

DESIGN DESIGNATION

09-20-2024 LETTING ITEM 011

I-94 - ACCESS CONTROLLED INTERSTATE
US 41 - DIVIDED HIGHWAY

TRAFFIC VOLUME

I-94 - 164,000 (AADT)
US 41 - 64,000 (AADT)

POSTED SPEED LIMIT

I-94 - 55 MPH
US 41 - 45 & 55 MPH

IMPROVEMENTS LOCATED IN CITIES OF CHICAGO AND
HIGHLAND PARK, & VILLAGES OF LINCOLNWOOD, SKOKIE,
MORTON GROVE, WILMETTE, NORTHFIELD, NORTHBROOK

FOR INDEX OF SHEETS AND LIST OF
HIGHWAY STANDARDS, SEE SHEET NO. 2

JACOBS ENGINEERING, INC.
CHAD R. HAMMERL, P.E.
IL. LIC. NO. 062-054929
EXPIRES 11-30-2025

SIGNATURE:

June 21, 2024

DATE:

DRAWINGS: 1-93, 109, 127, 151-168



J.A. WATTS, INC.
JIM LASKERO, P.E.
IL. LIC. NO. 062-058746
EXPIRES 11-30-2025

SIGNATURE:

June 20, 2024

DATE:

DRAWINGS: 94-108
(GUARDRAIL DESIGN BY JACOBS)



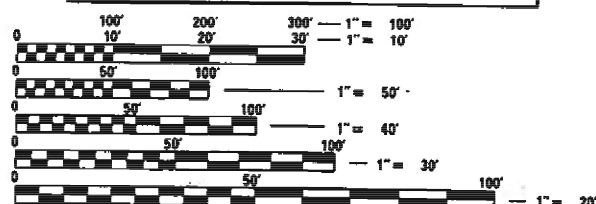
JACOBS ENGINEERING, INC.
JOSHUA J. ZVOLANER, P.E.
IL. LIC. NO. 062-063846
EXPIRES 11-30-2025

SIGNATURE:

June 21, 2024

DATE:

DRAWINGS: 169-202



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 EXCAVATION
1-800-892-0123
OR 811

FOR IDOT OWNED UNDERGROUND ASSET IDENTIFICATION CONTACT
IDOT DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR (EMC)
MEADE ELECTRIC - TED TROYNER
1-708-588-2544

811 CHICAGO (DIGGER)
1-312-744-7000

IDOT TRAFFIC SYSTEMS CENTER
1-708-524-2145

DISTRICT 1 NO. (847)705-4442
PROJECT MANAGER: TONY GODINHO
CONTRACT NO. 62V17

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

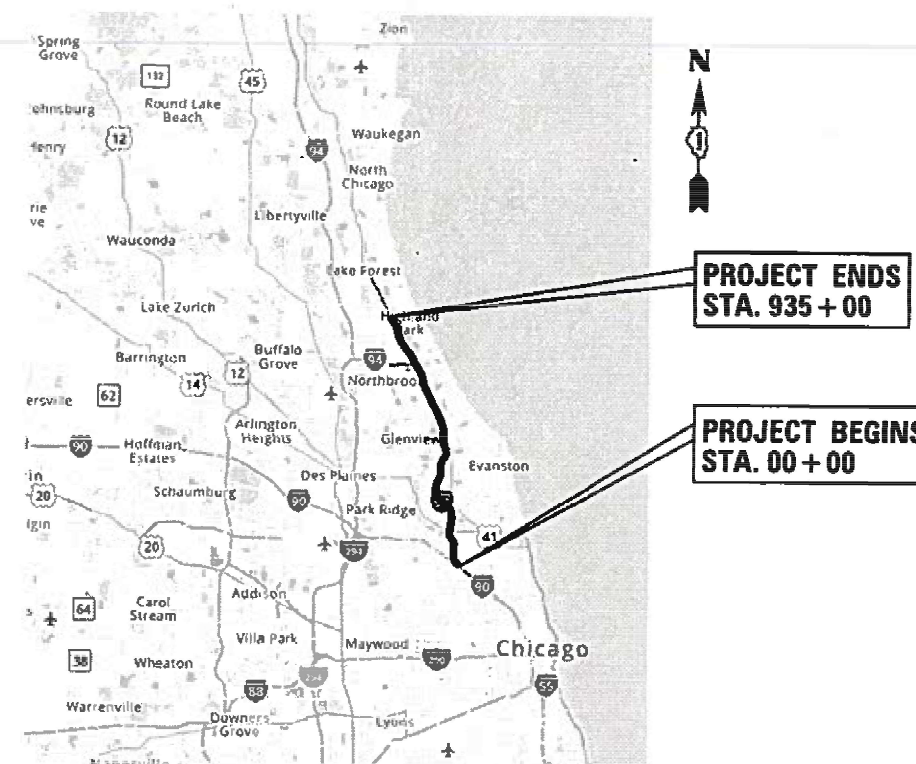
FAI ROUTE 94 (I-94) / FAP ROUTE 346 (US 41)
PARK AVE TO I-90/94
(KENNEDY/EDENS JUNCTION)

SECTION FAP 0346 23 SIGN

PROJECT HSIP BZFO (469)

I-94 /US 41 SURVEILLANCE AND RAMP METER
UPGRADES, WRONG WAY PREVENTION SIGN
STRUCTURE REPLACEMENT
COOK / LAKE COUNTIES

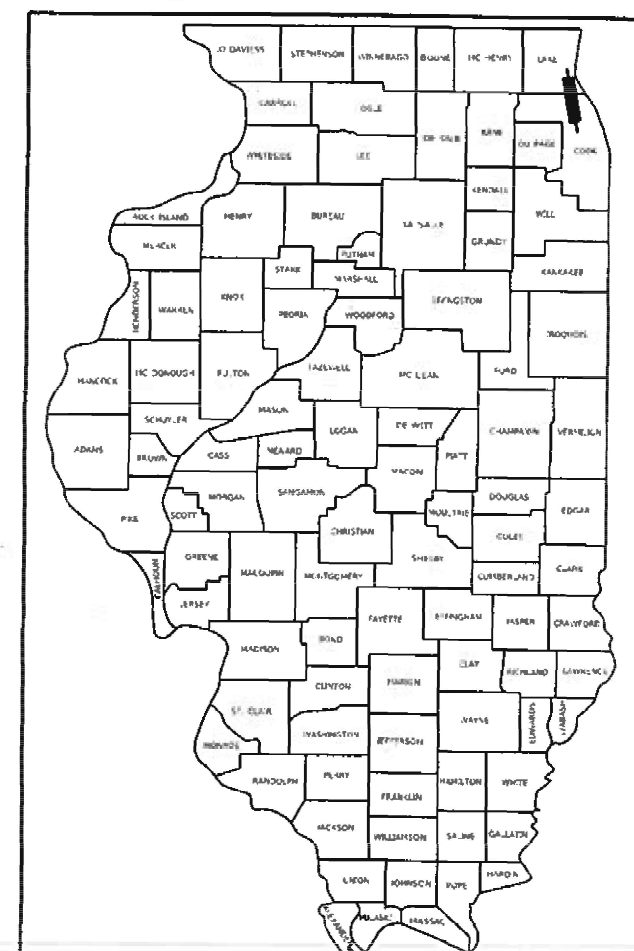
C-91-222-23
D-91-155-23



GROSS LENGTH = NET LENGTH = 87000 FT. = 16.5 MILES
NOT TO SCALE

F.A.I. ATE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04/05/10	FAP 0346 23 SIGN	COOK/LAKE	208	1
		ILLINOIS		CONTRACT NO. 62V17

C-91-222-23
D-91-155-23



LOCATION OF SECTION INDICATED THUS: -

Jacobs

525 W. MONROE SUITE 1600
CHICAGO, ILLINOIS 60661
TELEPHONE: 312.251.3000
ILLINOIS PROFESSIONAL DESIGN FIRM
REGISTRATION NO. 184.000642

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED June 28 20 24
[Signature] REGIONAL ENGINEER

August 16, 2024
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

August 16, 2024
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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INDEX OF SHEETS

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IDOT HIGHWAY STANDARDS

701108-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS>= 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL & BARRIER REFLECTOR MOUNTING DETAILS
812001-01	RACEWAYS EMBEDDED IN STRUCTURE
814001-03	HANDHOLES

NOTICE TO UTILITY COMPANIES

THE DESIGN INTENT OF THIS PROJECT IS NOT TO REQUIRE ANY UTILITY RELOCATIONS. DETAILS ON DEPTH OF FOUNDATIONS AND CONDUIT INSTALLATION ARE AS FOLLOWS:

DESCRIPTION	MAX DEPTH
HELIX LIGHT POLE FOUNDATION	8 FT
CONDUIT	3 FT

DISTRICT 1 STANDARDS

TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTILANE WEAVE
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
BE-220	ELECTRIC SERVICE INSTALLATION
BE-305	LIGHT POLE FOUNDATION, METAL
BE-403	ALUMINUM LIGHT POLE 30'-0" MOUNTING HEIGHT
BE-703	JUNCTION BOX EMBEDDED IN BARRIER WALL

IND-01



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	COOK/LAKE	208	2
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

REV-SEP

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GENERAL NOTES

1. SEVENTY -TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT 1-800-892-0123 AND DIGGER (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD. THE CONTRACTOR SHALL CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.
2. A MINIMUM OF SEVENTY -TWO HOURS PRIOR TO ANY PLACEMENT OR RELOCATION OF MAINTENANCE OF TRAFFIC DEVICES, CONTACT ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) DISTRICT 1 BUREAU OF TRAFFIC.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO PERFORM WORK.
4. EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND THE SUBSURFACE UTILITY ENGINEERING (SUE) SURVEYS. ALL UNDERGROUND UTILITIES MUST BE CONSIDERED APPROXIMATE.
5. 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 CONTRACTORS EXPENSE.
6. 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.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
8. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
9. ALL HORIZONTAL DATUM ARE BASED ON NORTH AMERICAN DATUM OF 1983 (NAD 83). ALL VERTICAL DATUM ARE BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
10. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, AIR TRAFFIC, AND ADJOINING COMMERCIAL AND RESIDENTIAL AREAS.
11. 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.
12. TEMPORARY PAVEMENT MARKING SHALL CONSIST OF EPOXY OR POLYUREA PAVEMENT MARKING, AT THE OPTION OF THE CONTRACTOR. EPOXY OR POLYEUREA PAVEMENT MARKING MATERIALS SHALL BE ACCORDING TO ARTICLES 1095.04 AND 1095.08 RESPECTIVELY OF THE STANDARD SPECIFICATIONS.
13. WET REFLECTIVE TEMPORARY TAPE TYPE III SHALL BE USED ON THE FINAL WEARING SURFACE. TEMPORARY PAVEMENT MARKING CONSISTING OF EPOXY OR POLYUREA PAVEMENT MARKING SHALL NOT BE APPLIED TO THE FINAL WEARING SURFACE UNLESS AUTHORIZED BY THE ENGINEER FOR THE LATE SEASON APPLICATION WHERE TAPE ADHESION WOULD BE A PROBLEM.
14. 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. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.
15. THE CONTRACTOR SHALL AVOID TRENCHING THROUGH WETLAND AREAS, ROADSIDE DITCHES, AND RETENTION PONDS.
16. LOCATIONS 1, 7, 8, 9, 10, 11 ARE LOCATED SUCH THAT SOIL EXCAVATED FOR THE MEDIAN FOUNDATIONS CANNOT BE DISPOSED ON SITE. AT THESE LOCATIONS, EXCAVATED SOIL SHALL BE DISPOSED ADJACENT TO THE RIGHT SIDE FOUNDATION. THE COST OF MOVING THE EXCAVATED SOIL SHALL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
17. MEDIAN FOUNDATION WORK IMPACTING THE EXISITING TELECOMMUNICATIONS CABLE SHALL NOT BEGIN UNTIL ALL ITS AND RAMP METER CABINETS HAVE BEEN TRANSITIONED TO THE FIBER OPTIC CABLE.

COMMITMENTS

1. PACE BUS OPERATES ON THE RIGHT SHOULDER BETWEEN DEMPSTER AVENUE AND WILLOW ROAD. CONTRACTOR MUST ALWAYS PLACE PROPER TRAFFIC CONTROL DEVICES WHEN WORKING IN LANES AND SHOULDERS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	PERCENT AIR VOIDES @ NDES	THICKNESS	QMP
CLASS D PATCHES (SPECIAL)			
HMA BINDER IL-19mm, TYPE IV	4% @ 70 GYR	10"	QC/QA
HMA SURFACE COURSE, IL-9.5, MIX "D", N70	4% @ 70 GYR	2"	QC/QA
HMA GUARDRAIL STABILIZATION			
HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL (HMA BINDER IL-19mm)	4% @ 70 GYR	6"	QC/QA
FILLING EXISTING RUMBLE STRIP			
HMA SURFACE COURSE, IL-9.5, MIX "D", N70	4% @ 70 GYR	2"	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE(PFP).			

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/INCH THICKNESS.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICTIONS.

NOTES:

1. NO PROPOSED WORK ON THIS SHEET.

Jacobs	USER NAME = korabmp	DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MPK	REVISED -					US41	FAP 0346 23 SIGN	COOK/LAKE	208	3
	PLOT SCALE =	CHECKED - CRH	REVISED -					CONTRACT NO. 62V17				
	PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -		SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				COOK	LAKE	COOK	LAKE		
				005	005	044	044		
				ROADWAY	ROADWAY	ITS	ITS		
21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	111	106.00	5.00	-	-		
25000210	SEEDING, CLASS 2A	ACRE	0.13	0.11	0.02	-	-		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2.88	2.40	0.48	-	-		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2.88	2.40	0.48	-	-		
25100630	EROSION CONTROL BLANKET	SQ YD	300	300	-	-	-		
28000510	INLET FILTERS	EACH	12	12.00	-	-	-		
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	5.60	5.60	-	-	-		
44001980	CONCRETE BARRIER REMOVAL	FOOT	210	201	-	-	-		
44004250	PAVED SHOULDER REMOVAL	SQ YD	164	164.00	-	-	-		
44200990	CLASS B PATCHES, TYPE I, 12 INCH	SQ YD	9	9.00	-	-	-		
44200994	CLASS B PATCHES, TYPE II, 12 INCH	SQ YD	81	81.00	-	-	-		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	260	260.00	-	-	-		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2.00	-	-	-		
63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1					
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT)	EACH	1	1	-	-	-		
63700805	CONCRETE BARRIER TRANSITION	FOOT	40	40.00	-	-	-		

* SPECIALTY ITEM

SOQ-01



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN MPK	REVISED
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	COOK/LAKE	208	4
		CONTRACT NO. 62V17		
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				COOK	LAKE	COOK	LAKE		
				005	005	044	044		
				ROADWAY	ROADWAY	ITS	ITS		
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	9,600	9600	-	-	-		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,164	1164	-	-	-		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	15	15	-	-	-		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	-	-	-		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	-	-	-		
* 66901006	REGULATED SUBSTANCES MONITORING	DAYS	30	30	-	-	-		
67100100	MOBILIZATION	L SUM	1	1		-	-		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	450	338	112	-	-		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	27,875	27,875	-				
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	1,200	1200	-	-	-		
70307125	TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE	FOOT	22,275	22275	-	-	-		
70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	4,400	4400	-	-	-		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3,440	3440	-	-	-		
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	12	12.00	-	-	-		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	285	285	-	-	-		

* SPECIALTY ITEM

SOQ-02

	USER NAME = korabmp	DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MPK	REVISED -					US41	FAP 0346 23 SIGN		208	5
	PLOT SCALE =	CHECKED - CRH	REVISED -					CONTRACT NO. 62V17				
	PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -		SCALE: NTS	SHEET 2 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

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				CONSTRUCTION CODE					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				COOK	LAKE	COOK	LAKE		
				005	005	044	044		
				ROADWAY	ROADWAY	ITS	ITS		
* 72900200	METAL POST - TYPE B	FOOT	70	70	-	-	-		
* 73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	289	289	-	-	-		
* 73300200	OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'-6" X 5'-3")	FOOT	210	210	-	-	-		
* 73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A(5'-0" X 7'-0")	FOOT	86	86	-	-	-		
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	202	202	-	-	-		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	20,400	20400	-	-	-		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	120	120	-	-	-		
* 78004625	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 5"	FOOT	5,400	5400	-	-	-		
78011030	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	5,400	5400	-	-	-		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	96	96	-	-	-		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	24,650	24650	-	-	-		
80400100	ELECTRIC SERVICE INSTALLATION	EACH	8	7	-	-	1		
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	-	-	1			
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4,288	-	-	4,288	-		
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	14,950	-	-	14,635	315.00		

* SPECIALTY ITEM

SOQ-03



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN MPK	REVISED
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	COOK/LAKE	208	6
		CONTRACT NO. 62V17		
ILLINOIS FED. AID PROJECT				

REV-SEP

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				COOK	LAKE	COOK	LAKE		
				005	005	044	044		
				ROADWAY	ROADWAY	ITS	ITS		
				-	-				
81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	428	-	-	428.00	-		
81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	80	-	-	80.00	-		
81300945	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	4	-	-	4.00	-		
81400200	HEAVY-DUTY HANDHOLE	EACH	25	-	-	25.00	-		
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	21,014	-	-	21014.00	-		
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	6,502	88.00	-	5571.00	843.00		
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	264	264.00	-	-	-		
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	16,005	-	-	16005.00	-		
81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	654	654.00	-	-	-		
83600352	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 6'	EACH	17	-	-	16.00	1		
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	17			16.00	1		
85900200	TRANSCEIVER (SPECIAL)	EACH	5	-	-	5.00	-		
87001275	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 3/C NO. 4 AND NO. 6 GROUND	FOOT	80	-	-	80.00	-		
87301135	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 4C	FOOT	1,508	-	-	1,508	-		
87502250	TRAFFIC SIGNAL POST, PAINTED STEEL 10 FT.	EACH	20	-	-	20.00	-		

SOQ-04



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	COOK/LAKE	208	7
		CONTRACT NO. 62V17		
ILLINOIS FED. AID PROJECT				

p:\p\Project\Wise\AMER_jacobs.com\NA\Documents\9\X20600_144_U.S. 41\9\X20600\700\aed\713tra62V17 (ITS Cabinet Replacement)\010_005_0162V17.sht-SOQ.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				COOK	LAKE	COOK	LAKE		
				005	005	044	044		
				ROADWAY	ROADWAY	ITS	ITS		
* 87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	2	-	-	2.00	-		
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	3	-	-	3.00	-		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	120	-	-	120.00	-		
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	50	-	-	50.00	-		
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	67	-	-	66.00	1.00		
88040030	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	30	-	-	30.00	-		
88040045	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 2-SECTION, MAST ARM MOUNTED	EACH	5	-	-	5.00	-		
88040050	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 2-SECTION, POST MOUNTED	EACH	25	-	-	25.00	-		
89502380	REMOVE EXISTING HANDHOLE	EACH	1			1.00			
X0320990	DISTRICT ONE - ELECTRICAL MAINTENANCE	L SUM	1	-	-	1			
X0323904	ILLINOIS DEPARTMENT OF TRANSPORTATION COMMUNICATIONS NODE	L SUM	1	-	-	1			
X0323917	CABINET, MODEL 334	EACH	16	-	-	16.00	-		
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	300	-	-	300.00	-		
X0327324	ELECTRICAL WORK, IDOT BUILDING E	L SUM	1	-	-	1.00	-		

* SPECIALTY ITEM

SOQ-05



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 5 OF 7 SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	COOK/LAKE	208	8
		CONTRACT NO. 62V17		
ILLINOIS FED AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				COOK	LAKE	COOK	LAKE		
				005	005	044	044		
				ROADWAY	ROADWAY	ITS	ITS		
X0328032	BUDGETARY ALLOWANCE FOR NETWORK DESIGN AND INTEGRATION	L SUM	1	-	-	1.00	-		
X1400013	REMOVAL OF CABLE IN CONDUIT	FOOT	21,815	-	-	21,006	809		
X1400106	WIRELESS VEHICLE DETECTION SYSTEM	EACH	45	-	-	41.00	4.00		
X1400217	TERMINATE FIBER IN CABINET	EACH	696	-	-	684.00	12.00		
X1400340	AERIAL CABLE REMOVAL	FOOT	654	-	-	654.00	-		
X1400383	FIXED POSITION CCTV CAMERA	EACH	15	-	-	15.00	-		
X1400513	FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	21	-	-	20.00	1.00		
X4421791	CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL)	SQ YD	160	160.00	-	-	-		
X6370700	CONCRETE BARRIER TRANSITION (SPECIAL)	FOOT	110	-	-	110	-		
X6420002	FILLING EXISTING RUMBLE STRIP	FOOT	9,600	-	-	9600.00	-		
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	15	-	-	11.00	4.00		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	-	-	1			
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	450	338	112	-	-		
X7200350	INSTALL SIGN PANEL - TYPE 3 (EXPRESSWAY)	SQ FT	2,652	1989.00	663.00	-	-		
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	160	120.00	40.00	-	-		

SOQ-06



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	COOK/LAKE	208	9
		CONTRACT NO. 62V17		
ILLINOIS I.F.E.D. AID PROJECT				

p:\Project\Wise\AMER-jacobs.com\NA\Documents\920600_144_U.S. 41\920600\920600\700-cad\713-tral62V17 (ITS Cabinet Replacement)\010_007_D162V17.sht-500.dgn

				CONSTRUCTION CODE					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				COOK	LAKE	COOK	LAKE		
				005	005	044	044		
				ROADWAY	ROADWAY	ITS	ITS		
* X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	640	480.00	160.00	-	-		
X8040510	RELOCATE ELECTRIC SERVICE	EACH	1	-	-	1.00	-		
X8050204	REMOVE ELECTRIC SERVICE	EACH	45	-	-	40.00	5.00		
X8100863	INTERCEPT EXISTING CONDUIT	EACH	2	-	-	2.00	-		
X8131170	JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 20" X 13" X 12"	EACH	4	-	-	4.00	-		
X8300001	LIGHT POLE (SPECIAL)	EACH	17	-	-	16.00	1.00		
X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	25,906	-	-	25,684	222.00		
X8710304	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	2	-	-	1.00	1.00		
X8780200	CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334	EACH	16	-	-	15.00	1.00		
X8950105	REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	46	-	-	42.00	4.00		
X8950212	MODIFY EXISTING CONTROLLER CABINET (SPECIAL)	EACH	32	-	-	28.00	4.00		
X8950300	REMOVE EXISTING SIGNAL HEAD AND POST	EACH	30	-	-	30.00	-		
X1400460	LAYER III (NETWORK) SWITCH	EACH	16	-	-	15.00	1.00		
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	933	-	-	933	-		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	-	-	1	-		
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	15	-	-	15	-		
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	-	-	1.00	-		
X03222226	ACTIVE WRONG WAY DETECTION SYSTEM	EACH	1	-	-	1.00	-		
				-	-				
				-	-				
X0325489	CONTROLLER, LINUX ATC	EACH	15	-	-	15.00	-		
				-	-		-		
X8710402	FIBEROPTIC INNERDUCT 1 1/4"	FOOT	9,890			9,768	122		
Ø Z0076600	TRAINEES	hour	3500	3500					
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	hour	3500	3500					

* SPECIALTY ITEM

Ø 0042 SOQ-07



USER NAME = korabmp	DESIGNED _ MPK	REVISED _
	DRAWN _ MPK	REVISED _
PLOT SCALE =	CHECKED _ CRH	REVISED _
PLOT DATE = 6/28/2024	DATE _ 2/9/2024	REVISED _

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 7 OF 7 SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	COOK/LAKE	208	10
		CONTRACT NO. 62V17		
ILLINOIS FED AID PROJECT				

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- # Jacobs

SIGN	STATION	APPLICABLE DESIGN STANDARD
GUIDE SIGN 1	STA 333+52	MOT DETAIL SHEETS MOT-04
GUIDE SIGN 7	STA 130+20	MOT DETAIL SHEETS MOT-03
GUIDE SIGN 8	STA 485+70	MOT DETAIL SHEET SGN-41
GUIDE SIGN 9	STA 727+71	MOT DETAIL SHEET SGN-41
GUIDE SIGN 10	STA 767+40	MOT DETAIL SHEETS MOT-06
GUIDE SIGN 11	STA 709+12	MOT DETAIL SHEETS MOT-05

- | |
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GUIDE SIGN INSTALLATION (VARIOUS LOCATIONS)

1. CLOSE OUTSIDE SHOULDER ON EB AND WB I-94/US 41 IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
2. REMOVE RUMBLE STRIPS ON OUTSIDE SHOULDER FOR BOTH EB AND WB I-94. THE REMOVAL OF RUMBLE STRIPS INCLUDES THE MILLING AND RESURFACING OF A FOUR FOOT WIDE SECTION OF SHOULDER.

1. SHIFT TRAFFIC TO OUTSIDE SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-9.
2. CLOSE BOTH EB AND WB I-94 INSIDE SHOULDERS AND INSIDE LANE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701400.
3. CONSTRUCT MEDIAN TRUSS FOUNDATION.
4. CONSTRUCT BARRIER TRANSITION.

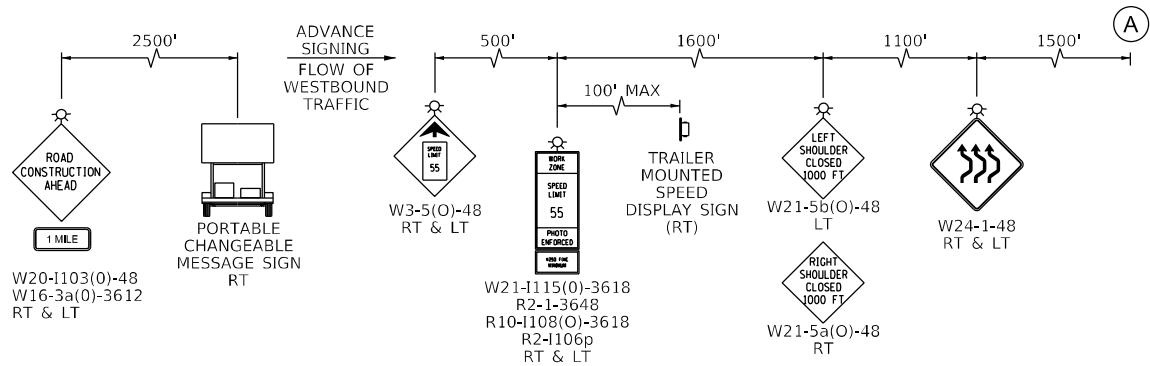
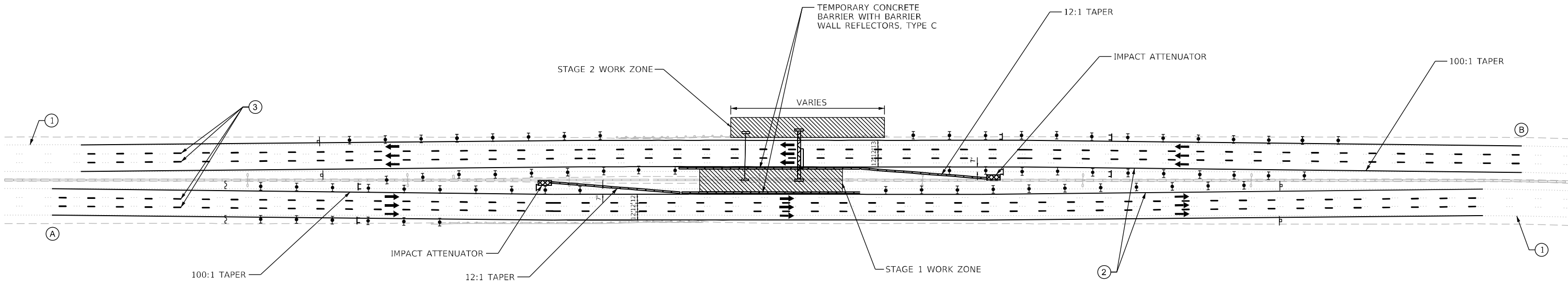
1. CLOSE EB I-94 OUTSIDE SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
2. CONSTRUCT OUTSIDE SIGN TRUSS FOUNDATION. REMOVE AND REERECT GUARDRAIL AS NEEDED FOR ACCESS FOR EASE OF CONSTRUCTION AS NECESSARY.
3. INSTALL TRUSS SPAN WITH DMS SIGN. SEE MOT GENERAL NOTE 18 FOR FULL STOP REQUIREMENTS

1. ERECT SIGN STRUCTURE USING A SHORT-TERM FULL FREEWAY CLOSURE.
2. REINSTALL 16" RUMBLE STRIPS.

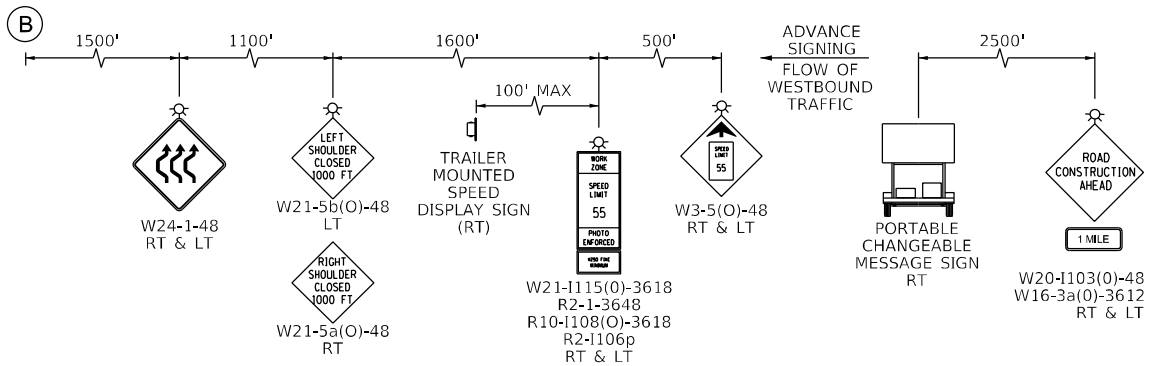
MOT-01

NOTES:

1. DETAIL ON MOT ILLUSTRATES TYPICAL LANE TAPERS, PLACEMENT OF ADVANCED SIGNAGE, AND PLACEMENT OF BARRELS. SEE MOT-03 THROUGH MOT-06 FOR DETAILED SIGN AND RAMP MOT PLANS.
2. ALL WORK SHALL COMPLY WITH DISTRICT 1 STANDARD TC-17.



