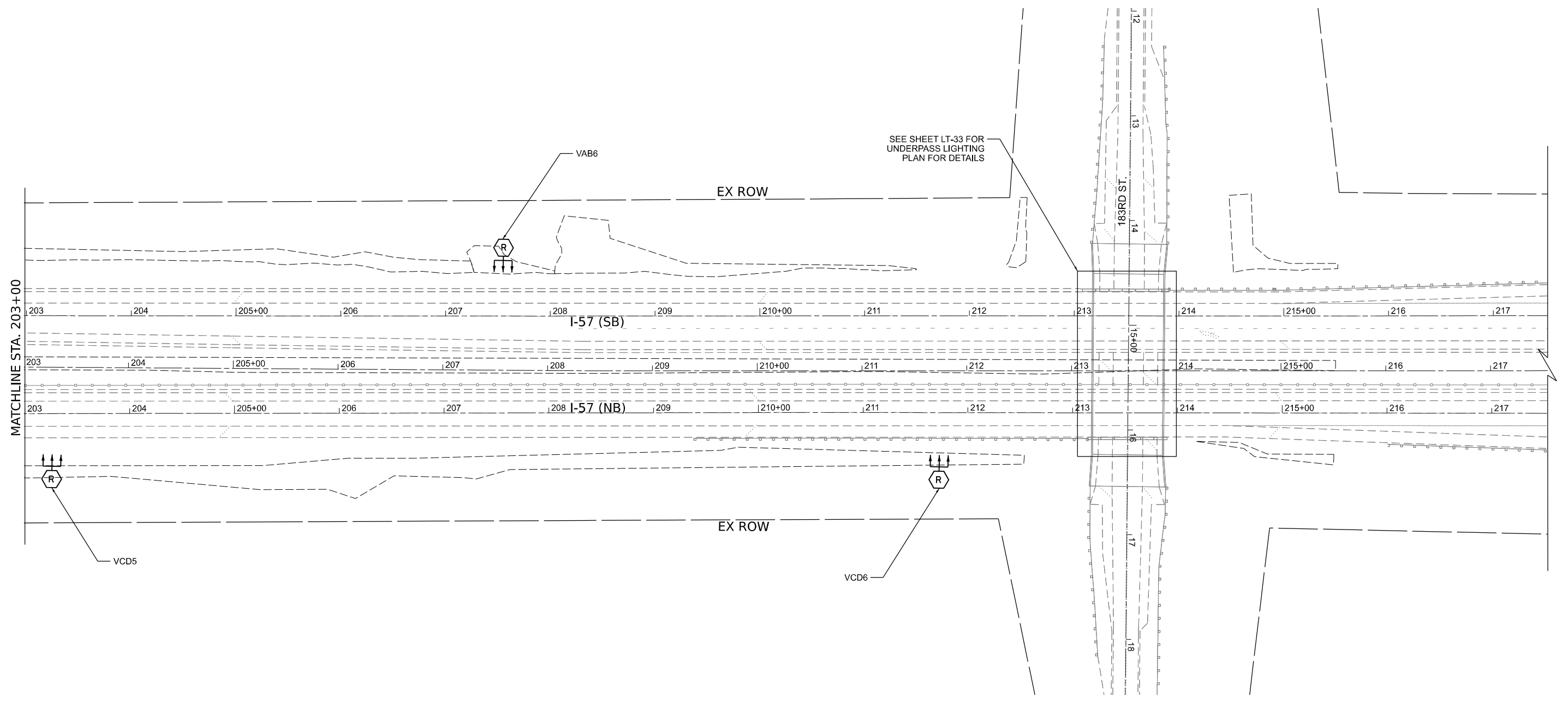
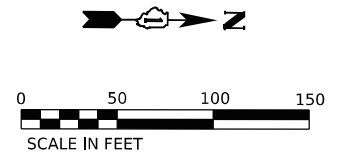
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	34
CONTRACT NO. 62U48				
ILLINOIS		FED. AID PROJECT		

LT-14



SEE SHEET LT-33 FOR UNDERPASS LIGHTING PLAN FOR DETAILS

MATCHLINE STA. 203+00

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LT-15



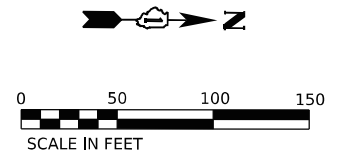
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PLOT DATE = 8/8/2023	DATE - 6/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	35
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				



LIGHTING CONTROLLER X LIGHTING CONTROLLER W

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

WB9
STA. 66+75
SET BACK 18' FT
FROM E.O.P.

WA10
STA. 63+95
SET BACK 18' FT
FROM E.O.P.

50-4" DIA.
UGC,PVC

VILLAGE COMMONS

WB10
STA. 61+15
SET BACK 18' FT
FROM E.O.P.

EX ROW

I-57 (SB)

I-57 (NB)

EX ROW

WF6
STA. 61+15
SET BACK 18' FT
FROM E.O.P.

CKTS. E & F
UNIT DUCT 3-1/C NO.2
1/C NO.4 GND., 1 1/2" DIA.

WE6
STA. 63+95
SET BACK 18' FT
FROM E.O.P.

SEE SHEET LT-35
FOR PROPOSED
UNDERPASS
LIGHTING PLANS

WF5
STA. 66+75
SET BACK 18' FT
FROM E.O.P.

50-4" DIA.
UGC,PVC

MATCHLINE STA. 67+00

MODEL: D:\in\4
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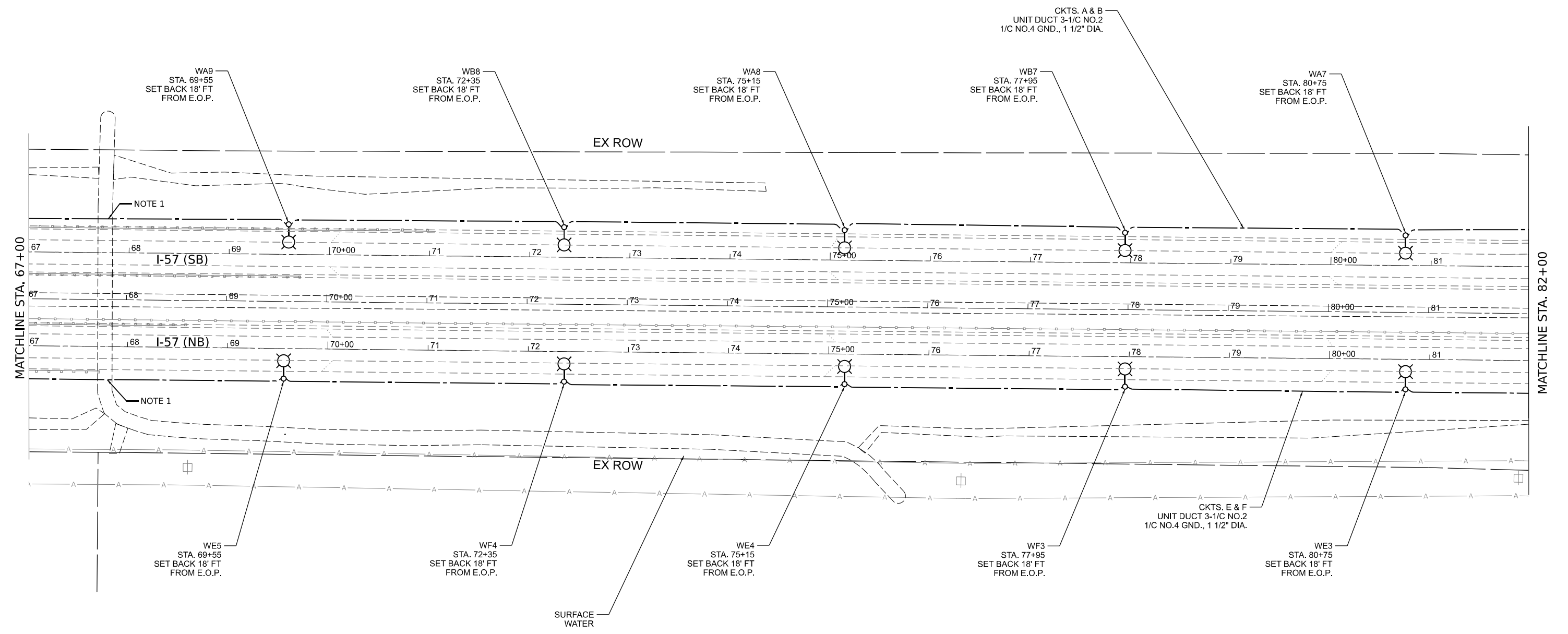
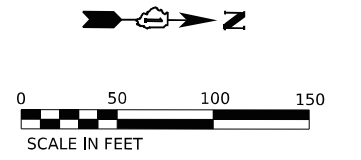
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	36
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-16



- NOTES:
1. PROPOSED UNIT DUCT SHALL BE INSTALLED ABOVE THE EXISTING CULVERT.

LT-17

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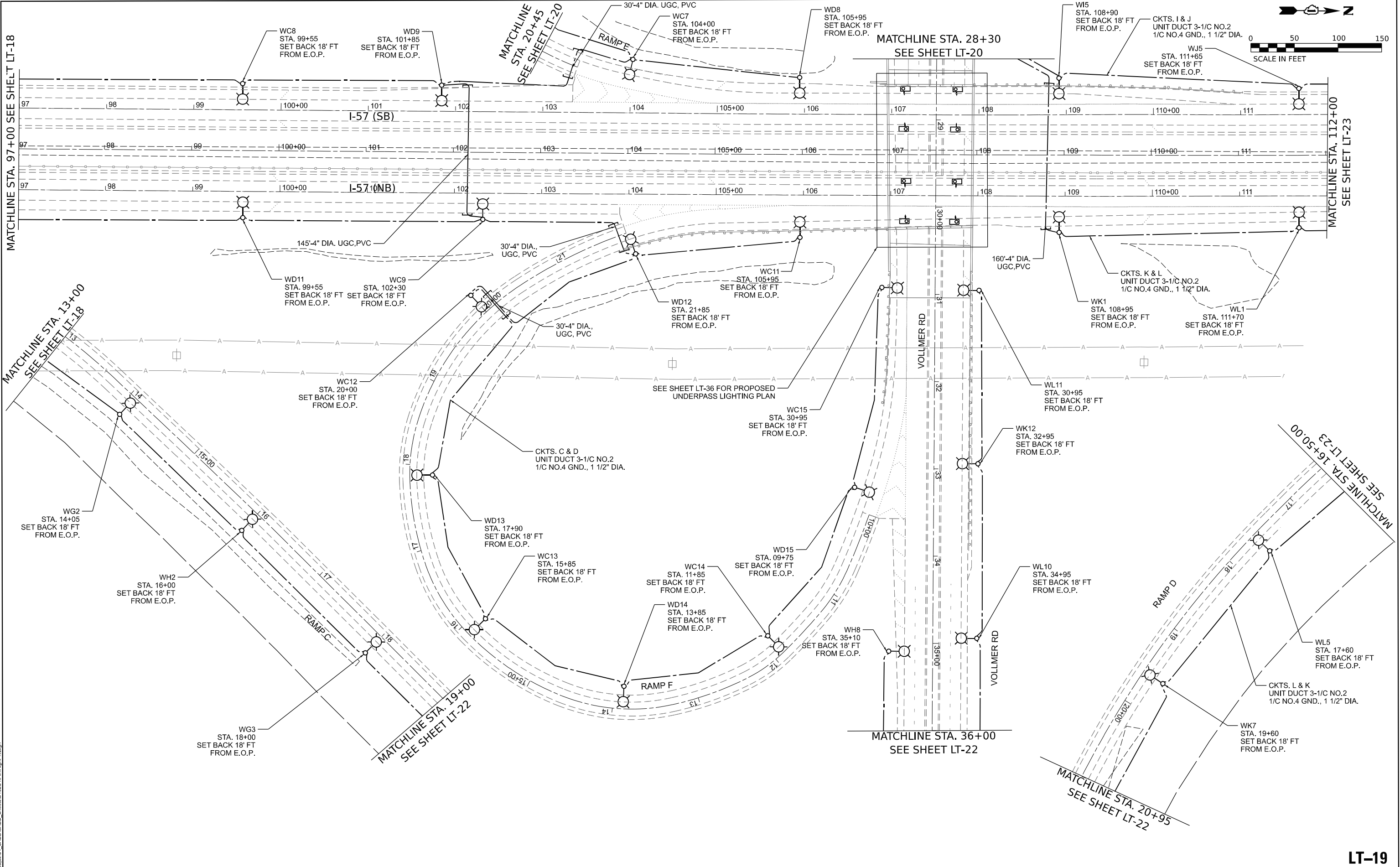
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	DATE - 6/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	37
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA.



MATCHLINE STA. 97+00 SEE SHEET LT-18

MATCHLINE STA. 13+00
SEE SHEET LT-18

MATCHLINE
STA. 20+45
SEE SHEET LT-20

MATCHLINE STA. 28+30
SEE SHEET LT-20

MATCHLINE STA. 112+00
SEE SHEET LT-23

MATCHLINE STA. 16+50.00
SEE SHEET LT-23

MATCHLINE STA. 19+00
SEE SHEET LT-22

MATCHLINE STA. 36+00
SEE SHEET LT-22

MATCHLINE STA. 20+95
SEE SHEET LT-22

LT-19

MODEL: Default
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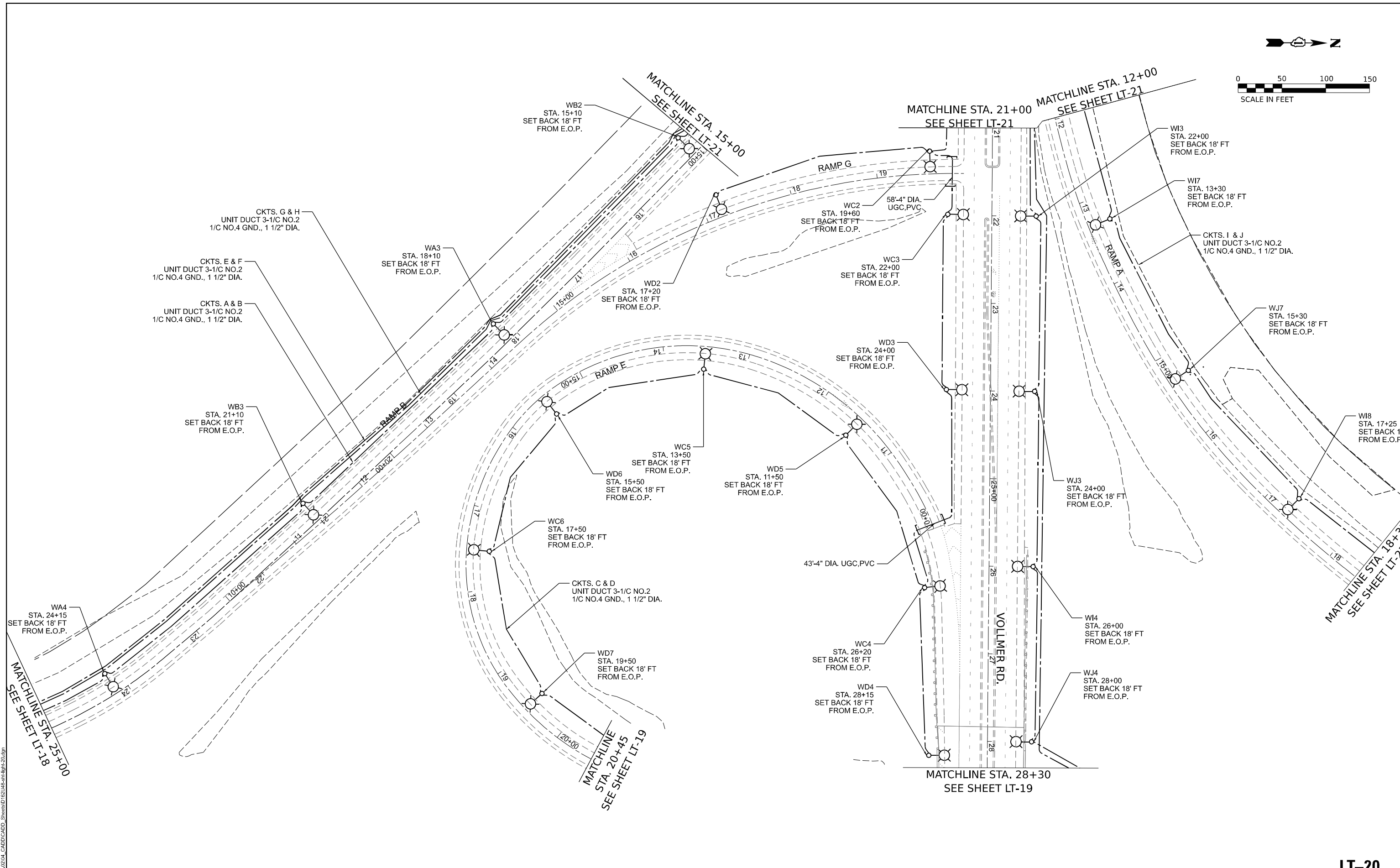
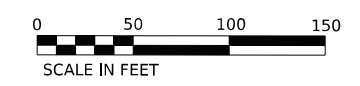
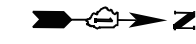
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	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: SHEET 10 OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	39
				CONTRACT NO. 62U48
ILLINOIS FED. AID PROJECT				



MODEL: D:\in\4
FILE NAME: J:\02352\0204_CADD\CADD_Sheets\0162145-SP-light-20.dgn



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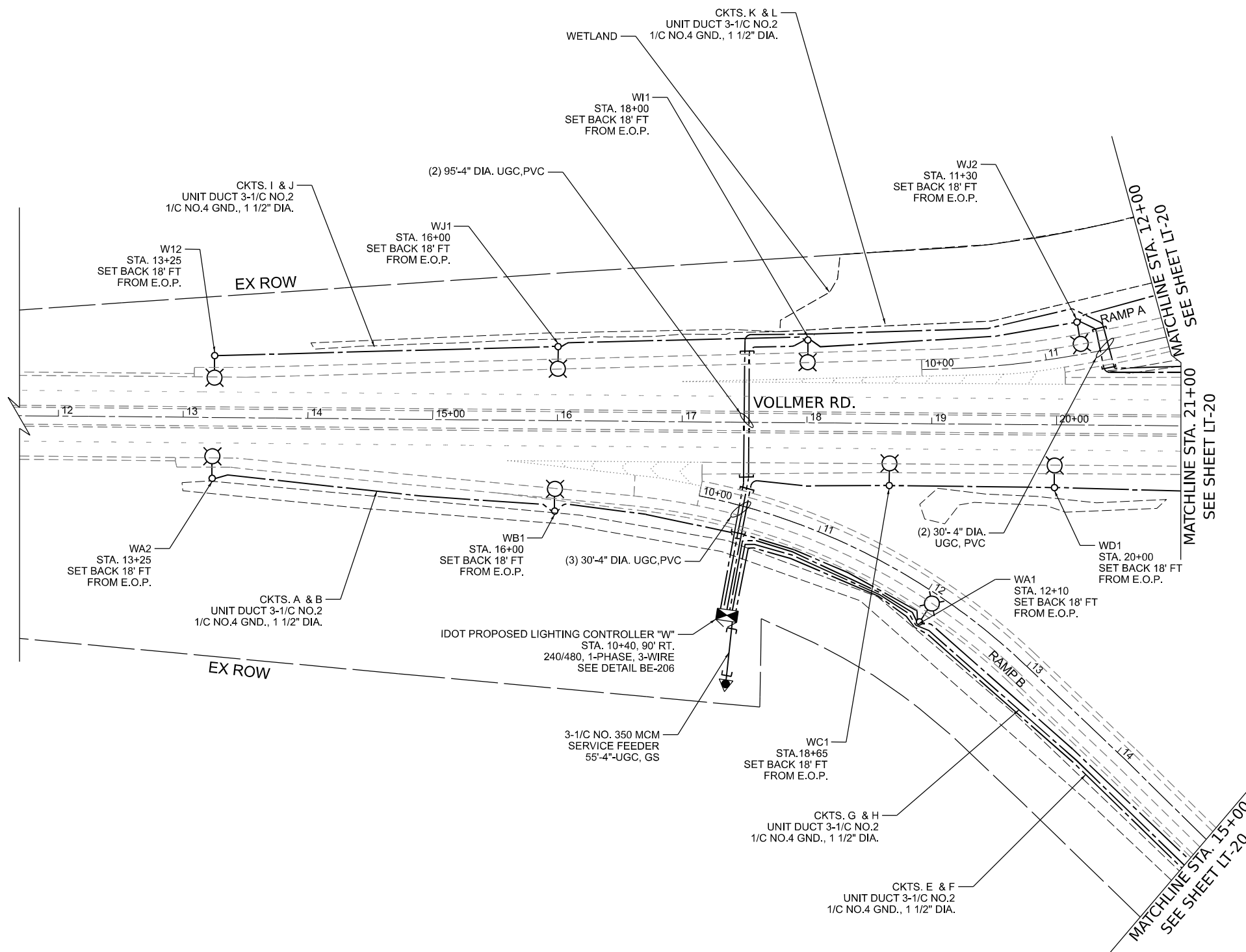
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	40
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-20



NOTES:
 1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

LT-21

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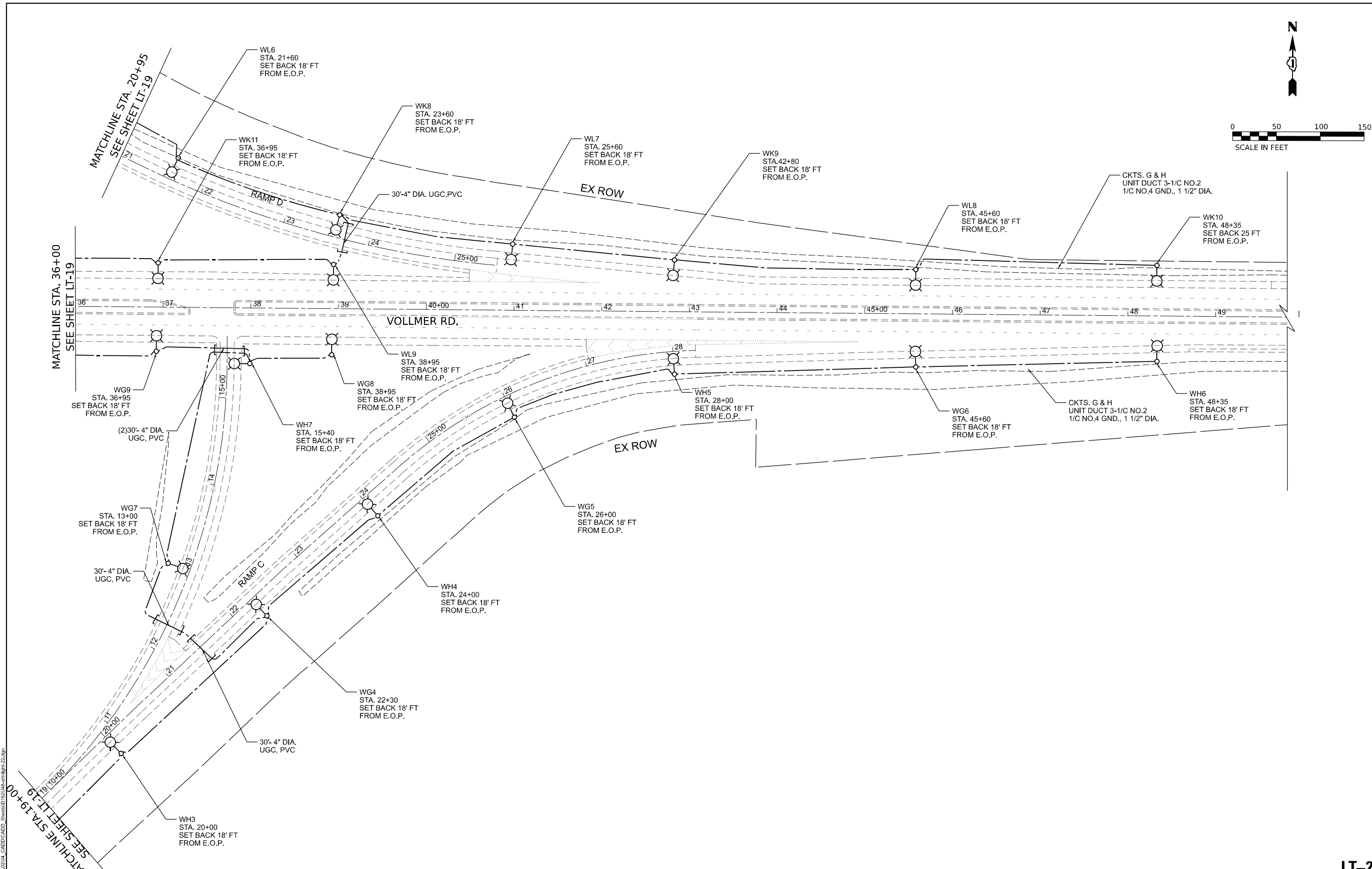
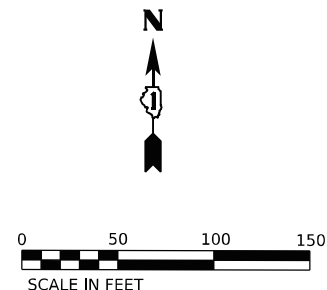
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	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
 I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	41
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				