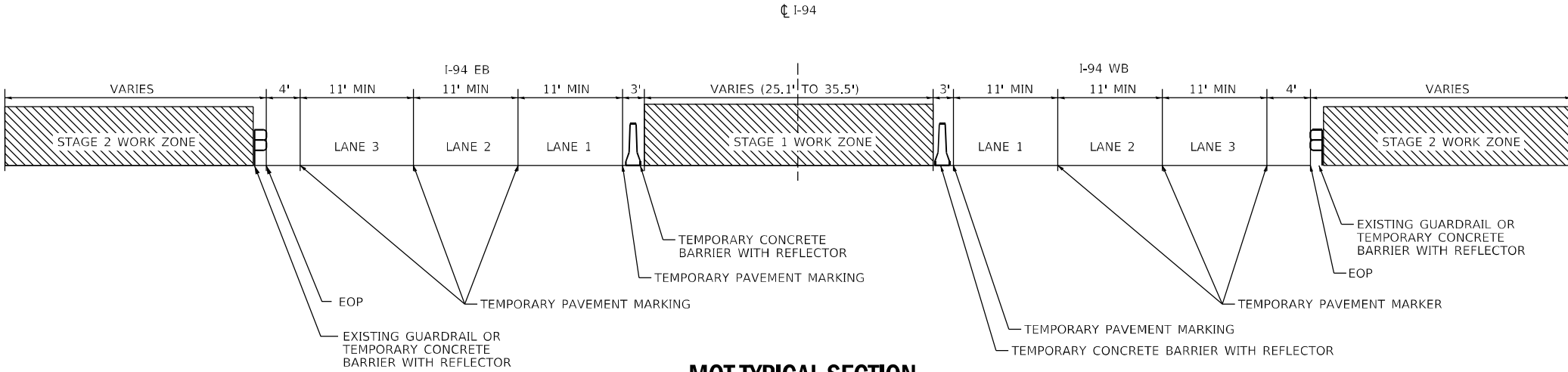
WESTBOUND I-94 ADVANCED SIGNING



EASTBOUND I-94 ADVANCED SIGNING

LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- WORK ZONE



MOT TYPICAL SECTION

Jacobs

USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

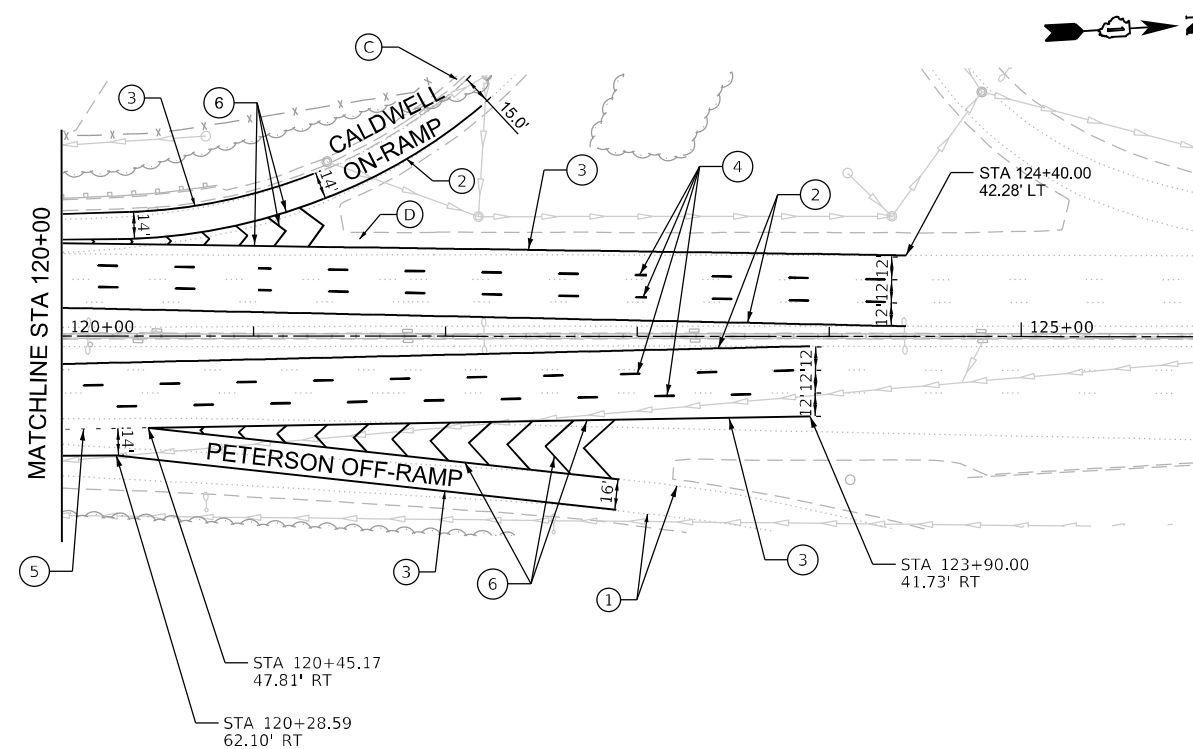
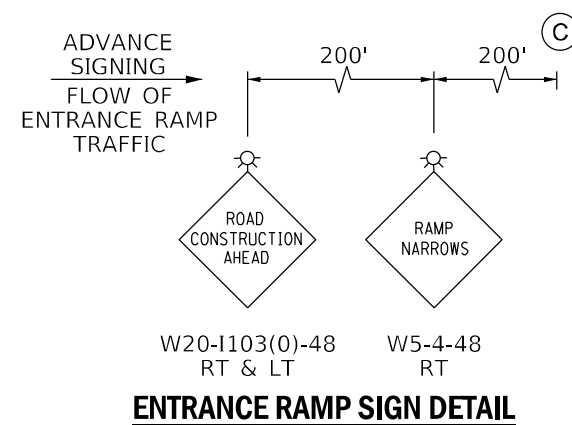
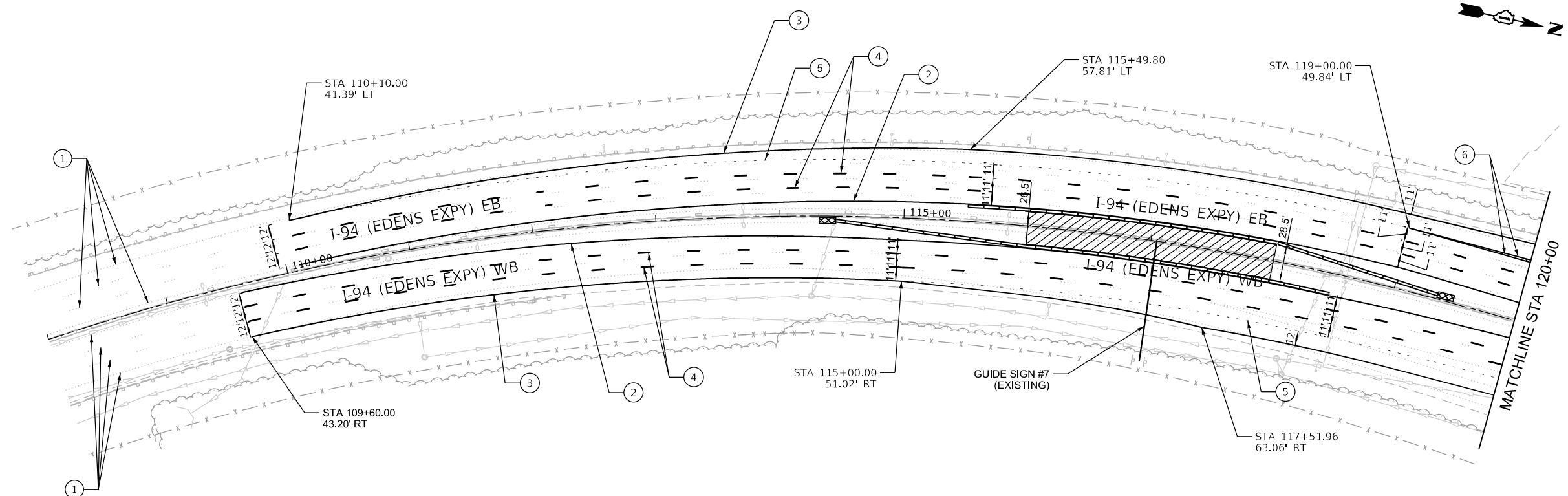
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL MOT FOR LOCATIONS #1, 7, 10, & 11

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

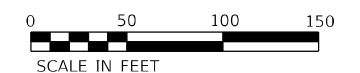
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	12
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

MOT-02



- ### LEGEND

-  IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  WORK ZONE
- ① EXISTING PAVEMENT MARKING
- ② TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE (SOLID YELLOW)
- ③ TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE (SOLID WHITE)
- ④ TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE (30' SKIP - 10' DASH)
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE (DOTTED WHITE, 6' SKIP - 2' DASH)
- ⑥ TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE (SOLID WHITE)



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CIVIL CONSTRUCTION NOTES

1.

SIX PROPOSED GUIDE SIGN STRUCTURE REPLACEMENTS PREVIOUSLY DESIGNED UNDER CONTRACT 46539 ARE INCORPORATED INTO CONTRACT 62V17. CIVIL DESIGN PLANS INCORPORATE AS PART OF THIS CONTRACT UPDATE THE REMOVAL, CONSTRUCTION, AND RESTORATION PLANS.
2.

PROPOSED SIGN STRUCTURE TO BE PLACED IMMEDIATELY UPSTREAM OR DOWNSTREAM OF THE EXISTING STRUCTURE TO BE REMOVED. PROPOSED LOCATION SHALL AVOID UTILITIES AND DRAINAGE STRUCTURES.
3.

SIGN STRUCTURES 1, 7, 10 AND 11 WILL STRADLE THE MEDIAN DRAIN. CONTRACTOR SHALL LOCATE THE MEDIAN DRAIN HORIZONTALLY AND VERTIACALLY BEFORE STARTING CONSTRUCTION. STRUCTURAL DETAILS PERMIT ADJUSTMENTS TO AVOID UTILITIES.
4.

CIVIL QUANTITIES BASED FOR SIGN STRUCTURS 1, 7, 10, 11 ARE BASED ON REPRESENTATIVE SIGN STRUCTURE REPLACEMENT. ENGINEER TO APPROVE ANY FIELD ADJUSTMENTS REQUIRED TO AVOID UTILITIS OR MEET UNIQUE SITE CONDITIONS.

		RECOMMENDED LOCATION	COMMENTS
I-94	SGN-01	SHIFT UPSTREAM	<i>AVOID COMMUNICATIONS JUNCTION BOX</i>
	SGN-07	UPSTREAM OR DOWNSTREAM	TEMPORARY LIGHTING REQUIRED
	SGN-08	SHIFT DOWNSTREAM	<i>AVOID INLETS</i>
	SGN-09	SHIFT DOWNSTREAM	<i>TEMPORARY LIGHTING REQUIRED</i>
US 41	SGN-10	NA	<i>EXISTING SIGN REMOVED</i>
I-94	SGN-11	SHIFT 350 FT SOUTH	<i>SHIFT REQUIRED TO AVOID SURFACE WATERS</i>

ENVIRONMENTAL SCHEDULE OF QUANTITIES

		21101645	25000210	25000400	25000600	25100630	28000510
		TOPSOIL FURISH AND PLACE, 12"	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	POYSDDUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	INLET FILTERS
		SQ YD	ACRE	POUND	POUND	SQ YD	EACH
I-94	SGN-01	10	0.004	0.12	0.12	50	2
	SGN-07	10	0.004	0.12	0.12	50	2
	SGN-08 *	10	0.004	0.12	0.12	50	2
	SGN-09 *	10	0.004	0.12	0.12	50	2
US 41	SGN-10	10	0.004	0.12	0.12	50	2
I-94	SGN-11	10	0.004	0.12	0.12	50	2
TOTALS		60	0.02	0.72	0.72	300	12

* CIVIL QUANTITIES DEVELOPED UNDER CONTRACT 46539. INCLUDED BY REFERENCE UNDER 62V17.

MEDIAN BARRIER WALL CIVIL SCHEDULE OF QUANTITIES

		31102000	44001980	44004250	44201796	63700805	78100300
		SUBBASE GRANULAR MATERIAL, TYPE C	CONCRETE BARRIER REMOVAL	PAVED SHOULDER REMOVAL	CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL)	CONCRETE BARRIER TRANSITION	BARRIER WALL REFLECTORS, TYPE C
		CU YD	FOOT	SQ YD	SQ YD	SQ YD	EACH
I-94	SGN-01	1.4	35.3	41	40	0	16
	SGN-07	1.4	37.1	41	40	0	16
	SGN-08 *	0	30	0		20	16
	SGN-09 *	0	30	0		20	16
US 41	SGN-10	1.4	40.3	41	40	0	16
I-94	SGN-11	1.4	37.2	41	40	0	16
TOTALS		5.6	209.9	164	160	40	96

* CIVIL QUANTITIES DEVELOPED UNDER CONTRACT 46539. INCLUDED BY REFERENCE UNDER 62V17.

MAINLINE AND OUTSIDE SHOULDER CIVIL SCHEDULE OF QUANTITIES

		64200116	78000200	78011030	78004625	78300202	X6420002
		SHOULDER RUMBLE STRIPS, 16 INCH	THERMOPLASTIC PAVEMENT MARKING LINE 4"	GROVING FOR RECESSED PAVEMENT MARKING, 6"	PREFORMED PAVEMENT MARKING, TYPE D STANDARD -LINE 5"	PAVEMENENT MARKING REMOVAL WATER BLASTING	FILLING IN EXISTING RUMBLE STRIP
		FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT
I-94	SGN-01	2400	4800.0	1200.0	1200.0	6000.0	2400
	SGN-07	2400	4800.0	1200.0	1200.0	6000.0	2400
	SGN-08 *		600.0	300.0	300.0	325.0	
	SGN-09 *		600.0	300.0	300.0	325.0	
US 41	SGN-10	2400	4800.0	1200.0	1200.0	6000.0	2400
I-94	SGN-11	2400	4800.0	1200.0	1200.0	6000.0	2400
TOTAL		9600	20,400.0	5,400.0	5,400.0	24,650.0	9600



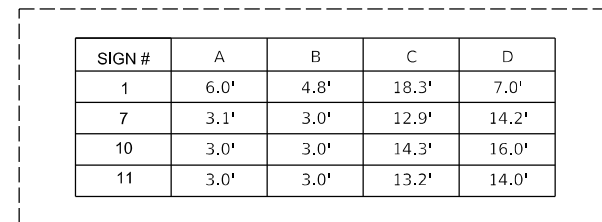
USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL RESTORATION

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

F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	COOK/LAKE	208	17
		CONTRACT NO. 62V17		
		ILLINOIS	FED. AID PROJECT	



CONCRETE MEDIAN BARRIER TRANSITION
(PLAN)
(NOT TO SCALE)

1. SEE OVERHEAD SIGN DETAILS FOR SECTION THROUGH PROPOSED SIGN STRUCTURE FOUNDATION
2. COST OF CONCRETE BARRIER BASE IS INCLUDED IN THE COST FOR CONCRETE BARRIER TRANSITION (SPECIAL)



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN			
MEDIAN BARRIER WALL TRANSITION DETAILS			
SCALE: NTS	SHEET 3	OF 3	SHEETS
STA.		TO STA.	

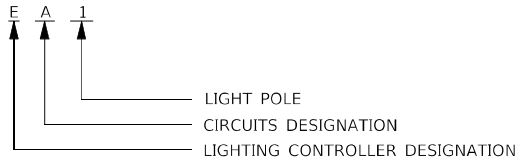
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	19
		CONTRACT NO. 62V17		
		ILLINOIS	FED. AID PROJECT	

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LIGHTING SHEET INDEX

LTG-01	HIGHWAY LIGHTING NOTES/LEGEND
LTG-02	TEMPORARY LIGHTING AND REMOVAL PLAN - SIGN #7
LTG-03	TEMPORARY LIGHTING AND REMOVAL PLAN - SIGN #8
LTG-04	PROPOSED LIGHTING PLAN - SIGN #7
LTG-05	PROPOSED LIGHTING PLAN - SIGN #8
LTG-06	TEMPORARY LIGHT POLE DETAILS
LTG-07	MISC. ELECTRICAL DETAILS

LIGHT POLE DESIGNATION



IDOT LIGHTING BILL OF MATERIALS

PAY ITEM DESCRIPTION	UNIT	QUANTITY
4" DIA CONDUIT, EMBEDDED IN STRUCTURE, PVC	FOOT	80
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	264
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	44
AERIAL CABLE, 3 1-C NO. 2 WITH MESSENGER WIRE	FOOT	654
AERIAL CABLE REMOVAL	FOOT	654
JB NONMETALLIC, EMBEDDED IN STRUCTURE, 20X13X12	EACH	4
INTERCEPT EXISTING CONDUIT	EACH	4
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	10

IDOT LEGEND

	EXISTING LIGHTING UNIT TO REMAIN
	EXISTING TWIN ARM LIGHTING UNIT TO REMAIN
	EXISTING ELECTRICAL JUNCTION BOX ATTACHED TO STRUCTURE TO REMAIN
	AERIAL CABLE, 3-1/C #2, ALUMINIUM, WITH MESSENGER WIRE
	EXISTING BRANCH CIRCUIT CONDUCTORS TO BE REMOVED
	PROPOSED UNIT DUCT, 1 1/2" DIA. POLYETHYLENE, SCH-40 600V, 3-1/C #2, & 1/C #4 GROUND (XLP-TYPE USE) (UNLESS NOTED OTHERWISE)
	PROPOSED CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AMP	AMPERE
AWG	AMERICAN WIRE GAUGE
BC	BOLT CIRCLE
C	CONDUIT
DIA	DIAMETER
DMS	DYNAMIC MESSAGE SIGN
FBC	FRONT OF BARRIER CURB
GRD/GND	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HPS	HIGH PRESSURE SODIUM
(I)	INSTALL
JB	JUNCTION BOX
LED	LIGHT-EMITTING DIODE
MA	MAST ARM
MH	MOUNTING HEIGHT
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
PH	PHASE
PVC	POLYVINYL CHLORIDE
PVCC	PVC COATED RIGID GALVANIZED STEEL
(R)	REMOVE
RGS	RIGID GALVANIZED STEEL
USE	UNDERGROUND SERVICE ENTRANCE
V	VOLTS
W	WATTS
XLP	CROSS-LINKED POLYETHYLENE

LIGHTING GENERAL NOTES

- SEE STANDARD SPECIFICATIONS FOR LIGHTING REQUIREMENTS.
- ALL SPLICING MUST BE IN POLE BASES OR JUNCTION BOXES ABOVE GRADE WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS.
- LIGHTING CIRCUITS WILL BE IMPACTED BY CONSTRUCTION OF FIVE (5) DYMANIC MESSAGE SIGN STRUCTURES, SEE CIVIL PLAN AND INTELLIGENT TRANSPORTATION SHEETS FOR DETAILS.

TEMPORARY LIGHTING GENERAL NOTES

- THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE PER LIGHTING DETAIL SHEET E-13.
- THE CONTRACTOR SHALL PROVIDE ALL CONDUITS AND WIRE OF THE SAME TYPE AND SIZE REQUIRED TO MAINTAIN THE CONTINUITY OF THE CIRCUIT TO EXISTING LIGHT POLES TO REMAIN WHICH MAY BE AFFECTED BY REMOVALS, PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO MAINTENANCE OF LIGHTING SYSTEM. SHUTDOWN OF EXISTING SERVICES SHALL ONLY BE PERMITTED UPON WRITTEN APPROVAL FROM THE ENGINEER; AND THEN ONLY FOR THE DATE AND DURATION AGREED UPON.
- WHERE THE CONTINUITY OF CIRCUITS OR CONDUITS SERVING ANY EXISTING LIGHTING/EQUIPMENT TO REMAIN IN OPERATION IS INTERFERED WITH, REROUTE AND RECONNECT SUCH CIRCUITS OR CONDUITS.
- THE CONTRACTOR SHALL INSTALL TEMPORARY LIGHTING CABLES AND MAKE OPERATIONAL BEFORE THE START OF REMOVAL WORK. TEMPORARY LIGHTING MUST BE FULLY OPERATIONAL BEFORE THE EXISTING BRANCH CIRCUITS MAY BE REMOVED.
- IN ACCORDANCE WITH NEC 225.18 AERIAL CONDUCTOR TO MAINTAIN 18' MIN. CLEARANCE ABOVE ROAD SURFACE AT ALL TIMES.
- CONTRACTOR SHALL TURN OFF CIRCUITS AT THE CONTROLLER BEFORE WORKING ON EXISTING LIGHTING UNITS.

LIGHTING REMOVAL GENERAL NOTES

- BRANCH CIRCUIT WIRING FOR EXISTING EQUIPMENT TO BE REMOVED SHALL BE DISCONNECTED AT SOURCE AND REMOVED. REMOVAL OF EXISTING WIRING IS PAID FOR BY REMOVAL OF CABLE IN CONDUIT.
- ALL EXISTING EQUIPMENT THAT ARE TO BE REMOVED SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
- LOCATIONS SELECTED FOR COLLECTION OF DEBRIS AND/OR STORAGE OF EQUIPMENT SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

LT-01



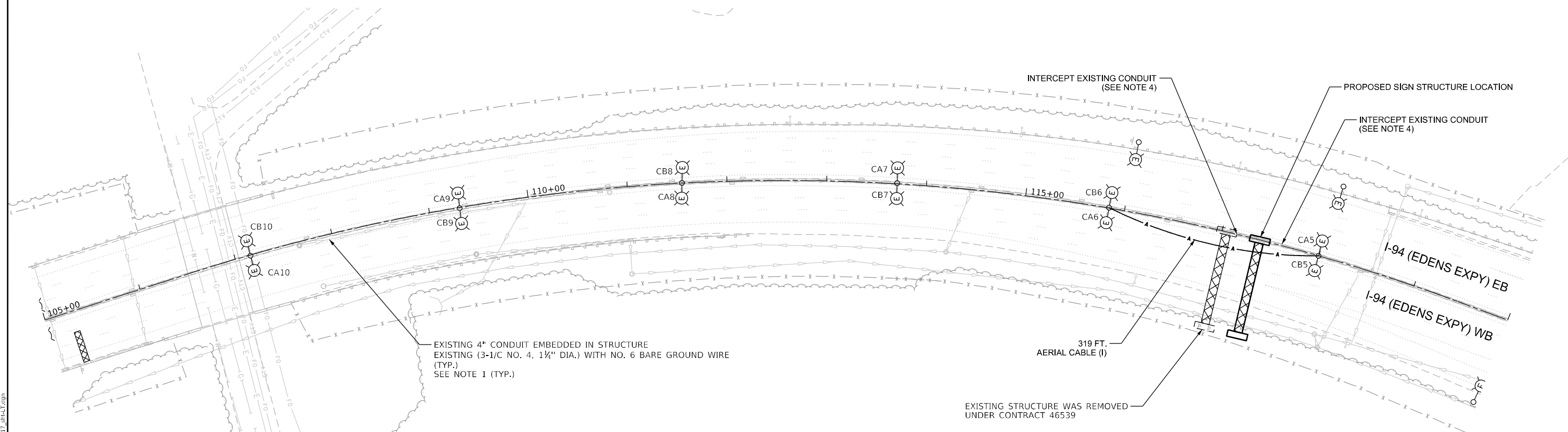
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	DRAWN - AA	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING SHEET INDEX, GENERAL NOTES, AND
BILL OF MATERIALS

SCALE:	SHEET 1 OF 5 SHEETS	STA. TO STA.
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	20
		CONTRACT NO. 62V17		
		ILLINOIS	FED. AID PROJECT	



- NOTES:
1.

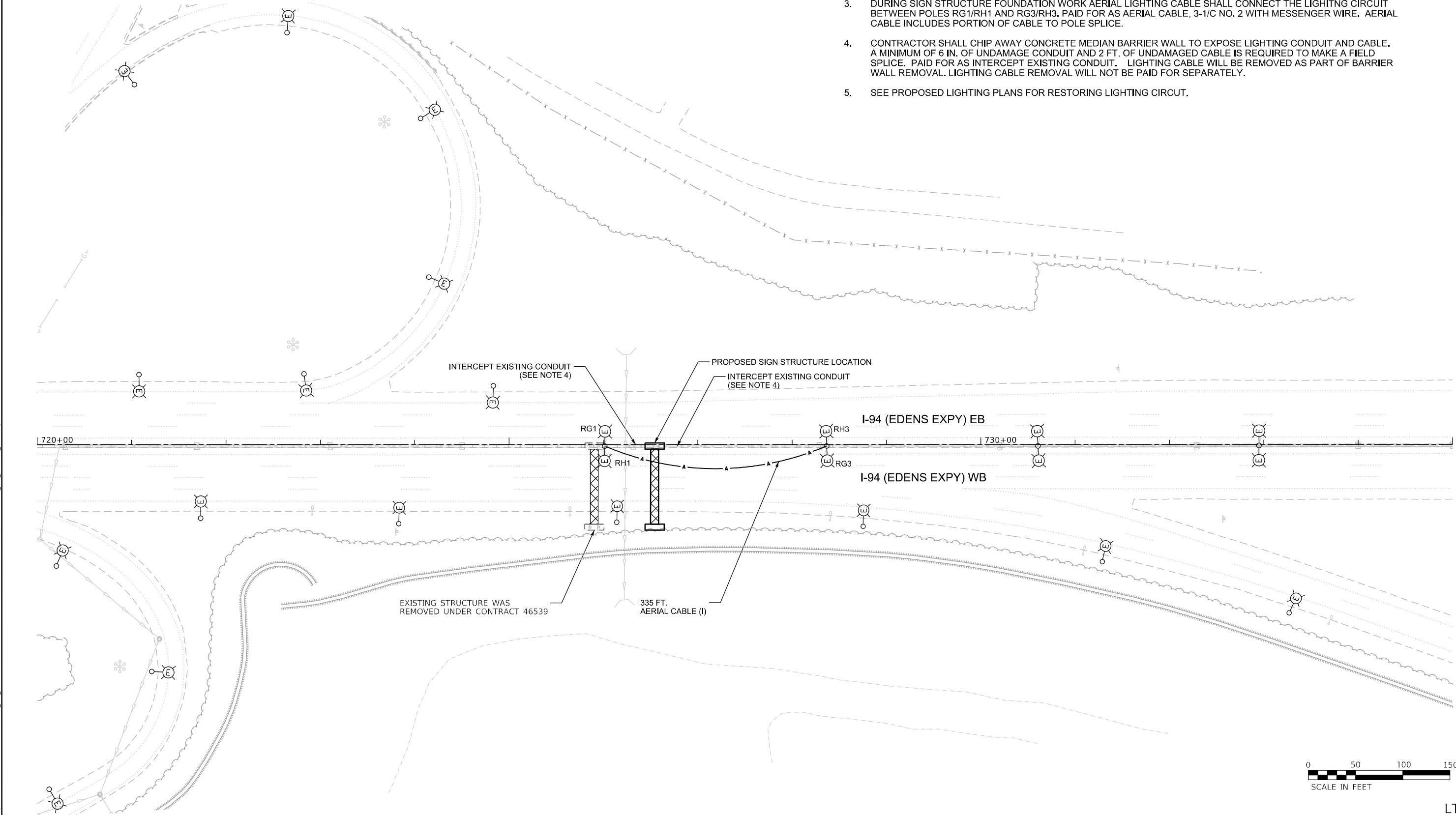
THE EXISTING CONDUIT EMBEDDED IN THE MEDIAN BARRIER WALL IS CELLULOSE AND IS EASILY BREAKABLE AND COLLAPSIBLE. EXISTING CABLES CANNOT BE REMOVED. THE CONTRACTOR UNDER ANY CIRCUMSTANCES SHALL NOT REMOVE OR DAMAGE THE EXISTING CABLES EMBEDDED IN THE BARRIER WALL, AS IT WILL COLLAPSE THE CELLULOSE DUCT. THE CONTRACTOR SHALL TAKE PROPER MEASURES NOT TO DAMAGE THE EXISTING CABLES EMERGING FROM THE EXISTING MEDIAN BARRIER WALL FOUNDATIONS.
2.