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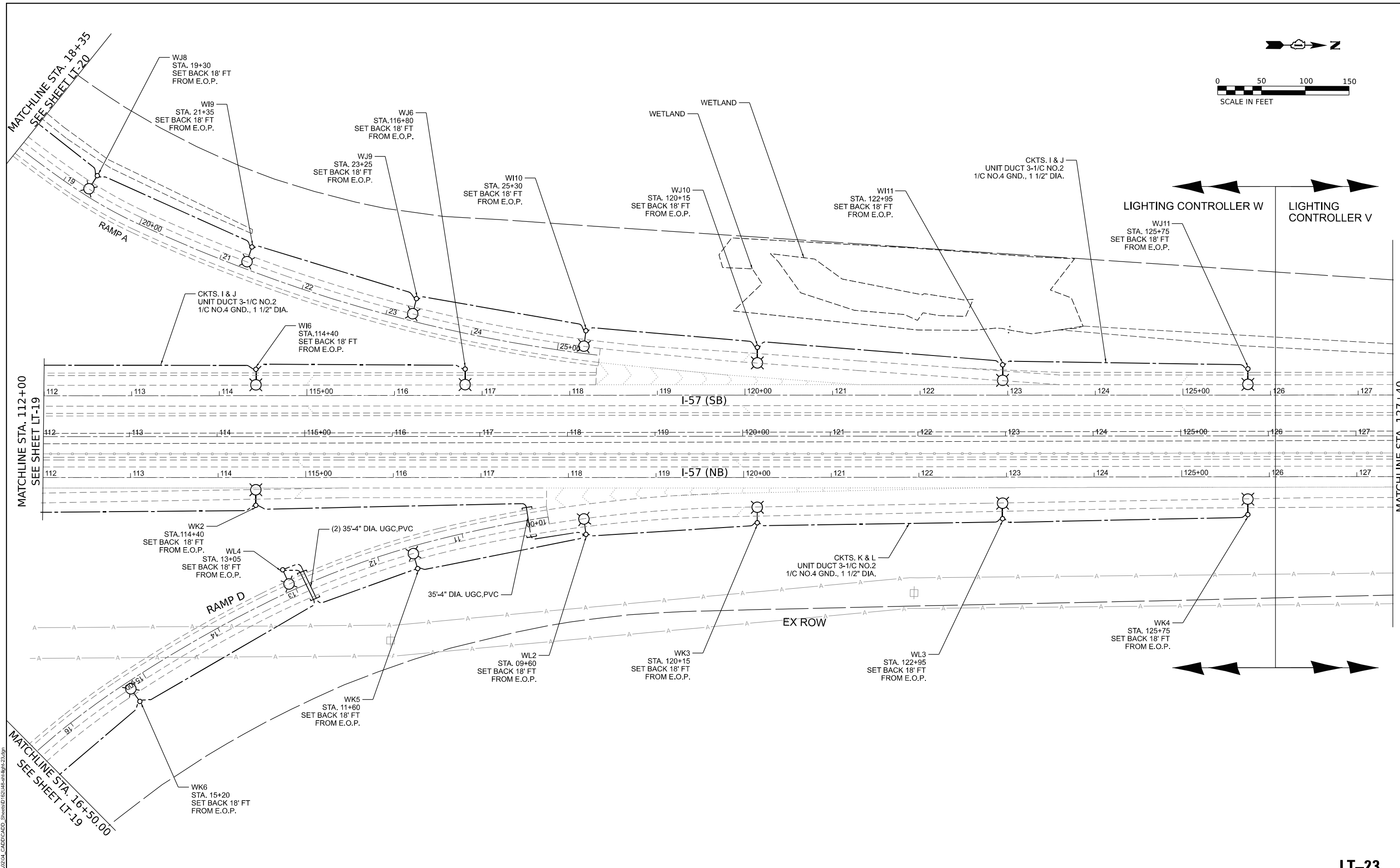
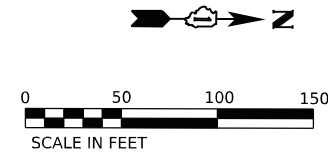
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	DATE - 6/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	42
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-22



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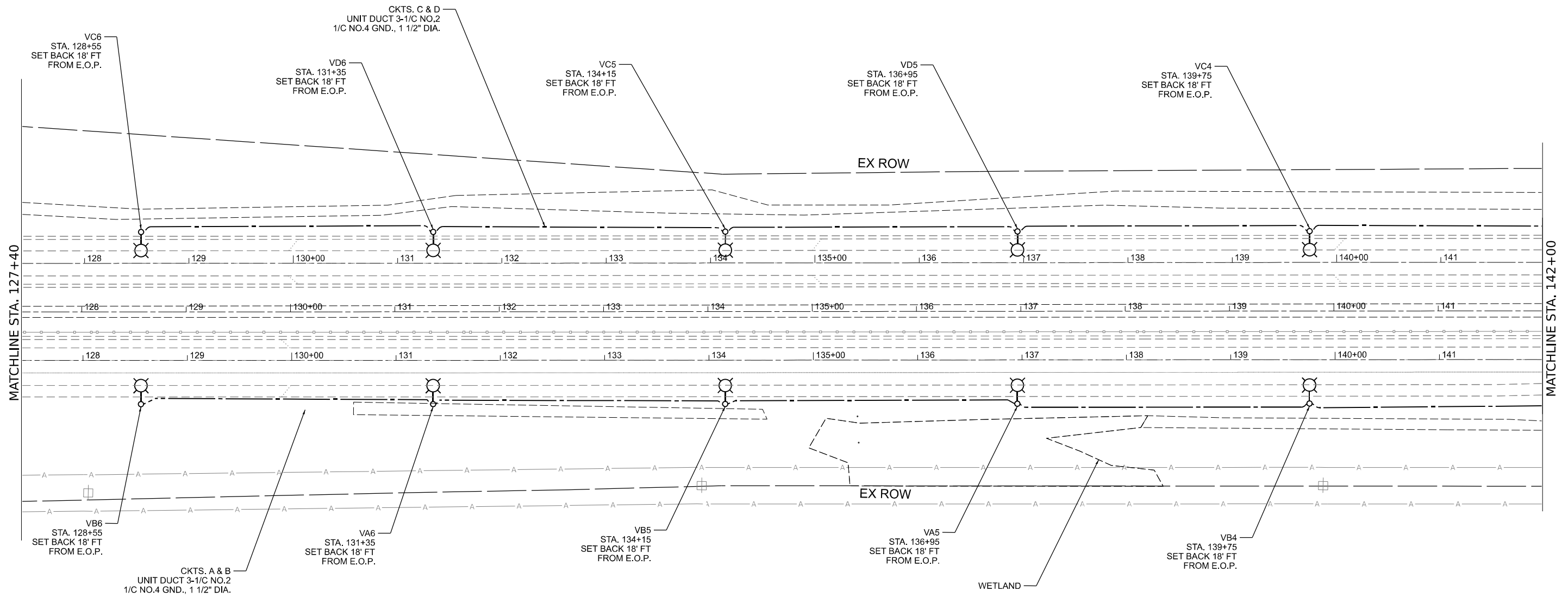
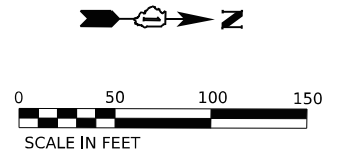
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	43
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-23



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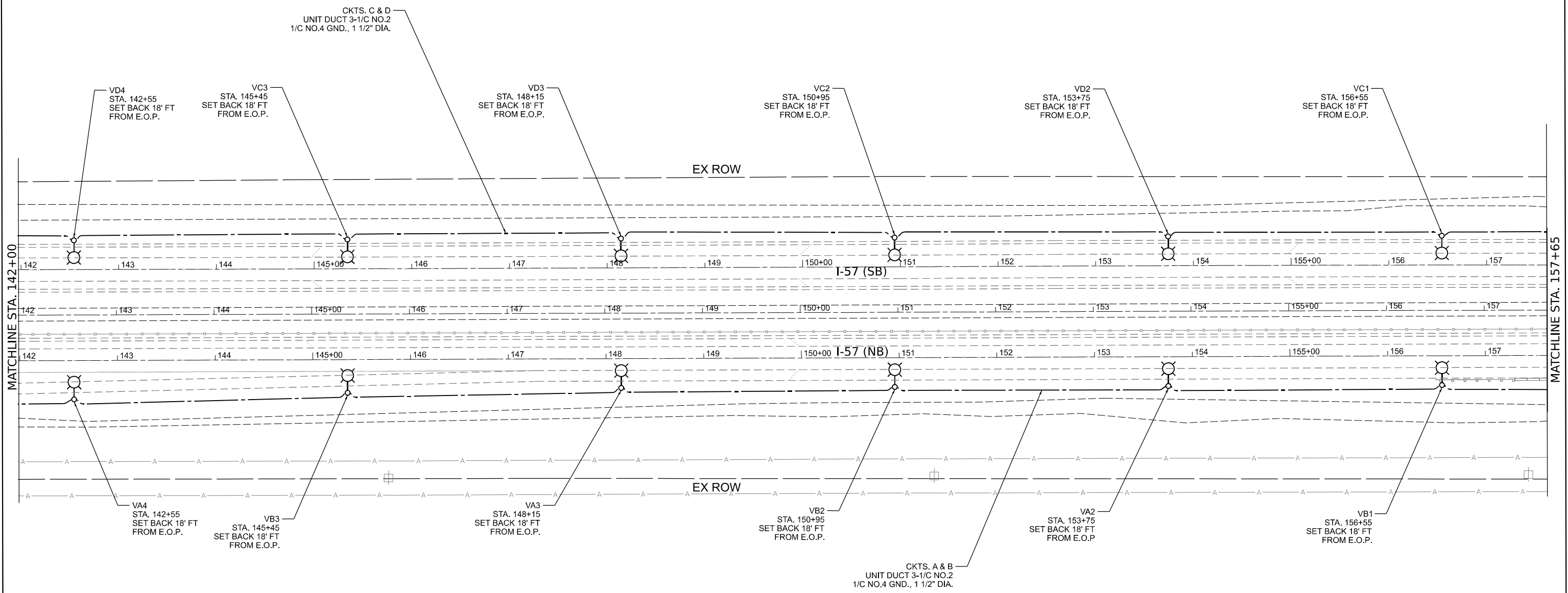
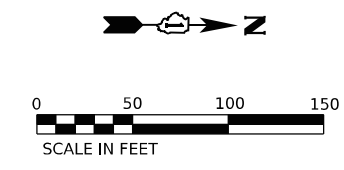
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	44
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-24



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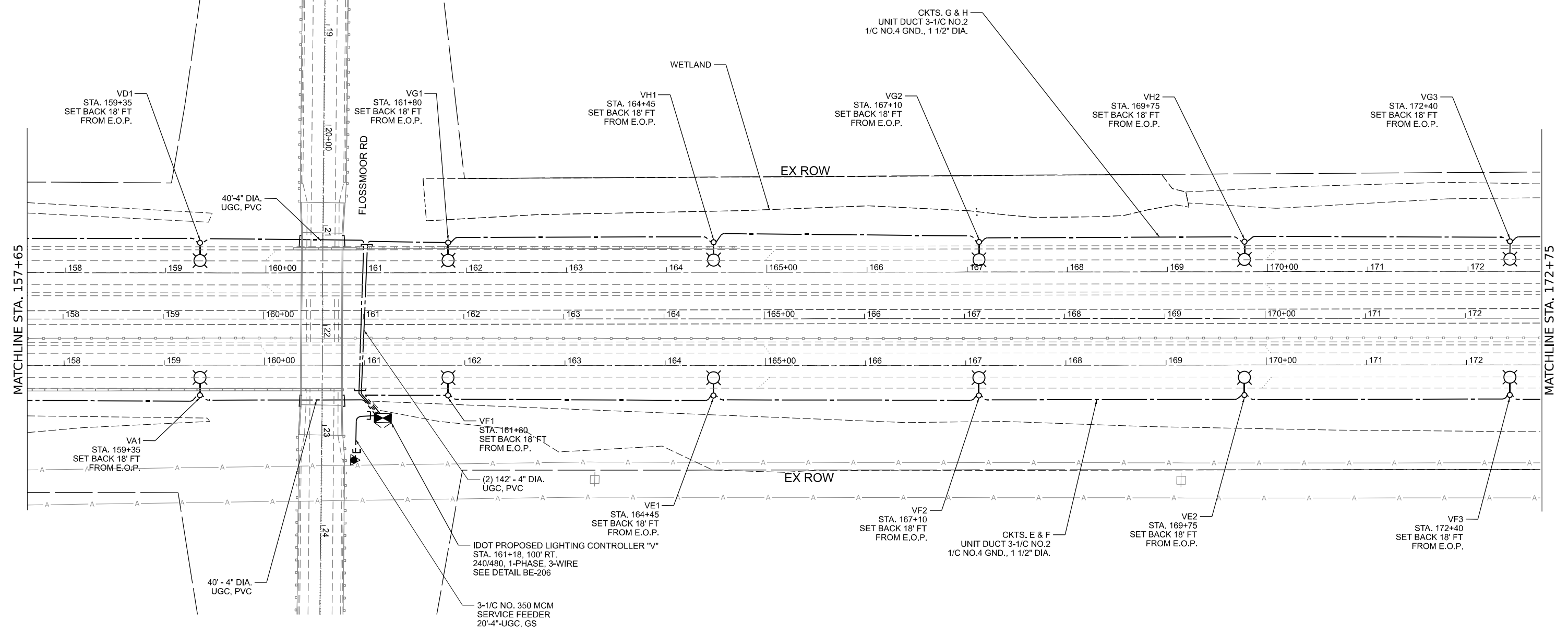
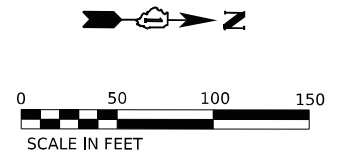
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	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED LIGHTING PLAN			
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET			
SCALE:	SHEET	OF	SHEETS
			STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	45
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

LT-25



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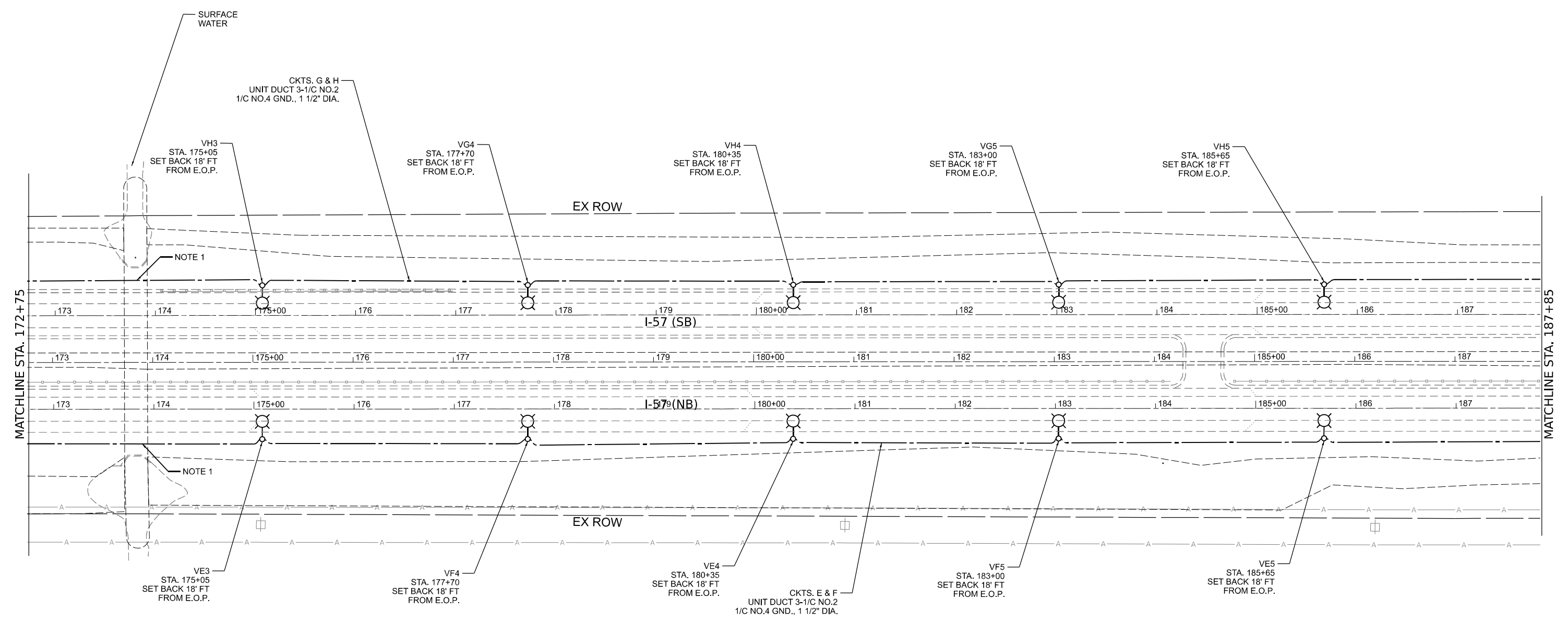
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	46
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-26



- NOTES:
1. PROPOSED UNIT DUCT SHALL BE INSTALLED ABOVE THE EXISTING CULVERT.

LT-27

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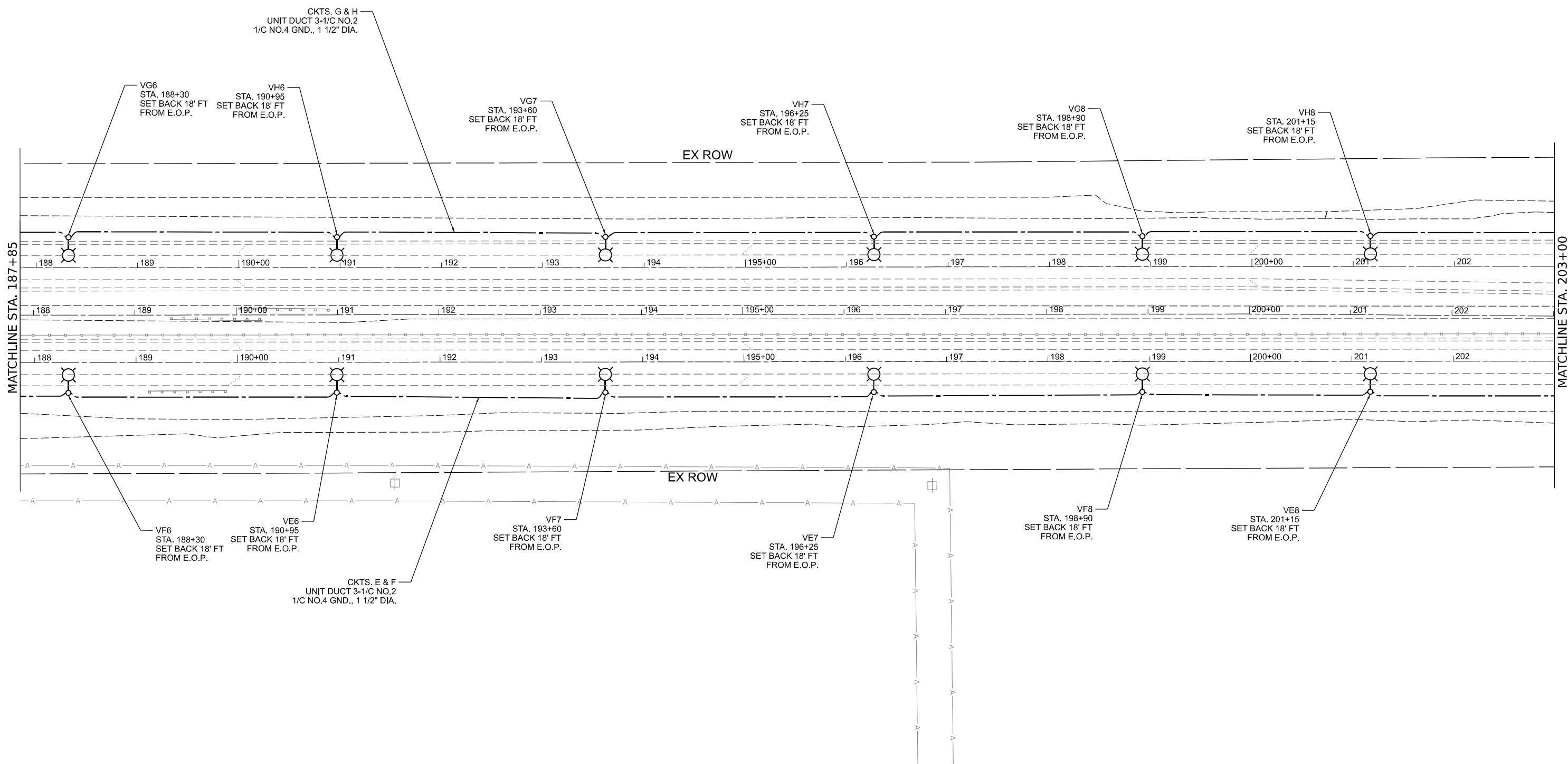
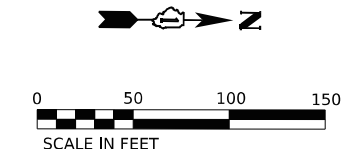


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED LIGHTING PLAN			
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET			
SCALE:	SHEET	OF	SHEETS
			STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	47
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				



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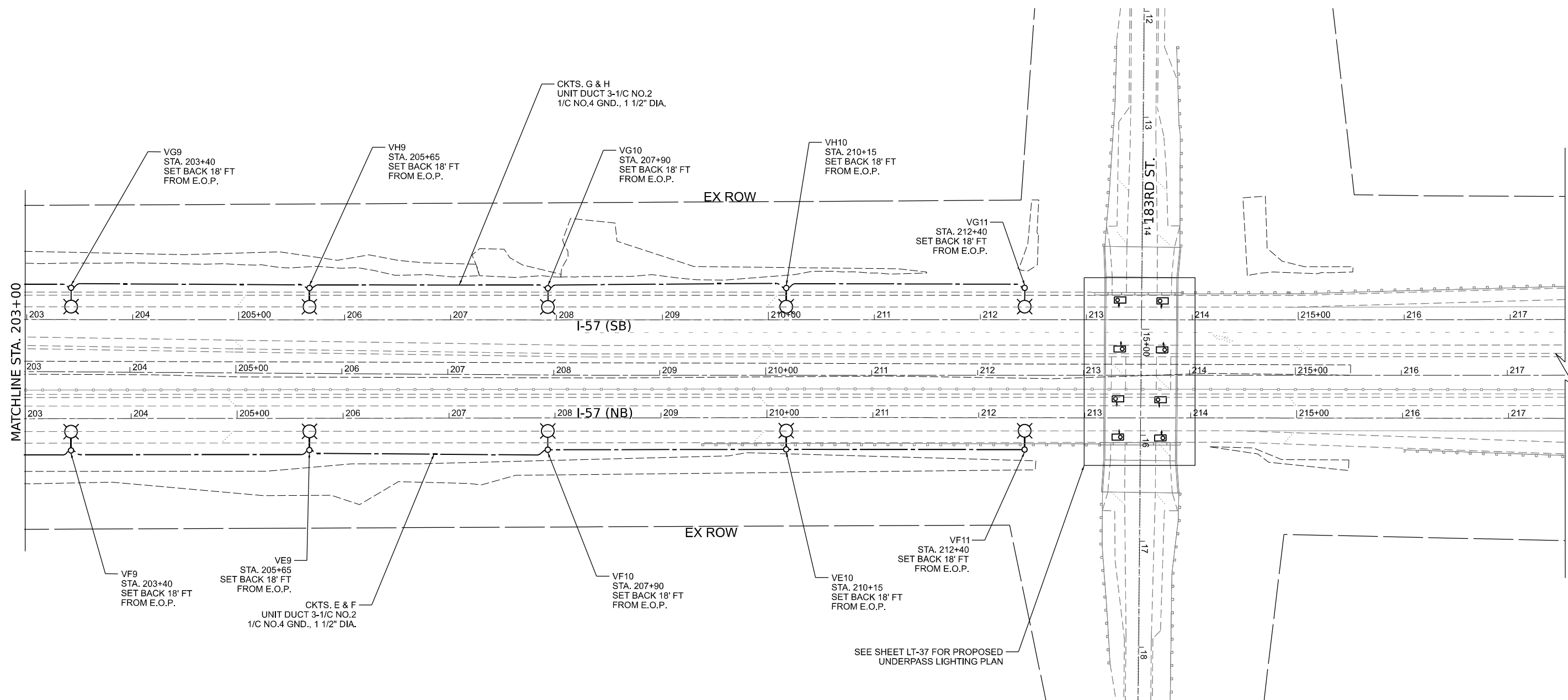
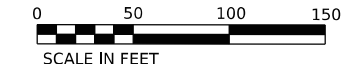
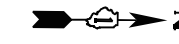
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
 I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	48
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-28



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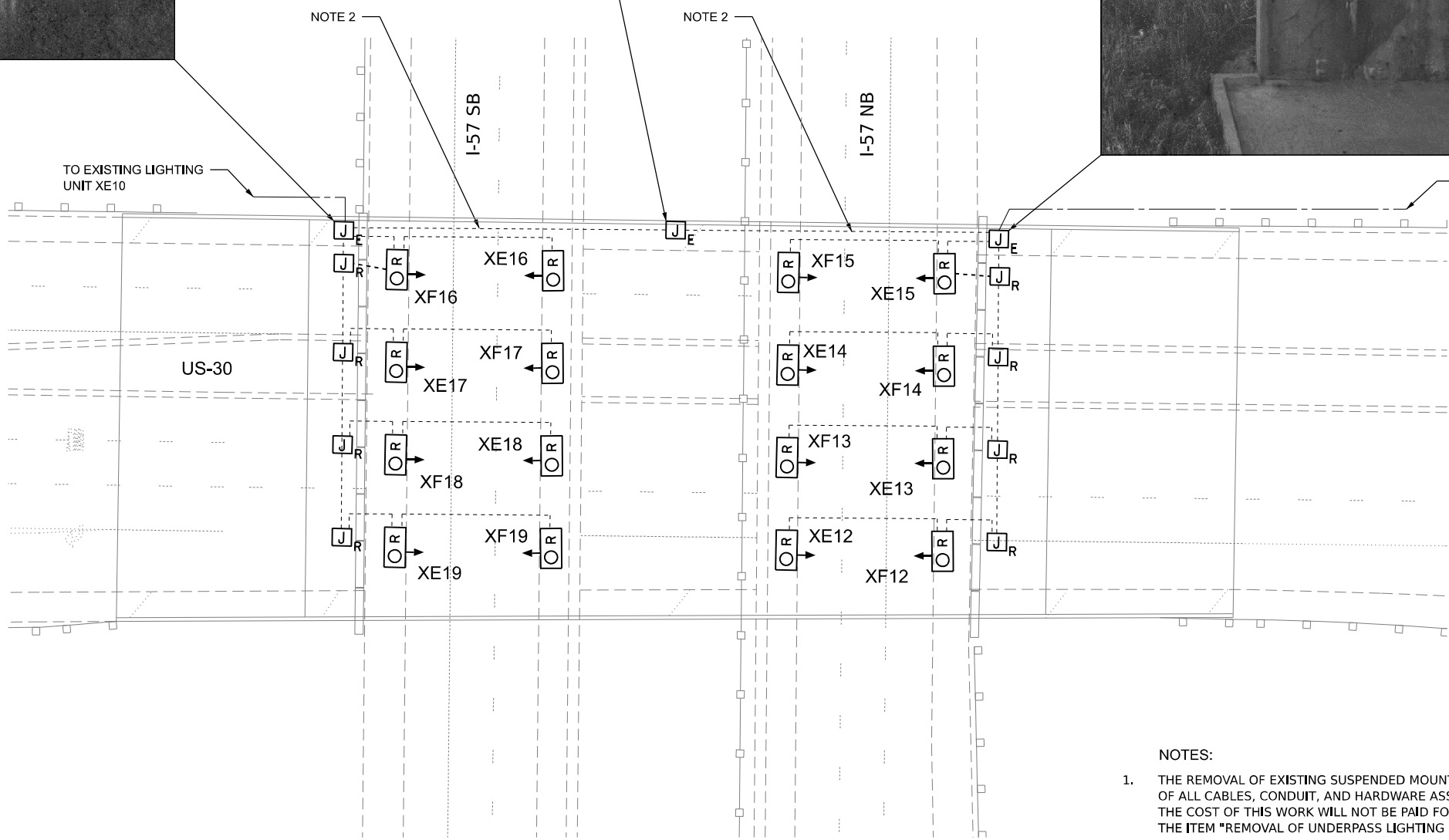
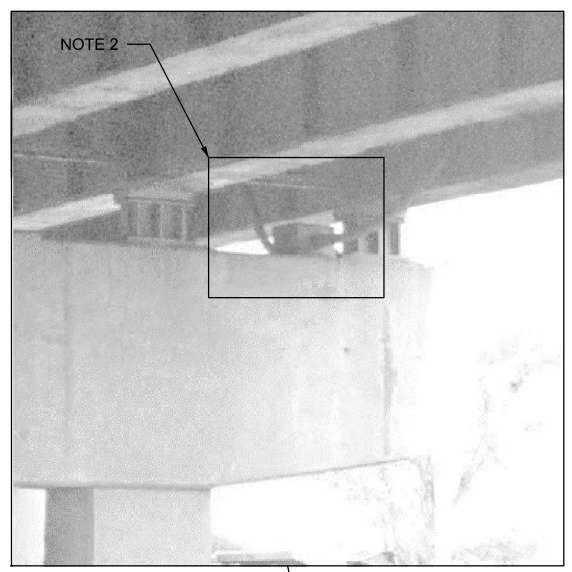
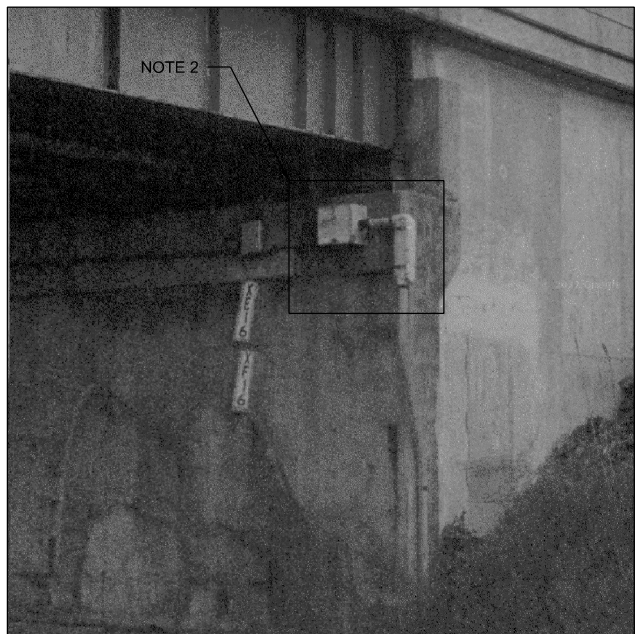
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PLOT DATE = 8/8/2023	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	49
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				



LEGEND:

- REMOVE EXISTING CABLE AND CONDUIT
- EXISTING CABLE AND CONDUIT TO REMAIN
- REMOVE EXISTING JUNCTION BOX
- EXISTING JUNCTION BOX TO REMAIN
- REMOVE EXISTING UNDERPASS LIGHTING FIXTURE

NOTES:

1. THE REMOVAL OF EXISTING SUSPENDED MOUNT UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLES, CONDUIT, AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ITEM "REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE."
2. EXISTING JUNCTION BOXES, CABLES, AND CONDUITS FOR CIRCUITS E AND F ARE TO REMAIN IN PLACE AND NOT DISTURBED, CIRCUITS E & F TO REMAIN ENERGIZED DURING CONSTRUCTION.

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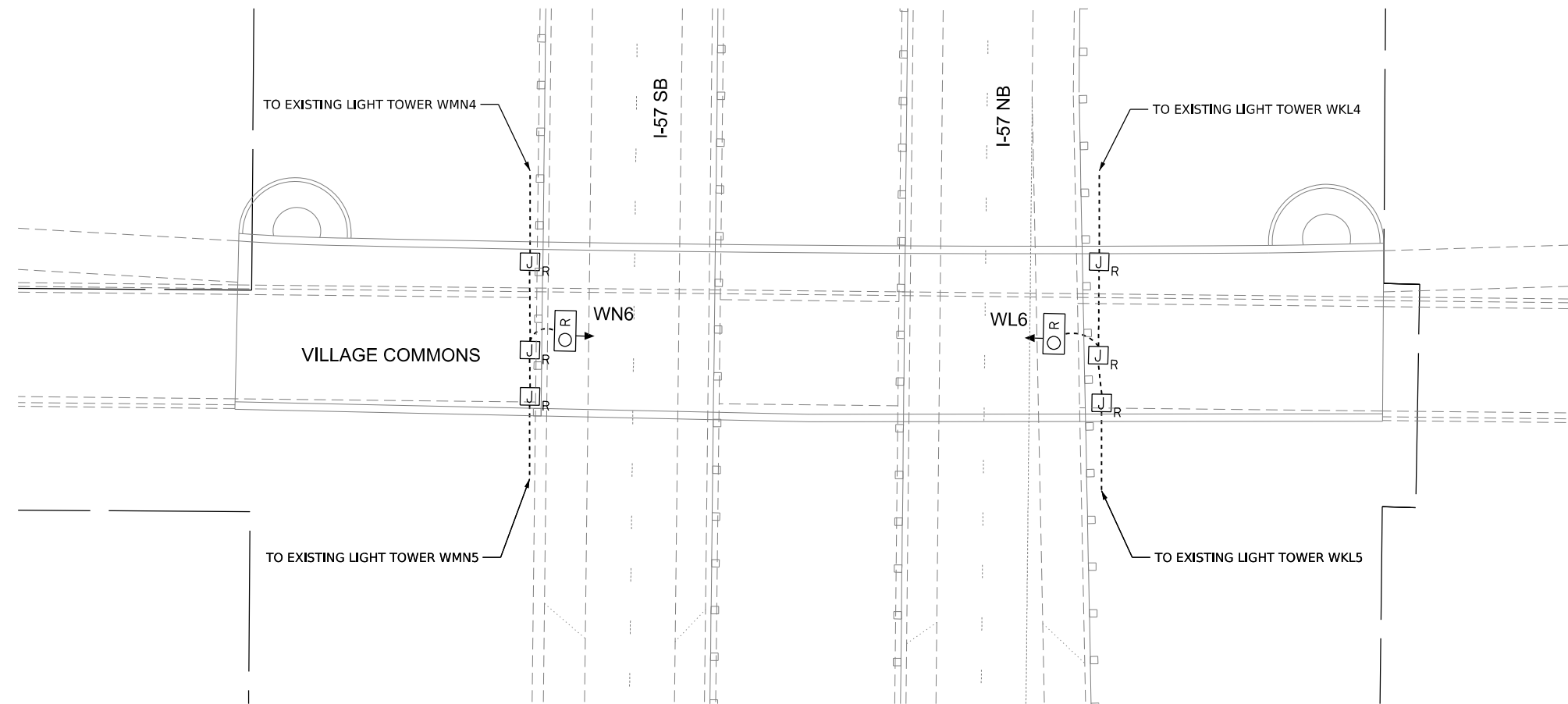
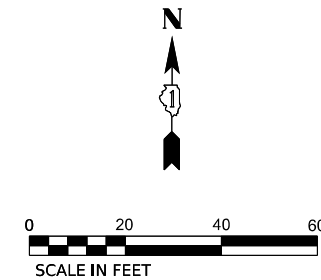
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING UNDERPASS LIGHTING REMOVAL PLAN
I-57 AT US-30**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	50
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-30



LEGEND:

- REMOVE EXISTING CABLE AND CONDUIT
- J_R REMOVE EXISTING JUNCTION BOX
- O_R REMOVE EXISTING UNDERPASS LIGHTING FIXTURE

NOTES:

1. THE REMOVAL OF EXISTING SUSPENDED MOUNT UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLES, CONDUIT, AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ITEM "REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE."

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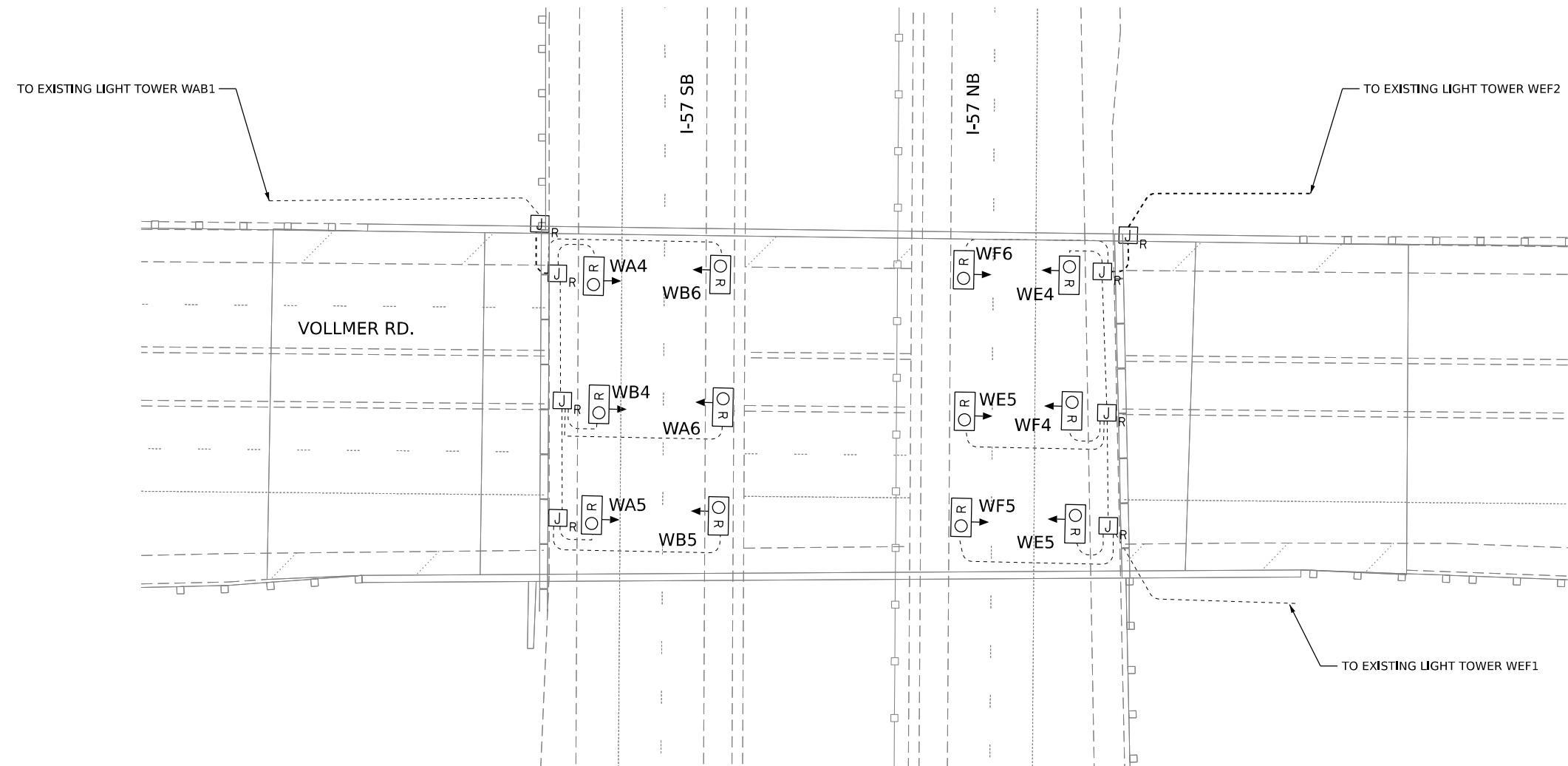
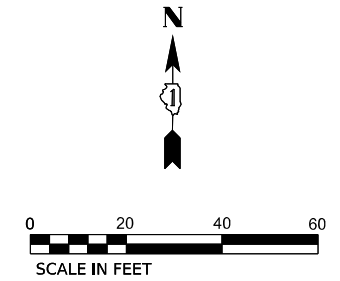
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING UNDERPASS LIGHTING REMOVAL PLAN
I-57 AT VILLAGE COMMONS**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	51
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-31



LEGEND:

- REMOVE EXISTING CABLE AND CONDUIT
- J_R REMOVE EXISTING JUNCTION BOX
- OR REMOVE EXISTING UNDERPASS LIGHTING FIXTURE

LEGEND:

1. THE REMOVAL OF EXISTING SUSPENDED MOUNT UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLES, CONDUIT, AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ITEM "REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE."

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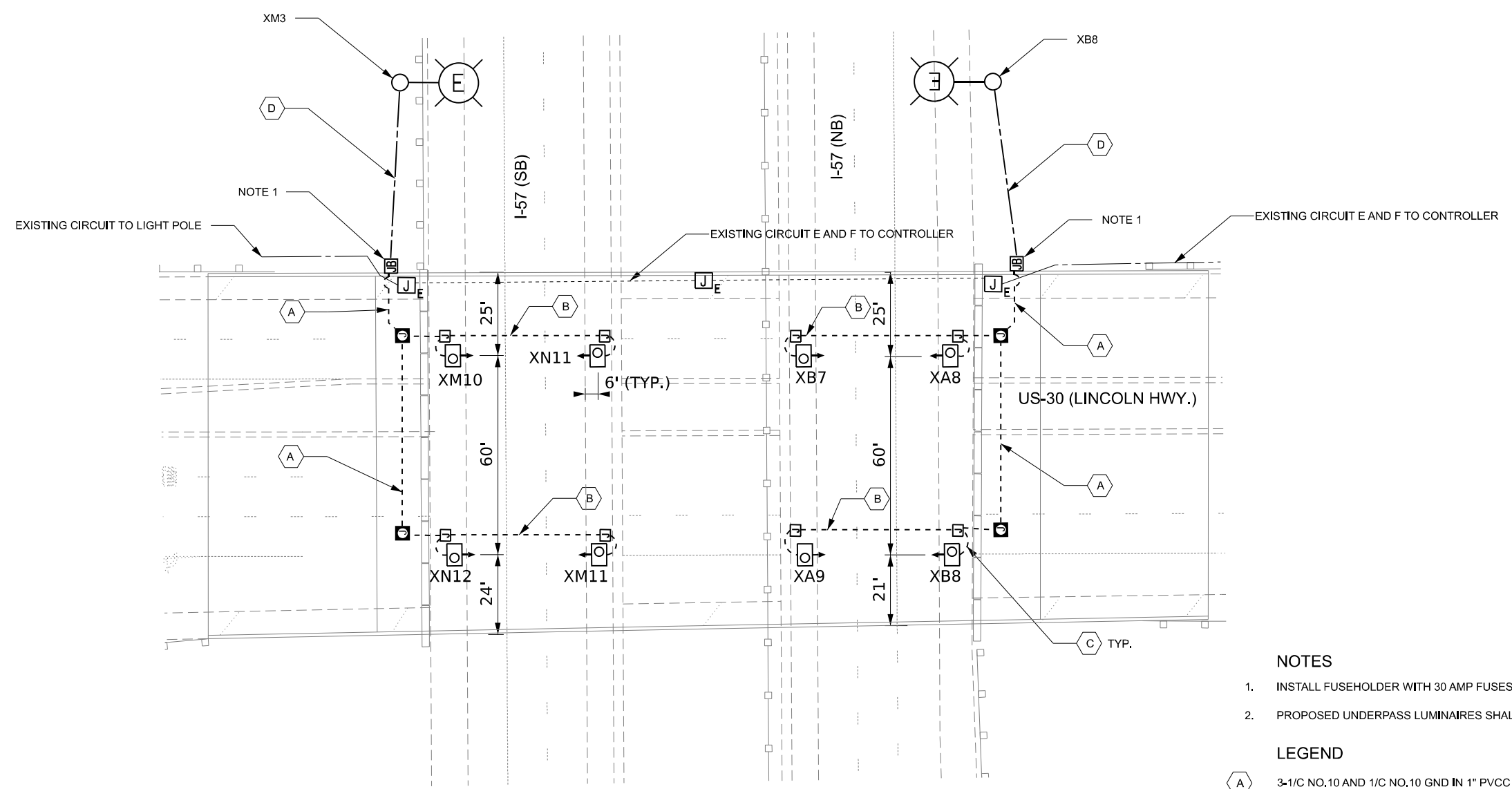
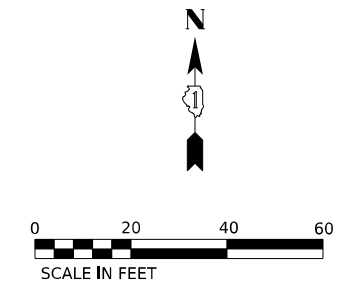
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING UNDERPASS LIGHTING REMOVAL PLAN
I-57 AT VOLLMER ROAD**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	52
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-32



NOTES

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX.
2. PROPOSED UNDERPASS LUMINAIRES SHALL BE SETBACK 6' FROM EDGE OF PAVEMENT

LEGEND

- (A) 3-1/C NO.10 AND 1/C NO.10 GND IN 1" PVCC RGC
- (B) 2-1/C NO.10 AND 1/C NO.10 GND IN 1" PVCC RGC
- (C) 2-1/C NO.10 AND 1-1/C NO.10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- (D) UNIT DUCT, 600V, 3-1/C NO. 2 1/C NO. 4, GND 1 1/2" DIA. (TYP)
- (O) LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (14.5-FT M.H.)
- (J) JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"X6"X4"
- (Q) JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- (JB) JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"

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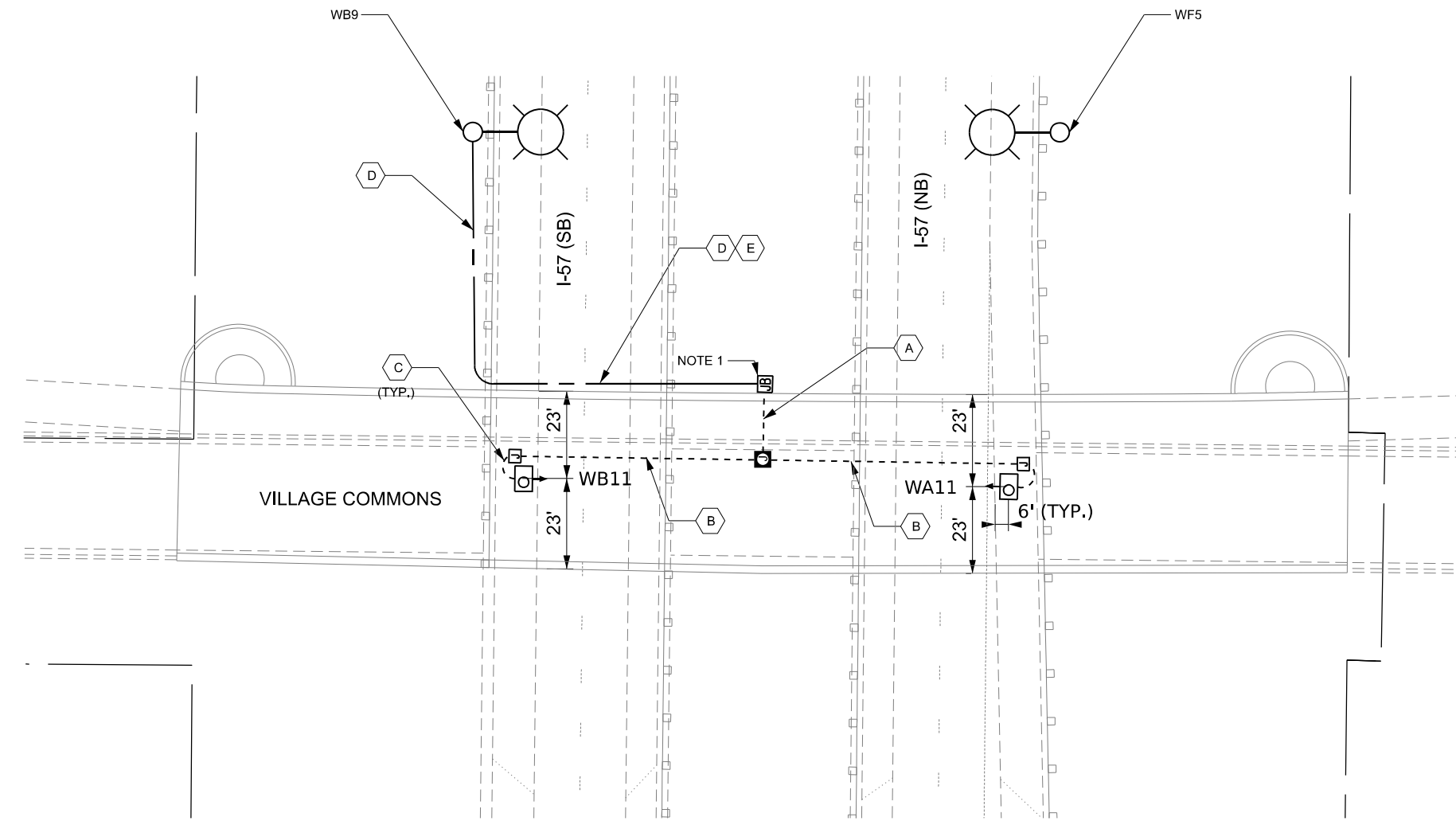
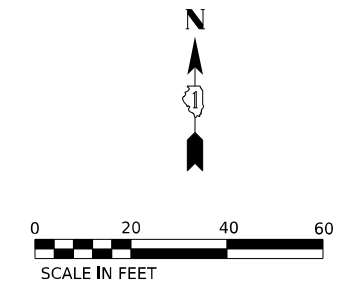
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED UNDERPASS LIGHTING INSTALLATION PLAN
IL-57 AT US-30**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	54
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-34



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 1-1/C NO.10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- UNIT DUCT, 600V, 3-1/C NO. 2 1/C NO. 4, GND 1 1/2" DIA. (TYP)
- UNDERGROUND CONDUIT, PVC, 4" DIA.
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (14.5-FT M.H.)
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"X6"X4"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"

NOTES

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX.
2. PROPOSED UNDERPASS LUMINAIRES SHALL BE SETBACK 6' FROM EDGE OF PAVEMENT

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PLOT DATE	6/26/2023				

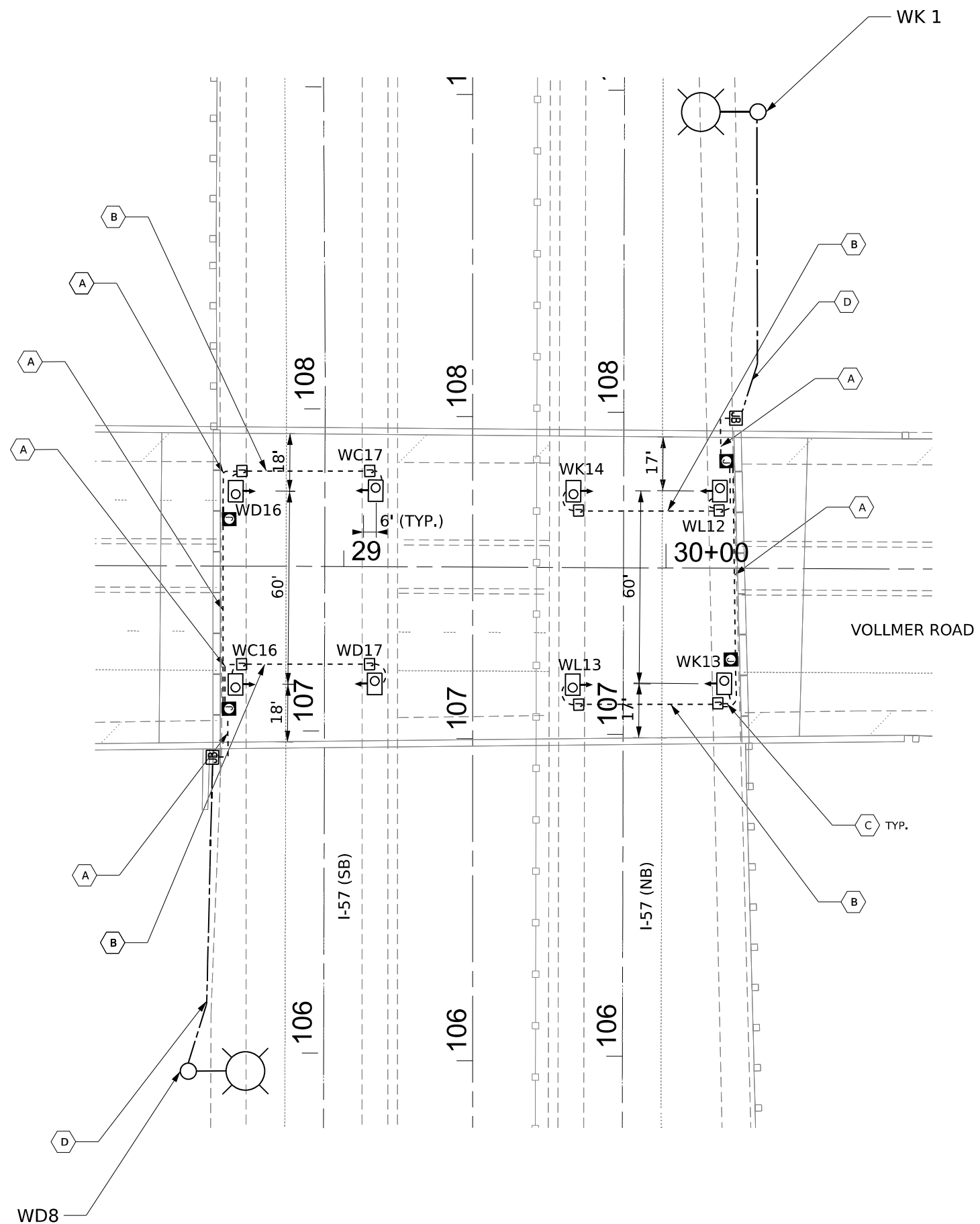
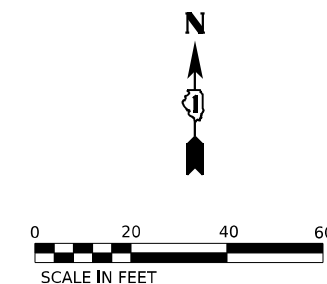
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING INSTALLATION PLAN
I-57 AT VILLAGE COMMONS**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	55
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