EXISTING LIGHT POLES ON CENTER MEDIAN BARRIER SHALL REMAIN.
3.

DURING SIGN STRUCTURE FOUNDATION WORK AERIAL LIGHTING CABLE SHALL CONNECT THE LIGHTING CIRCUIT BETWEEN POLES RG1/RH1 AND RG3/RH3. PAID FOR AS AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE. AERIAL CABLE INCLUDES PORTION OF CABLE TO POLE SPLICE.
4.

CONTRACTOR SHALL CHIP AWAY CONCRETE MEDIAN BARRIER WALL TO EXPOSE LIGHTING CONDUIT AND CABLE. A MINIMUM OF 6 IN. OF UNDAMAGE CONDUIT AND 2 FT. OF UNDAMAGED CABLE IS REQUIRED TO MAKE A FIELD SPLICE. PAID FOR AS INTERCEPT EXISTING CONDUIT. LIGHTING CABLE WILL BE REMOVED AS PART OF BARRIER WALL REMOVAL. LIGHTING CABLE REMOVAL WILL NOT BE PAID FOR SEPARATELY.
5.

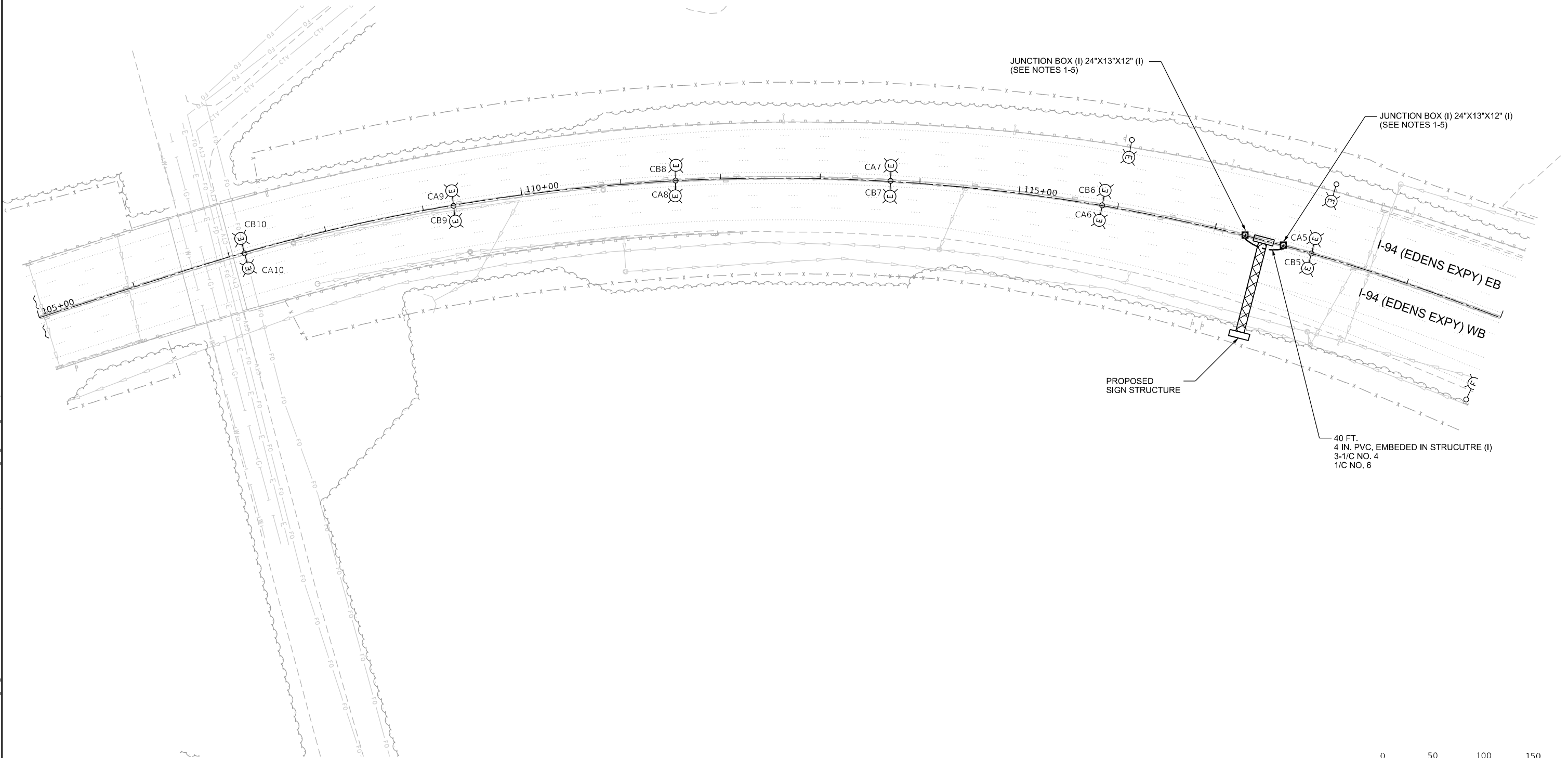
SEE PROPOSED LIGHTING PLANS FOR RESTORING LIGHTING CIRCUIT.



LT-03

Jacobs	USER NAME = korabmp		DESIGNED - CRH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHTING AND REMOVAL PLAN SIGN STRUCTURE NO. 9			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - AA		CHECKED - CRH	REVISED -					FAP 0346 23 SIGN		COOK/LAKE	208	22
	PLOT SCALE =		DATE - 2/9/2024	REVISED -		SCALE:			SHEET 3 OF 5 SHEETS		CONTRACT NO. 62V17		
	PLOT DATE = 6/28/2024					STA. TO STA.			ILLINOIS		FED. AID PROJECT		

- NOTES:
1. INSTALL JUNCTION BOX OVER EXPOSED CONDUIT AND LIGHTING CABLES.
 2. CONNECT JUNCTION BOXES ON EITHER SIDE OF PROPOSED SIGN STRUCTURE FOUNDATION WITH 4" PVC CONDUIT EMBEDDED IN STRUCTURE. INSTALL PROPOSED LIGHTING CABLE AND SPLICE LIGHTING CABLES TOGETHER.
 3. COMPLETE SIGN STRUCTURE FOUNDATION WORK.
 4. REMOVE AERIAL CABLE BETWEEN EXISITNG LIGHT POLES AFTER PROPOSED CIRCUIT HAS BEEN RESTORED.



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	DRAWN - AA	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

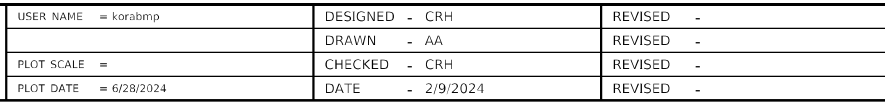
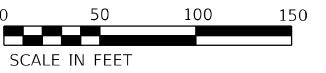
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
SIGN STRUCTURE NO. 7

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	23
			CONTRACT NO. 62V17	
	ILLINOIS	FED. AID PROJECT		

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SCALE:	SHEET 5 OF 5 SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	24
		CONTRACT NO. 62V17		
ILLINOIS		FED. AID PROJECT		

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DRAWING NUMBER	CABINET	EXTENSION UNIT	PROCESSING UNIT	ACCESS POINTS	REPEATERS			WIRELESS DETECTION		
					STANDARD	STANDARD ANTENNA	LONG RANGE ANTENNA	RAMP	SURVEILLANCE	TOTAL
RMP-01	CAB-ED-B2	1	1	1	2	0	1	6	12	18
RMP-02	CAB-ED-B3	1	1	1	7	2	1	12	12	24
RMP-03	CAB-ED-B4	1	1	1	3	1	0	4	12	16
RMP-04	CAB-ED-B5	1	1	1	3	1	1	2	12	14
ITS-10	CAB-ED-001	1	1	1	0	0	0	0	12	12
ITS-11	CAB-ED-001A	1	1	1	1	0	1	2	12	14
ITS-12	CAB-ED-001B	1	1	1	0	0	0	0	12	12
RMP-05	CAB-ED-C8	1	1	1	1	0	1	4	0	4
ITS-13	CAB-ED-002	1	1	2	4	0	1	4	18	22
RMP-07	CAB-ED-C9	1	1	1	3	0	0	6	0	6
RMP-06	CAB-ED-C10	1	1	1	1	1	0	4	0	4
ITS-15	CAB-ED-002A	1	1	1	0	0	0	0	12	12
ITS-16	CAB-ED-002B	1	1	1	0	0	0	0	12	12
ITS-17	CAB-ED-003	1	1	1	3	0	0	2	12	14
RMP-11	CAB-ED-E14	1	1	1	3	0	0	6	0	6
RMP-10	CAB-ED-E15	1	1	1	5	1	0	4	12	16
RMP-09	CAB-ED-E16	1	1	1	4	1	0	6	6	12
RMP-08	CAB-ED-E17	1	1	1	4	0	0	6	6	12
ITS-22	CAB-ED-004	1	1	1	0	0	0	0	12	12
ITS-23	CAB-ED-004A	1	1	1	0	0	0	0	12	12
ITS-26	CAB-ED-005A	1	1	1	2	0	0	0	12	12
RMP-14	CAB-ED-H21	1	1	1	2	0	0	4	0	4
RMP-12	CAB-ED-H22	1	1	1	3	1	1	6	6	12
RMP-15	CAB-ED-H23	1	1	1	2	0	0	6	0	6
RMP-13	CAB-ED-H24	1	1	1	3	0	0	6	0	6
ITS-29	CAB-ED-006	1	1	2	4	0	1	2	18	20
ITS-31	CAB-ED-006A	1	1	1	0	0	0	0	12	12
ITS-33	CAB-ED-007	1	1	1	0	0	0	0	12	12
ITS-35	CAB-ED-007B	1	1	2	6	0	0	10	12	22
ITS-37	CAB-ED-008A	1	1	1	0	0	0	0	12	12
ITS-39	CAB-ED-008B	1	1	2	4	1	0	8	12	20
ITS-41	CAB-ED-009	1	1	1	4	0	0	4	12	16
ITS-43	CAB-ED-009A	1	1	1	0	0	0	0	12	12
ITS-45	CAB-ED-010	1	1	2	4	0	1	8	12	20
ITS-47	CAB-ED-011	1	1	1	0	0	0	0	12	12
ITS-49	CAB-ED-011B	1	1	1	4	1	0	4	12	16
ITS-51	CAB-ED-012	1	1	1	0	0	0	0	12	12
ITS-52	CAB-ED-012A	1	1	1	2	0	0	0	12	12
ITS-54	CAB-ED-013	1	1	2	7	1	0	8	12	20
ITS-56	CAB-ED-013A	1	1	1	0	0	0	0	12	12
ITS-58	CAB-ED-014	1	1	2	5	1	1	8	12	20
ITS-61	CAB-ED-014A	1	1	2	5	1	1	8	16	24
ITS-64	CAB-ED-015	1	1	1	0	0	0	0	8	8
ITS-66	CAB-ED-016	1	1	1	1	0	0	0	8	8
ITS-68	CAB-ED-017	1	1	1	0	0	0	0	8	8
TOTALS:		45	45	53	102	13	11	150	442	592



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	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 8/6/2024	DATE - 2/9/2024	REVISED -

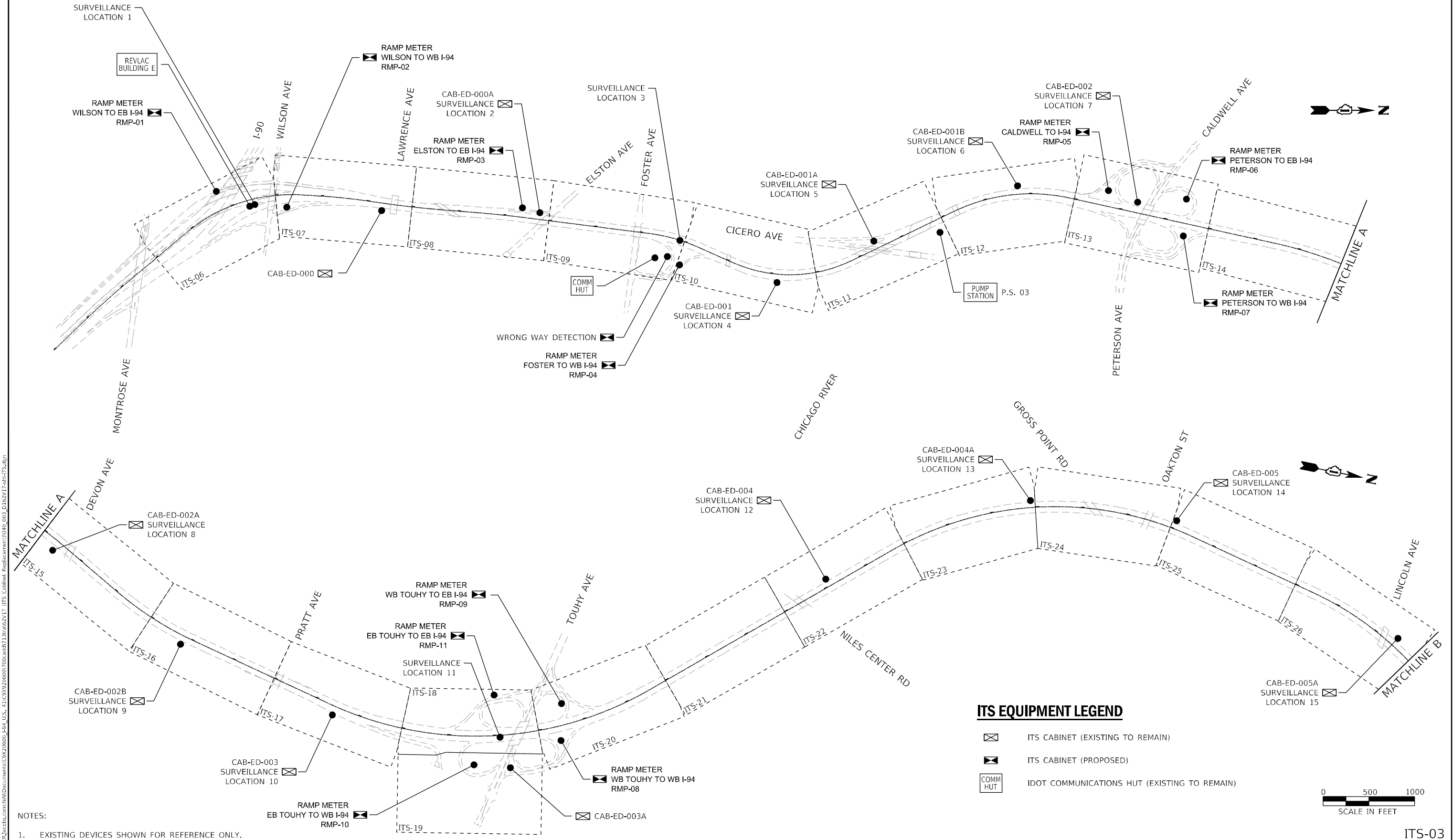
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
DEVICE SCHEDULE

SCALE: 1" = 50' SHEET 2 OF 69 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK/LAKE	208	26
		CONTRACT NO. 62V17		
		ILLINOIS	FED. AID PROJECT	

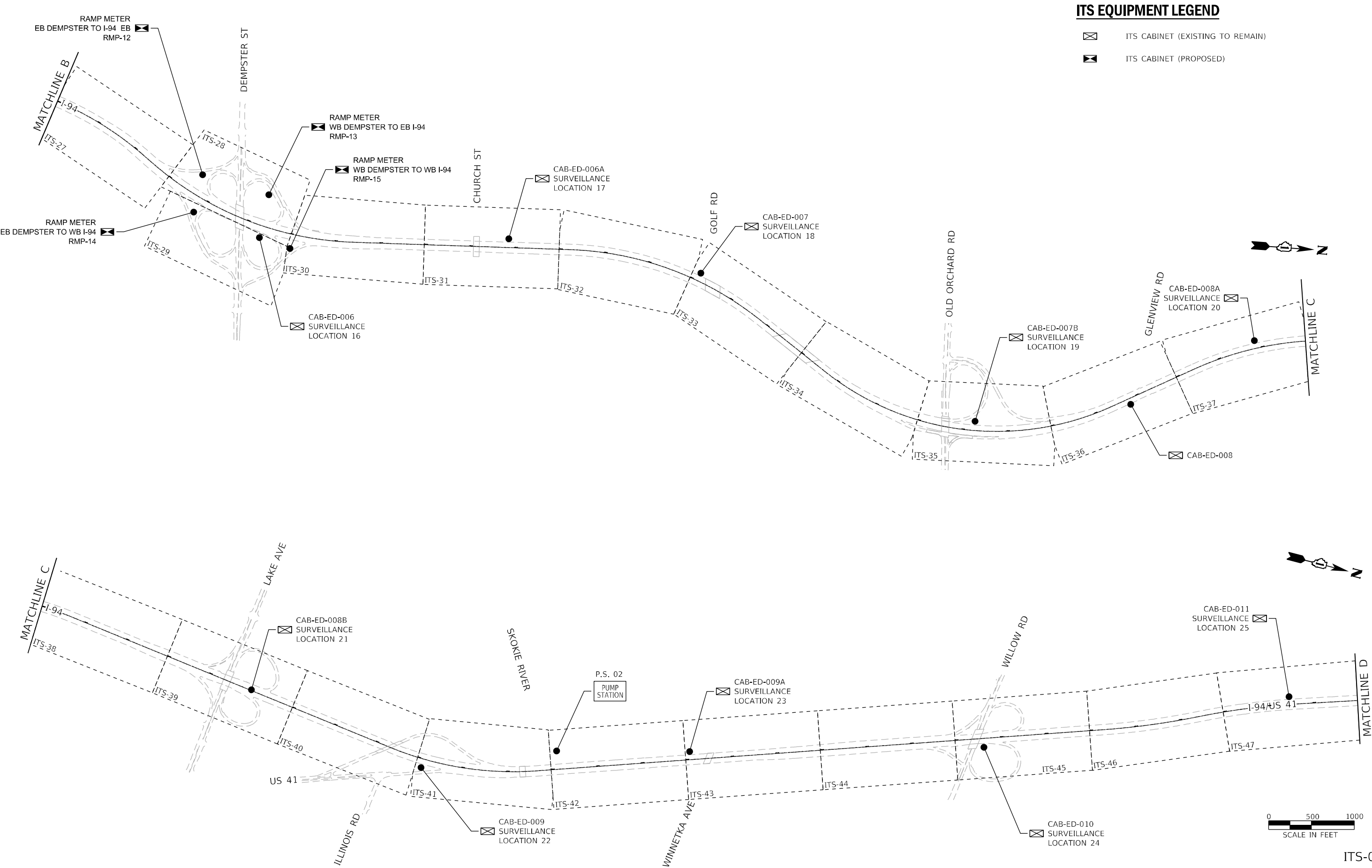
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Jacobs	USER NAME = korabmp		DESIGNED - MPK		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS SHEET LAYOUT MAP			F.A.J RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MPK		CHECKED - CRH		REVISED -						94/41	FAP 0346 23 SIGN		COOK/LAKE	208	27
	PLOT SCALE =		DATE - 2/9/2024		REVISED -						CONTRACT NO. 62V17					
	PLOT DATE = 6/28/2024							SCALE: 1" = 50'			SHEET 3 OF 69 SHEETS		STA. TO STA.			ILLINOIS FED. AID PROJECT

ITS-03

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ITS EQUIPMENT LEGEND

- ITS CABINET (EXISTING TO REMAIN)
- ITS CABINET (PROPOSED)



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

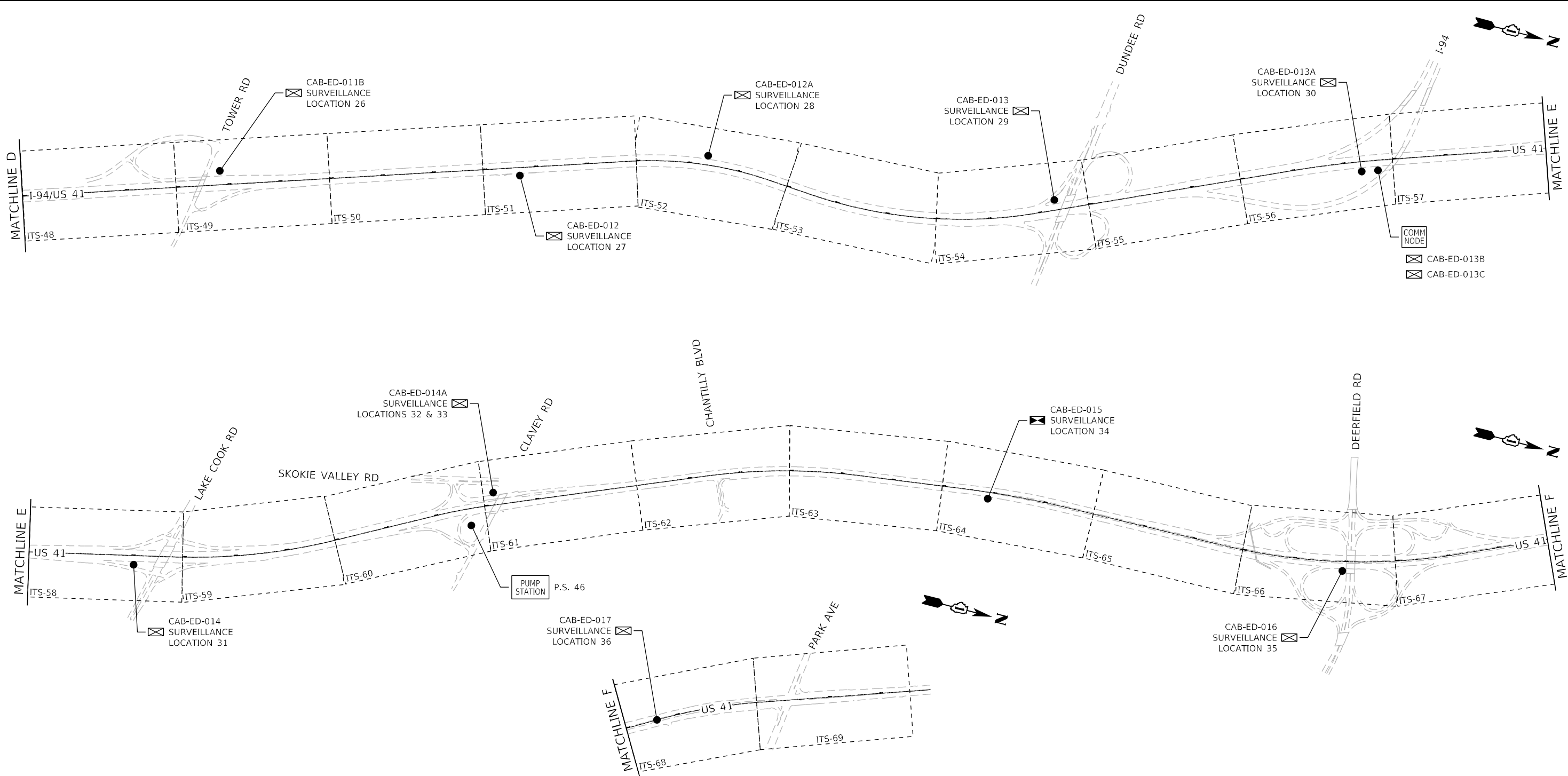
INTELLIGENT TRANSPORTATION SYSTEMS
SHEET LAYOUT MAP

SCALE: 1" = 50' SHEET 4 OF 69 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK/LAKE	208	28
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-04

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ITS EQUIPMENT LEGEND

- ITS CABINET (EXISTING TO REMAIN)
- ITS CABINET (PROPOSED)
- COMM HUT
- COMM NODE
- IDOT COMMUNICATIONS HUT (EXISTING TO REMAIN)
- IDOT COMMUNICATIONS NODE (EXISTING TO REMAIN)

NOTES:

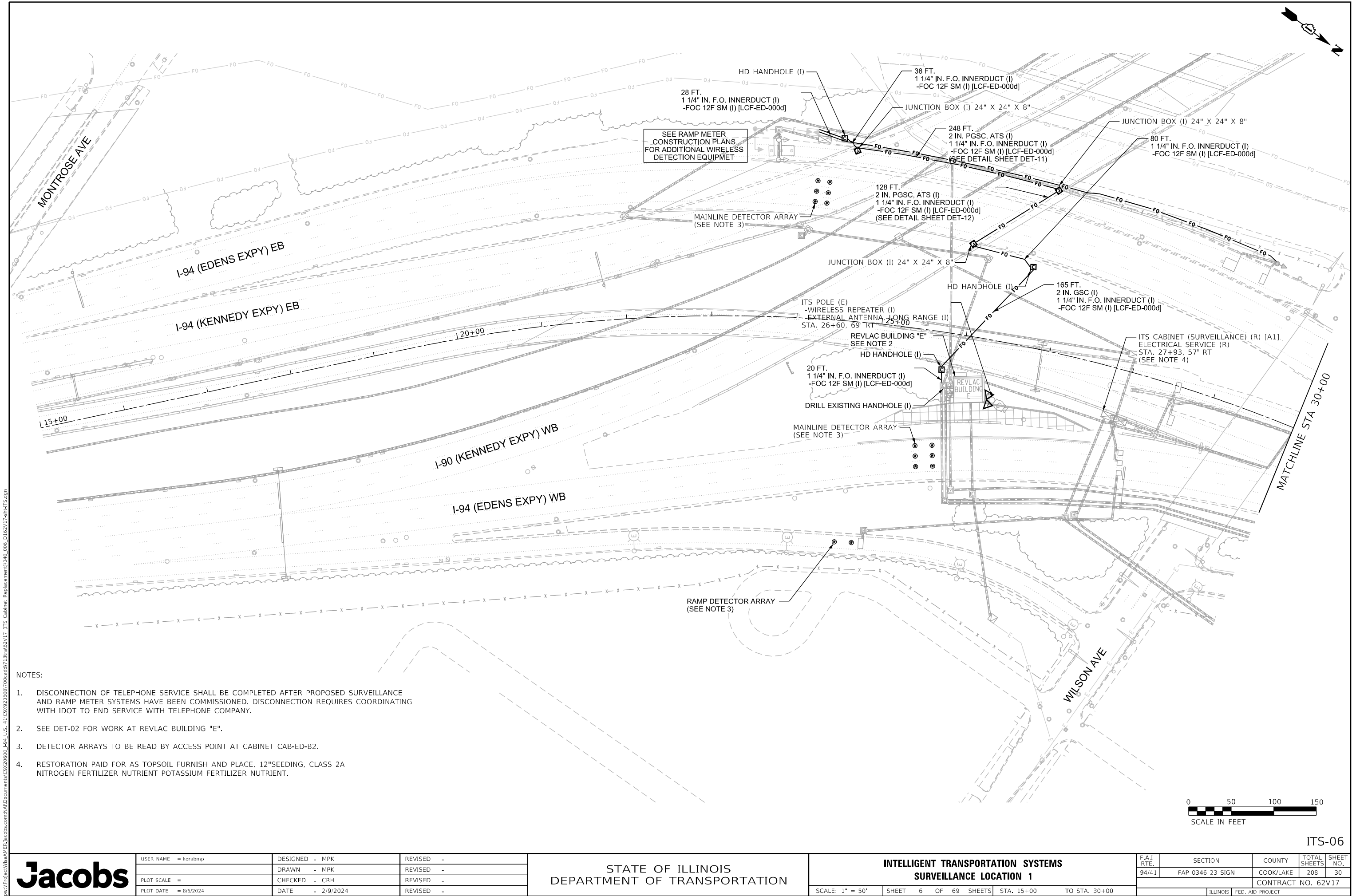
- 1. EXISTING DEVICES SHOWN FOR REFERENCE ONLY.

Jacobs	USER NAME = korabmp		DESIGNED - MPK		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS				F.A.I RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
			DRAWN - MPK		REVISED -			SHEET LAYOUT MAP				94/41	FAP 0346 23 SIGN		COOK/LAKE	208	29	
	PLOT SCALE =		CHECKED - CRH		REVISED -							CONTRACT NO. 62V17						
	PLOT DATE = 6/28/2024		DATE - 2/9/2024		REVISED -			SCALE: 1" = 50'				SHEET 5	OF 69	SHEETS	STA.	TO STA.		



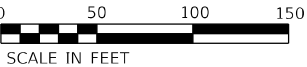
ITS-05

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NOTES:

- DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.
- SEE DET-02 FOR WORK AT REVLAC BUILDING "E".
- DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-B2.
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12"SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 8/6/2024	DATE - 2/9/2024	REVISED -

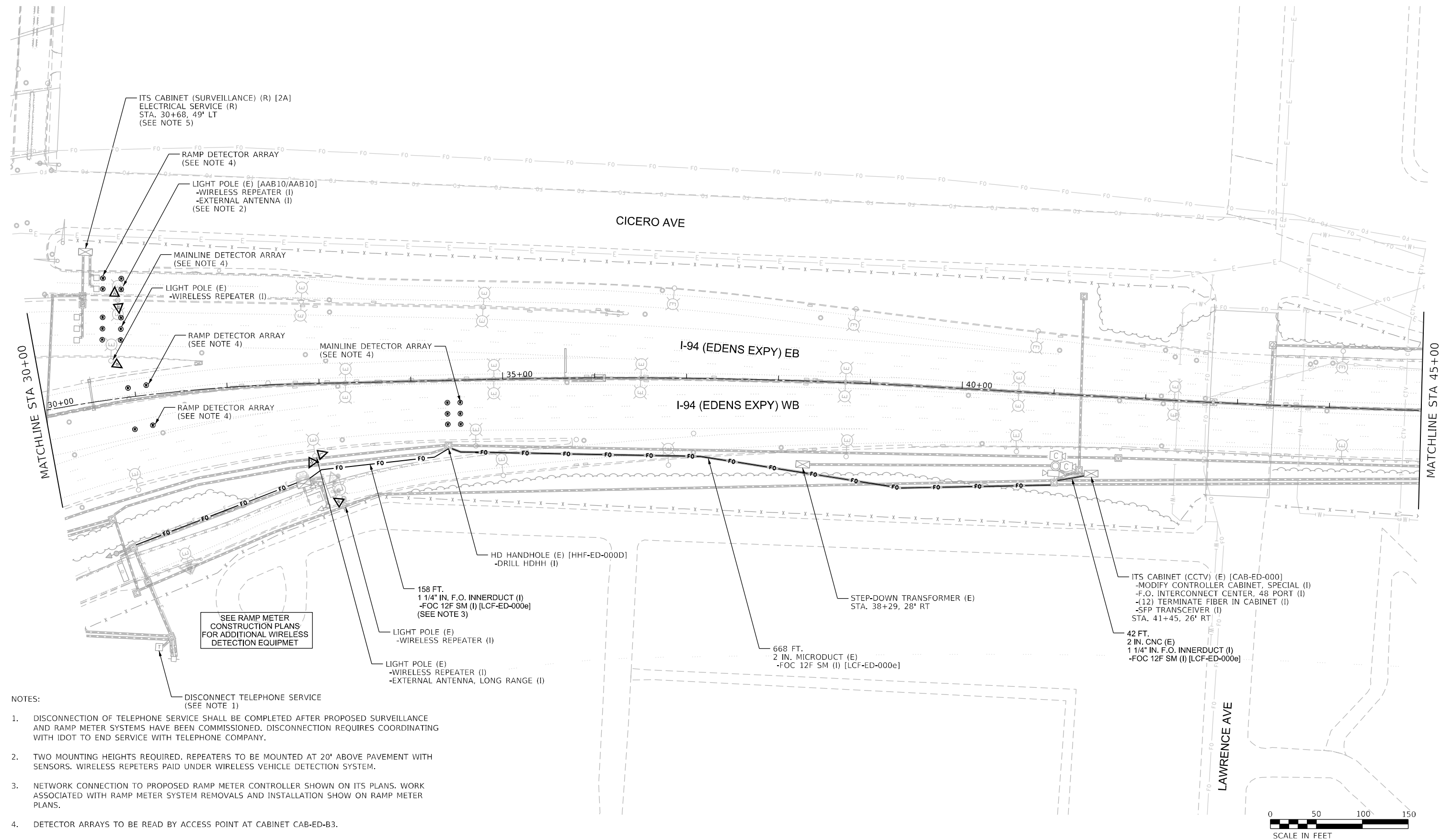
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 1

SCALE: 1" = 50' SHEET 6 OF 69 SHEETS STA. 15+00 TO STA. 30+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK/LAKE	208	30
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-06



- NOTES:
- DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.
 - TWO MOUNTING HEIGHTS REQUIRED. REPEATERS TO BE MOUNTED AT 20' ABOVE PAVEMENT WITH SENSORS. WIRELESS REPETERS PAID UNDER WIRELESS VEHICLE DETECTION SYSTEM.
 - NETWORK CONNECTION TO PROPOSED RAMP METER CONTROLLER SHOWN ON ITS PLANS. WORK ASSOCIATED WITH RAMP METER SYSTEM REMOVALS AND INSTALLATION SHOW ON RAMP METER PLANS.
 - DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-B3.
 - RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 8/6/2024	DATE - 2/9/2024	REVISED -

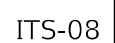
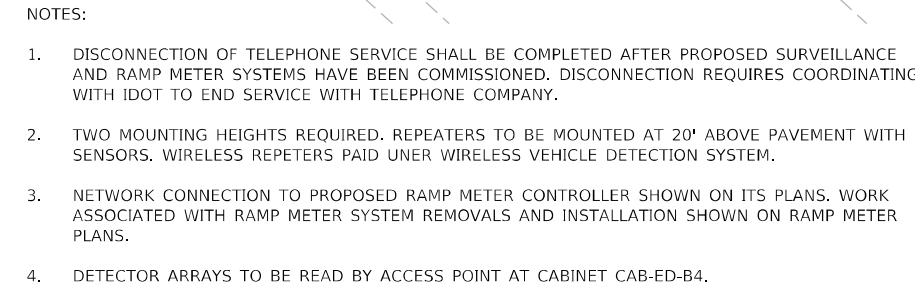
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 1 (CONT.)

SCALE: 1" = 50' SHEET 7 OF 69 SHEETS STA. 30+00 TO STA. 45+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	31
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-07





Jacobs

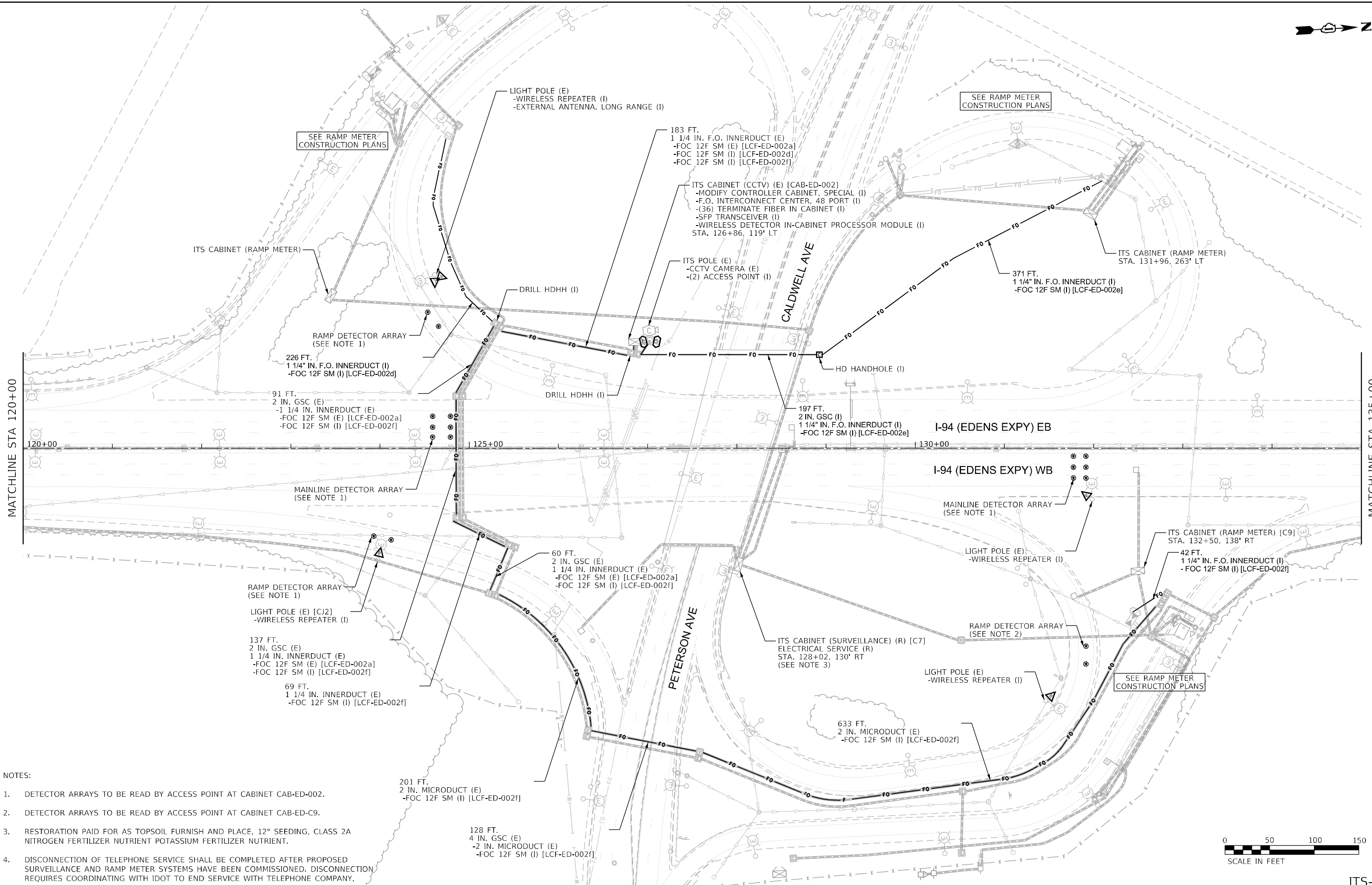
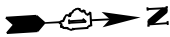
USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 4**

SCALE: 1" = 50'	SHEET 10 OF 69 SHEETS	STA. 75+00 TO STA. 90+00
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	34
		CONTRACT NO. 62V17		
	ILLINOIS	FED. AID PROJECT		



- NOTES:
- DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-002.
 - DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-C9.
 - RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
 - DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
DRAWN - MPK	REVISED -	
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 8/6/2024	DATE - 2/9/2024	REVISED -

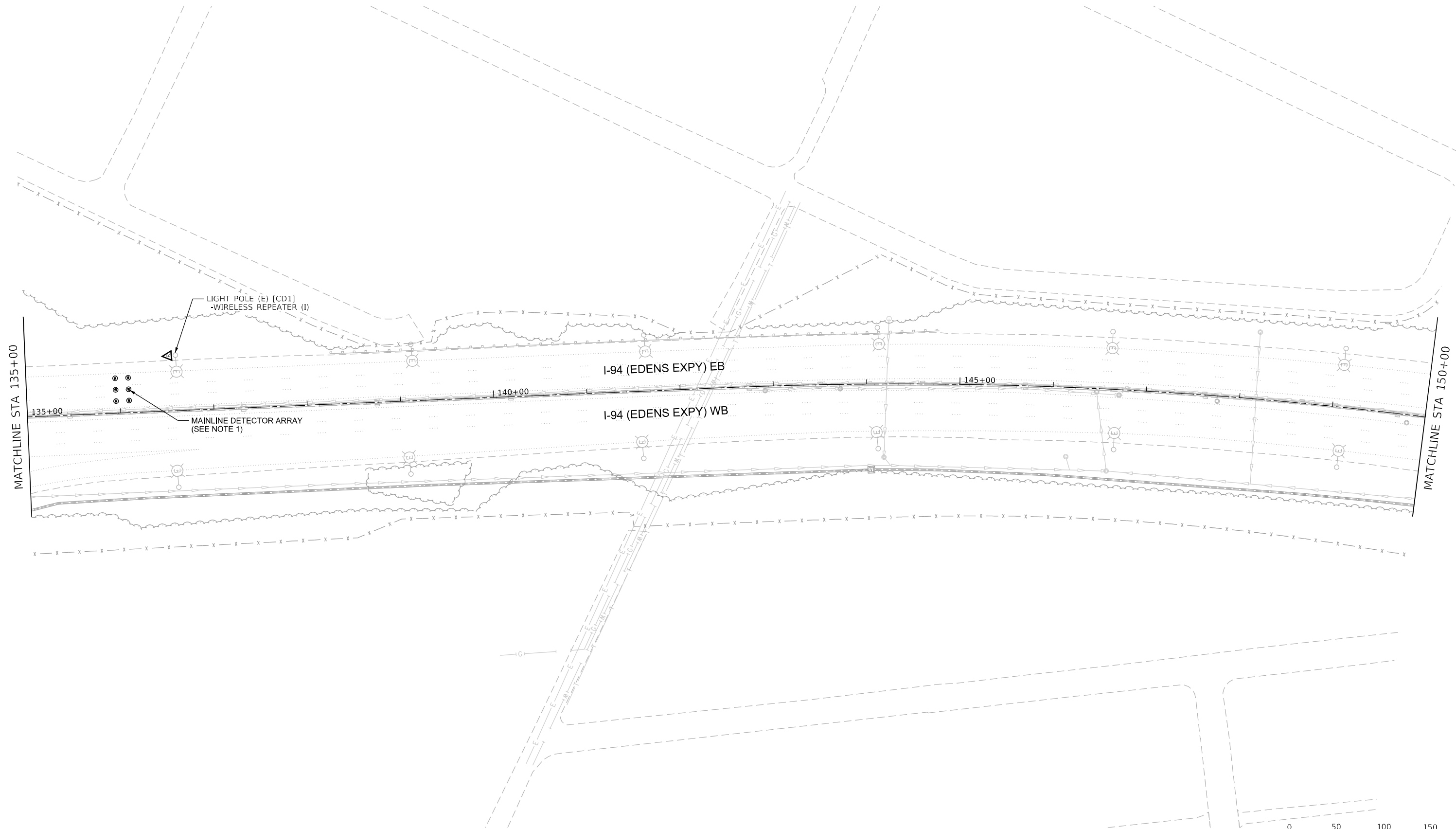
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 7

SCALE: 1" = 50' SHEET 13 OF 69 SHEETS STA. 120+00 TO STA. 135+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	37
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-13



- NOTES:
- DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-002.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

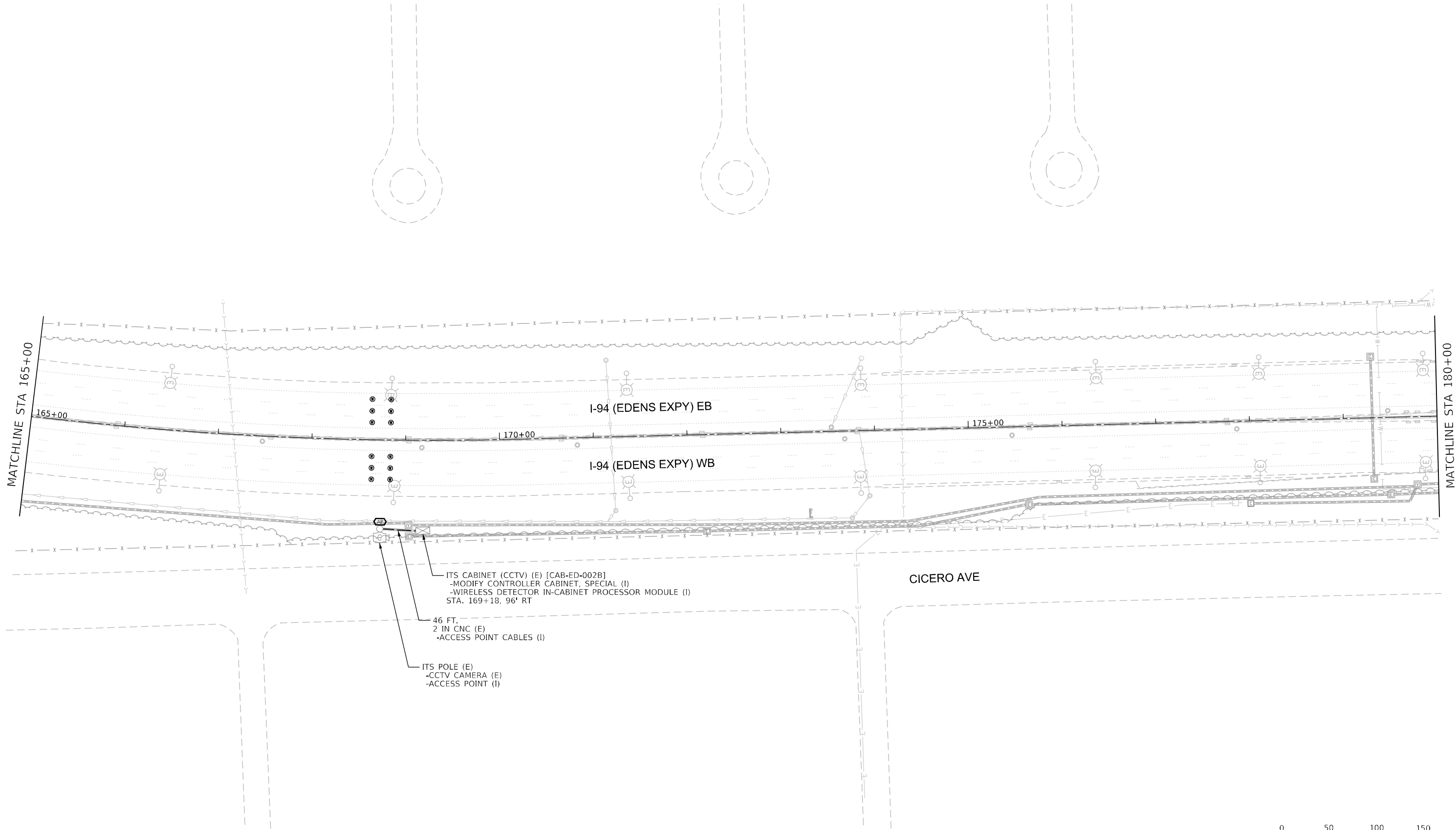
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 7 (CONT.)

SCALE: 1" = 50' SHEET 14 OF 69 SHEETS STA. 135+00 TO STA. 150+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	38
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-14



ITS-16



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

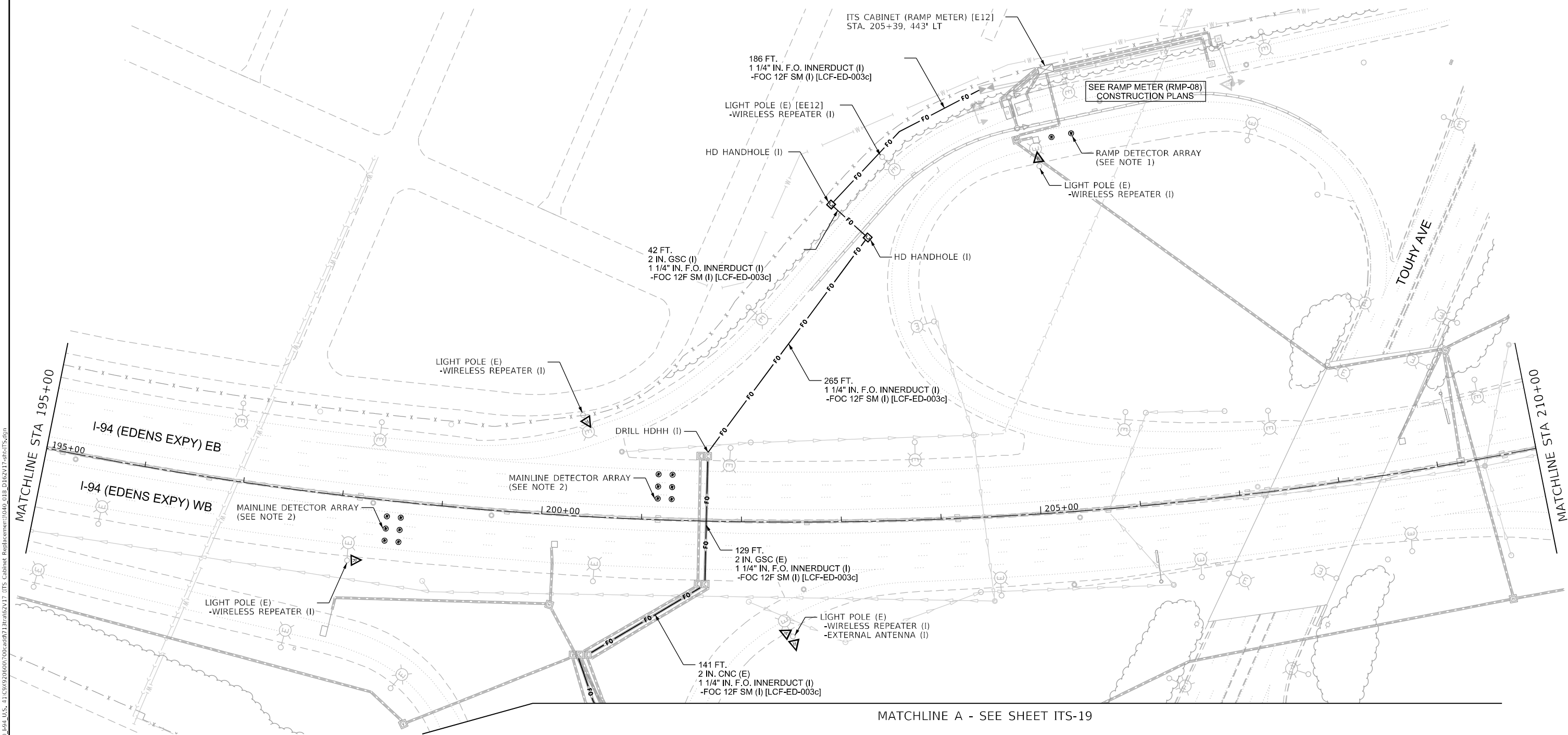
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 9

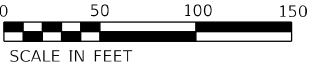
SCALE: 1" = 50' SHEET 16 OF 69 SHEETS STA. 165+00 TO STA. 180+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	40
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

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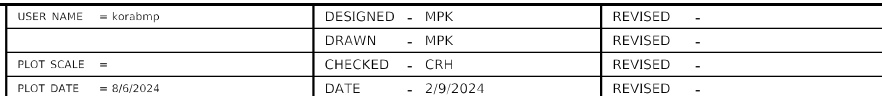


- NOTES:
- DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-E14.
 - DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-E15.



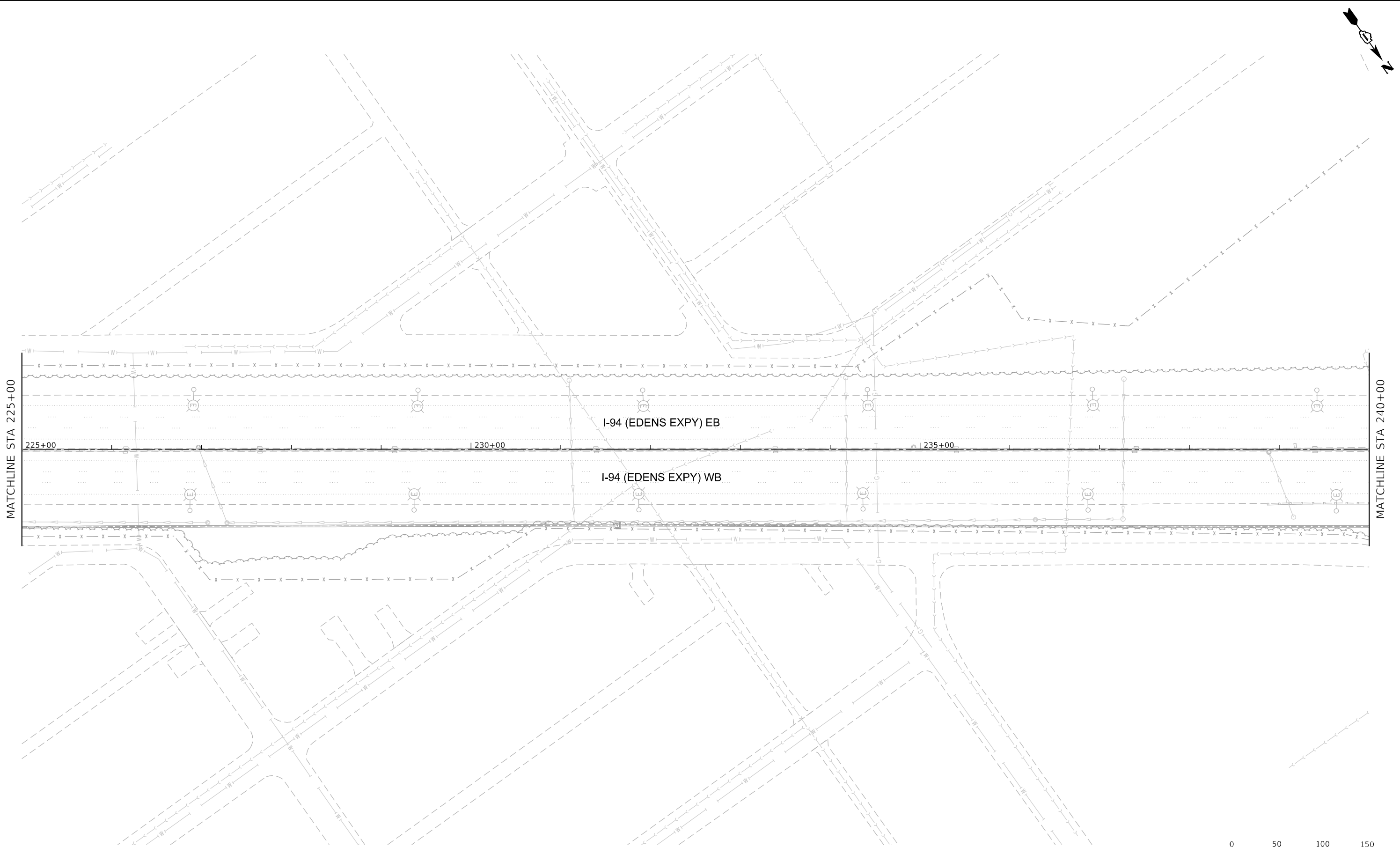
ITS-18

Jacobs	USER NAME = korabmp		DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS SURVEILLANCE LOCATION 11			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MPK		CHECKED - CRH	REVISED -		SCALE: 1" = 50'			94/41	FAP 0346 23 SIGN	COOK	208	42
	PLOT SCALE =		DATE - 2/9/2024	REVISED -		SHEET 18 OF 69 SHEETS			CONTRACT NO. 62V17				
	PLOT DATE = 8/6/2024					STA. 195+00 TO STA. 210+00			ILLINOIS FED. AID PROJECT				

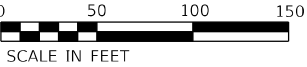


F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	43
		CONTRACT NO. 62V17		
ILLINOIS		FED. AID PROJECT		

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- NOTES:
- NO PROPOSED WORK ON THIS SHEET.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

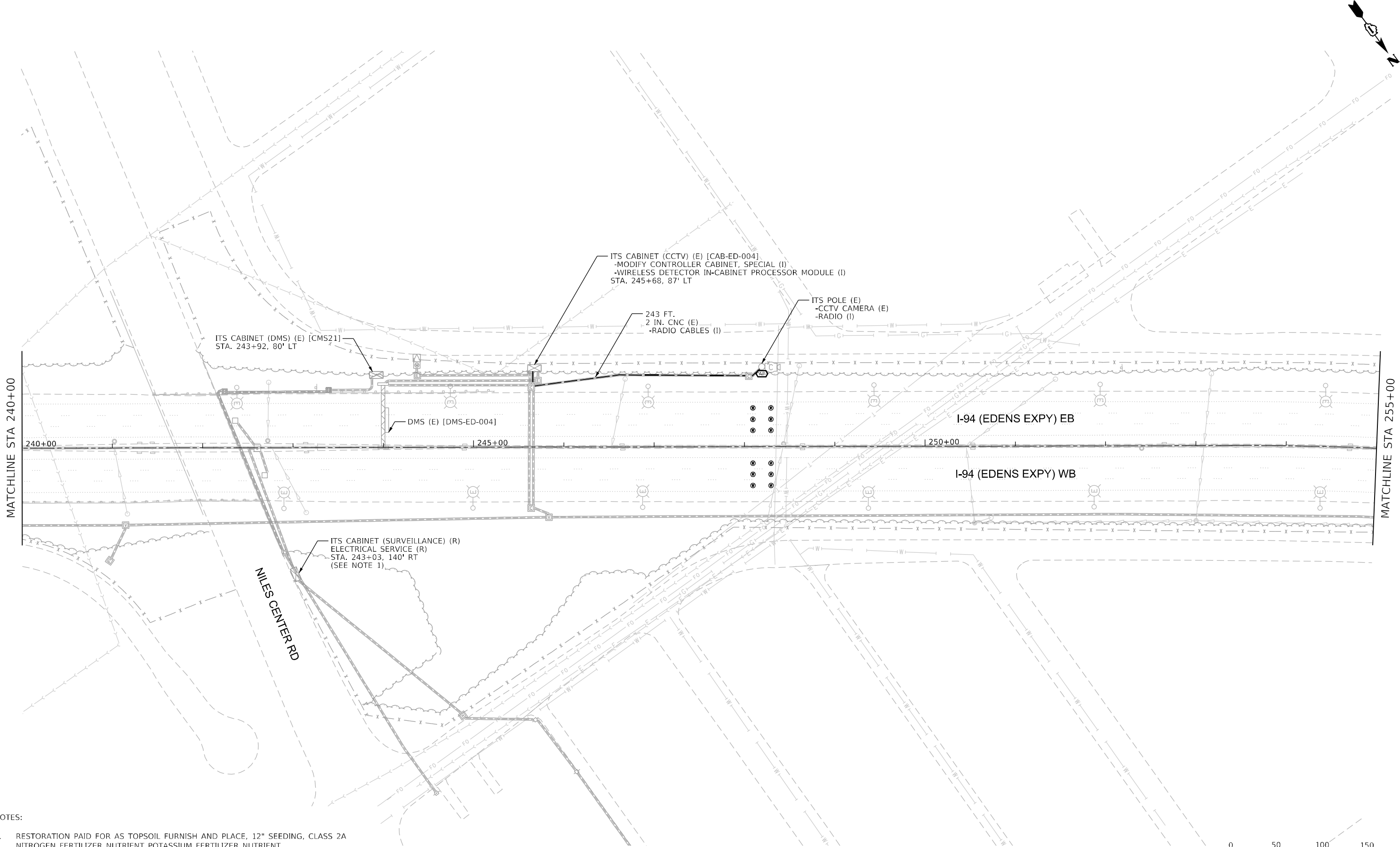
INTELLIGENT TRANSPORTATION SYSTEMS

SCALE: 1" = 50' SHEET 21 OF 69 SHEETS STA. 225+00 TO STA. 240+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	45
			CONTRACT NO. 62V17	
		ILLINOIS	FED. AID PROJECT	

ITS-21

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- NOTES:
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
 - DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.