LT-35



NOTES

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX.
2. PROPOSED UNDERPASS LUMINAIRES SHALL BE SETBACK 6' FROM EDGE OF PAVEMENT

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 1-1/C NO.10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- UNIT DUCT, 600V, 3-1/C NO. 2 1/C NO. 4, GND 1 1/2" DIA. (TYP)
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (14.5-FT M.H.)
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"x6"x4"
- 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: D:\in\p\proj\1623532\1623532.dwg; FILE NAME: W:\p\proj\1623532\1623532.dwg; SHEET: 1623532\1623532.dwg



USER NAME	vnunez	DESIGNED	VN/MAG	REVISED	-
DRAWN	MAG	REVISIONS			
PLOT SCALE	20,000' = 1"	CHECKED	MG	REVISIONS	
PLOT DATE	6/26/2023	DATE	6/30/2023	REVISIONS	

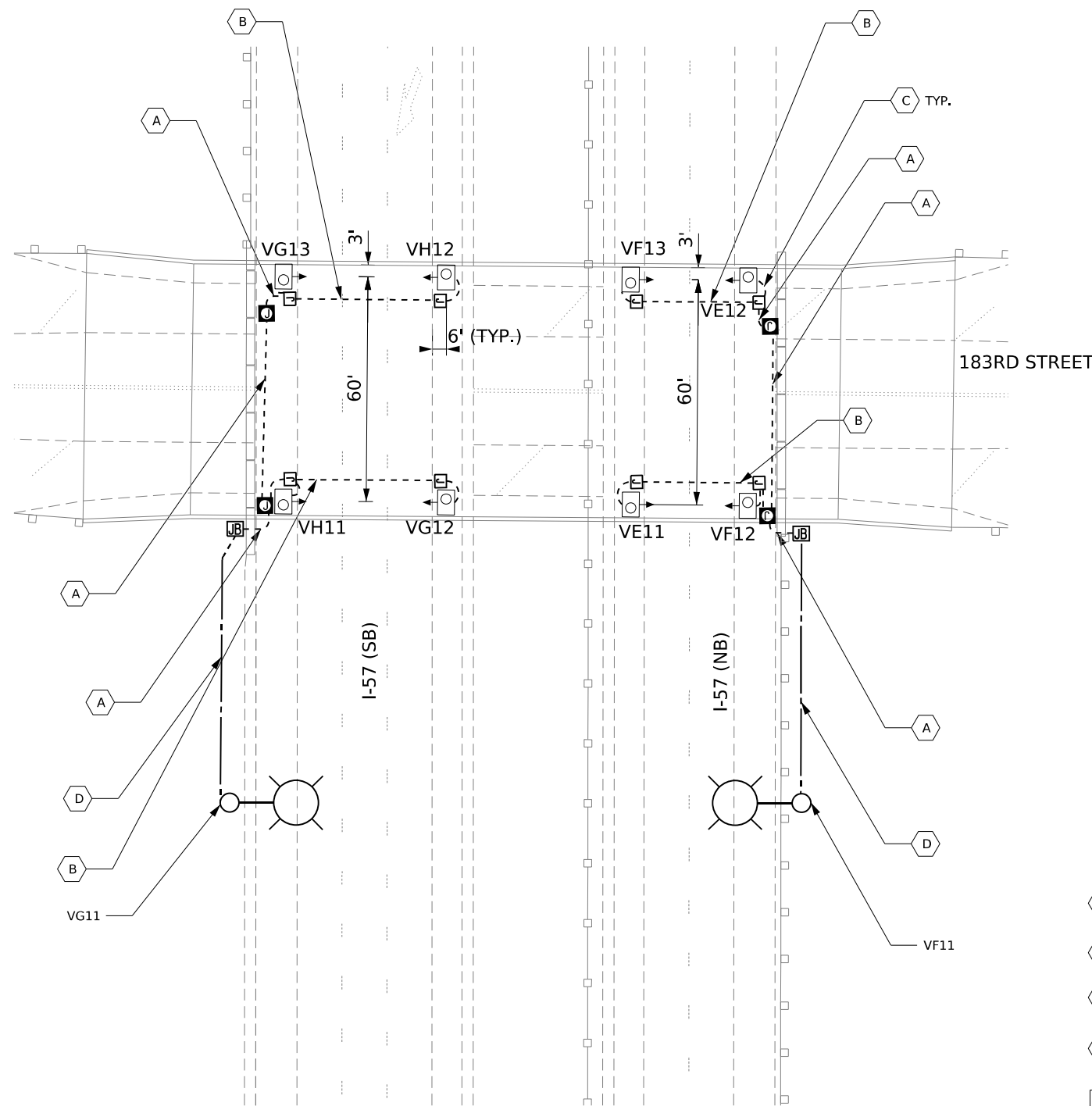
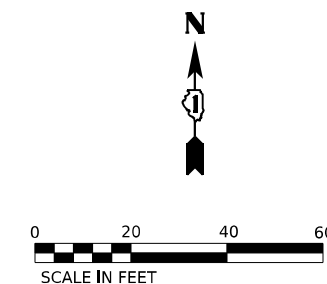
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED UNDERPASS LIGHTING INSTALLATION PLAN
I-57 AT VOLLMER ROAD**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	56
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-36



NOTES

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX.
2. PROPOSED UNDERPASS LUMINAIRES SHALL BE SETBACK 6' FROM EDGE OF PAVEMENT

LEGEND

- 3-1/C NO.10 AND 1/C NO.10 GND IN 1" PVC RGC
- 2-1/C NO.10 AND 1/C NO.10 GND IN 1" PVC RGC
- 2-1/C NO.10 AND 1-1/C NO.10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- UNIT DUCT, 600V, 3-1/C NO. 2 1/C NO. 4, GND 1 1/2" DIA. (TYP)
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (14.5-FT M.H.)
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"X6"X4"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"

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USER NAME	■ vnunez	DESIGNED -	VN/MAG	REVISED -	
		DRAWN -	MAG	REVISED -	
PLOT SCALE	■ 20,000' / 1"	CHECKED -	MG	REVISED -	
PLOT DATE	■ 6/26/2023	DATE -	6/30/2023	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

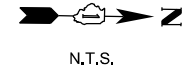
**PROPOSED UNDERPASS LIGHTING INSTALLATION PLAN
IL ROUTE 57 AT 183RD STREET**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	57
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

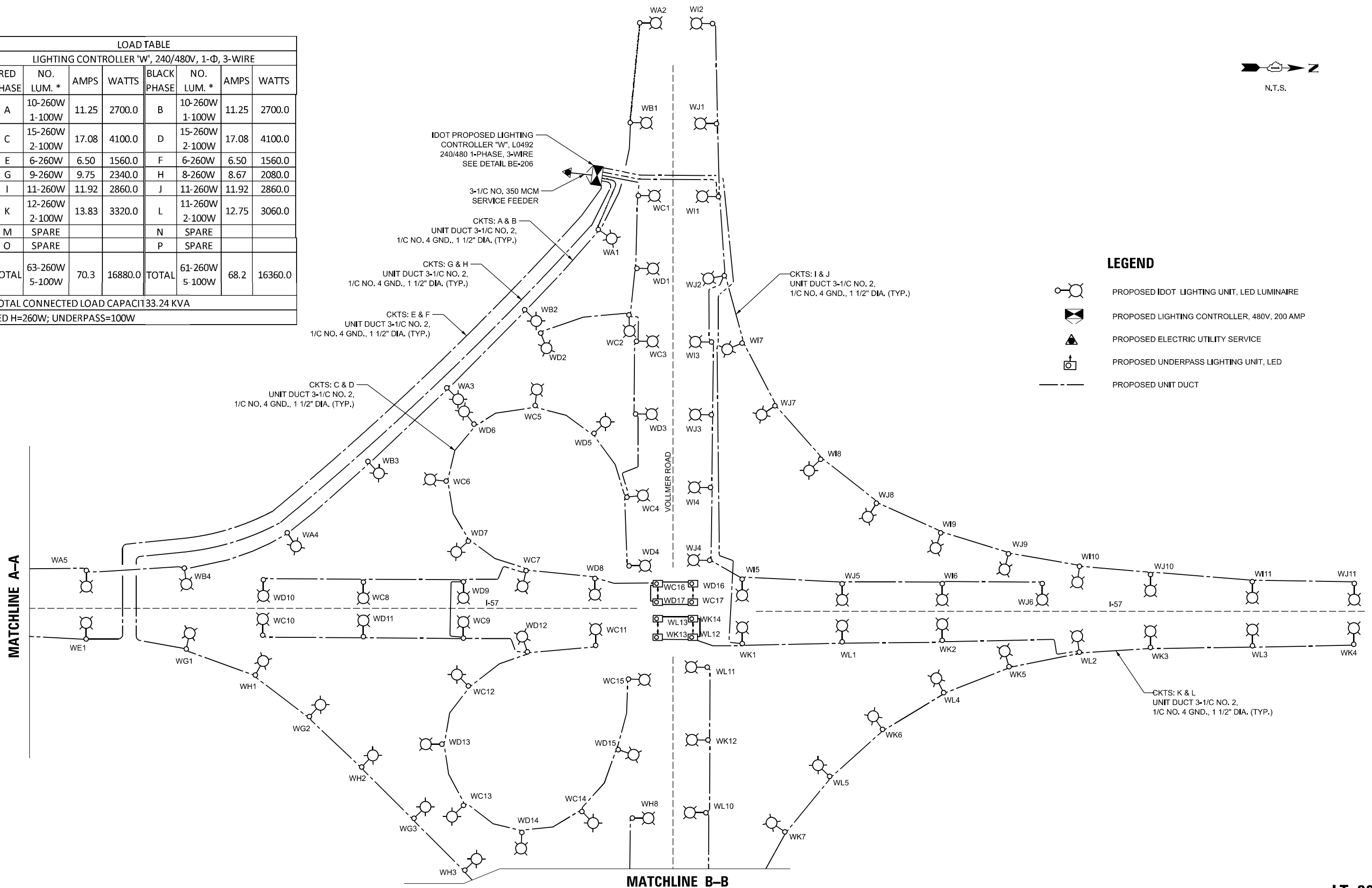
LT-37

LOAD TABLE							
LIGHTING CONTROLLER "W", 240/480V, 1-Φ, 3-WIRE							
RED PHASE	NO. LUM. *	AMPS	WATTS	BLACK PHASE	NO. LUM. *	AMPS	WATTS
A	10-260W 1-100W	11.25	2700.0	B	10-260W 1-100W	11.25	2700.0
C	15-260W 2-100W	17.08	4100.0	D	15-260W 2-100W	17.08	4100.0
E	6-260W	6.50	1560.0	F	6-260W	6.50	1560.0
G	9-260W	9.75	2340.0	H	8-260W	8.67	2080.0
I	11-260W	11.92	2860.0	J	11-260W	11.92	2860.0
K	12-260W 2-100W	13.83	3320.0	L	11-260W 2-100W	12.75	3060.0
M	SPARE			N	SPARE		
O	SPARE			P	SPARE		
TOTAL	63-260W 5-100W	70.3	16880.0	TOTAL	61-260W 5-100W	68.2	16360.0
TOTAL CONNECTED LOAD CAPACITY 33.24 KVA							
LED H=260W; UNDERPASS=100W							



LEGEND

- PROPOSED IDOT LIGHTING UNIT, LED LUMINAIRE
- PROPOSED LIGHTING CONTROLLER, 480V, 200 AMP
- PROPOSED ELECTRIC UTILITY SERVICE
- PROPOSED UNDERPASS LIGHTING UNIT, LED
- PROPOSED UNIT DUCT



MODEL: Define; FILE NAME: W:\Projects\62245\2022\62245_CADD\CADD_Sheets\62245_Lighting\LT-38.dwg



USER NAME	■ vn/mag	DESIGNED	- VN/MAG	REVISED	-
PLOT SCALE	■ 50,000' / 1"	DRAWN	- MAG	REVISED	-
PLOT DATE	■ 6/26/2023	CHECKED	- MG	REVISED	-
		DATE	- 6/30/2023	REVISED	-

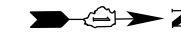
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER "W" WIRING DIAGRAM
(SHEET 1 OF 2)

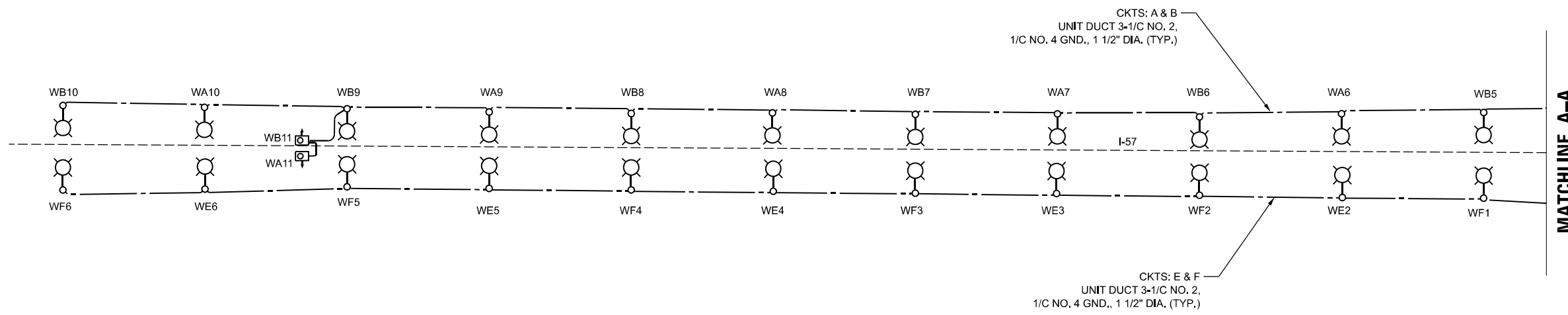
SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	58
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

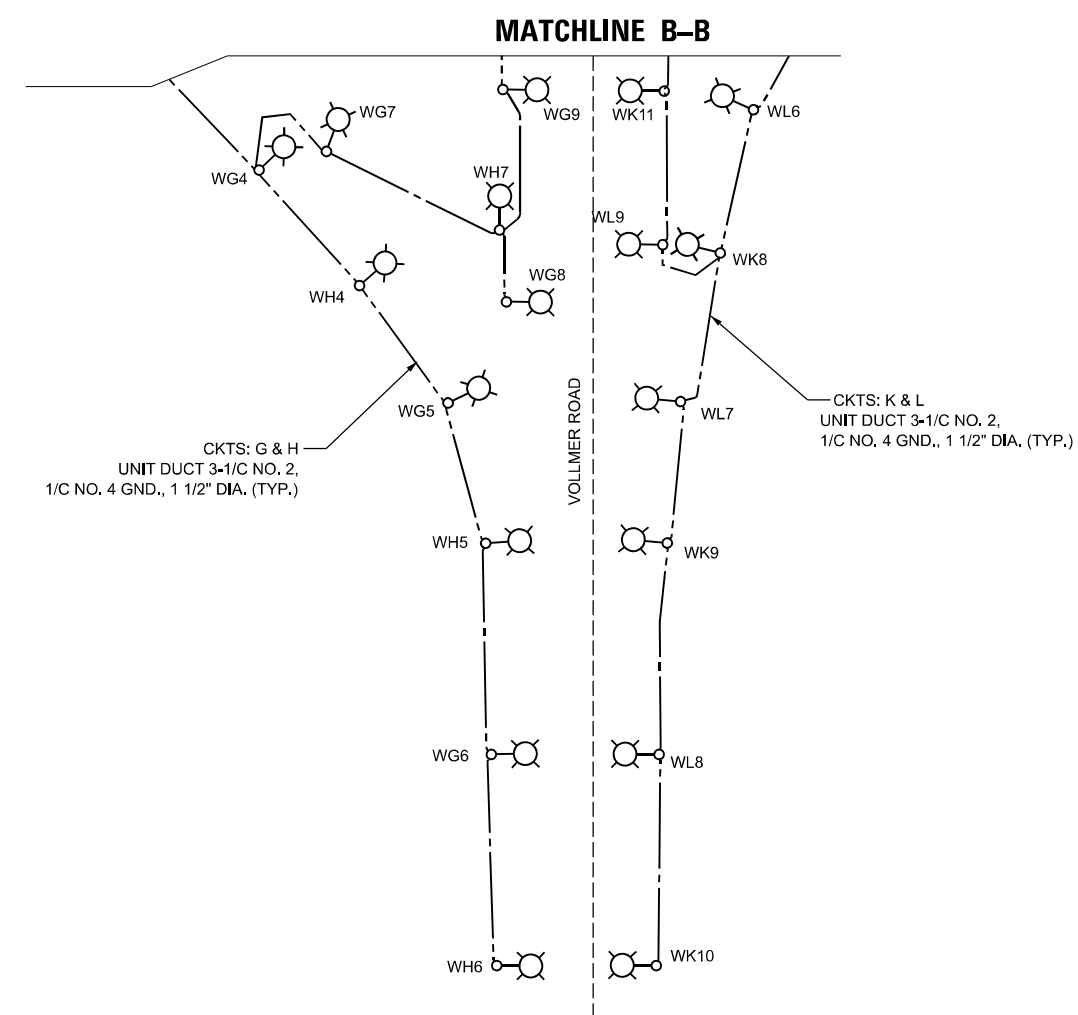
LT-38



N.T.S.








MATCHLINE A-A



MATCHLINE B-B

LEGEND

-  PROPOSED IDOT LIGHTING UNIT, LED LUMINAIRE
-  PROPOSED LIGHTING CONTROLLER, 480V, 200 AMP
-  PROPOSED ELECTRIC UTILITY SERVICE
-  PROPOSED UNDERPASS LIGHTING UNIT, LED
-  PROPOSED UNIT DUCT

MODEL: D:\info\... FILE NAME: W... C:\D\CADD\... SHEET: 59 OF 77



USER NAME	vnunez	DESIGNED	VN/MAG	REVISED	-
DRAWN	MAG	REVISIONS		REVISED	-
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PLOT DATE	6/26/2023	DATE	6/30/2023	REVISED	-

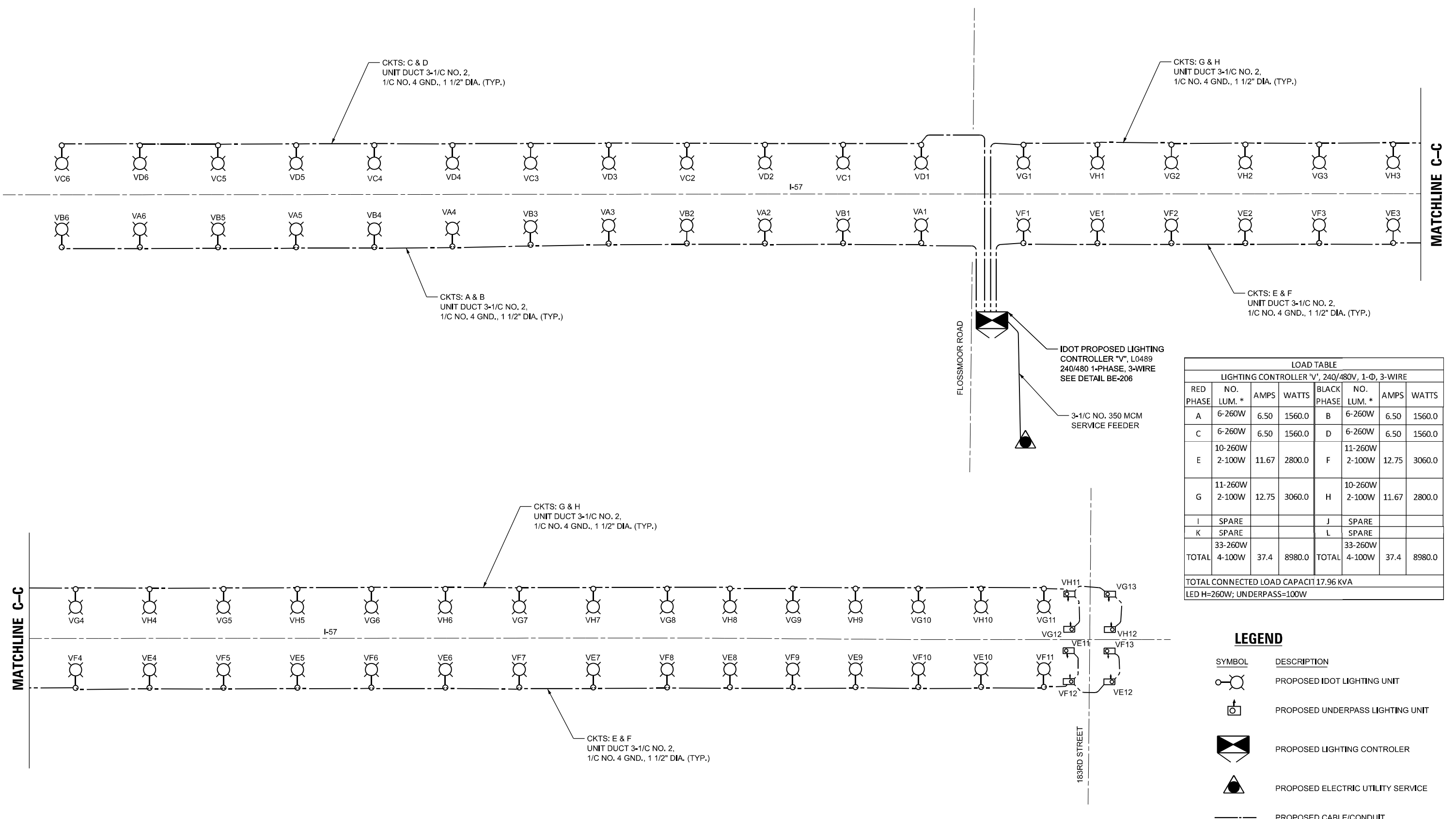
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**LIGHTING CONTROLLER "W" WIRING DIAGRAM
(SHEET 2 OF 2)**

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	59
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

LT-39



LOAD TABLE							
LIGHTING CONTROLLER 'V', 240/480V, 1-Ø, 3-WIRE							
RED PHASE	NO. LUM. *	AMPS	WATTS	BLACK PHASE	NO. LUM. *	AMPS	WATTS
A	6-260W	6.50	1560.0	B	6-260W	6.50	1560.0
C	6-260W	6.50	1560.0	D	6-260W	6.50	1560.0
E	10-260W 2-100W	11.67	2800.0	F	11-260W 2-100W	12.75	3060.0
G	11-260W 2-100W	12.75	3060.0	H	10-260W 2-100W	11.67	2800.0
I	SPARE			J	SPARE		
K	SPARE			L	SPARE		
TOTAL	33-260W 4-100W	37.4	8980.0	TOTAL	33-260W 4-100W	37.4	8980.0

TOTAL CONNECTED LOAD CAPACITY 17.96 KVA
LED H=260W; UNDERPASS=100W

LEGEND	
SYMBOL	DESCRIPTION
	PROPOSED IDOT LIGHTING UNIT
	PROPOSED UNDERPASS LIGHTING UNIT
	PROPOSED LIGHTING CONTROLLER
	PROPOSED ELECTRIC UTILITY SERVICE
	PROPOSED CABLE/CONDUIT

MODEL: D:\in\16235\2023\2023_06_26\16235_06_26_CADD\CADD_Sheets\16235_06_26_Lighting.dwg



USER NAME	vnunez	DESIGNED	VN/MAG	REVISED	-
DRAWN	MAG	REVISIONS			
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PLOT DATE	6/26/2023	DATE	6/30/2023	REVISIONS	