Jacobs

USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

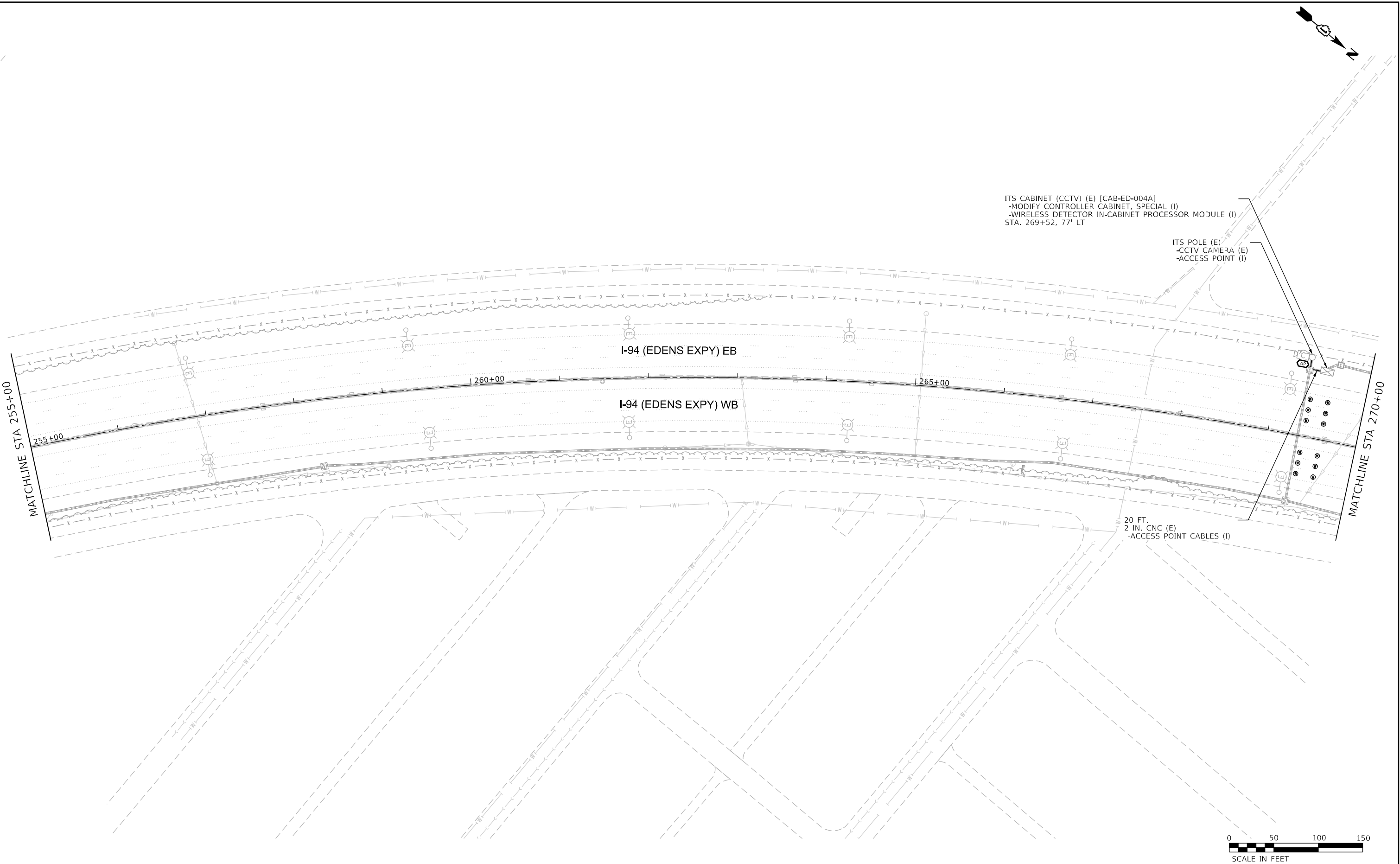
INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 12

SCALE: 1" = 50' SHEET 22 OF 69 SHEETS STA. 240+00 TO STA. 255+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	46
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-22

p:\proj\sect\illiana\er_jacobs.com\illDocuments\COX20600_L94_U.S._41\COX20600\708\cad\713ra\62V17 ITS Cabinet Redesigner\0440_023_D162V17-shr-ITS.dgn



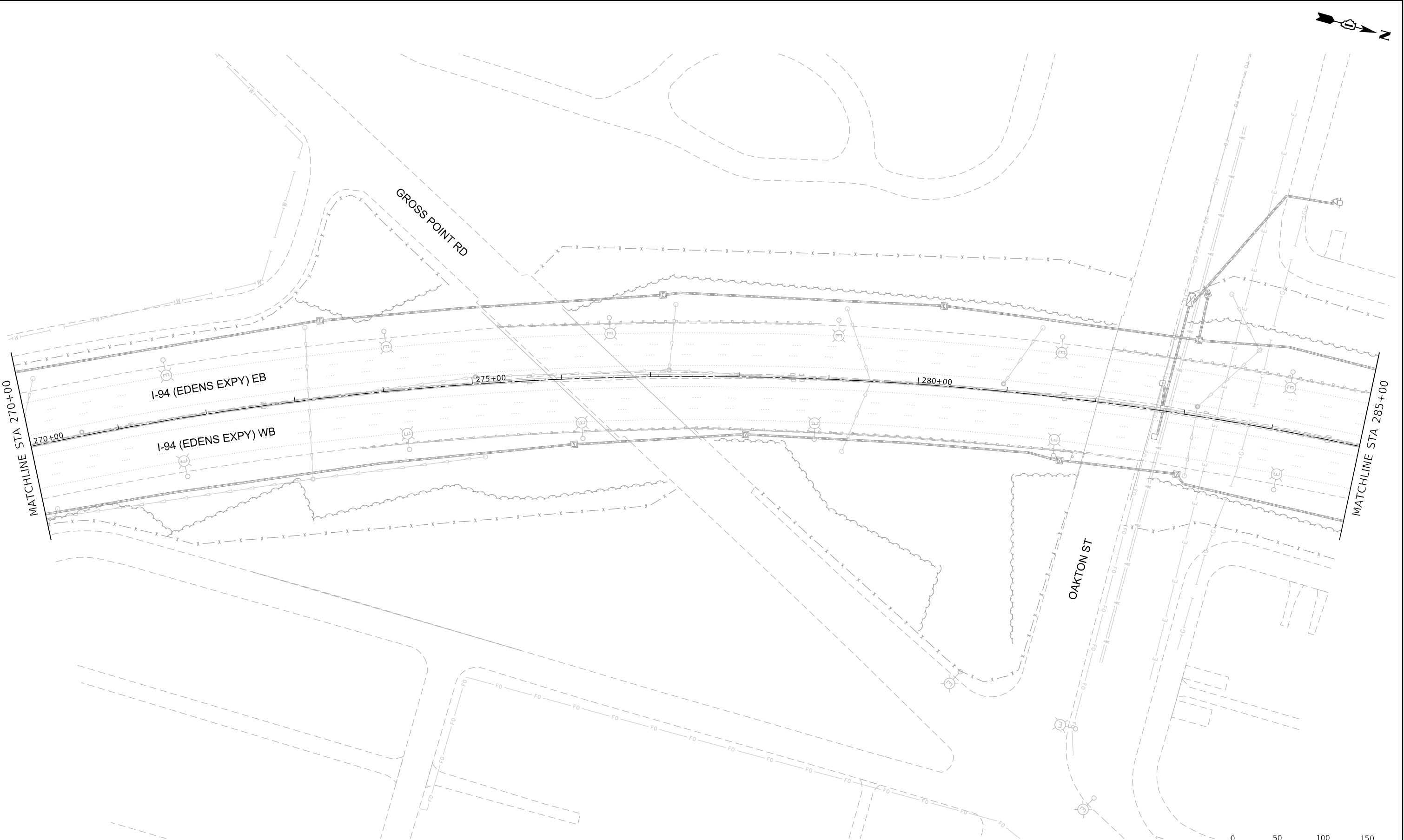
USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

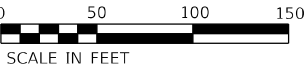
INTELLIGENT TRANSPORTATION SYSTEMS SURVEILLANCE LOCATION 13			
SCALE: 1" = 50'	SHEET 23 OF 69 SHEETS	STA. 255+00	TO STA. 270+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	47
CONTRACT NO. 62V17				
ILLINOIS		FED. AID PROJECT		

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- NOTES:
1. NO PROPOSED WORK ON THIS SHEET.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

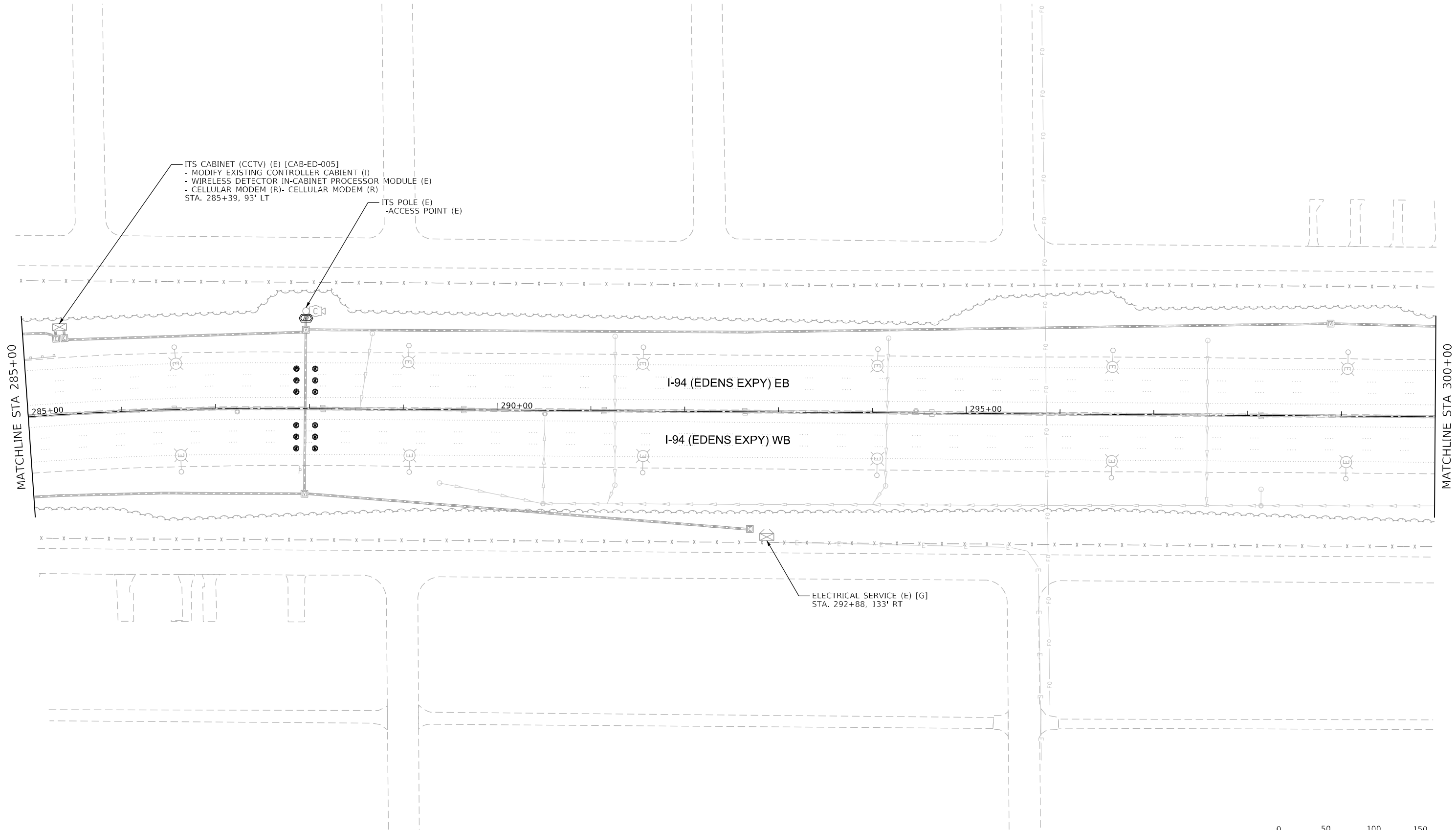
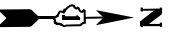
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS

SCALE: 1" = 50' SHEET 24 OF 69 SHEETS STA. 270+00 TO STA. 285+00

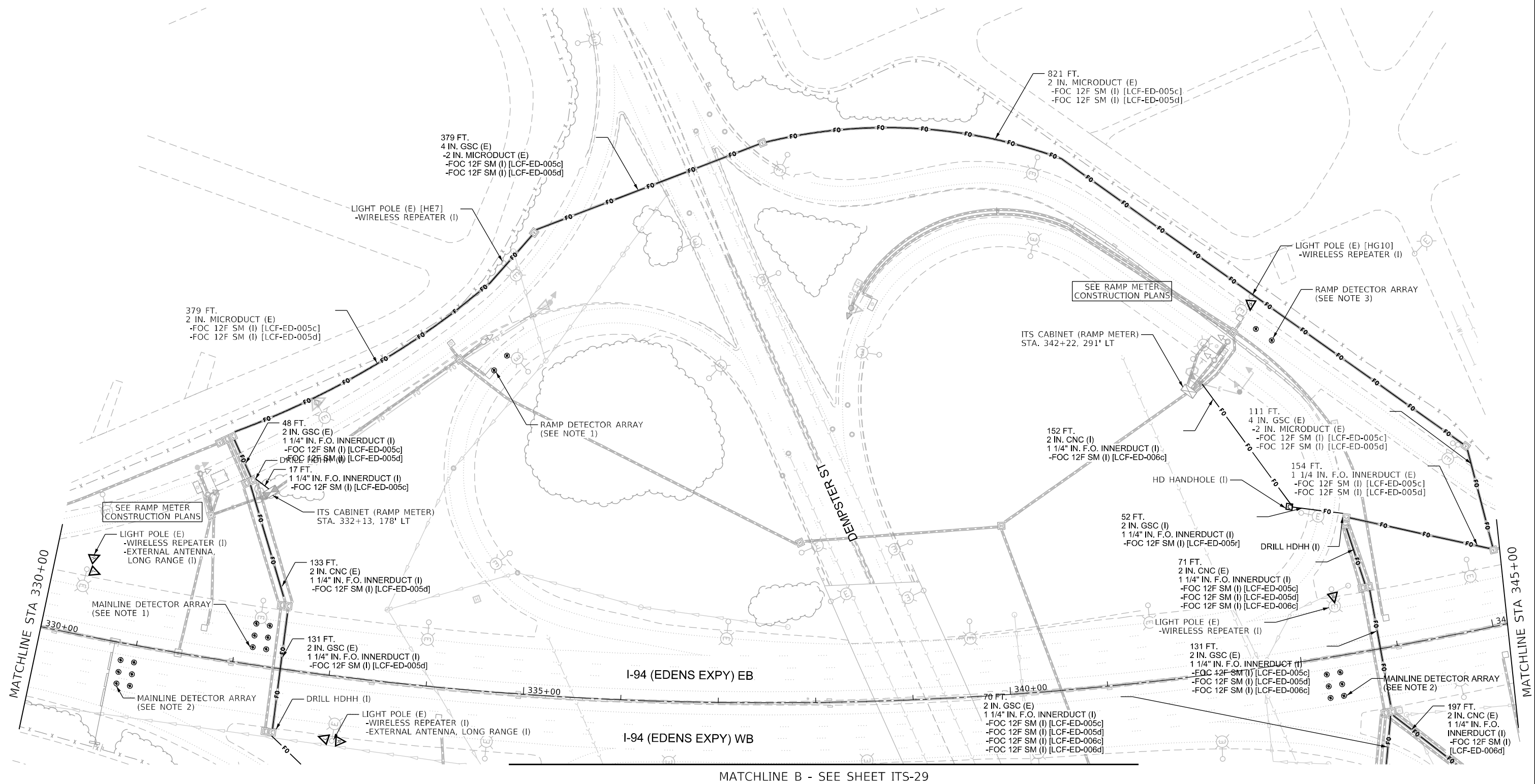
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	48
CONTRACT NO. 62V17				
		ILLINOIS	FED. AID PROJECT	

ITS-24



ITS-25

	USER NAME = korabmp	DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS SURVEILLANCE LOCATION 14				F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MPK	CHECKED - CRH	REVISED -						94/41	FAP 0346 23 SIGN	COOK	208	49
	PLOT SCALE =	DATE - 2/9/2024	REVISED -		SCALE: 1" = 50'				CONTRACT NO. 62V17				
	PLOT DATE = 6/28/2024				SHEET 25 OF 69 SHEETS				ILLINOIS FED. AID PROJECT				
						STA. 285+00 TO STA. 300+00							



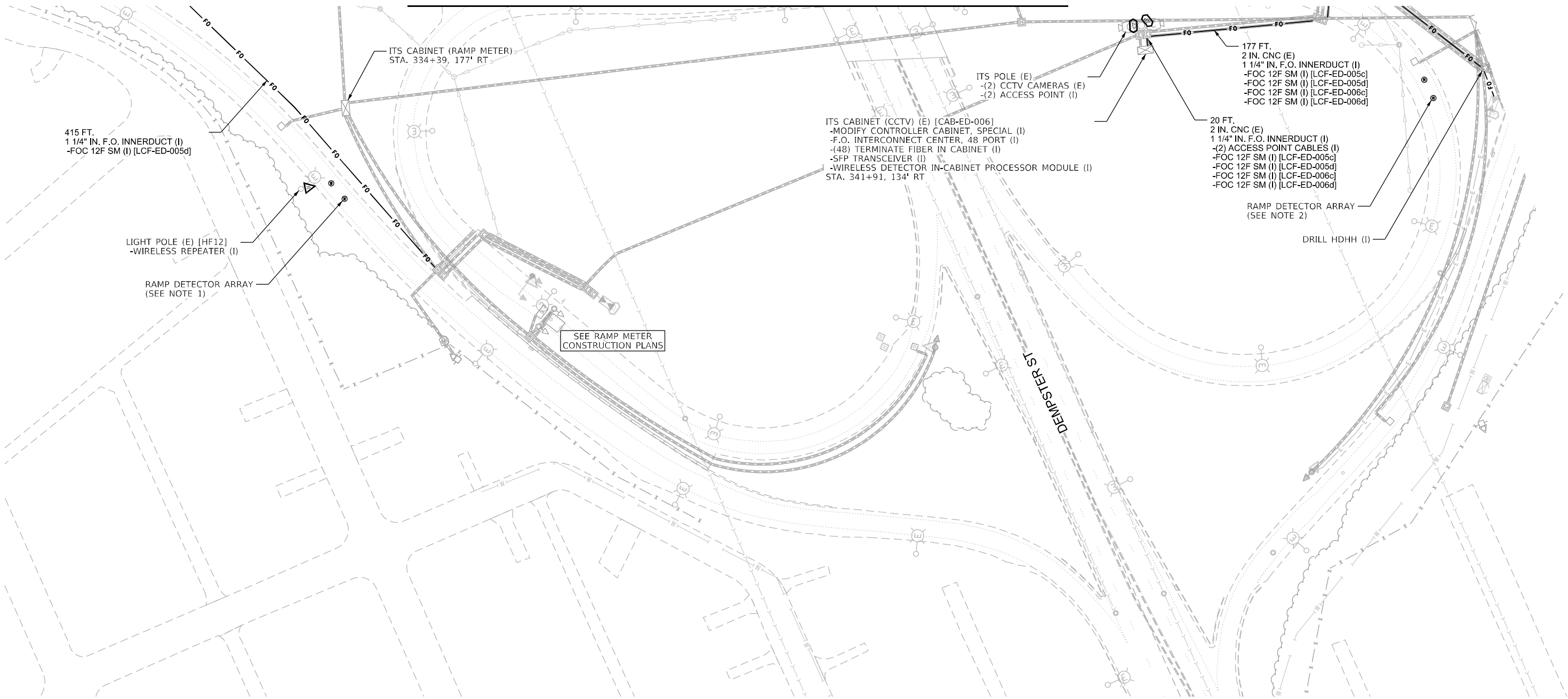
NOTES:

- DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-H22.
- DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-006.
- DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-H24.

0 50 100 150
SCALE IN FEET

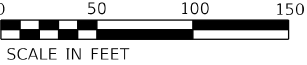


MATCHLINE B - SEE SHEET ITS-28



NOTES:

- DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-006.
- DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-H23.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 8/6/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 16 (CONT.)

SCALE: 1" = 50' SHEET 29 OF 69 SHEETS STA. N/A TO STA. N/A

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	53
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-29

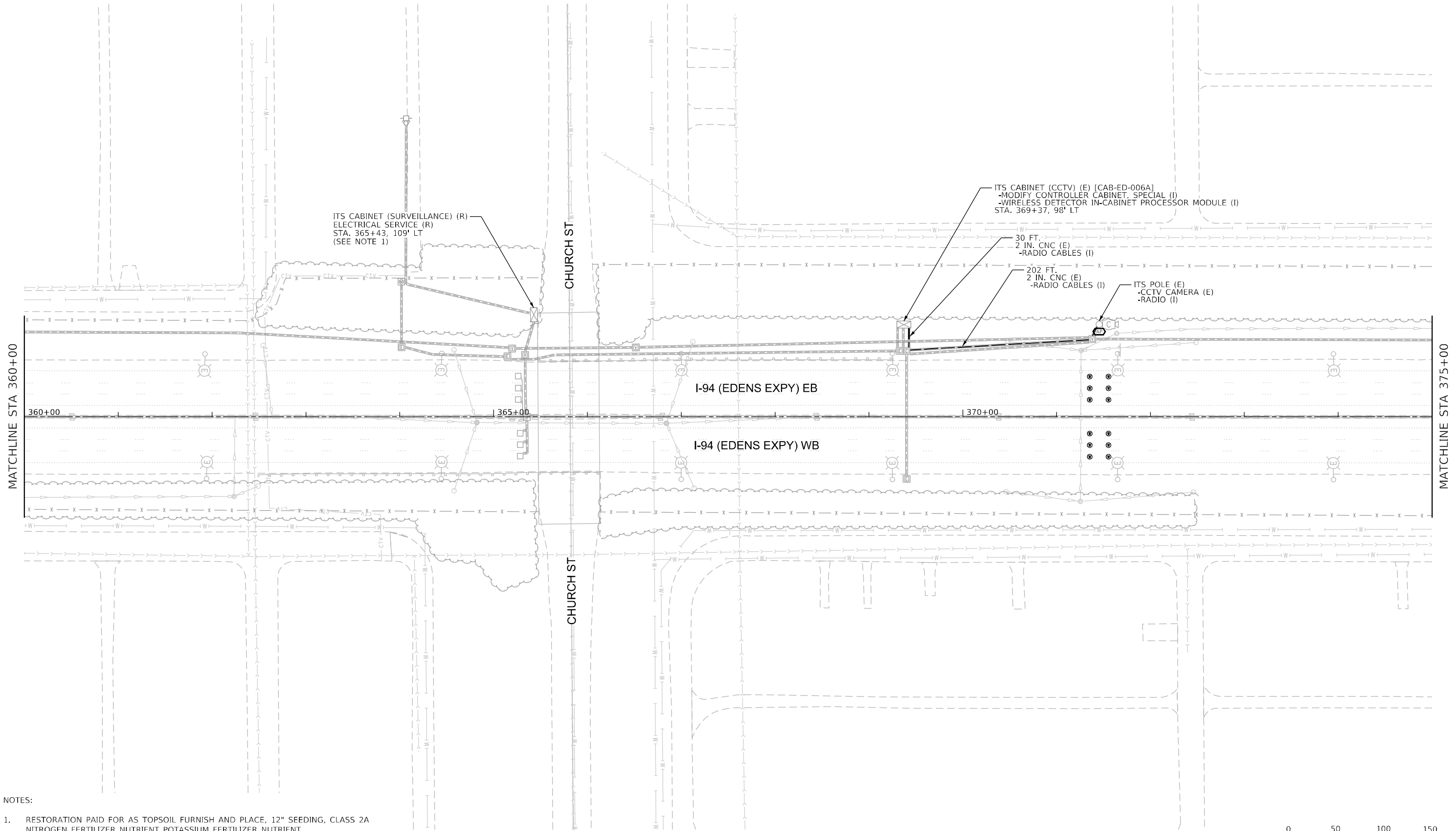


USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

**INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 16 (CONT.)**

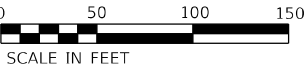
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	54
		CONTRACT NO. 62V17		
ILLINOIS		FED. AID PROJECT		

ITS-30



NOTES:

- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
- DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



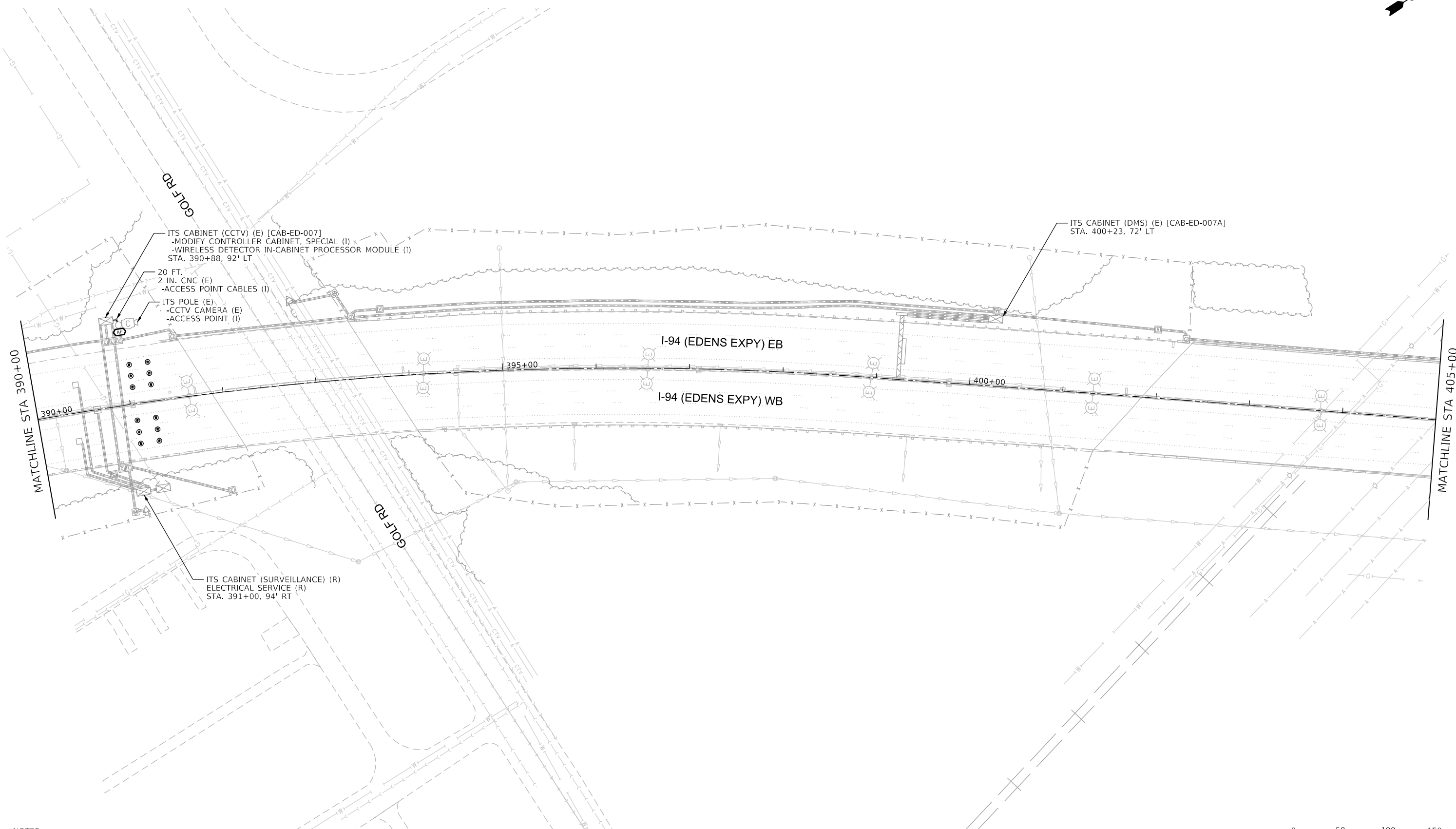
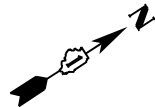
USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

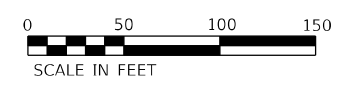
INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 17

SCALE: 1" = 50' SHEET 31 OF 69 SHEETS STA. 360+00 TO STA. 375+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	55
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				



- NOTES:
- DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



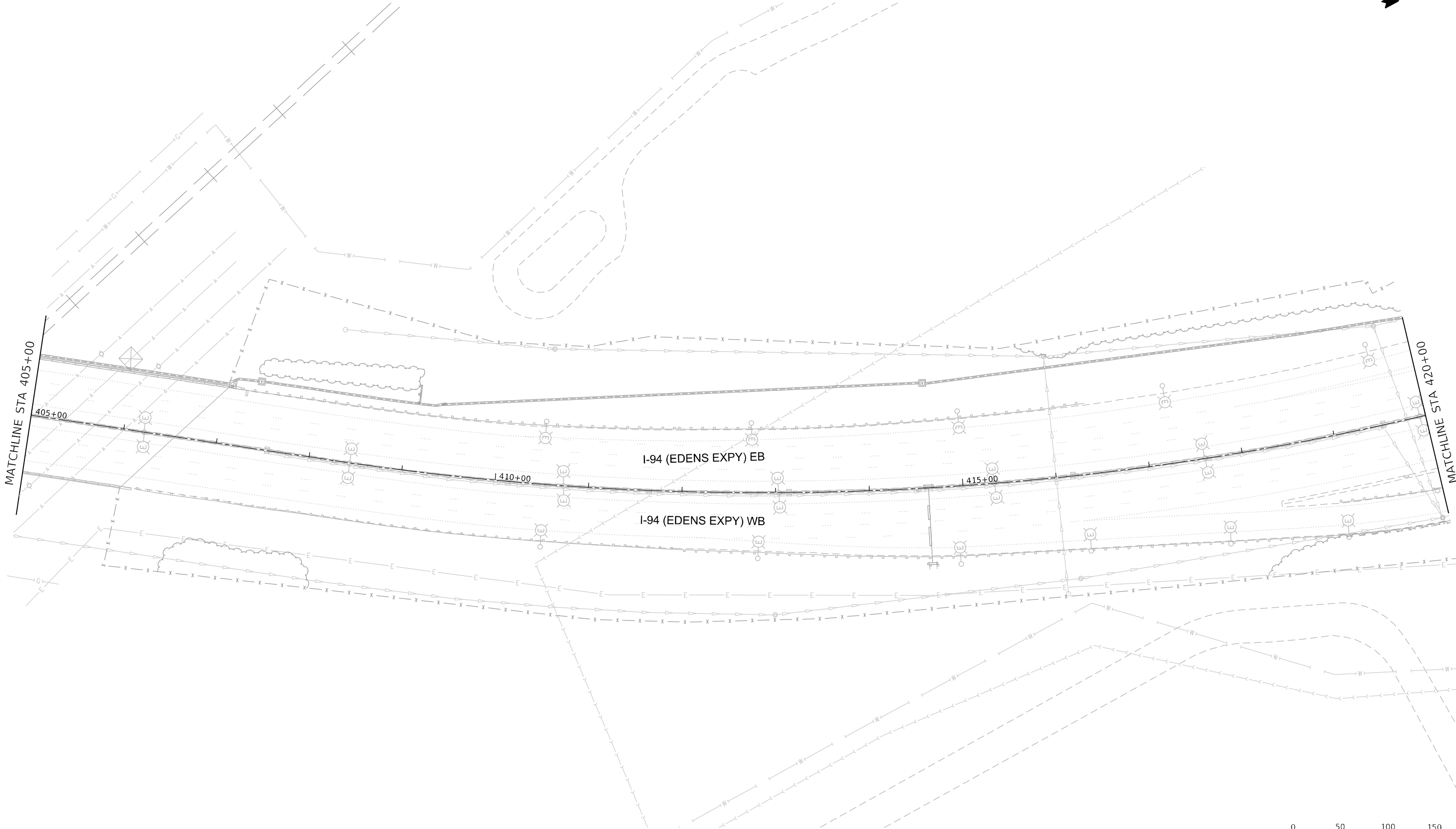
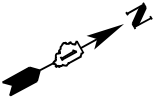
USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS SURVEILLANCE LOCATION 18			
SCALE: 1" = 50'	SHEET 33 OF 69 SHEETS	STA. 390+00	TO STA. 405+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	57
CONTRACT NO. 62V17				
ILLINOIS		FED. AID PROJECT		

ITS-33

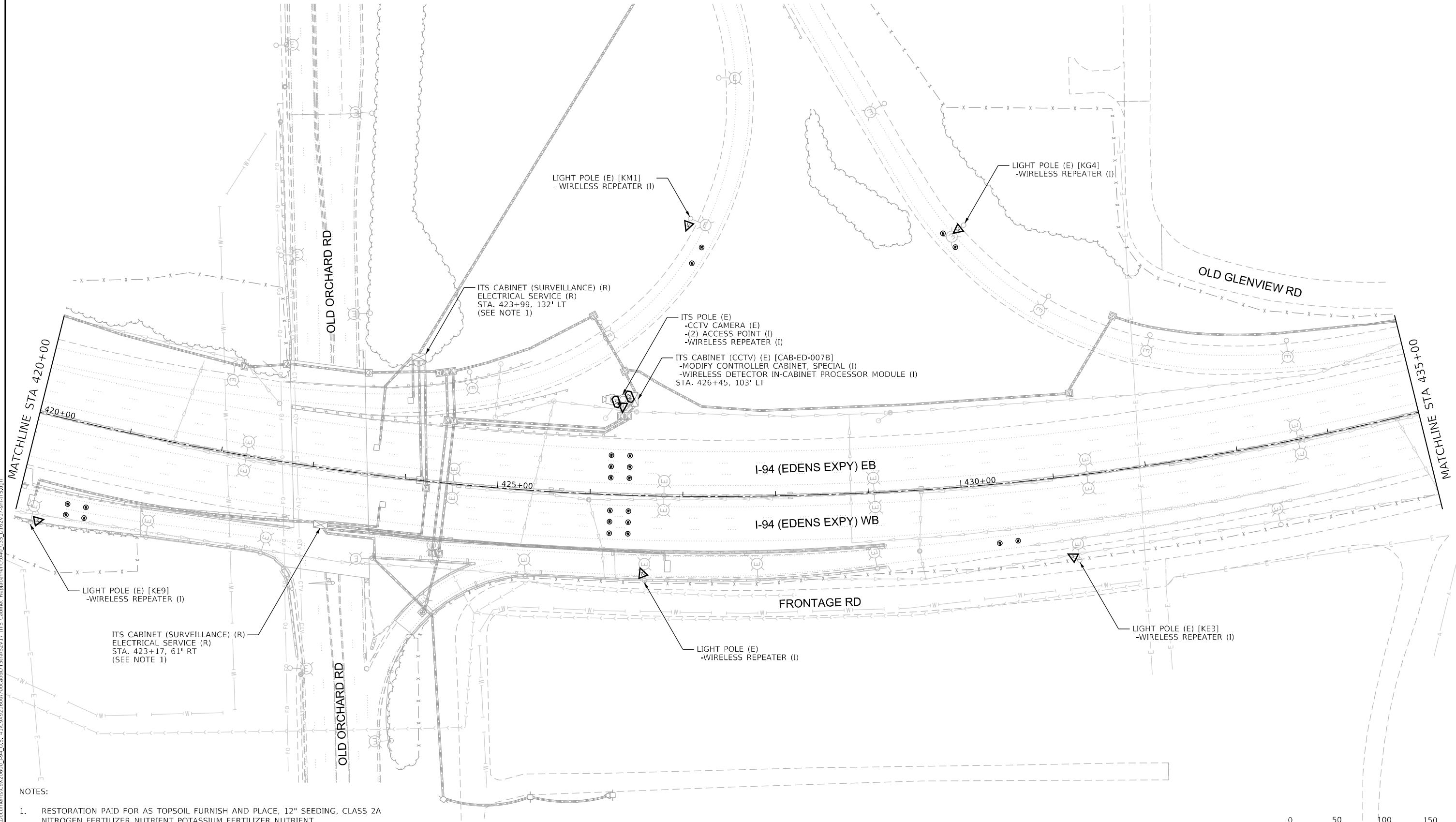
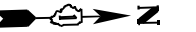


- NOTES:
1. NO PROPOSED WORK ON THIS SHEET.

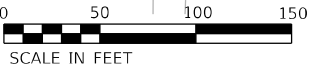


Jacobs	USER NAME = korabmp		DESIGNED - MPK		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS						F.A.I RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.						
	DRAWN - MPK		CHECKED - CRH		REVISED -			94/41	FAP 0346 23 SIGN				COOK	208	58										
	PLOT SCALE =		DATE - 2/9/2024		REVISED -			CONTRACT NO. 62V17																	
	PLOT DATE = 6/28/2024							ILLINOIS FED. AID PROJECT																	
								SCALE: 1" = 50'												SHEET 34	OF 69	SHEETS	STA. 405+00	TO STA. 420+00	

ITS-34



- NOTES:
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
 - DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

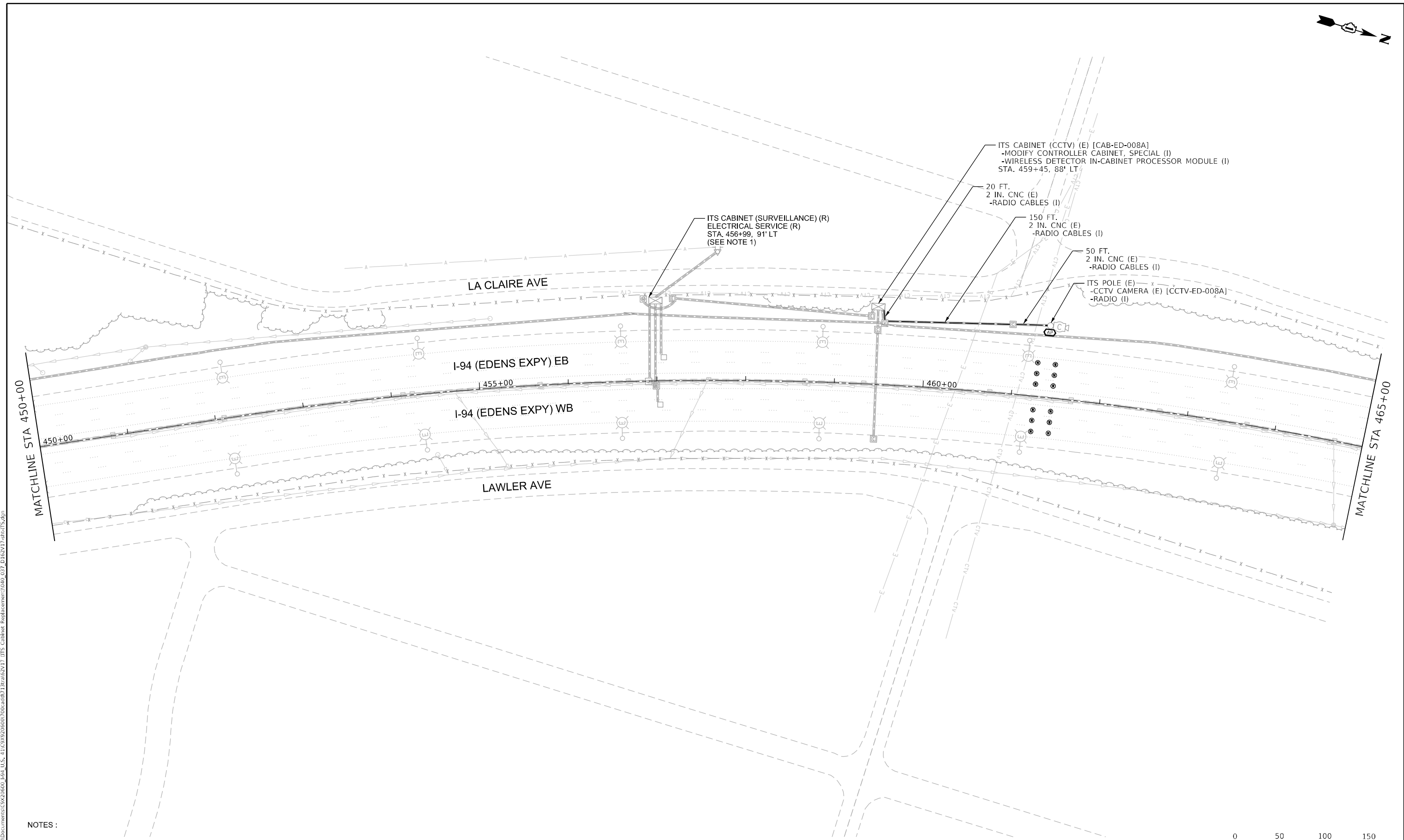
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 19

SCALE: 1" = 50' SHEET 35 OF 69 SHEETS STA. 420+00 TO STA. 435+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	59
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-35



NOTES :

1. RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12"SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
2. DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

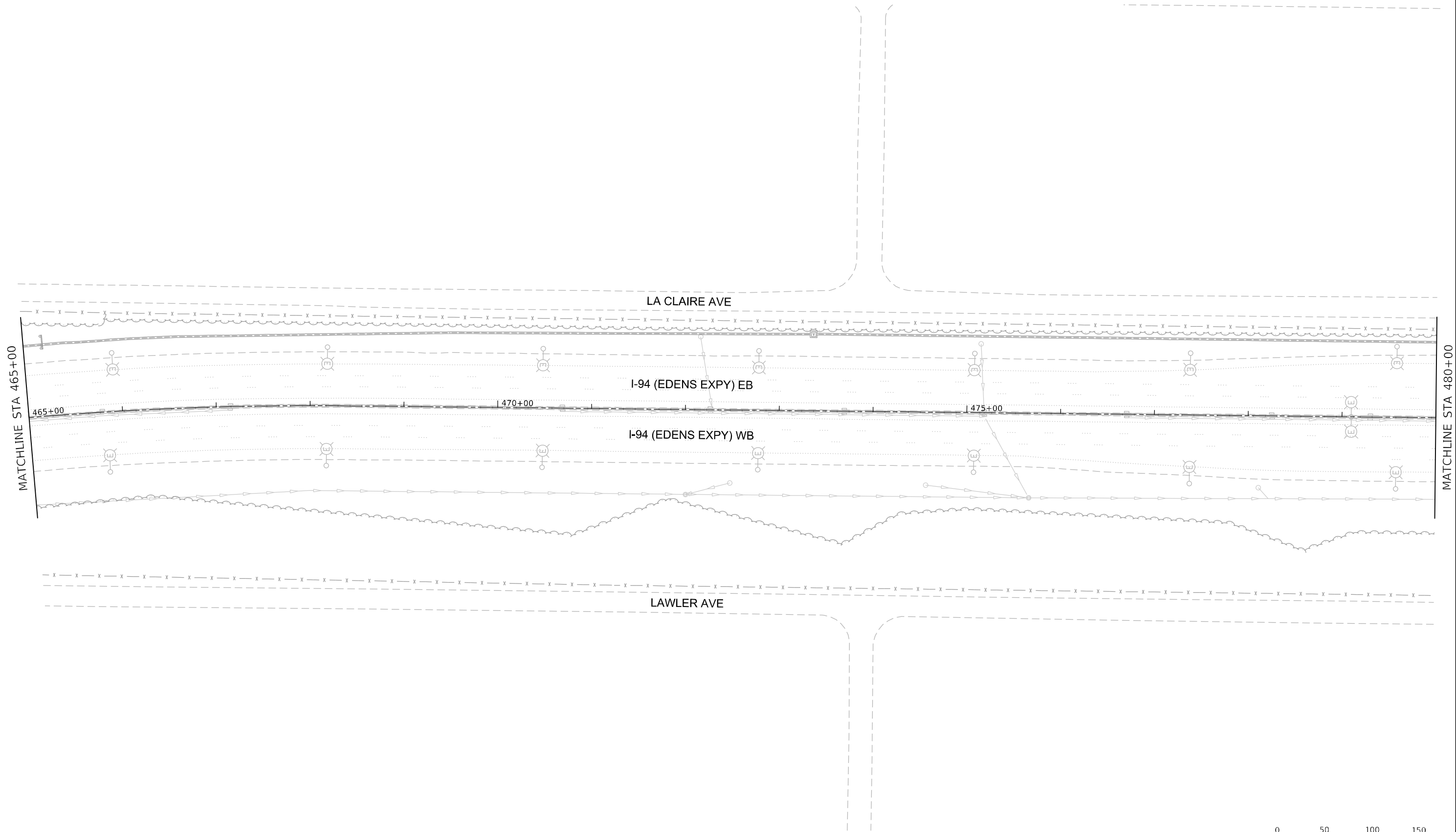
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 20

SCALE: 1" = 50' SHEET 37 OF 69 SHEETS STA. 450+00 TO STA. 465+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	61
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-37



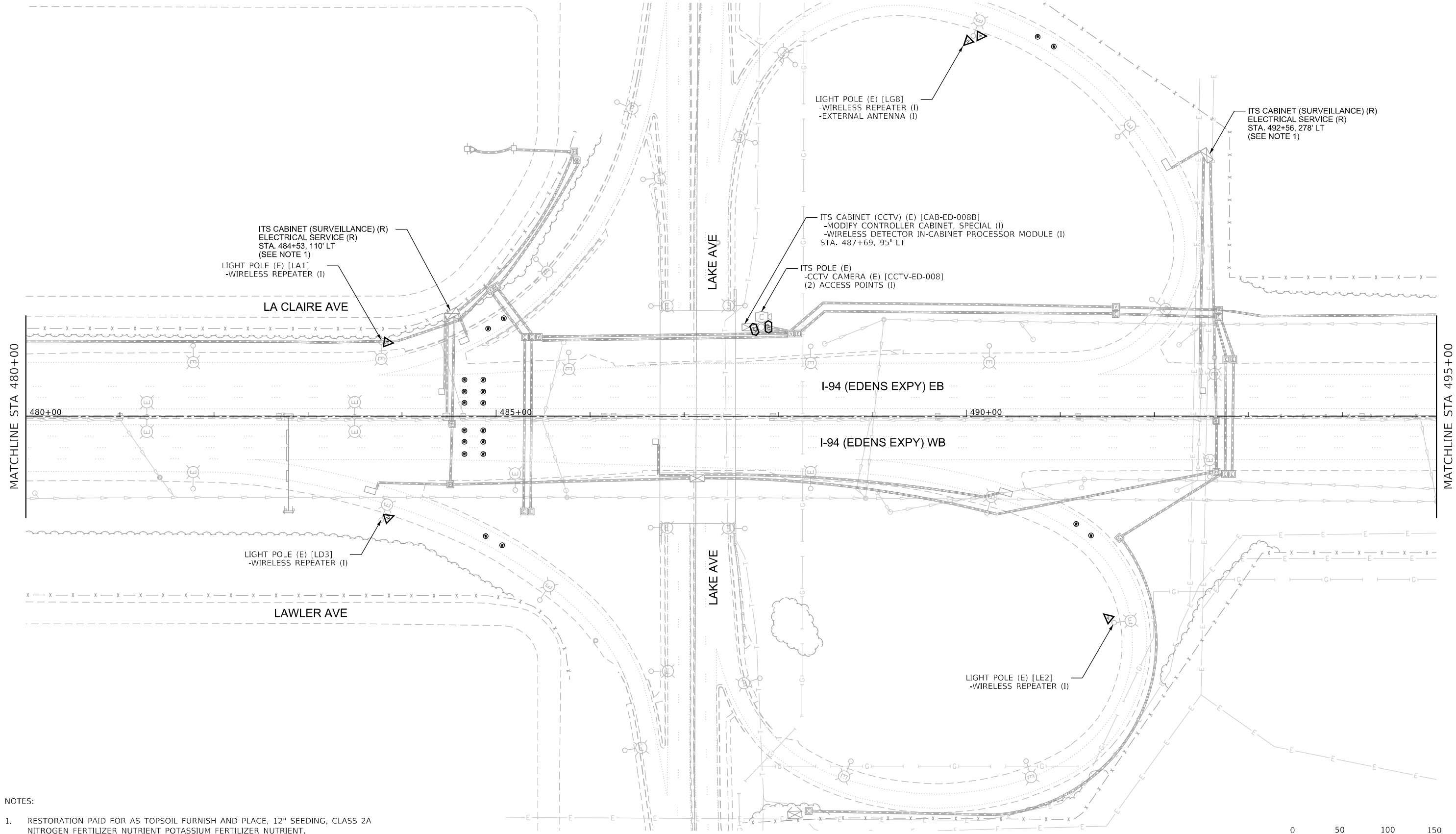
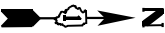
NOTES:

1. NO PROPOSED WORK ON THIS SHEET.

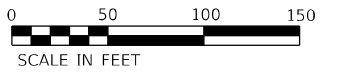


ITS-38

	USER NAME = korabmp	DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MPK	REVISED -						94/41	FAP 0346 23 SIGN	COOK	208	62
	PLOT SCALE =	CHECKED - CRH	REVISED -		SCALE: 1" = 50'				CONTRACT NO. 62V17				
	PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -		SHEET 38 OF 69 SHEETS				STA. 465+00 TO STA. 480+00				
									ILLINOIS		FED. AID PROJECT		



- NOTES:
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
 - DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



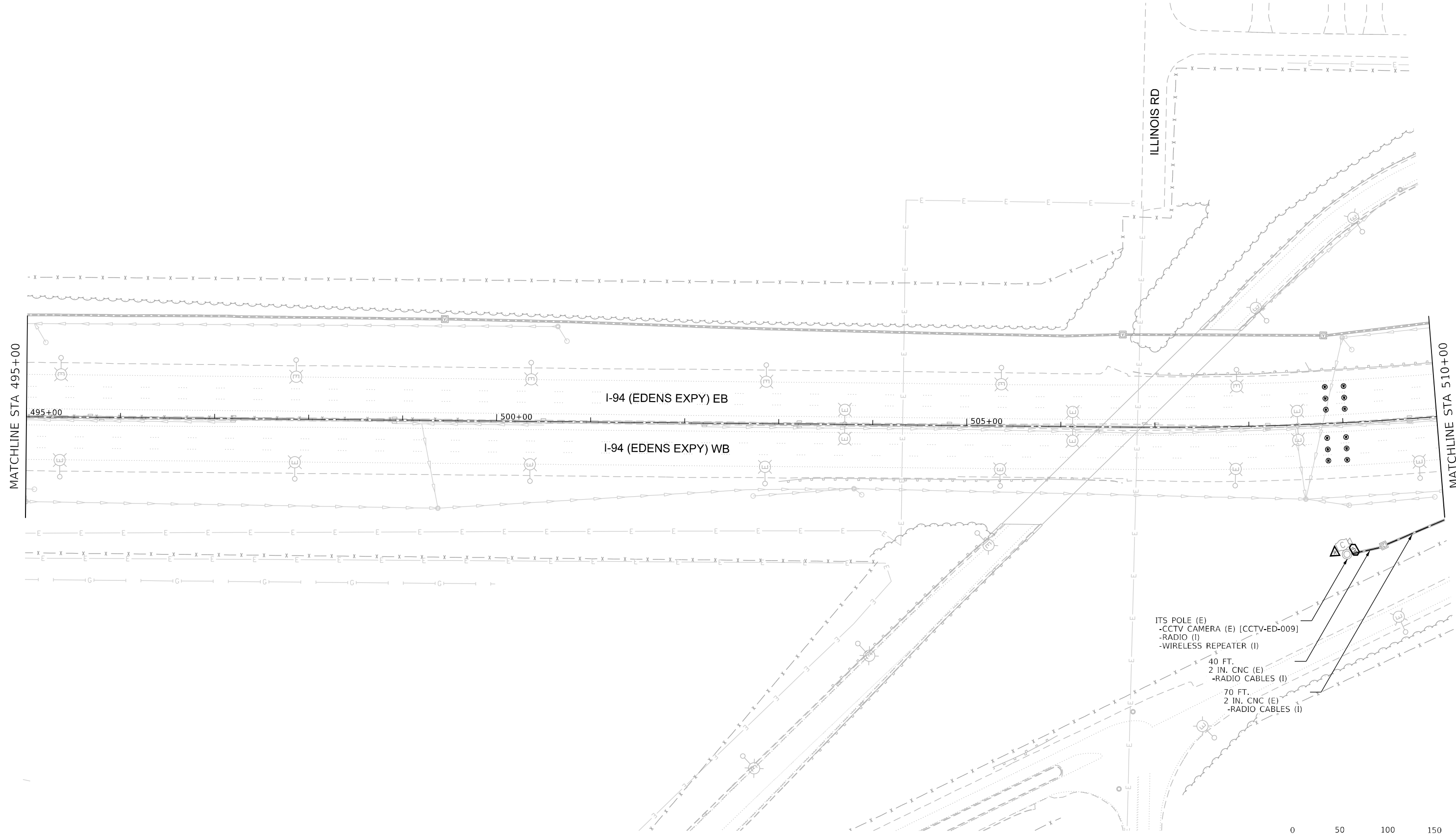
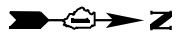
USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS SURVEILLANCE LOCATION 21			
SCALE: 1" = 50'	SHEET 39 OF 69 SHEETS	STA. 480+00 TO STA. 495+00	