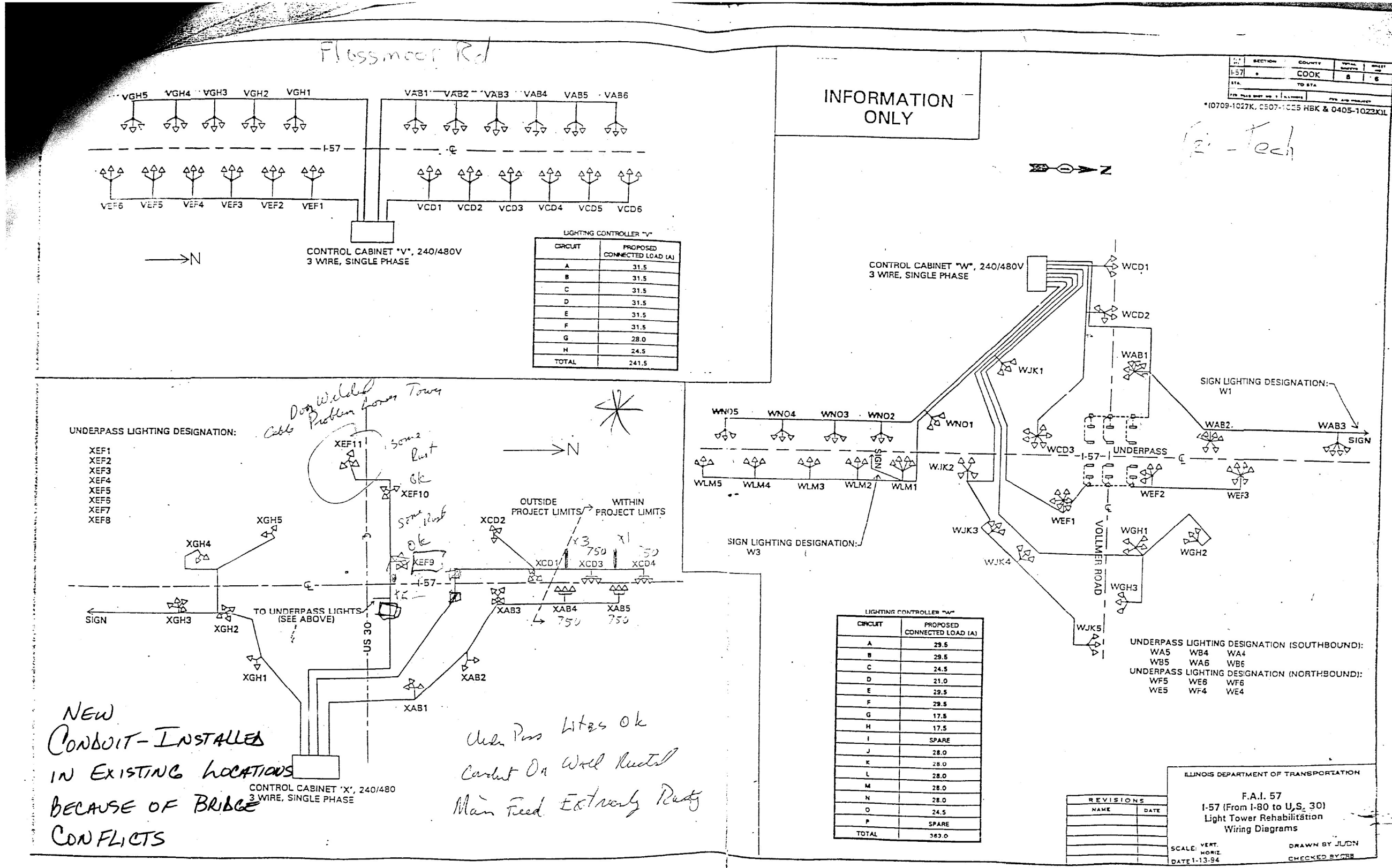
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER "V" WIRING DIAGRAM

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	60
CONTRACT NO. 62U48				

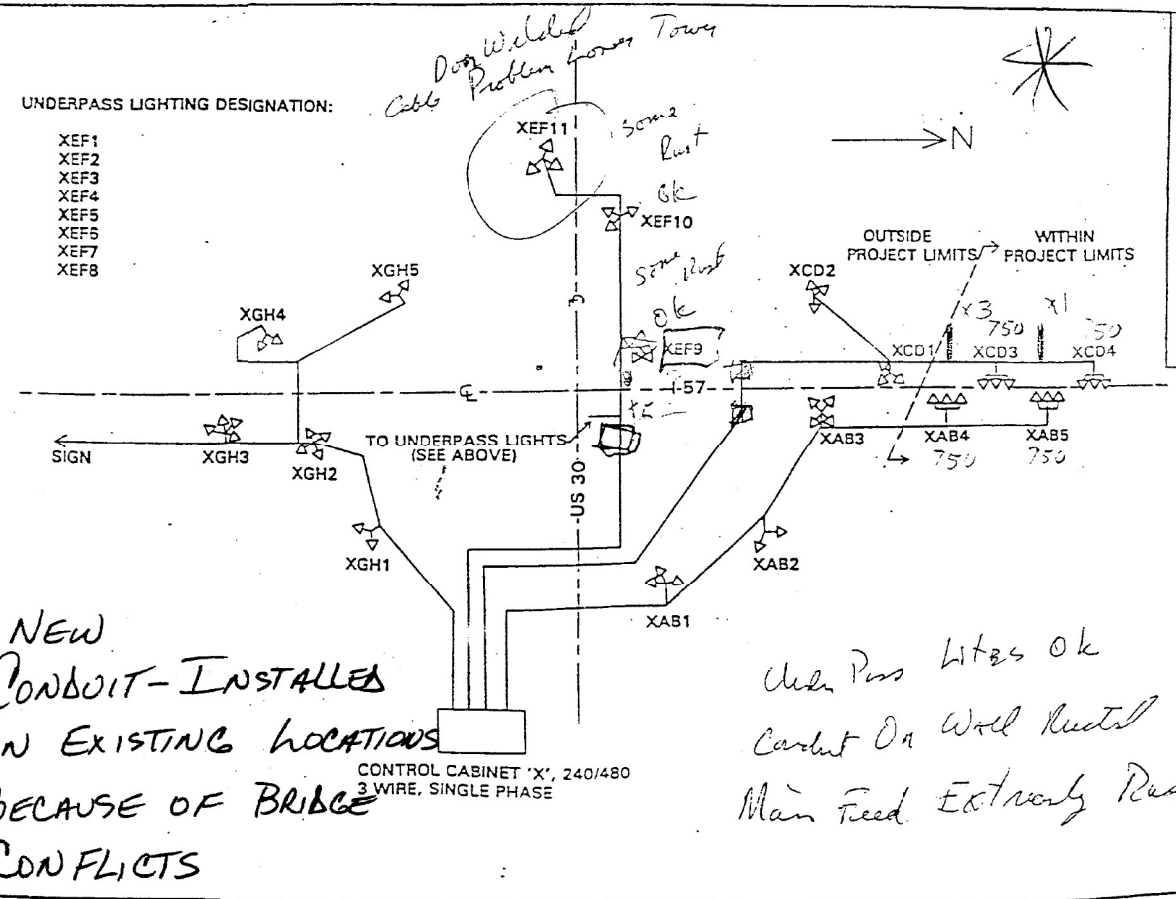
LT-40



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	COOK	8	6
STA.	TO STA.		

(10709-1027K, 0507-1025 HBK & 0405-1023KIL)

Fe-Tech



ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 57
I-57 (From I-80 to U.S. 30)
Light Tower Rehabilitation
Wiring Diagrams

SCALE: VERT. _____
HORIZ. _____
DATE 1-13-94

DRAWN BY JUDN
CHECKED BY GRR

REVISIONS	
NAME	DATE

FOR INFORMATION ONLY

MODEL: D:\proj\18235\2023\CADD\CADD_Sheets\18235\Sheet\LT-41.dwg



USER NAME	vnunez	DESIGNED	VN/MAG	REVISED	-
DRAWN	MAG	REVISIONS	-		
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PLOT DATE	6/26/2023	DATE	6/30/2023	REVISED	-

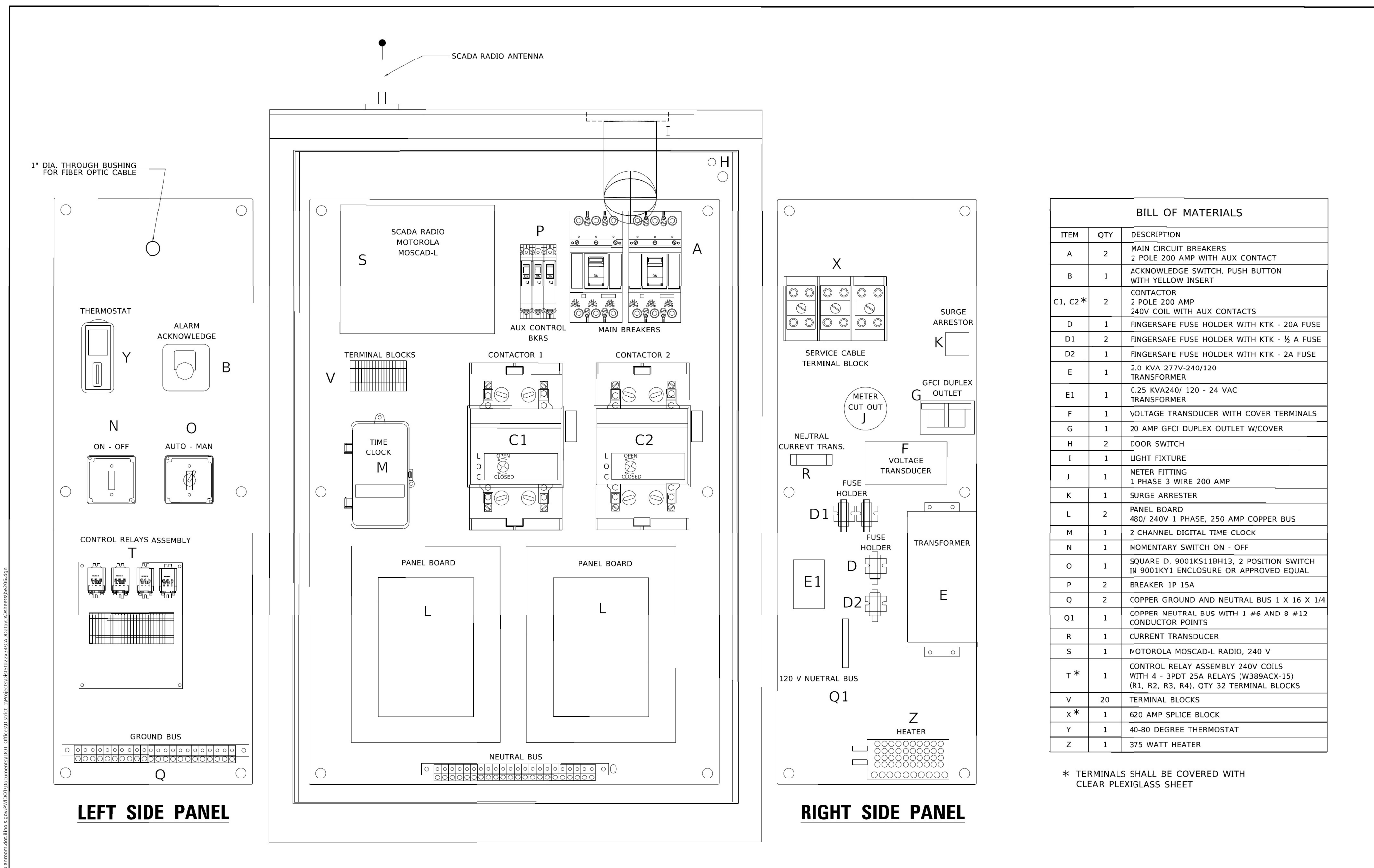
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AS-BUILT LIGHTING PLAN

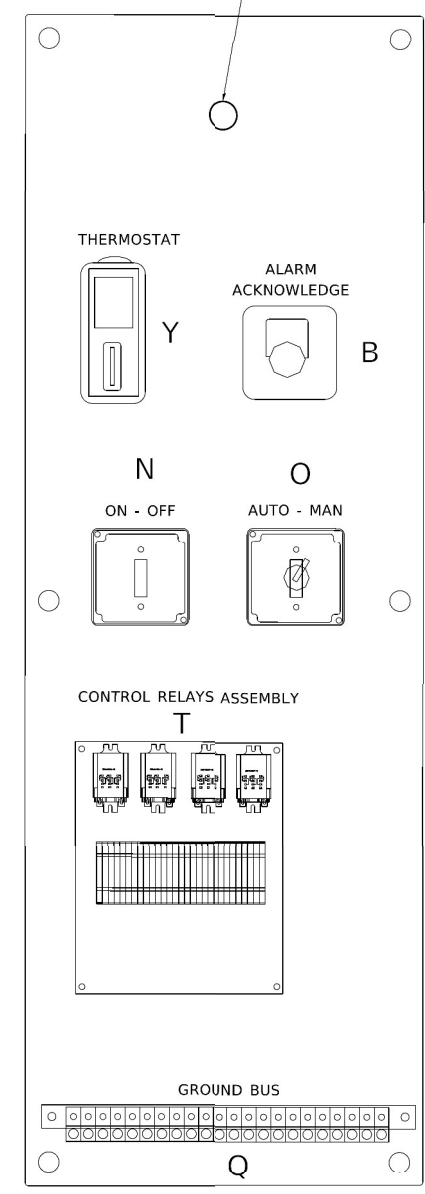
SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	61
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

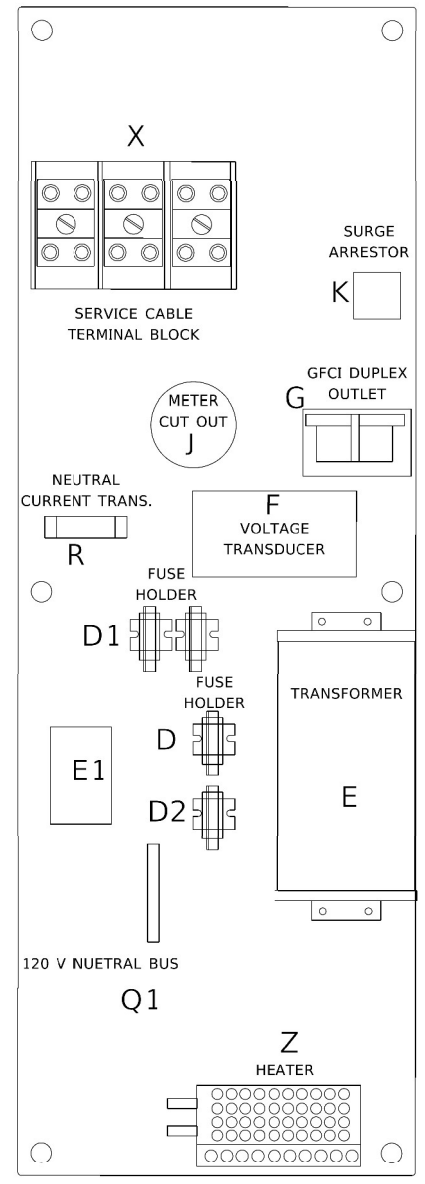
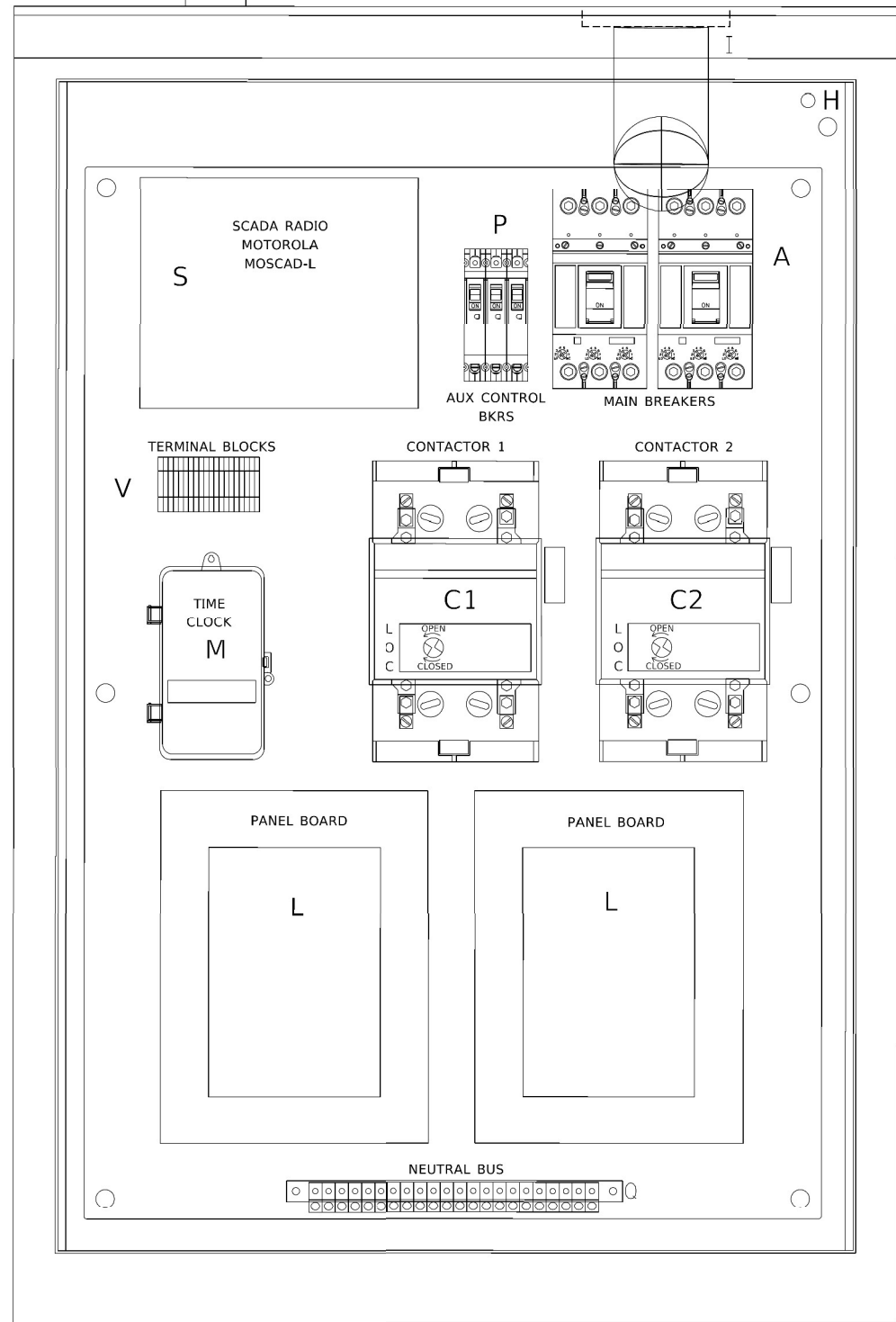
LT-41



1" DIA. THROUGH BUSHING FOR FIBER OPTIC CABLE



LEFT SIDE PANEL



RIGHT SIDE PANEL

BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	2	MAIN CIRCUIT BREAKERS 2 POLE 200 AMP WITH AUX CONTACT
B	1	ACKNOWLEDGE SWITCH, PUSH BUTTON WITH YELLOW INSERT
C1, C2*	2	CONTACTOR 2 POLE 200 AMP 240V COIL WITH AUX CONTACTS
D	1	FINGERSAFE FUSE HOLDER WITH KTK - 20A FUSE
D1	2	FINGERSAFE FUSE HOLDER WITH KTK - 1/2 A FUSE
D2	1	FINGERSAFE FUSE HOLDER WITH KTK - 2A FUSE
E	1	2.0 KVA 277V-240/120 TRANSFORMER
E1	1	0.25 KVA240/ 120 - 24 VAC TRANSFORMER
F	1	VOLTAGE TRANSDUCER WITH COVER TERMINALS
G	1	20 AMP GFCI DUPLEX OUTLET W/COVER
H	2	DOOR SWITCH
I	1	LIGHT FIXTURE
J	1	METER FITTING 1 PHASE 3 WIRE 200 AMP
K	1	SURGE ARRESTER
L	2	PANEL BOARD 480/ 240V 1 PHASE, 250 AMP COPPER BUS
M	1	2 CHANNEL DIGITAL TIME CLOCK
N	1	NO-MOMENTARY SWITCH ON - OFF
O	1	SQUARE D, 9001KS11BH13, 2 POSITION SWITCH IN 9001KY1 ENCLOSURE OR APPROVED EQUAL
P	2	BREAKER 1P 15A
Q	2	COPPER GROUND AND NEUTRAL BUS 1 X 16 X 1/4
Q1	1	COPPER NEUTRAL BUS WITH 1 #6 AND 8 #12 CONDUCTOR POINTS
R	1	CURRENT TRANSDUCER
S	1	MOTOROLA MOSCAD-L RADIO, 240 V
T*	1	CONTROL RELAY ASSEMBLY 240V COILS WITH 4 - 3PDT 25A RELAYS (W389ACX-15) (R1, R2, R3, R4), QTY 32 TERMINAL BLOCKS
V	20	TERMINAL BLOCKS
X*	1	620 AMP SPICE BLOCK
Y	1	40-80 DEGREE THERMOSTAT
Z	1	375 WATT HEATER

* TERMINALS SHALL BE COVERED WITH CLEAR PLEXIGLASS SHEET

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PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/15/2020	DATE - 01-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION	
SCALE: NONE	SHEET 1 OF 4 SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE-206			CONTRACT NO. _____	
ILLINOIS FED. AID PROJECT				

SD-01

MODEL: Default
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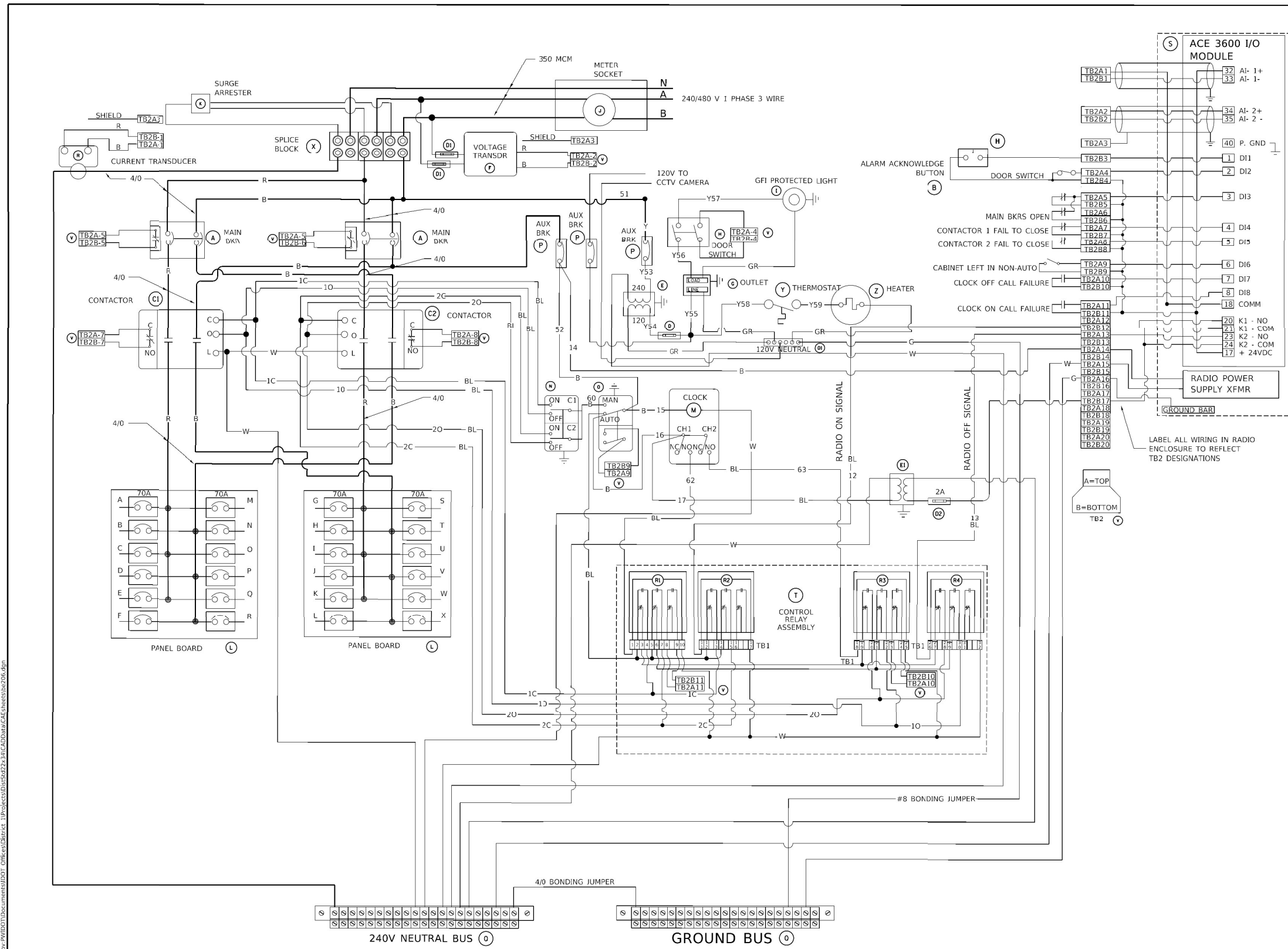


USER NAME = vnunez	DESIGNED - VN/MAG	REVISED -
PLOT SCALE = 1,0000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 6/26/2023	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS	
SCALE:	SHEET OF SHEETS STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	62
			CONTRACT NO. 62U48	
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	2	MAIN CIRCUIT BREAKERS 2 POLE 200 AMP WITH AUX CONTACT
B	1	ACKNOWLEDGE SWITCH, PUSH BUTTON WITH YELLOW INSERT
C1, C2 *	2	CONTACTOR 2 POLE 200 AMP 240V LULI WITH AUX CONTACT'S
D	1	FINGERSAFE FUSE HOLDER WITH KTK - 20A FUSE
D1	2	FINGERSAFE FUSE HOLDER WITH KTK - 1/2 A FUSE
D2	1	FINGERSAFE FUSE HOLDER WITH KTK - 2A FUSE
E	1	2.0 KVA 277V-240/120 TRANSFORMER
E1	1	0.25 KVA240/ 120 - 24 VAC TRANSFORMER
F	1	VOLTAGE TRANSDUCER WITH COVER TERMINALS
G	1	20 AMP GFCI DUPLEX OUTLET W/COVER
H	2	DOOR SWITCH
I	1	LIGHT FIXTURE
J	1	METER FITTING 1 PHASE 3 WIRE 200 AMP
K	1	SURGE ARRESTER
L	2	PANEL BOARD 480/ 240V 1 PHASE, 250 AMP COPPER BUS
M	1	2 CHANNEL DIGITAL TIME CLOCK
N	1	MOMENTARY SWITCH ON - OFF
O	1	SQUARE D, 9001KS11B13, 2 POSITION SWITCH IN 9001KY1 ENCLOSURE OR APPROVED EQUAL
P	2	BREAKER 1P 15A
Q	2	COPPER GROUND AND NEUTRAL BUS 1 X 16 X 1/4
Q1	1	COPPER NEUTRAL BUS WITH 1 #6 AND 8 #12 CONDUCTOR POINTS
R	1	CURRENT TRANSDUCER
S	1	MOTOROLA MOSCAD-L RADIO, 240 V
T *	1	CONTROL RELAY ASSEMBLY 240V COILS WITH 4 - 3PDT 25A RELAYS (W389ACX-15) (R1, R2, R3, R4), QTY 32 TERMINAL BLOCKS
V	20	TERMINAL BLOCKS
X *	1	620 AMP SPLICE BLOCK
Y	1	40-80 DEGREE THERMOSTAT
Z	1	375 WATT HEATER

* TERMINALS SHALL BE COVERED WITH CLEAR PLEXIGLASS SHEET

MODEL: Definit
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USER NAME = keysa	DESIGNED - R. TOMSONS	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/15/2020	DATE - 01-15-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING CONTROLLER, BASE MOUNTED,
480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION**

SCALE: NONE SHEET 2 OF 4 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	63
CONTRACT NO. _____			ILLINOIS FED. AID PROJECT	

SD-02

USER NAME = vnunez	DESIGNED - VN/MAG	REVISED -
PLOT SCALE = 1,0000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 6/26/2023	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

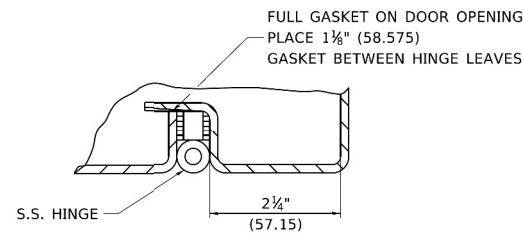
IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

SCALE: SHEET OF SHEETS STA. _____

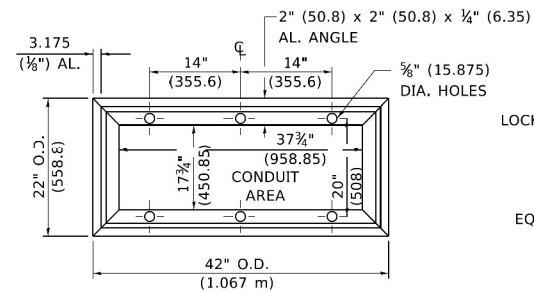
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57	2022 TRAFFIC LT	COOK	77	63
CONTRACT NO. 62U48			ILLINOIS FED. AID PROJECT	

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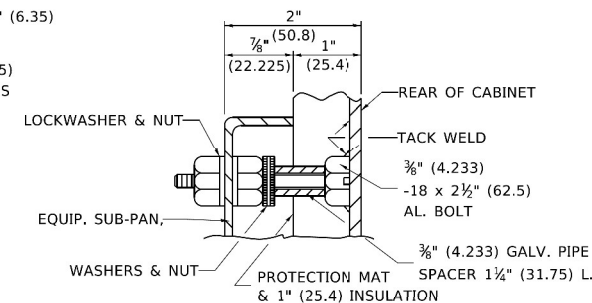




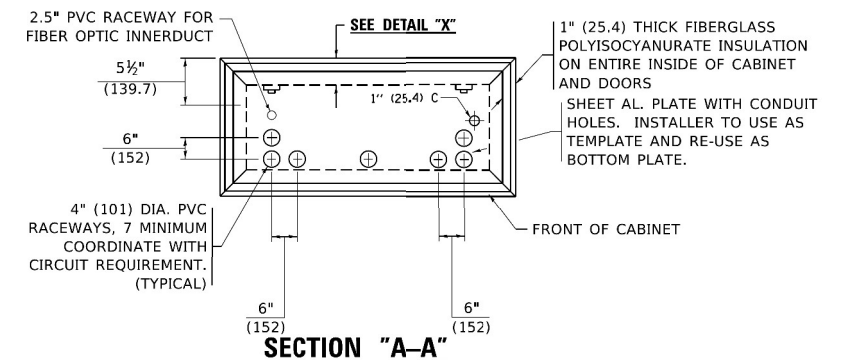
DETAIL "Y"



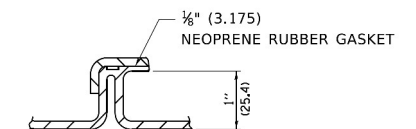
BASE MTG. DETAIL



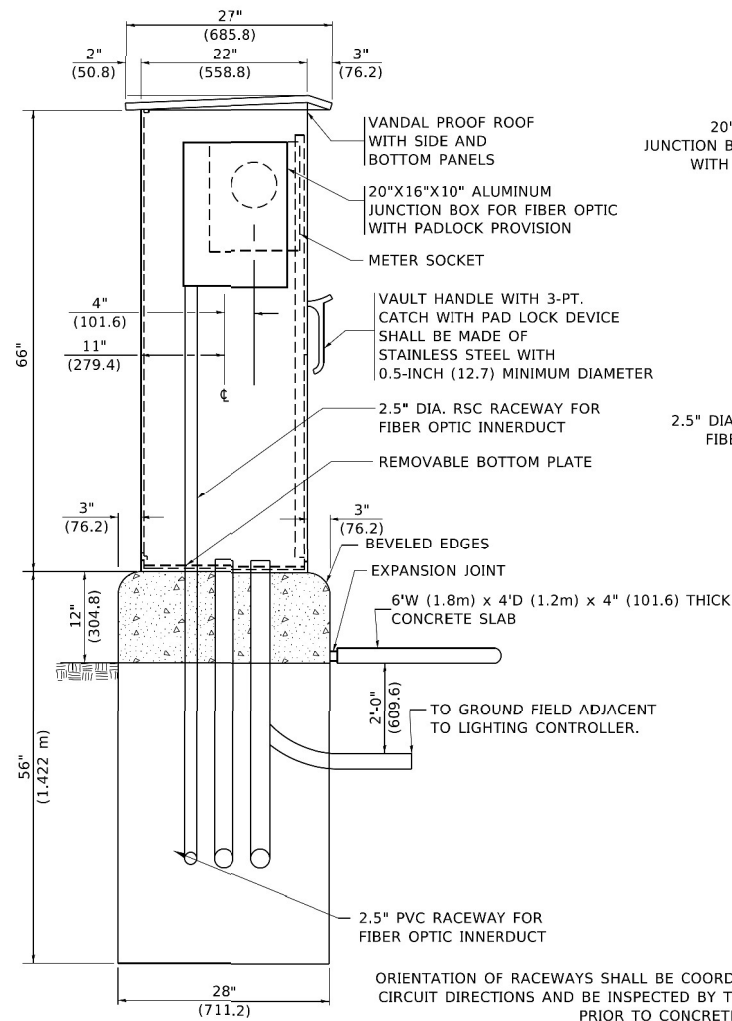
DETAIL "X"



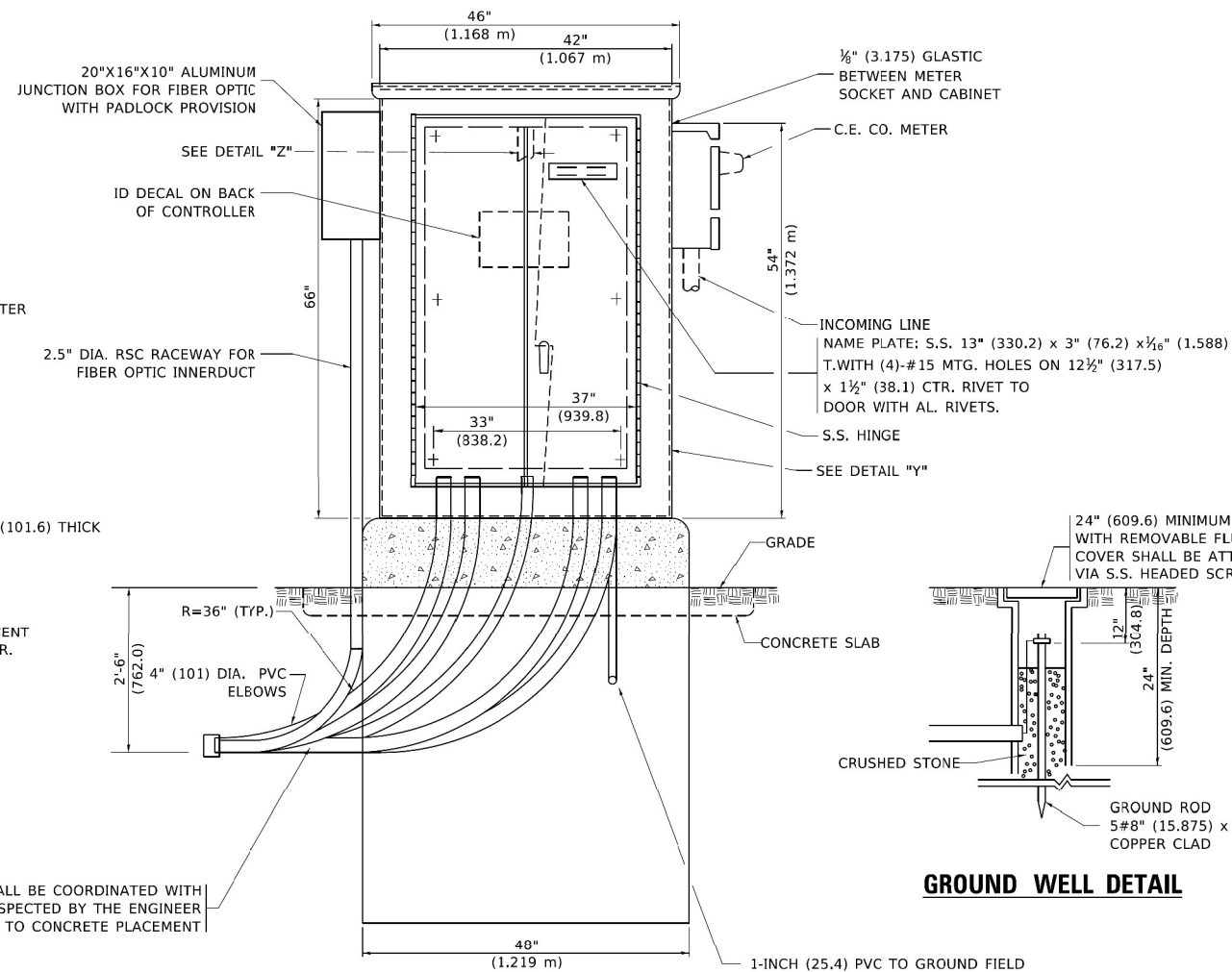
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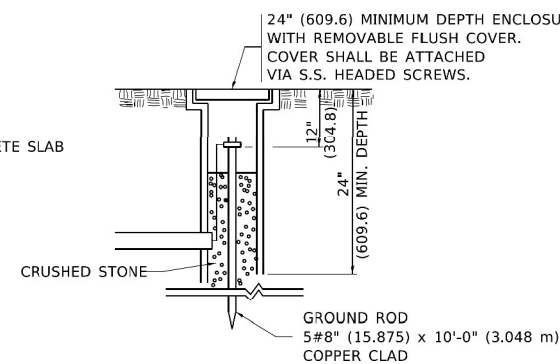
DETAIL "Z"



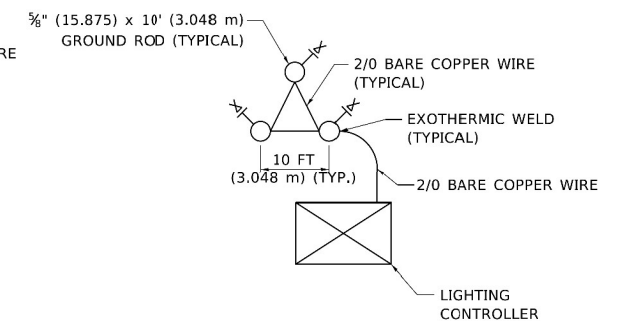
LEFT SIDE ELEVATION



FRONT ELEVATION



GROUND WELL DETAIL



GROUND FIELD DETAIL (N.T.S.)

THE CONTRACTOR SHALL VERIFY EXACT LOCATION WITH THE ENGINEER

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USER NAME = leysa	DESIGNED - B. TOMSONS	REVISED -
DRAWN -	CHECKED -	REVISED -
PLOT SCALE = 50.0000" / in.	DATE - 01-15-2020	REVISED -
PLOT DATE = 3/15/2020		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION			
SCALE: NONE	SHEET 3	OF 4 SHEETS	STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-206			
ILLINOIS FED. AID PROJECT			CONTRACT NO. _____	

SD-03

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USER NAME = vnunez	DESIGNED - VN/MAG	REVISED -
DRAWN - MAG	CHECKED - MG	REVISED -
PLOT SCALE = 1,0000" / in.	DATE - 6/30/2023	REVISED -
PLOT DATE = 6/26/2023		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

SCALE: SHEET OF SHEETS STA.

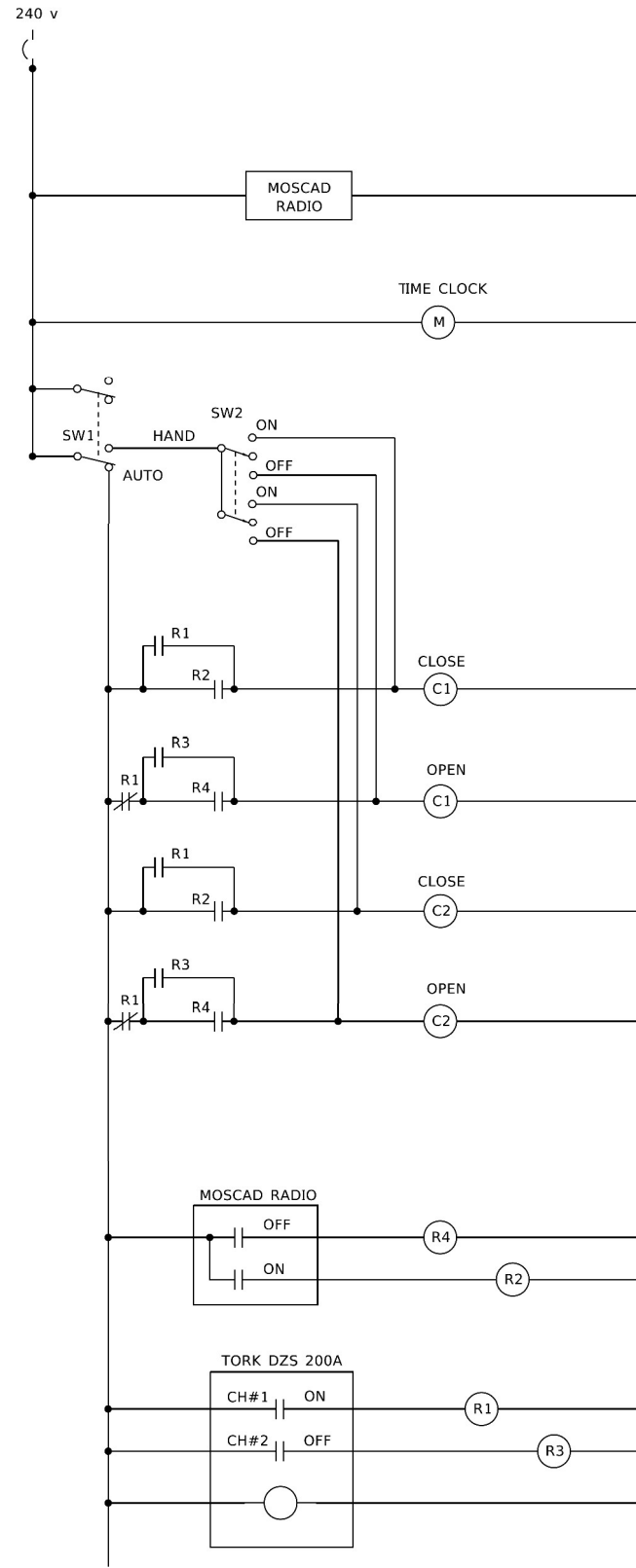
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	64
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U48	

NOTES

- CABINET SHALL BE FABRICATED FROM 0.125-INCH (3.175) SHEET ALUMINUM #3003H14, FORMED AND ARC WELDED.
- ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL, UNLESS OTHERWISE NOTED.
- NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH (19.05) HIGH LETTERS FILLED IN BLACK: "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
- ONE INCH THICK POLYISOCYANURATE INSULATION SHALL BE INSTALL AND PERMANENTLY CEMENTED ON ALL SIDES OF THE CABINET AND DOORS.
- CABINET SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
- THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508.
- METAL MOUNTING PANEL SHALL BE FABRICATED FROM THE SAME MATERIAL AS THE CABINET AND SHALL BE F-ANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
- CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH (3.175) THICK GLASTIC INSULATION BACK PANEL.
- ALL DEVICES SHALL BE FRONT REMOVABLE.
- TIME CLOCK CHANNEL 1 N.O. CONTACT IS CLOSED NIGHT AND OPEN DAY (LIGHTS ON).
- SET LATITUDE TO 42 DEGREES. SET CH.1 TO 23 MINUTES AFTER ASTRONOMICAL SUNSET, 50 MINUTES BEFORE ASTRONOMICAL SUNRISE. SET CH.2 TO 60 MINUTES AFTER ASTRONOMICAL SUNSET (WITH A SIGNAL LENGTH OF 1 SECOND), +28 MINUTES AFTER ASTRONOMICAL SUNRISE (WITH A SIGNAL LENGTH OF 7 SECONDS.)
- BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. 240V NEUTRAL BUS SHALL BE PAINTED WHITE, GROUND BUS SHALL BE PAINTED GREEN, AND THE 120V NEUTRAL BUS SHALL BE PAINTED GREY.
- ALL LUGS SHALL BE OF COPPER SCREWS AND CONNECTORS, SPRING HELD.
- ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
- ALL CONTROL WIRING SHALL BE 600V #12 TYPE MTW, SCADA WIRING SHALL BE #18.
- ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:

R = RED Y = YELLOW
 B = BLACK W = WHITE
 BL = BLUE G = GREEN
 G = GREY

- MOSCAD I/O WIRING SHALL BE:
 DIGITAL INPUT (DI) WIRING SHALL BE #18 MTW PURPLE.
 ANALOG INPUT (AI) WIRING SHALL BE #18, 2/C SHIELDED.
 AI AND DI WIRING MAY BE BUNDLED TOGETHER, BUT SHALL NOT BE BUNDLED WITH OTHER WIRING.
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
- SCHEMATIC SHOWN WITH BREAKER OPEN, CONTACTOR OPEN, CABINET DOOR CLOSED, CLOCK NOT ACTIVE (DE-ENERGIZED STATE).
- A LAMINATED COPY OF THE CIRCUIT SCHEMATIC AND SCADA I/O DIAGRAM (NO SMALLER THAN 11"x17" EACH) SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER WITH STAINLESS STEEL SCREWS.



CONTROL CIRCUIT LADDER LOGIC DIAGRAM

MOSCAD I/O ASSIGNMENTS		
TERM	MOSCAD DESTINATION	DESCRIPTION OF INPUT
1	DIGITAL INPUT 1	ALARM KNOWLEDGE
2	DIGITAL INPUT 2	DOOR OPEN
3	DIGITAL INPUT 3	MAIN(S) BREAKER OPEN
4	DIGITAL INPUT 4	CONTACTOR 1 OPEN
5	DIGITAL INPUT 5	CONTACTOR 2 OPEN
6	DIGITAL INPUT 6	CABINET IN NON-AUTO
7	DIGITAL INPUT 7	BACK-UP CLOCK OFF CALL
8	DIGITAL INPUT 8	BACK-UP CLOCK ON CALL
17	24 V+	24+VDC
18	DI COMMON	COMMON
21	K1 C	K1 COMMON
22	K1 NO	LIGHTS ON CALL
24	K2 C	K2 COMMON
25	K2 NO	LIGHTS OFF CALL
32	ANALOG INPUT 1 (+)	CABINET NEUTRAL CURRENT
33	ANALOG INPUT 1 (-)	CABINET NEUTRAL CURRENT
34	ANALOG INPUT 2 (+)	CABINET SERVICE VOLTAGE
35	ANALOG INPUT 2 (-)	CABINET SERVICE VOLTAGE
40	P. GROUND	GROUND

ALL ANALOG INPUTS WILL BE 4-20 MA ONLY. DIGITAL OUTPUT RELAYS WILL BE ELECTRICALLY ENERGIZED AND MOMENTARILY HELD
 MIXED I/O MODULE MODEL NUMBER V436

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PLOT DATE = 1/15/2020	DATE - 01-15-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING CONTROLLER, BASE MOUNTED,
480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION**

SCALE: NONE SHEET 4 OF 4 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	65
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U48	

SD-04

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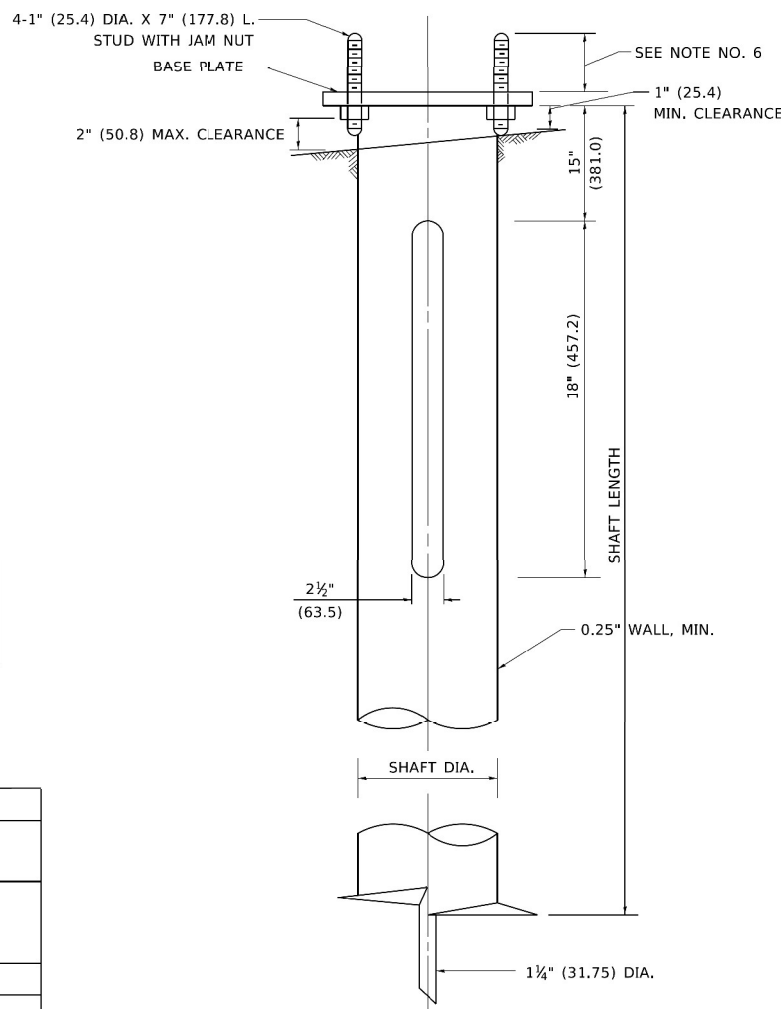
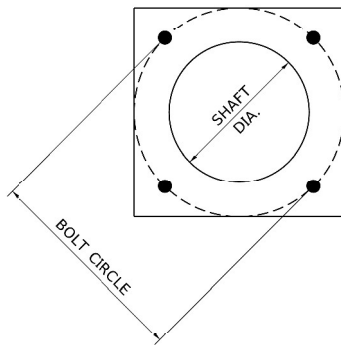
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PLOT SCALE = 1,0000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 6/26/2023	DATE - 6/30/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

SCALE: SHEET OF SHEETS STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	65
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U48	



NOTES

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. 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.
4. 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.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. 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.
10. 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.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

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)

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PLOT SCALE = 50,0000' / in.	DRAWN - DLB	REVISED -			BE-305	CONTRACT NO.			
PLOT DATE = 4/19/2019	CHECKED -	REVISED -			ILLINOIS	FED. AID PROJECT			
DATE - 02-27-07	REVISED -	REVISED -			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.		