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	63
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-39



ITS-40

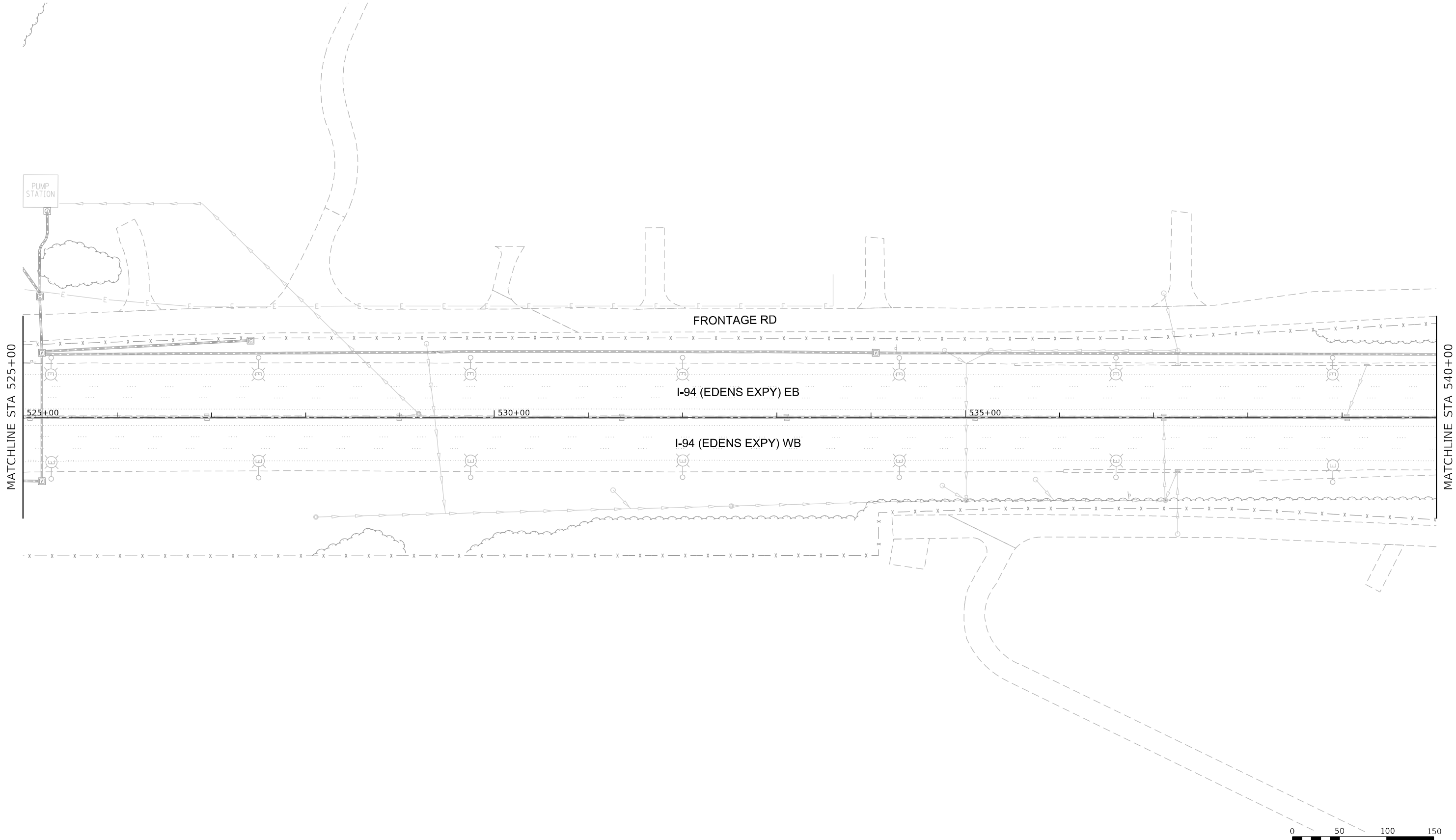


USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

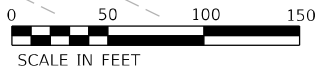
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS SURVEILLANCE LOCATION 22			
SCALE: 1" = 50'	SHEET 40 OF 69 SHEETS	STA. 495+00	TO STA. 510+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	64
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				



- NOTES:
- NO PROPOSED WORK ON THIS SHEET.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

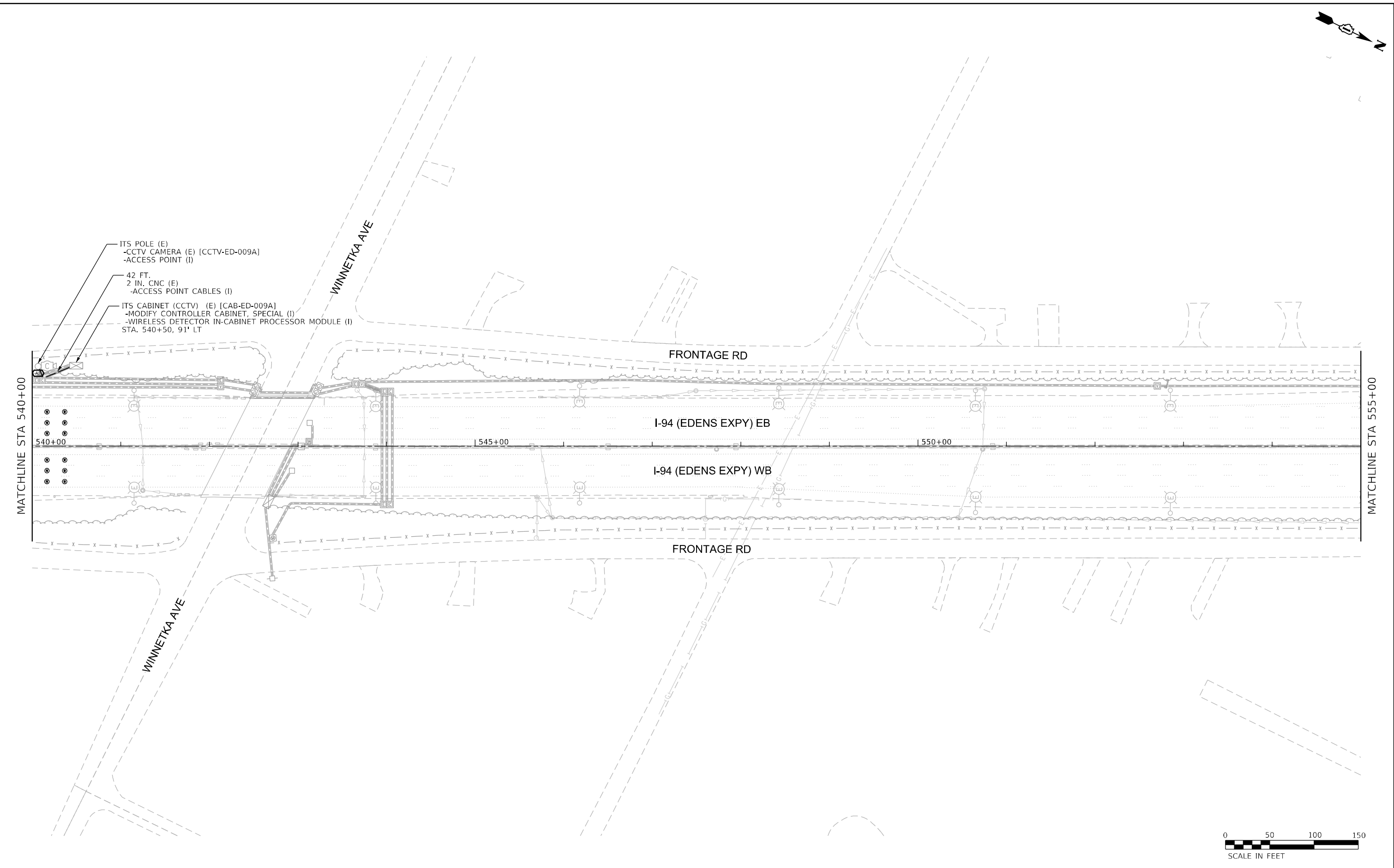
INTELLIGENT TRANSPORTATION SYSTEMS

SCALE: 1" = 50' SHEET 42 OF 69 SHEETS STA. 525+00 TO STA. 540+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	66
CONTRACT NO. 62V17				
ILLINOIS		FED. AID PROJECT		

ITS-42

p:\p\proj\civ\issu\anier_jacobs.com\MapDocuments\COX20600_L94_U.S._41\COX20600\706cad\713ra\62V17 ITS Cabinet Replacement\040_043_D162V17-shr-ITS.dgn



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

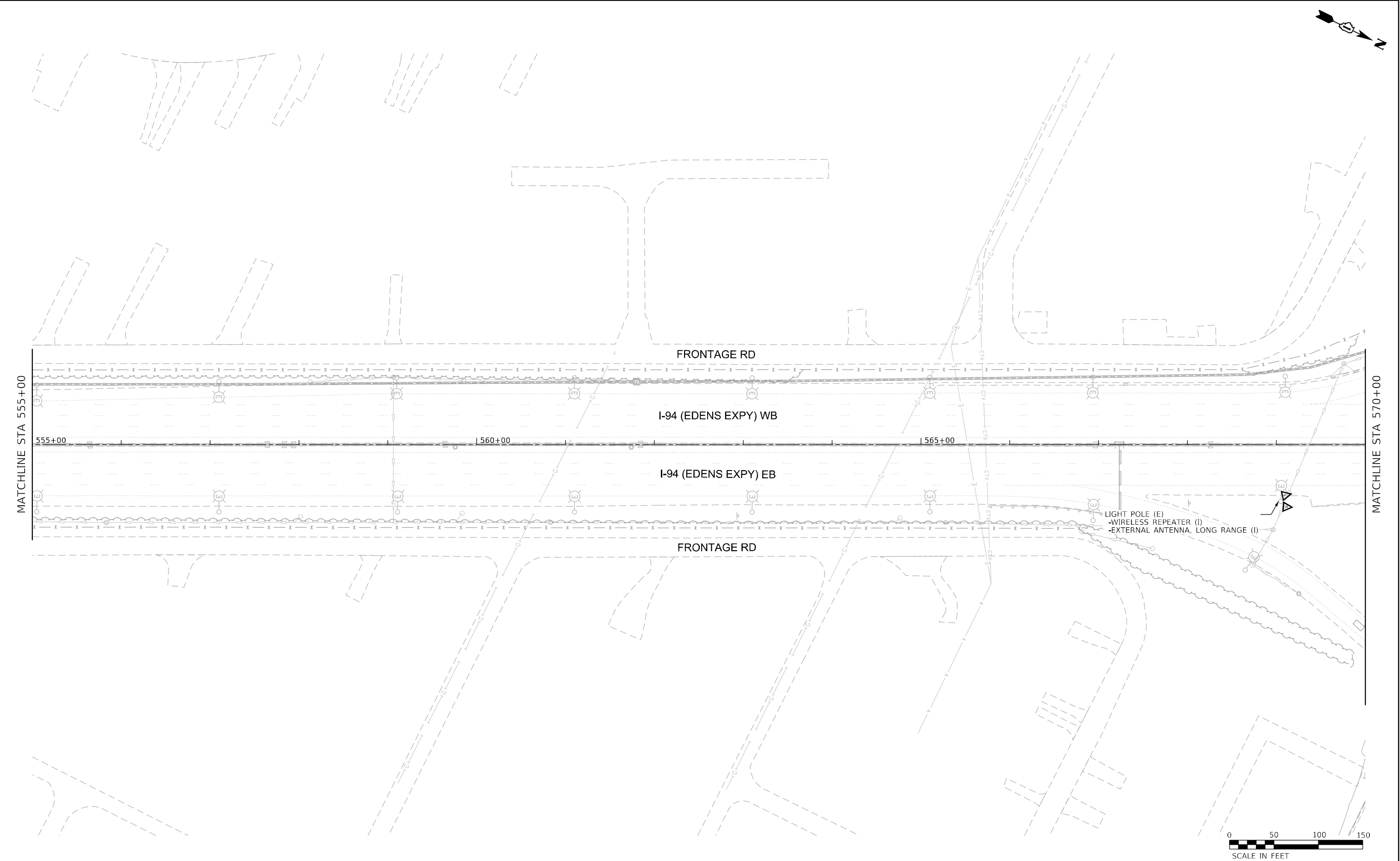
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS SURVEILLANCE LOCATION 23			
SCALE: 1" = 50'	SHEET 43 OF 69 SHEETS	STA. 540+00	TO STA. 555+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	67
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-43

P:\31\Project\BISANIER\Jacobs.com\MapDocuments\COX20600_L94_U.S._41\COX20600\708cadd\713tra062V17 ITS Cabinet Redesigner\0440_044_D1E2V17-shr-ITS.dgn



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

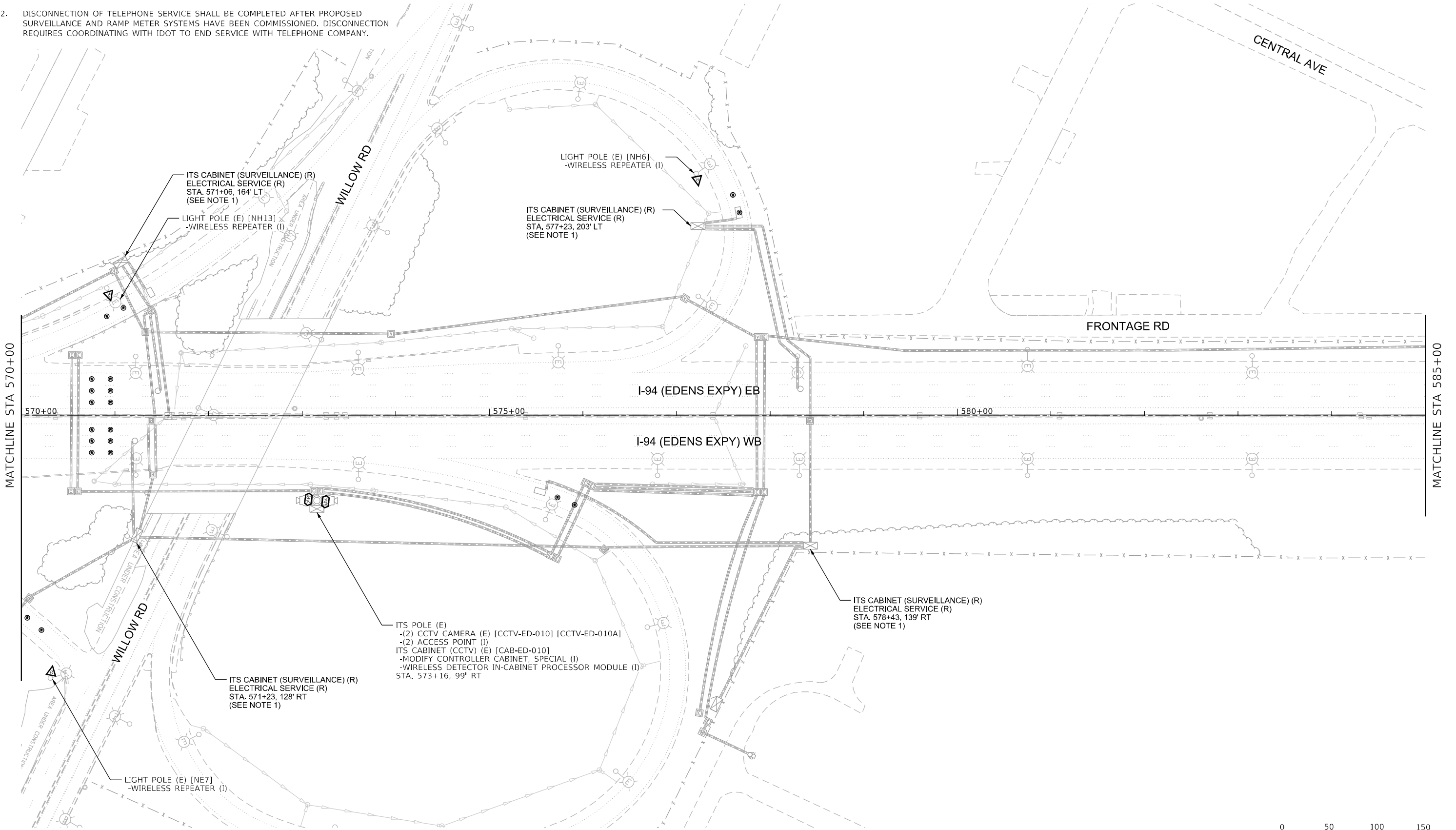
INTELLIGENT TRANSPORTATION SYSTEMS			
SCALE: 1" = 50'	SHEET 44 OF 69 SHEETS	STA. 555+00 TO STA. 570+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	68
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-44

NOTES:

1. RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
2. DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

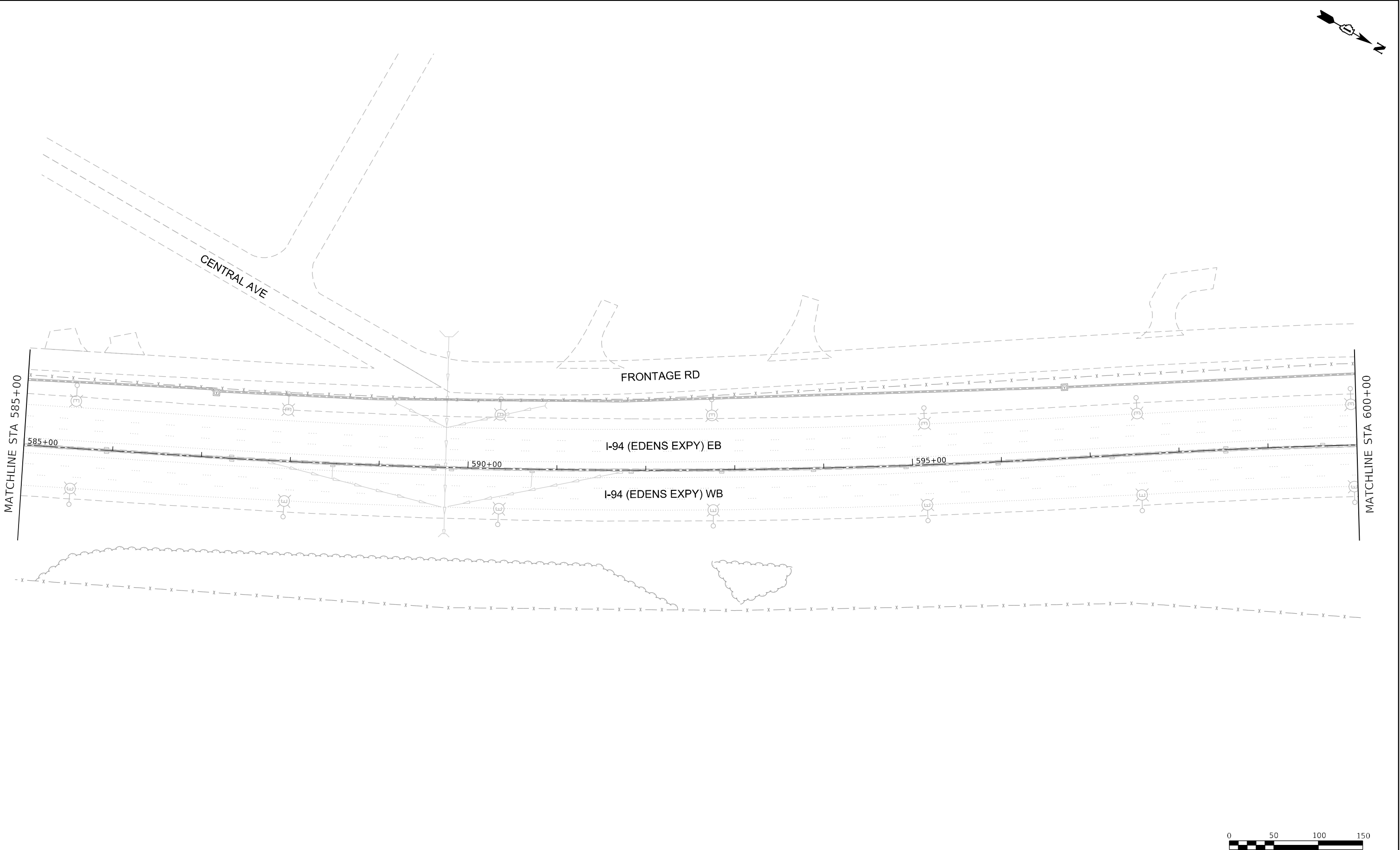
INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 24

SCALE: 1" = 50' SHEET 45 OF 69 SHEETS STA. 570+00 TO STA. 585+00

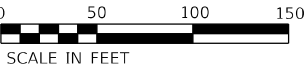
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	69
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-45

p:\p\proj\cts\illiana\ER_Jacobs.com\MapDocuments\COX20600_494_U.S._41\COX20600\708cad\713tra\62V17 ITS Cabinet Replace.snenr\040_046_D1E2V17-shr-ITS.dgn



- NOTES:
- NO PROPOSED WORK ON THIS SHEET.



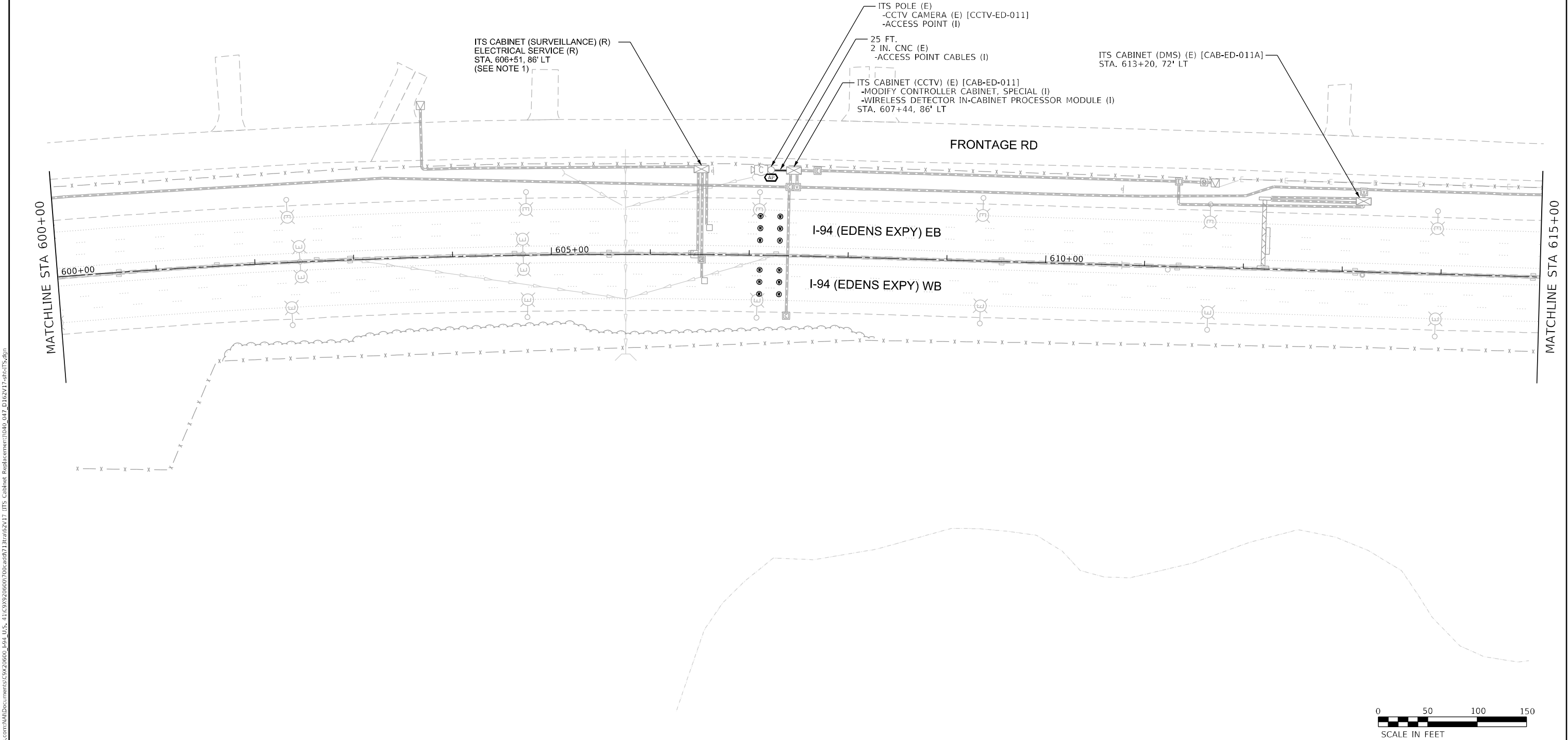
Jacobs	USER NAME = korabmp	DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - MPK	REVISED -					94/41	FAP 0346 23 SIGN	COOK	208	70
	PLOT DATE = 6/28/2024	CHECKED - CRH	REVISED -		SCALE: 1" = 50' SHEET 46 OF 69 SHEETS STA. 585+00 TO STA. 600+00			CONTRACT NO. 62V17				
		DATE - 2/9/2024	REVISED -					ILLINOIS FED. AID PROJECT				

NOTES:

1.
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.

2.

DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

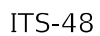
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 25

SCALE: 1" = 50' SHEET 47 OF 69 SHEETS STA. 600+00 TO STA. 615+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	71
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

1. RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
2. DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.

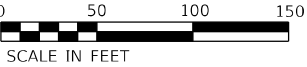
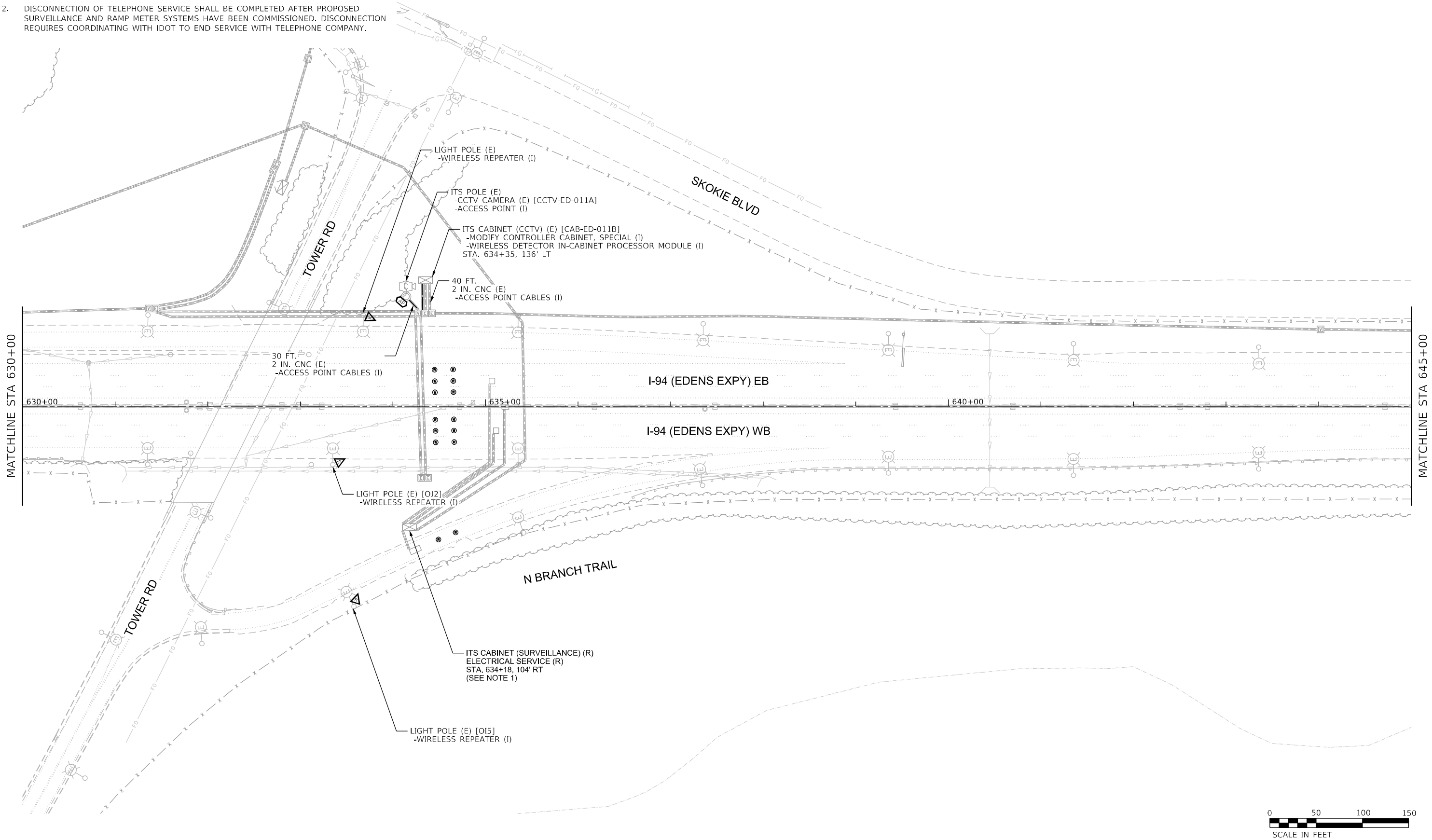


	USER NAME = korabmp	DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS SURVEILLANCE LOCATION 26				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MPK	REVISED -						94/41	FAP 0346 23 SIGN	COOK	208	72
	PLOT SCALE =	CHECKED - CRH	REVISED - CRH		SCALE: 1" = 50' SHEET 48 OF 69 SHEETS STA. 615+00 TO STA. 630+00				CONTRACT NO. 62V17				
	PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -						ILLINOIS FED. AID PROJECT				

NOTES:

1.
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.