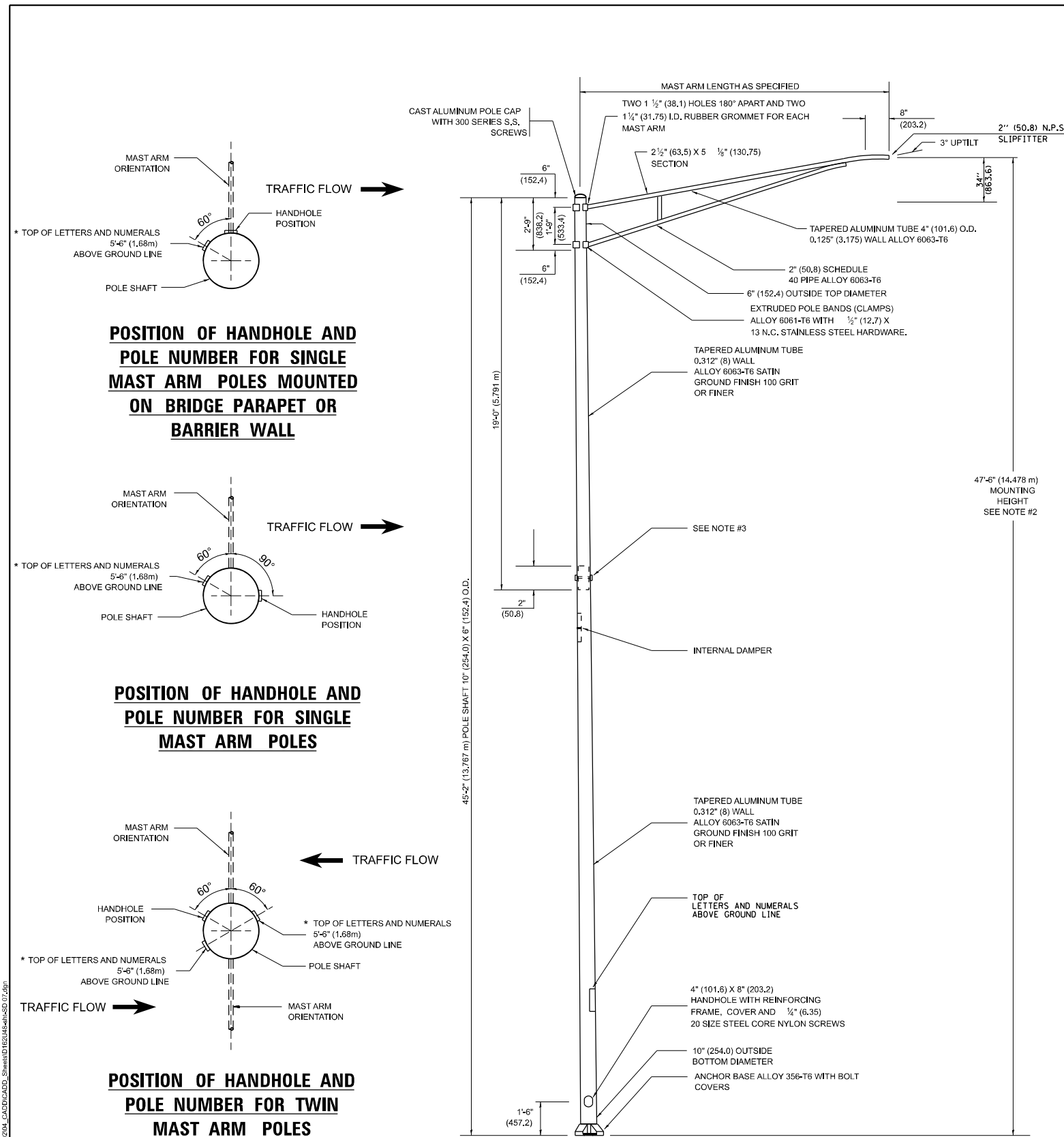
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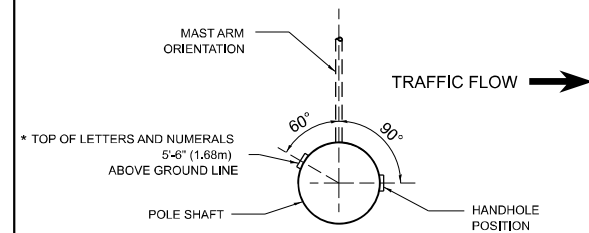


USER NAME = vnunez	DESIGNED - VN/MAG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1,0000' / in.	DRAWN - MAG	REVISED -			57	2022 TRAFFIC LT	COOK	77	67
PLOT DATE = 6/26/2023	CHECKED - MG	REVISED -			CONTRACT NO. 62U48				
DATE - 6/30/2023	REVISED -	REVISED -			ILLINOIS	FED. AID PROJECT			

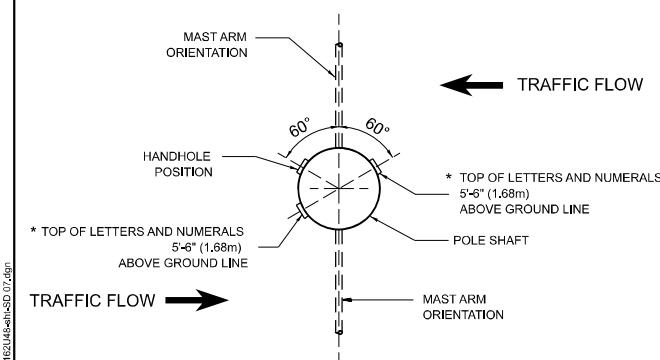
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT
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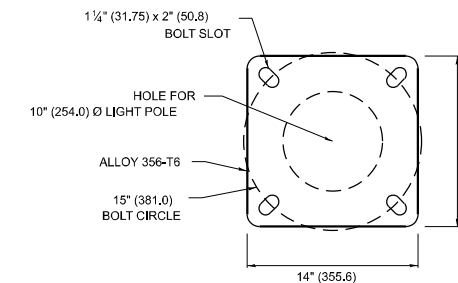
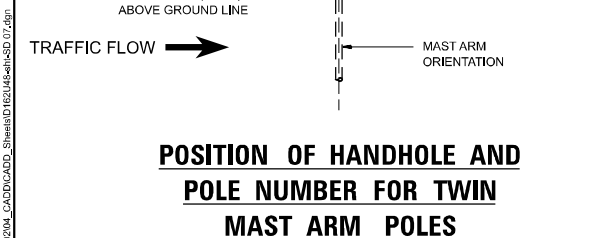
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

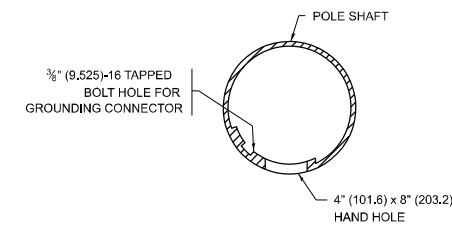


POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



LIGHT POLE BASE PLATE DETAIL

15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL (N.T.S.)

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

USER NAME = vnunez	DESIGNED -	REVISED - R. TOMSONS 09-03-03
PLOT SCALE = 2,0000' / in.	DRAWN -	REVISED - R. TOMSONS 01-18-13
PLOT DATE = 6/27/2023	CHECKED -	REVISED - R. TOMSONS 03-18-15
	DATE -	REVISED - 06/13/2022 TG

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALUMINUM LIGHT POLE	
47'-6" (14.478 m) MOUNTING HEIGHT	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE-400			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

SD-07

USER NAME = vnunez	DESIGNED - VN/MAG	REVISED -
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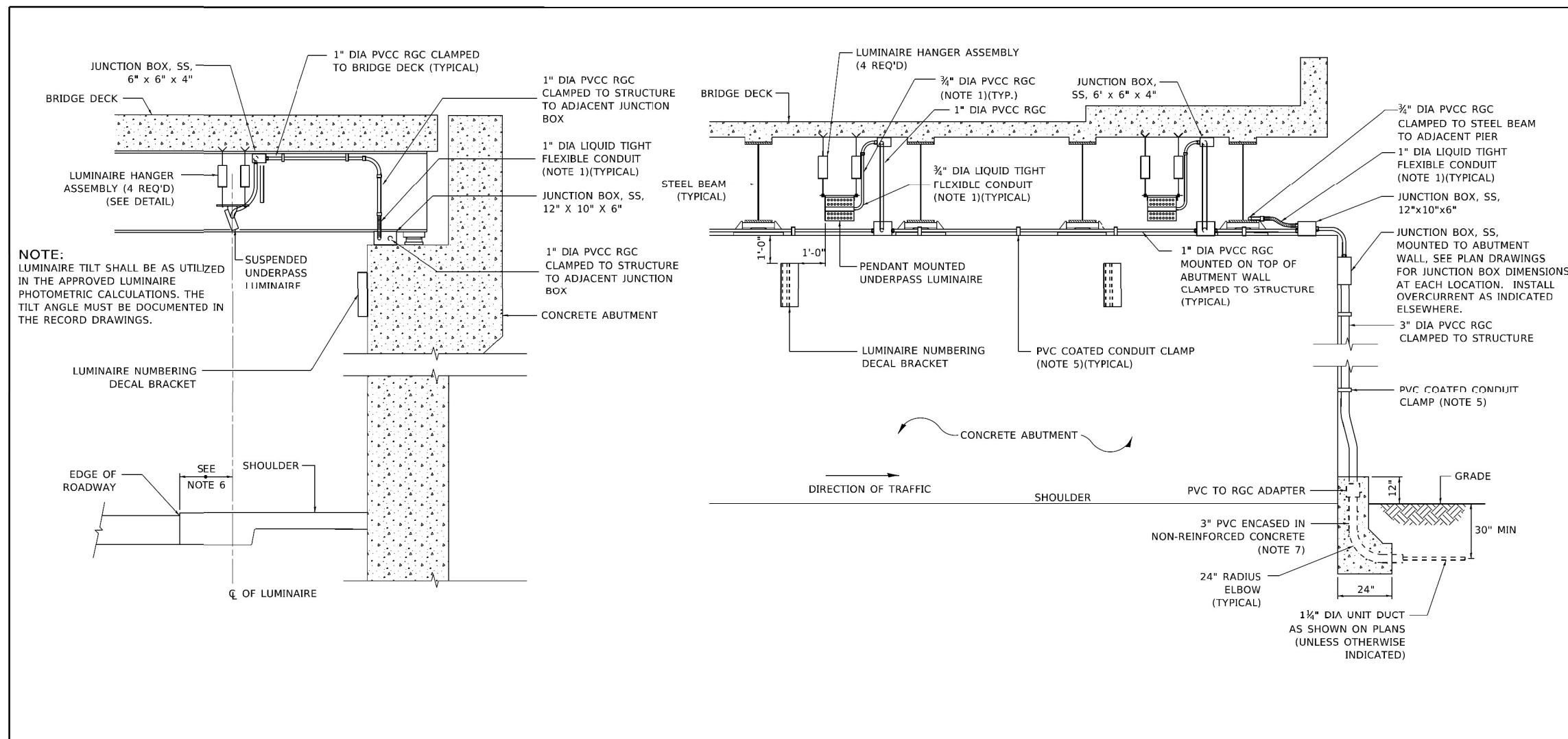
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	68
			CONTRACT NO. 62U48	
ILLINOIS FED. AID PROJECT				

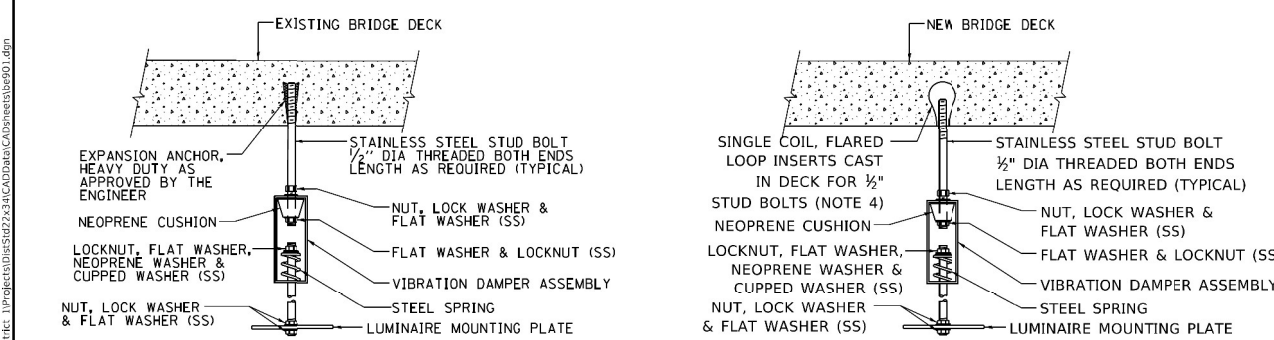
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CONSULTING ENGINEERS



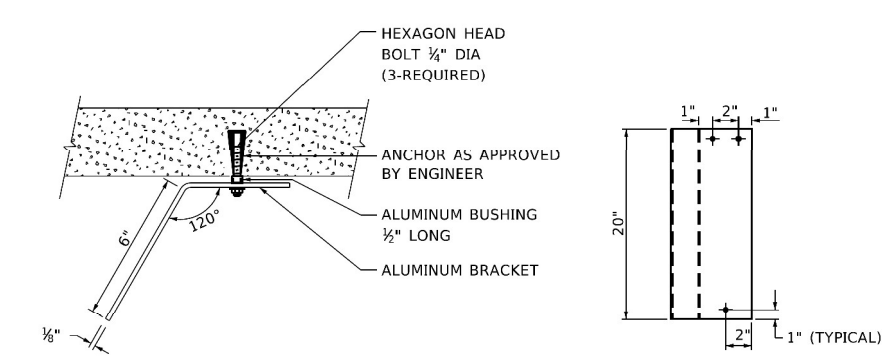
NOTE:
LUMINAIRE TILT SHALL BE AS UTILIZED IN THE APPROVED LUMINAIRE PHOTOMETRIC CALCULATIONS. THE TILT ANGLE MUST BE DOCUMENTED IN THE RECORD DRAWINGS.

- NOTES:**
- 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.
 - SEE UNDERPASS LIGHTING PLANS FOR INSTALLATION LOCATION OF UNDERPASS LIGHTING LUMINAIRES.
 - 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.
 - 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.
 - 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.
 - 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
 - THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.
 - ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.
 - 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).

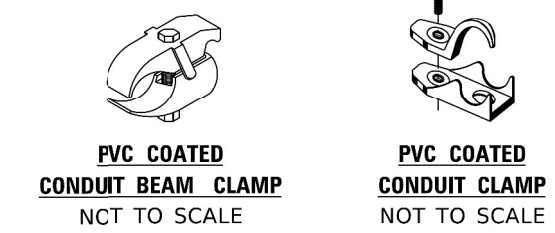


EXISTING BRIDGE DECK INSTALLATION **NEW BRIDGE DECK INSTALLATION**

TYPICAL LUMINAIRE HANGER ASSEMBLY DETAILS



LUMINAIRE NUMBERING DECAL BRACKET



PVC COATED CONDUIT BEAM CLAMP NOT TO SCALE
PVC COATED CONDUIT CLAMP NOT TO SCALE

USER NAME = gaglianob	DESIGNED -	REVISED - 12-12-05
	DRAWN -	REVISED -
PLOT SCALE = 1/100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/15/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE-901			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

USER NAME = vnunez	DESIGNED - VN/MAG	REVISED -
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PLOT SCALE = 1/1,000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 6/26/2023	DATE - 6/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS
SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	71
CONTRACT NO. 62U48				
ILLINOIS FED. AID PROJECT				

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SD-11



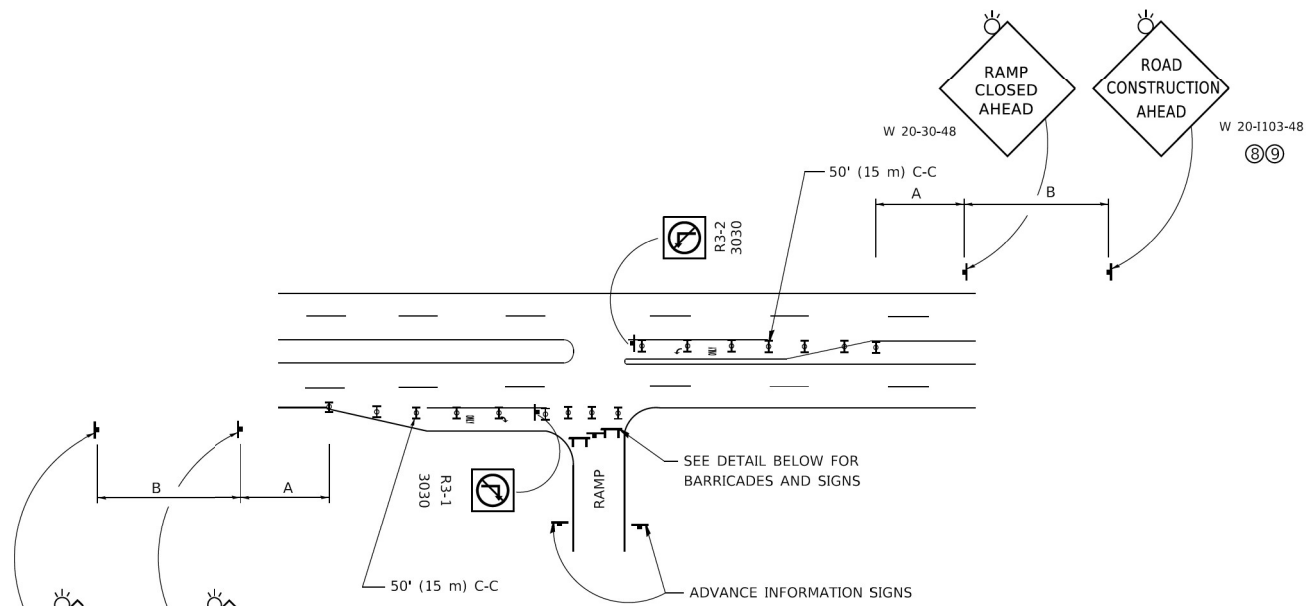
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PLOT DATE	■ 6/27/2023	DATE -	6/30/2023	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

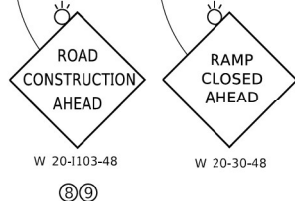
IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

SCALE: SHEET OF SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2022 TRAFFIC LT	COOK	77	72
CONTRACT NO. 62U48				
			ILLINOIS FED. AID PROJECT	



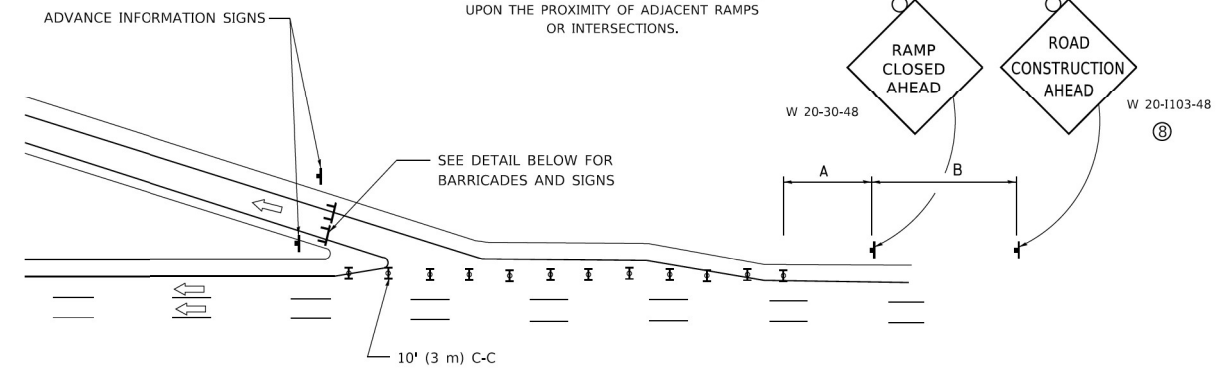
ENTRANCE RAMP CLOSURE



SIGN SPACING TABLE

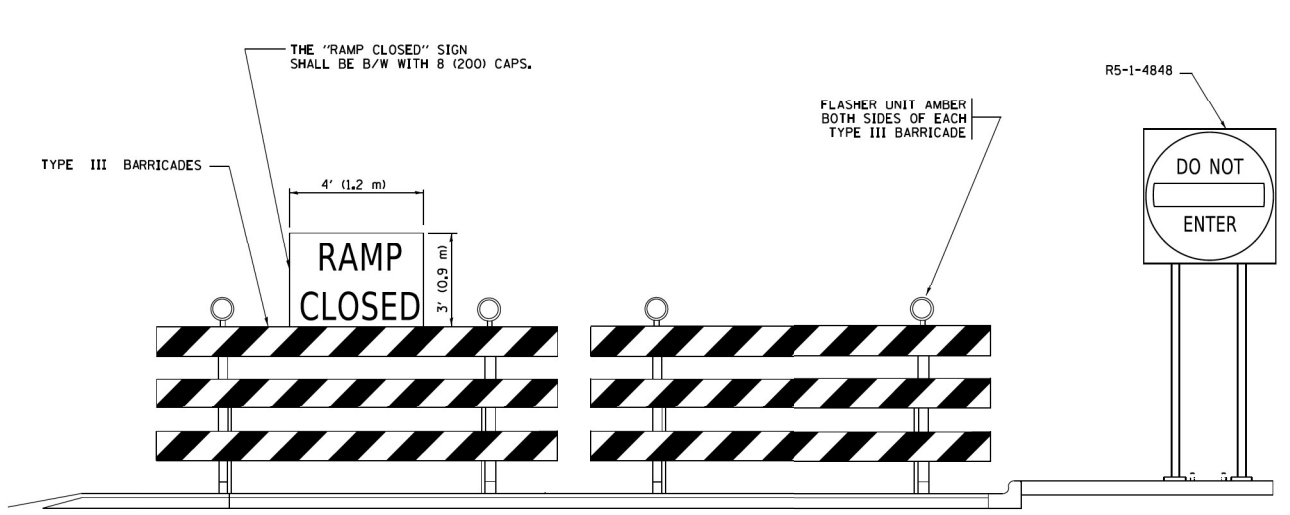
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



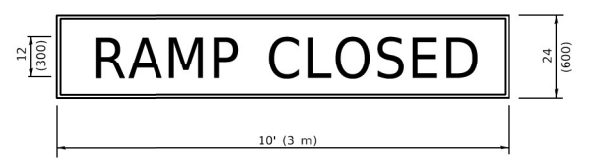
EXIT RAMP CLOSURE

- SYMBOLS**
- ▬ TYPE II BARRICADE OR DRUM
 - ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



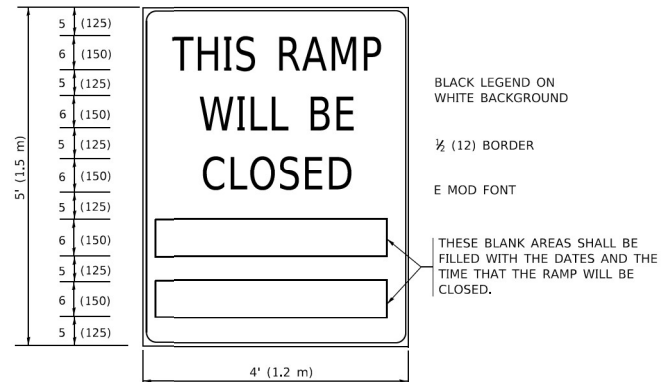
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND
1/2 (12) BORDER
E MOD FONT
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS; ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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DRAWN -	REVISOR - S.P.B._12-09	
PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED - M.D._06-13
PLOT DATE = 3/4/2019	DATE - 02-83	REVISED - M.D._01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-08			
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

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USER NAME = Roadway	DESIGNED - TBH	REVISED -
DRAWN - VZ	CHECKED - EPS	REVISED -
PLOT SCALE = 2.000" / in.	DATE - 3/20/2023	REVISED -
PLOT DATE = 6/21/2023		

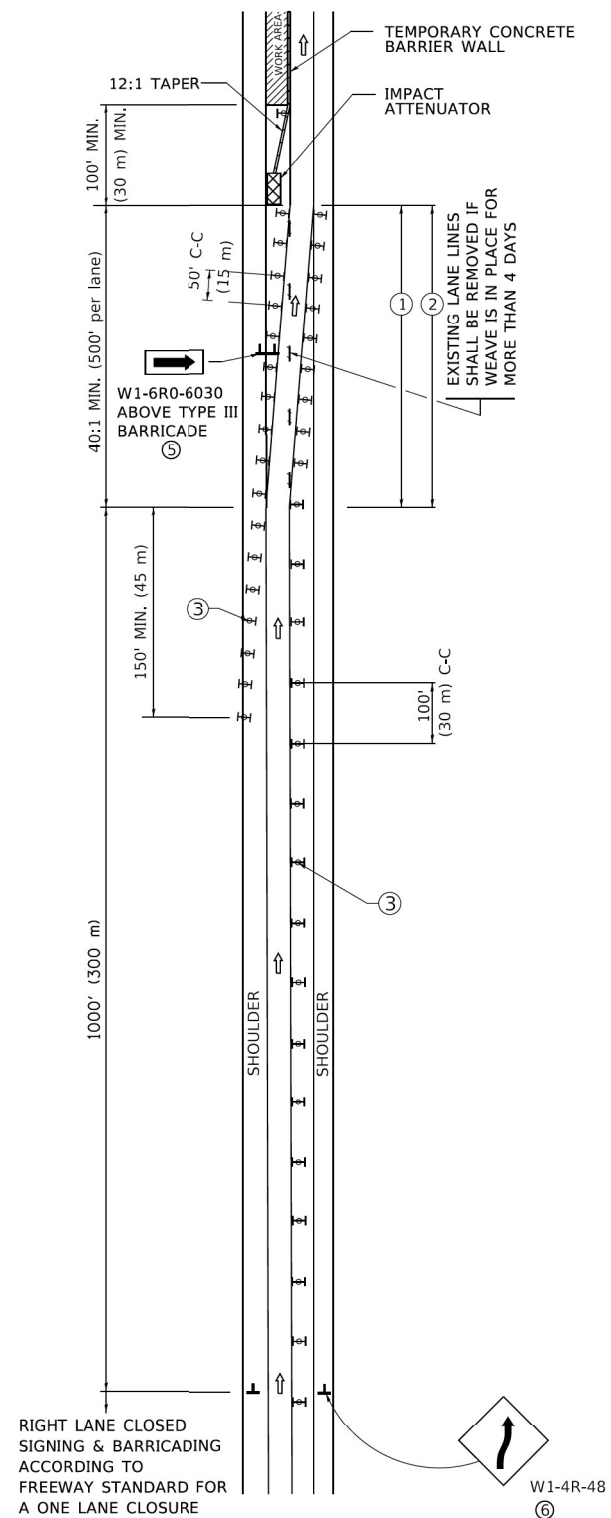
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - DISTRICT 1 STANDARDS
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

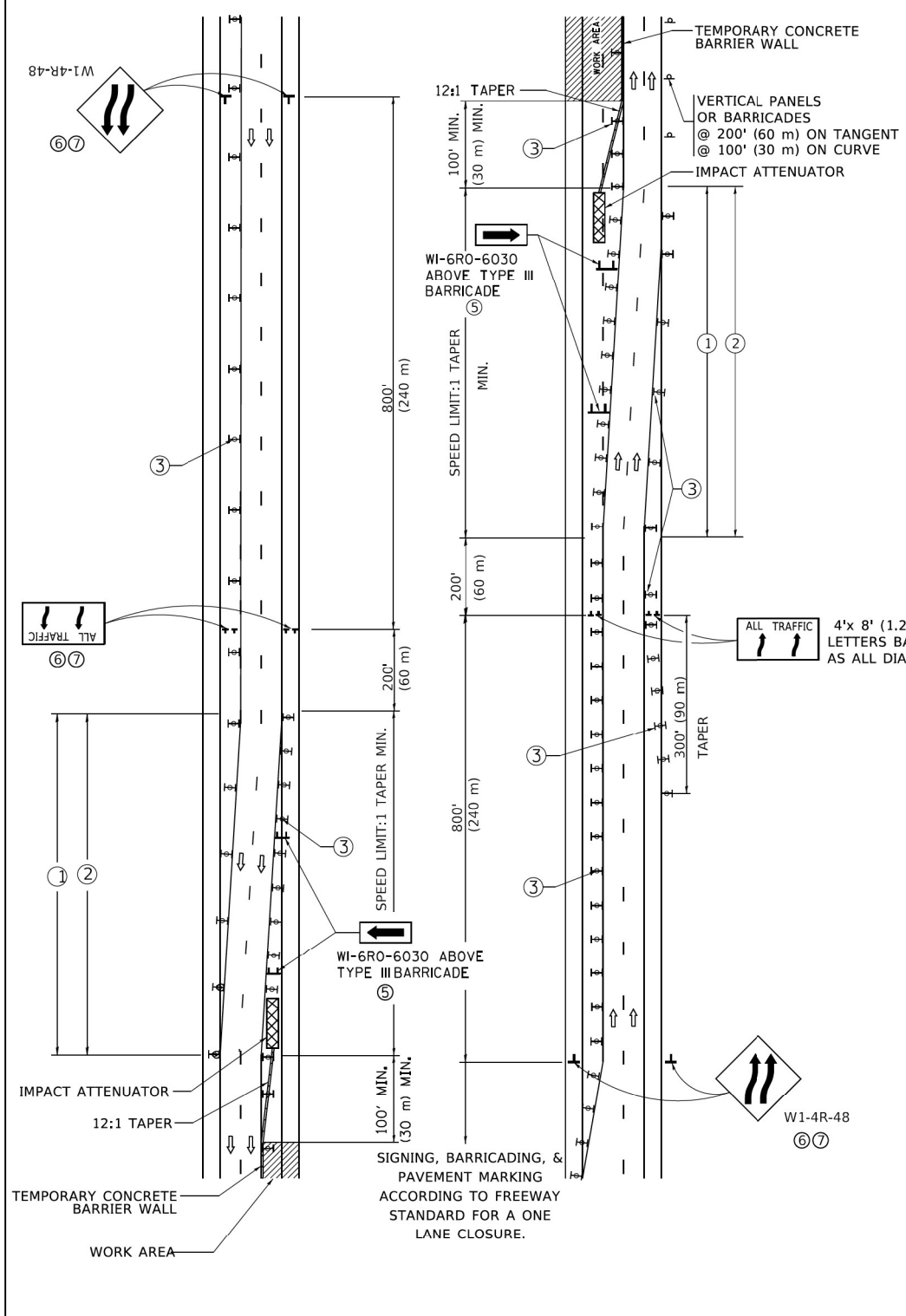
SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	16-00195-00-ES	COOK	77	73
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U48	

SINGLE LANE WEAVE



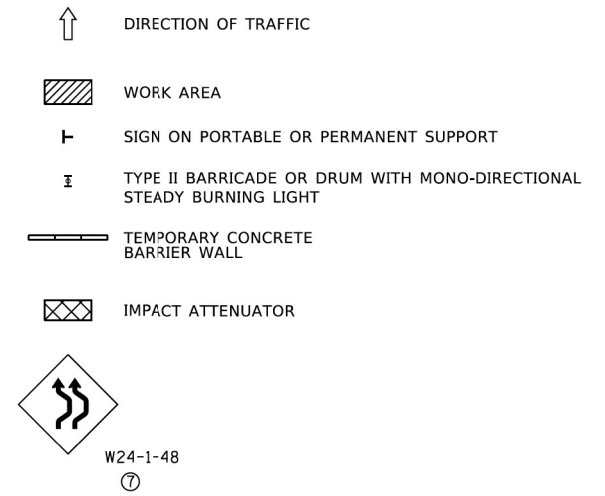
MULTI-LANE WEAVE



GENERAL NOTES:

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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DRAWN -	REVISOR - S.P.B. 01-07	
PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED - S.P.B. 12-09
PLOT DATE = 3/4/2019	DATE - 02-87	REVISED - M.D. 06-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR
FREEWAY SINGLE & MULTI-LANE WEAVE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-09			
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

MODEL: MODEL NAMES
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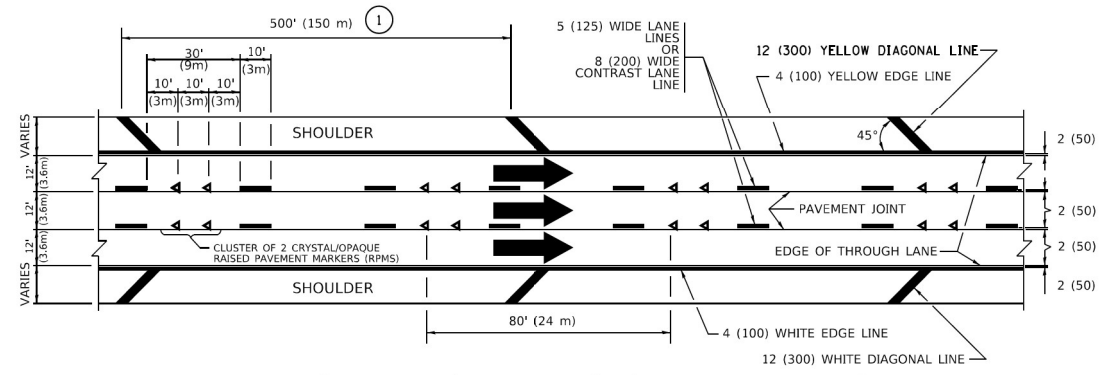
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DRAWN - VZ	REVISOR -	
PLOT SCALE = 2,000" / in.	CHECKED - EPS	REVISED -
PLOT DATE = 6/21/2023	DATE - 3/20/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - DISTRICT 1 STANDARDS
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

SCALE: N.T.S. SHEET 2 OF 5 SHEETS STA. TO STA.

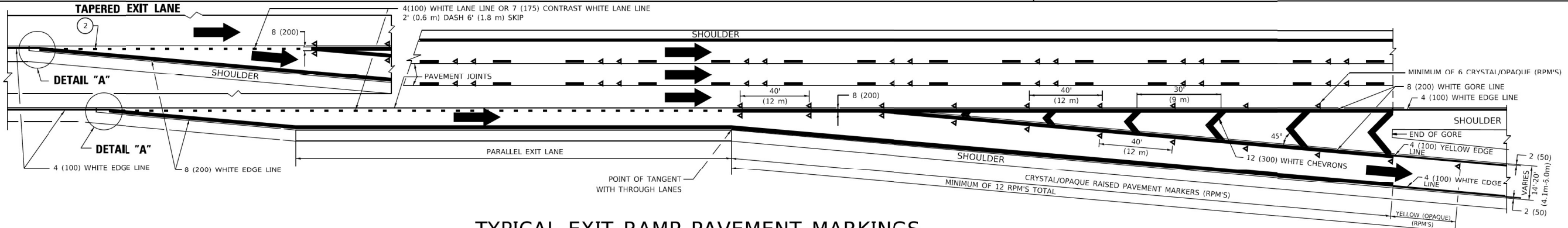
F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	16-00195-00-ES	COOK	77	74
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U48	



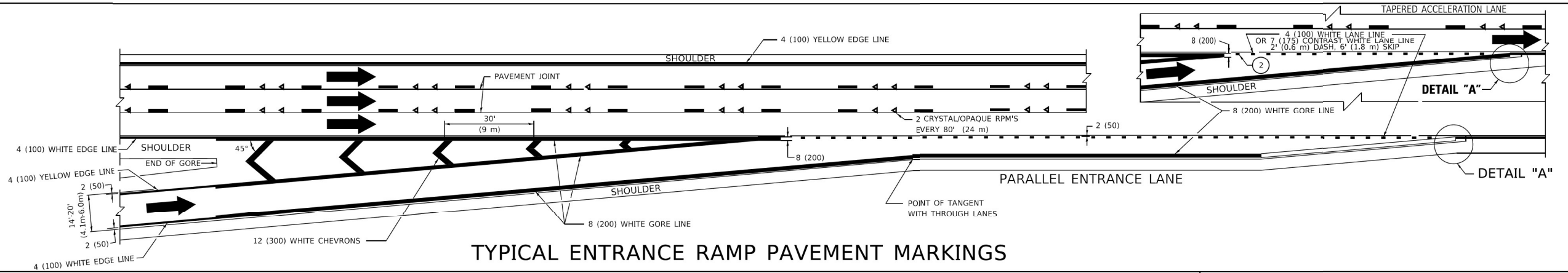
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

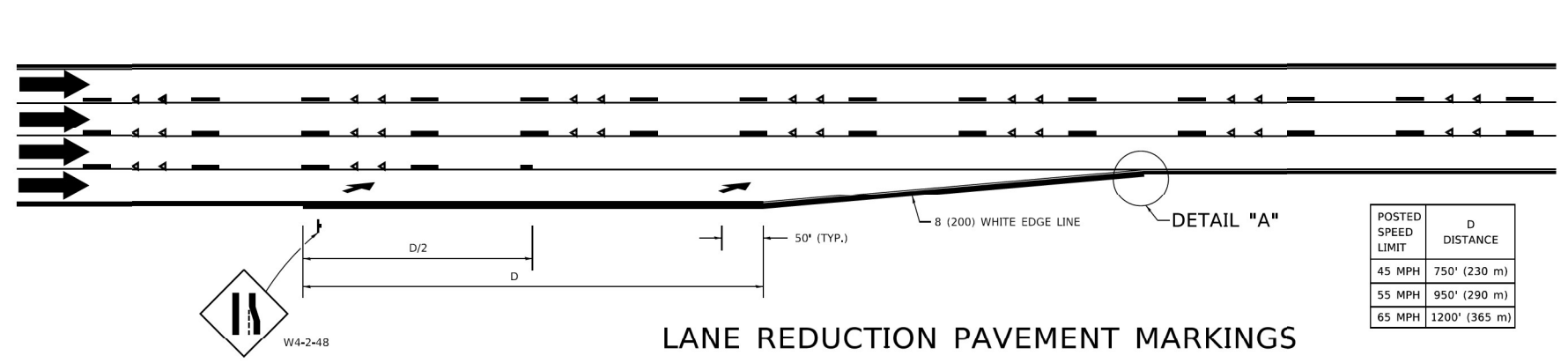
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



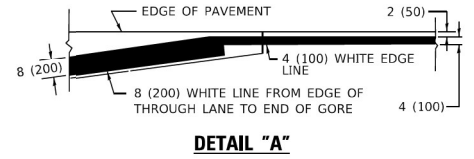
TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS



- NOTES:
- 1 THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - 2 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)

USER NAME = Lawrence,DeManche	DESIGNED - D.W.S.	REVISED - S.P.B. 01-10
DRAWN -	CHECKED -	REVISED - M.D. 05-13
PLOT SCALE = 100.0000' / in.	DATE - 01-90	REVISED - M.D. 09-17
PLOT DATE = 11/18/2022		REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-12			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

USER NAME = Roadway	DESIGNED - TBH	REVISED -
DRAWN - VZ	CHECKED - EPS	REVISED -
PLOT SCALE = 2,000' / in.	DATE - 3/20/2023	REVISED -
PLOT DATE = 6/21/2023		

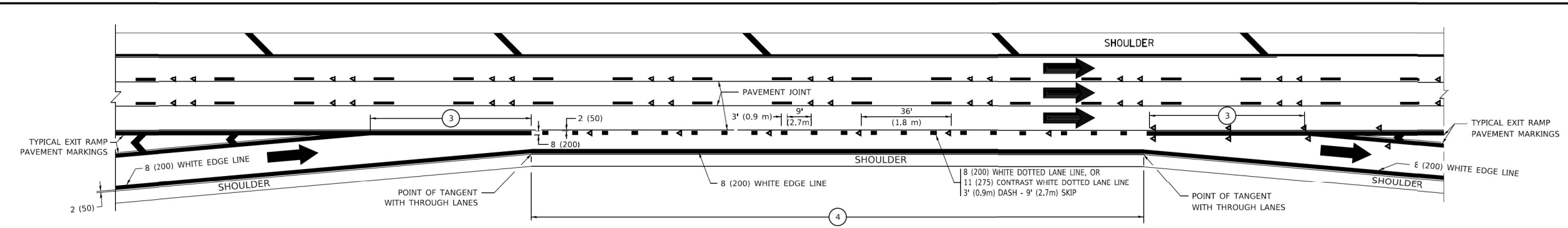
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - DISTRICT 1 STANDARDS
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET

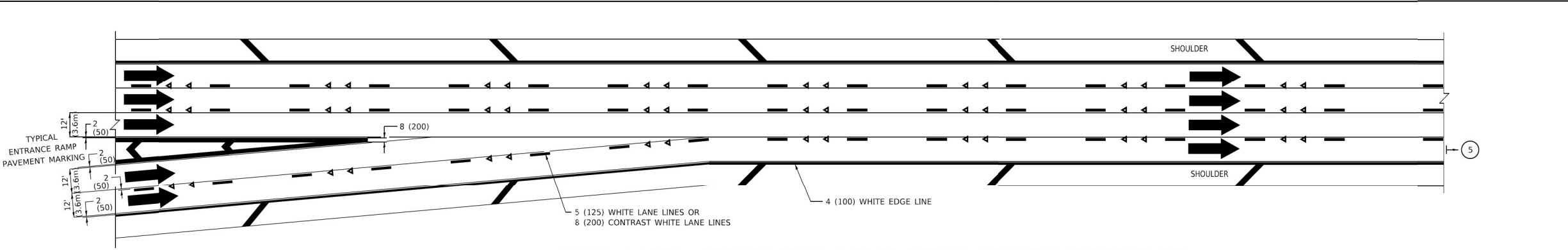
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57	16-00195-00-ES	COOK	77	75
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

MODEL NAME: I-57_High_Mast_Lighting_Improvements_US_30_to_183rd_Street_District_1_Standards
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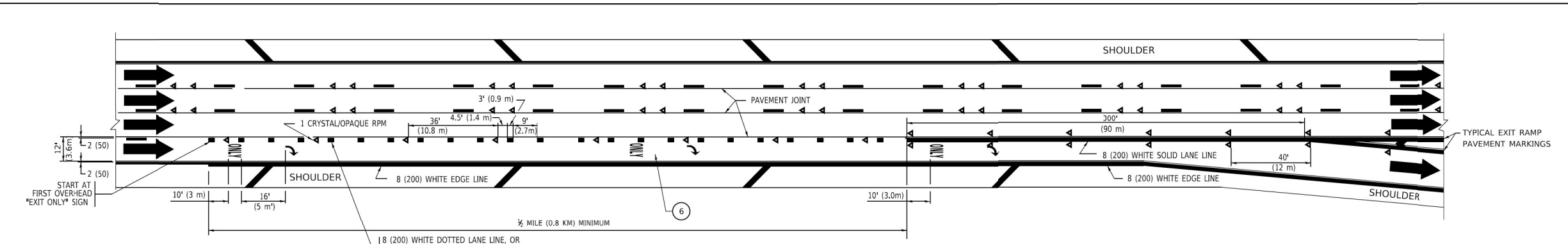
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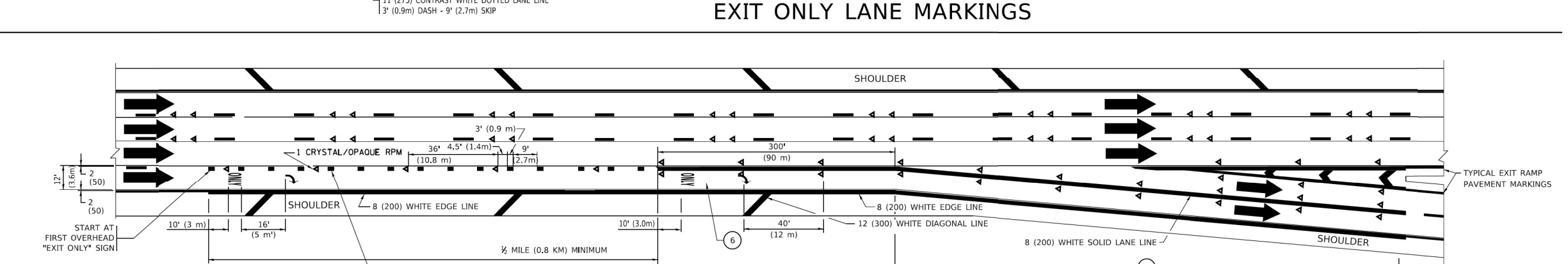
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED..
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

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USER NAME = footemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
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PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED - S.P.B. 01-10
PLOT DATE = 3/4/2019	DATE - 01-90	REVISED - M.D. 09-17

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-12			
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

SD-15

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USER NAME = Roadway	DESIGNED - TBH	REVISED -
	DRAWN - VZ	REVISED -
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PLOT DATE = 6/21/2023	DATE - 3/20/2023	REVISED -

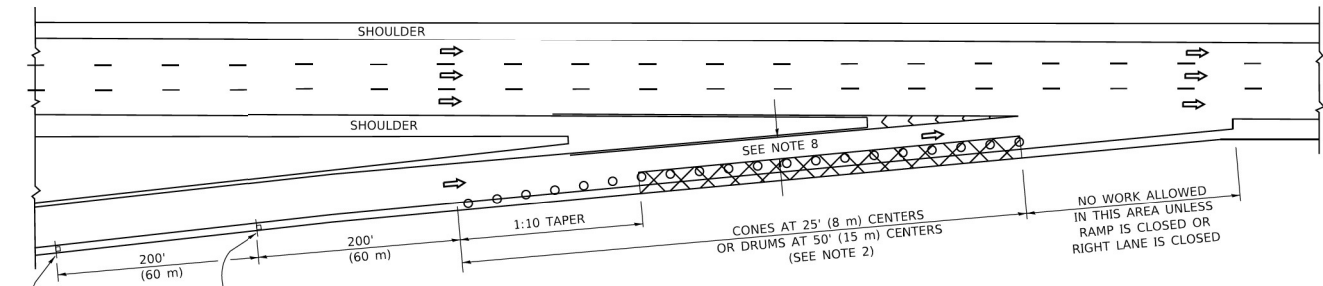
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - DISTRICT 1 STANDARDS
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

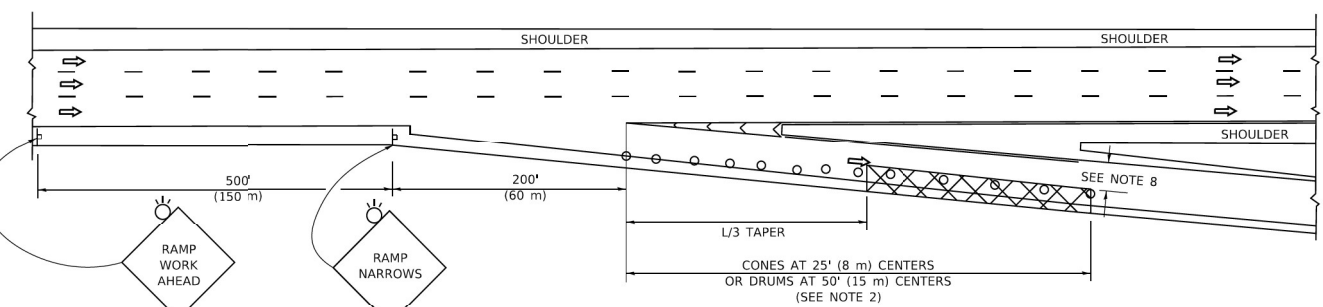
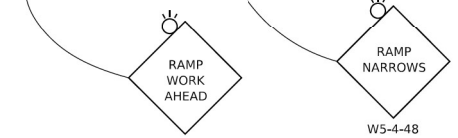
SCALE: N.T.S. SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	16-00195-00-ES	COOK	77	76
		CONTRACT NO. 62U48		
		ILLINOIS FED. AID PROJECT		

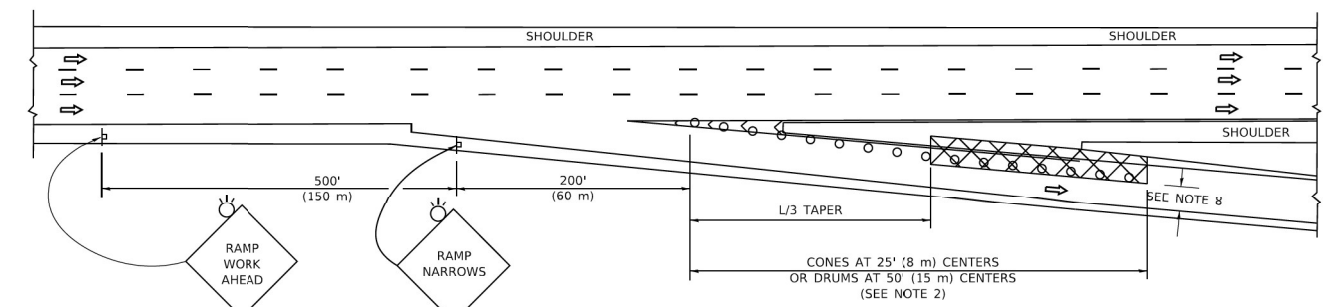
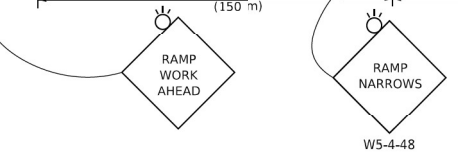
PARTIAL RAMP CLOSURE DETAILS



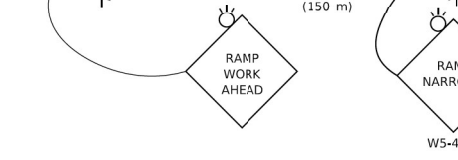
TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP



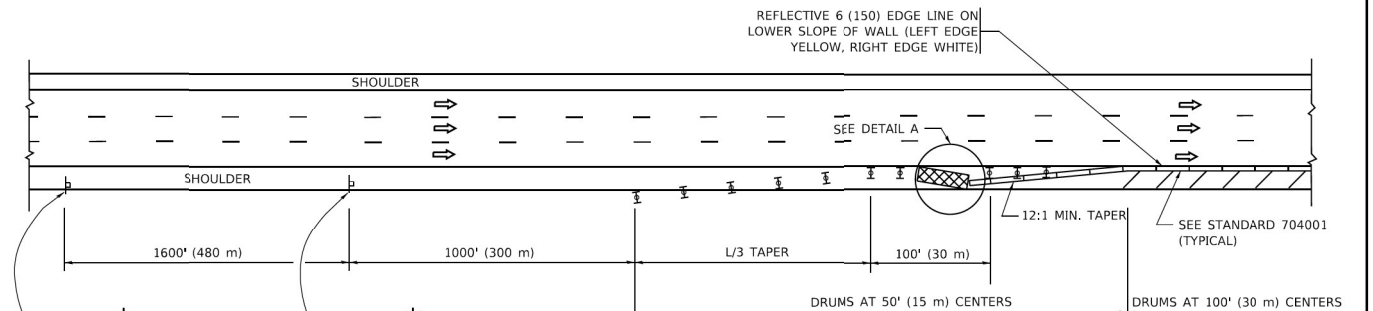
SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

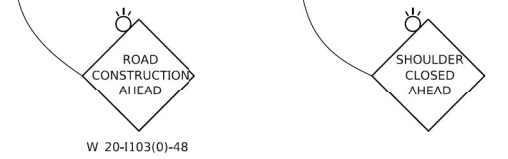
GENERAL NOTES:

1. THE "L" DISTANCE EQUALS:
SPEED LIMIT FORMULAS
45 mph (80 km/h) METRIC ENGLISH
OR GREATER: $L=0.65(W/S)$ $L=(W)S$
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

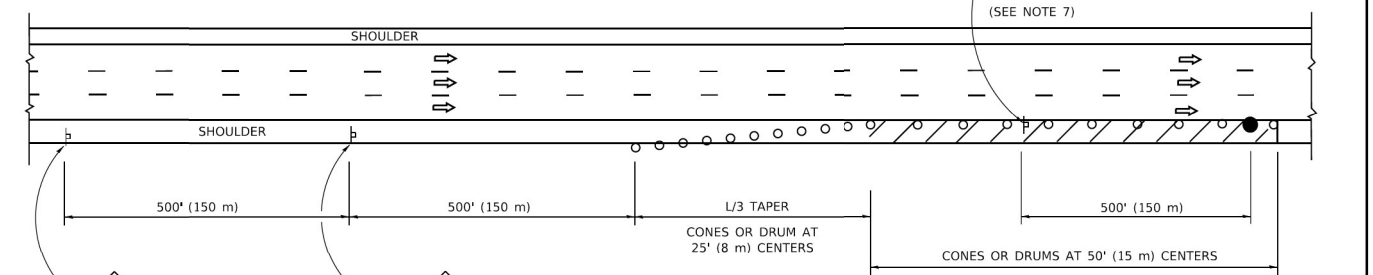
SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



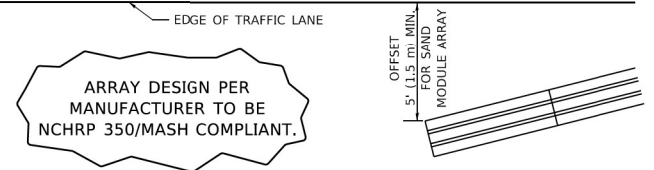
OR WHEN SPECIFIED INSTALL TEMPORARY CONCRETE BARRIER WALL WITH BARRIER WALL REFLECTORS PER TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)



DAYTIME SHOULDER CLOSURE



THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRUSH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCRUSHMENT INTO THE LANE OPEN TO TRAFFIC. THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT SCALE = 50,0000' / in.	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
PLOT DATE = 3/4/2019	CHECKED -	REVISED - M.D. 06-13
	DATE - 11-96	REVISED - M.D. 01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-17			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

SD-16

MODEL: R0001... FILE NAME: ... PROJECT: ...

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USER NAME = Roadway	DESIGNED - TBH	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - VZ	REVISED -
PLOT DATE = 6/21/2023	CHECKED - EPS	REVISED -
	DATE - 3/20/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - DISTRICT 1 STANDARDS
I-57 HIGH MAST LIGHTING IMPROVEMENTS US 30 TO 183RD STREET**

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	16-00195-00-ES	COOK	77	77
			CONTRACT NO. 62U48	
ILLINOIS FED. AID PROJECT				