2.
- DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

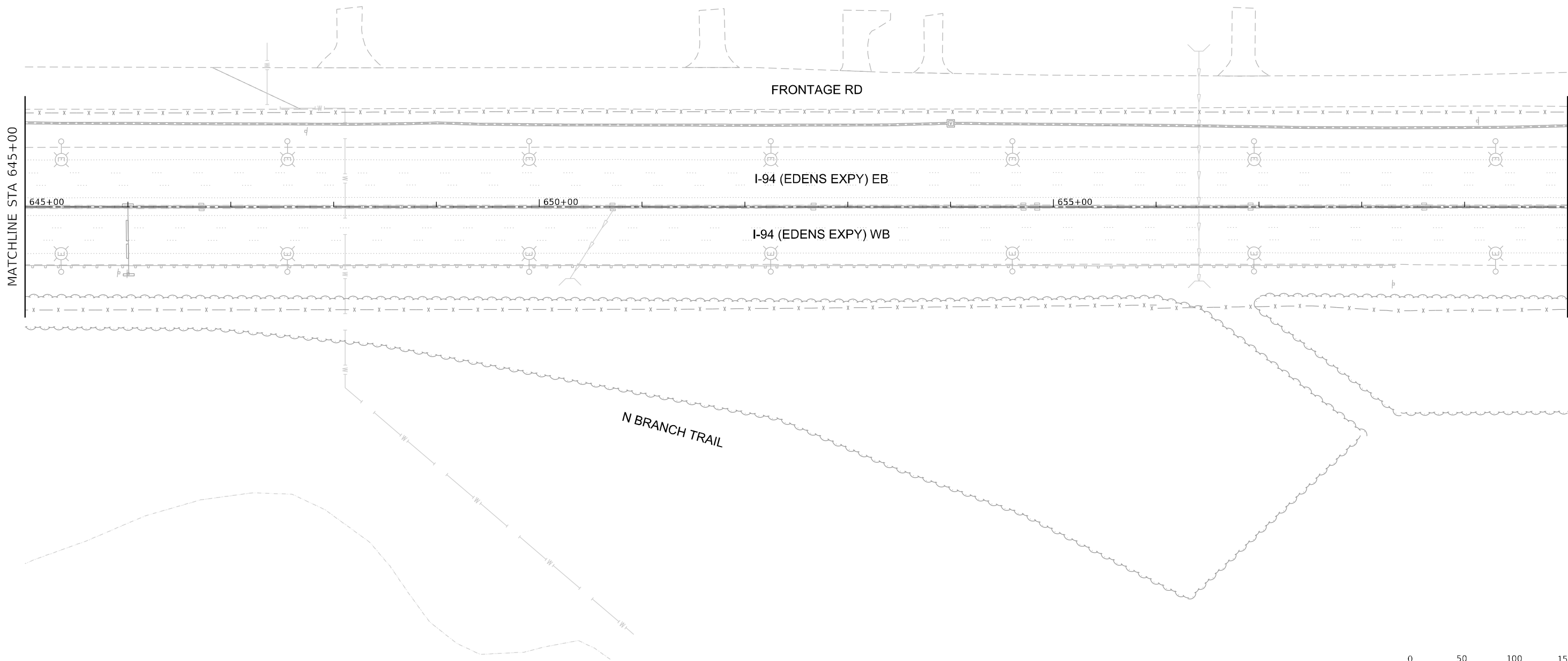
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 26 (CONT.)

SCALE: 1" = 50' SHEET 49 OF 69 SHEETS STA. 630+00 TO STA. 645+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	73
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-49



- NOTES:
- NO PROPOSED WORK ON THIS SHEET.



Jacobs	USER NAME = korabmp	DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MPK	REVISED -					94/41	FAP 0346 23 SIGN	COOK	208	74
	PLOT SCALE =	CHECKED - CRH	REVISED -		SCALE: 1" = 50' SHEET 50 OF 69 SHEETS STA. 645+00 TO STA. 660+00			CONTRACT NO. 62V17				
	PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -					ILLINOIS FED. AID PROJECT				

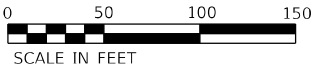
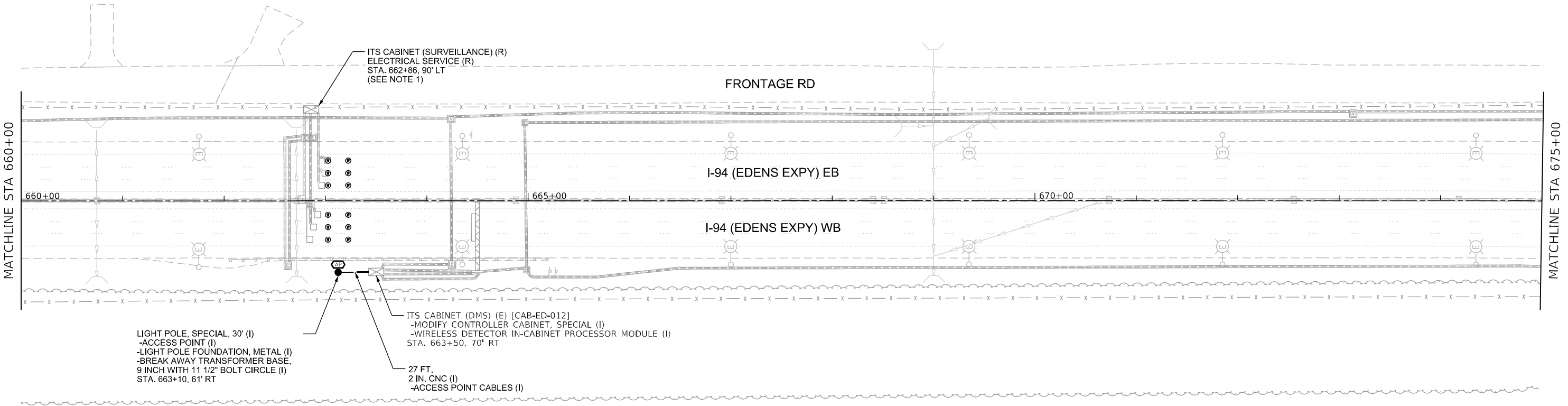
ITS-50

NOTES:

1.
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.

2.

DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



ITS-51



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 8/6/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 27

SCALE: 1" = 50' SHEET 51 OF 69 SHEETS STA. 660+00 TO STA. 675+00

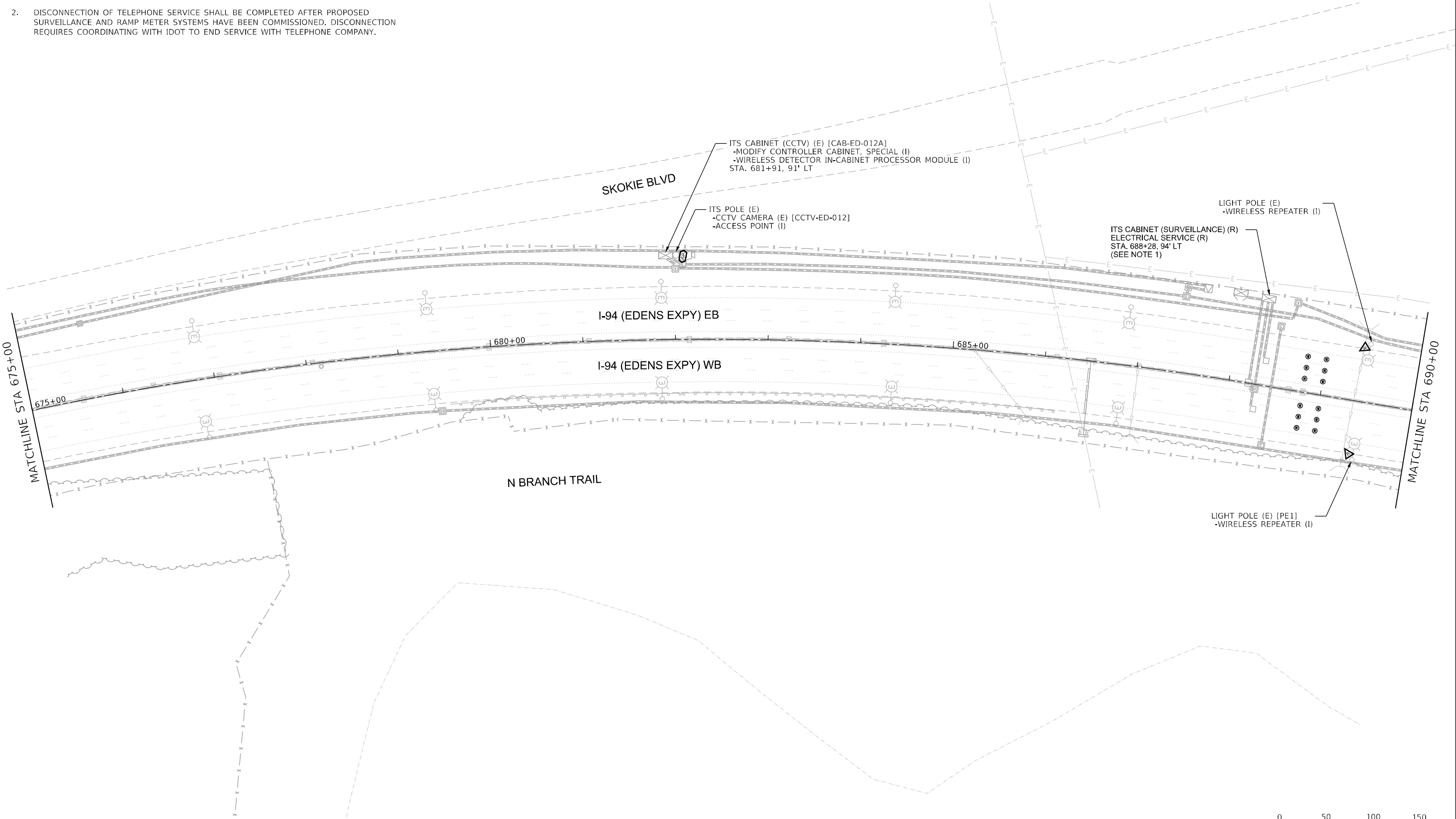
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	75
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

NOTES:

1.
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.

2.

DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



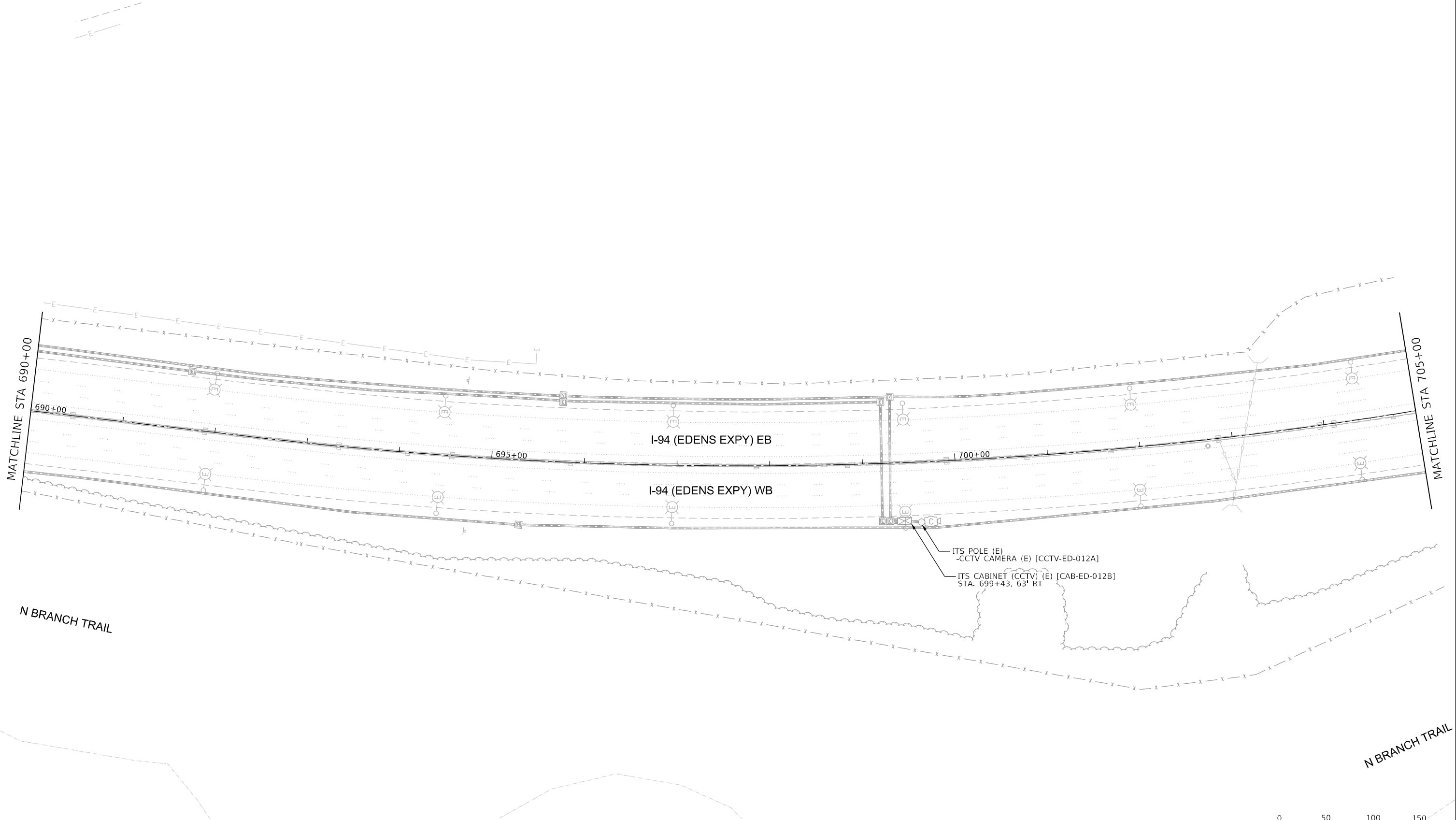
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	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 28

SCALE: 1" = 50'	SHEET 52 OF 69 SHEETS	STA. 675+00 TO STA. 690+00
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	76
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				



- NOTES:
- NO PROPOSED WORK ON THIS SHEET.



ITS-53

Jacobs

Project/Title

USER NAME = korabmp	DESIGNED - MPK	REVISED -
DRAWN - MPK	REVISED -	
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

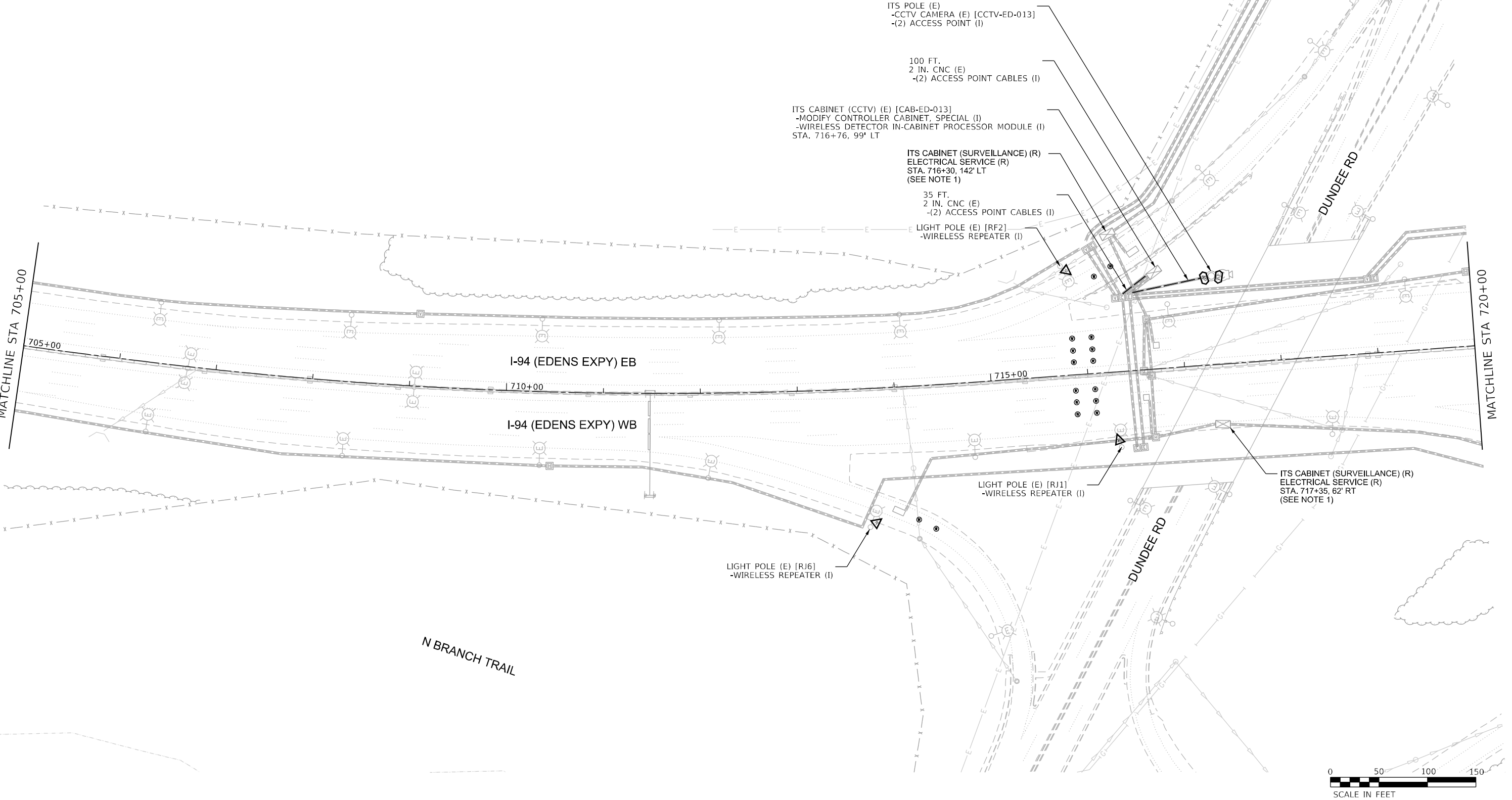
INTELLIGENT TRANSPORTATION SYSTEMS				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	77
		CONTRACT NO. 62V17		
SCALE: 1" = 50'	SHEET 53 OF 69 SHEETS	STA. 690+00 TO STA. 705+00		
		ILLINOIS	FED. AID PROJECT	

NOTES:

1.
- EXISTING SYSTEM DETECTION SYSTEM TO BE REMOVED. EXISTING CABINET AND CABLING TO BE REMOVED. CONDUITS AND IN PAVEMENT LOOPS TO BE ABANDONED.

2.
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.

3.
- DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 29

SCALE: 1" = 50' SHEET 54 OF 69 SHEETS STA. 705+00 TO STA. 720+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	78
CONTRACT NO. 62V17				
		ILLINOIS	FED. AID PROJECT	

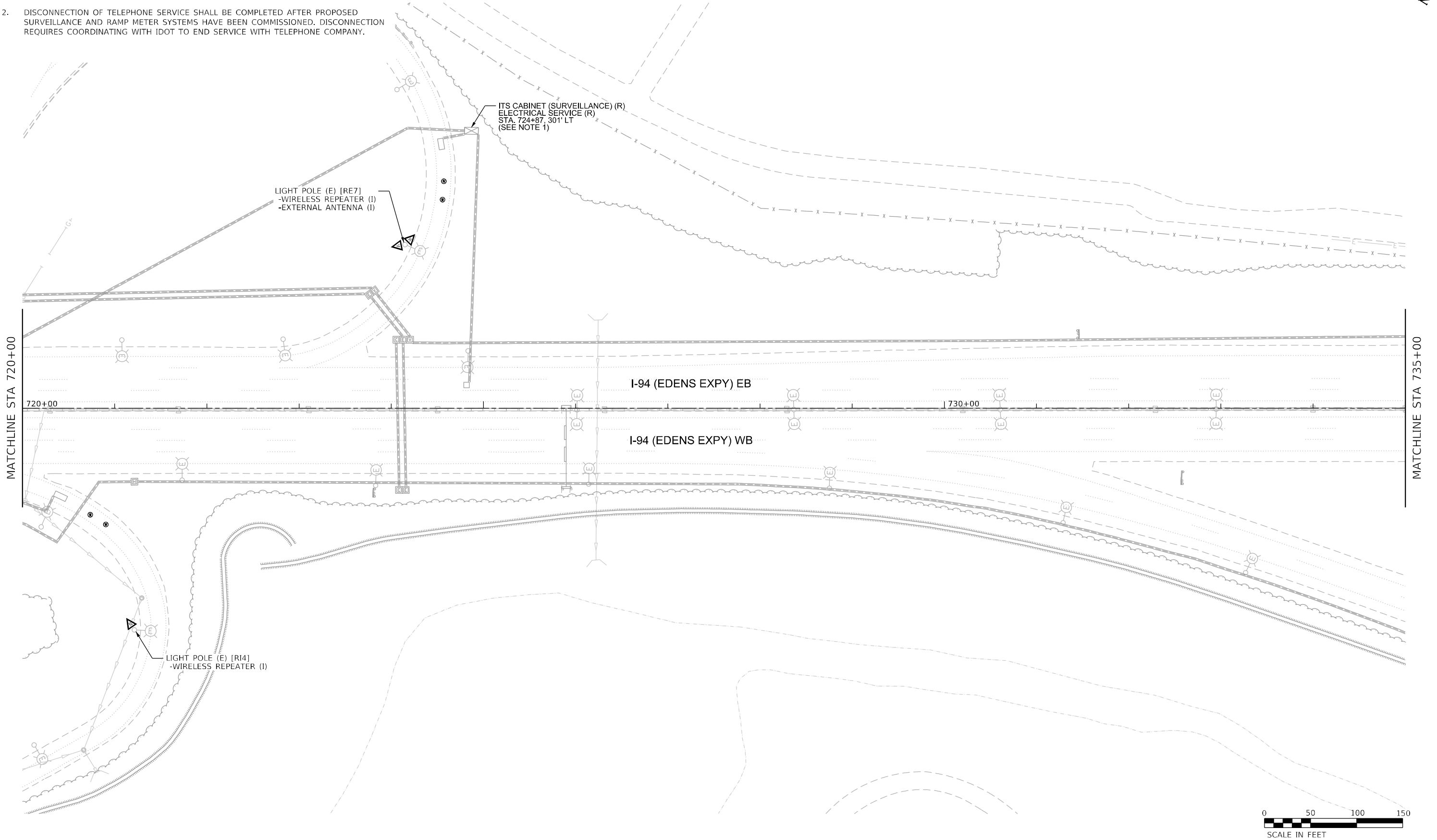
ITS-54

NOTES:

1.
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.

2.

DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 29 (CONT.)

SCALE: 1" = 50' SHEET 55 OF 69 SHEETS STA. 720+00 TO STA. 735+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	79
			CONTRACT NO. 62V17	
		ILLINOIS	FED. AID PROJECT	

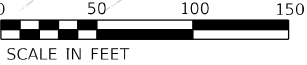
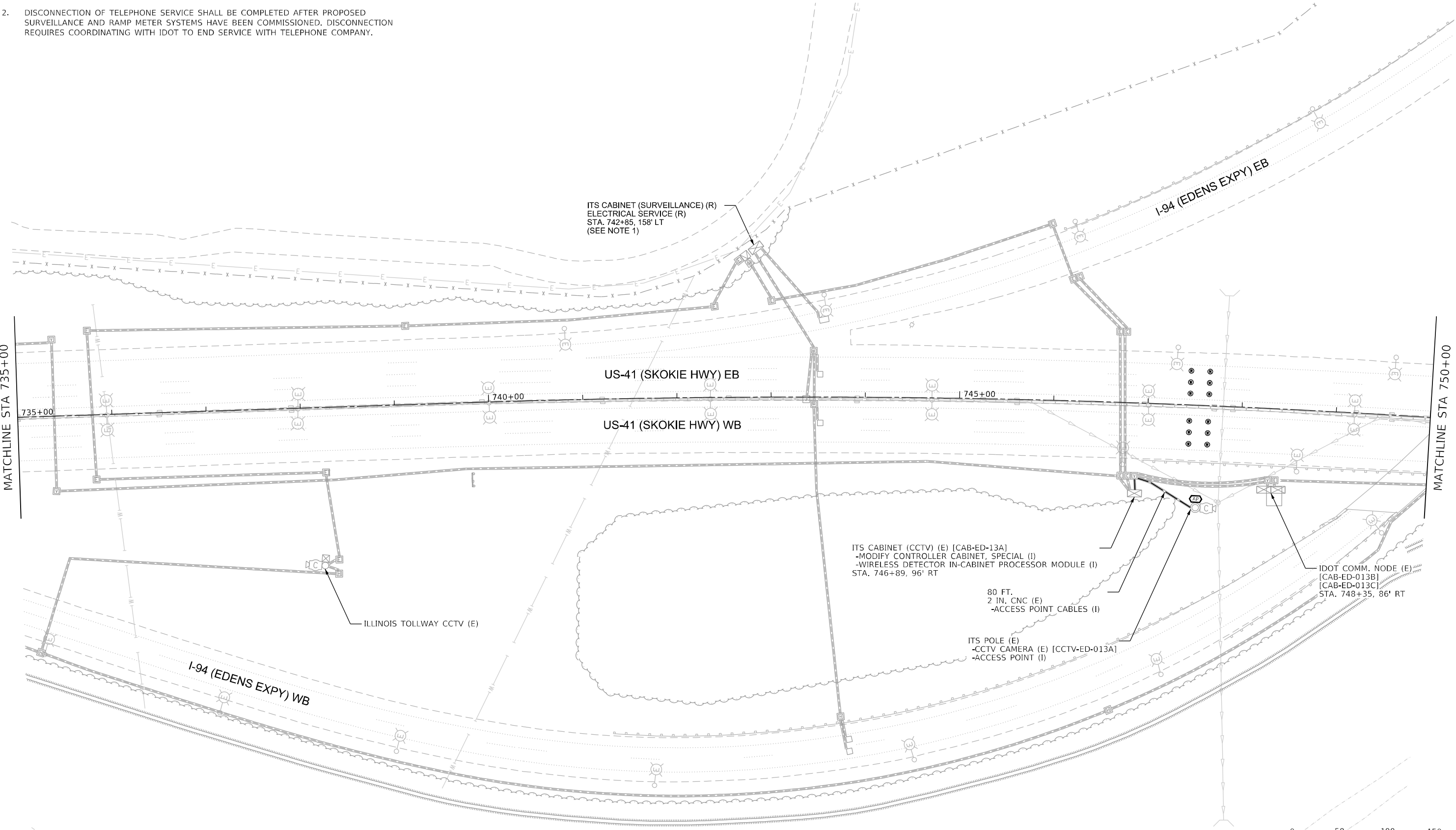
ITS-55

NOTES:

1.
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.

2.

DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
	CHECKED - CRH	REVISED -
	DATE - 2/9/2024	REVISED -

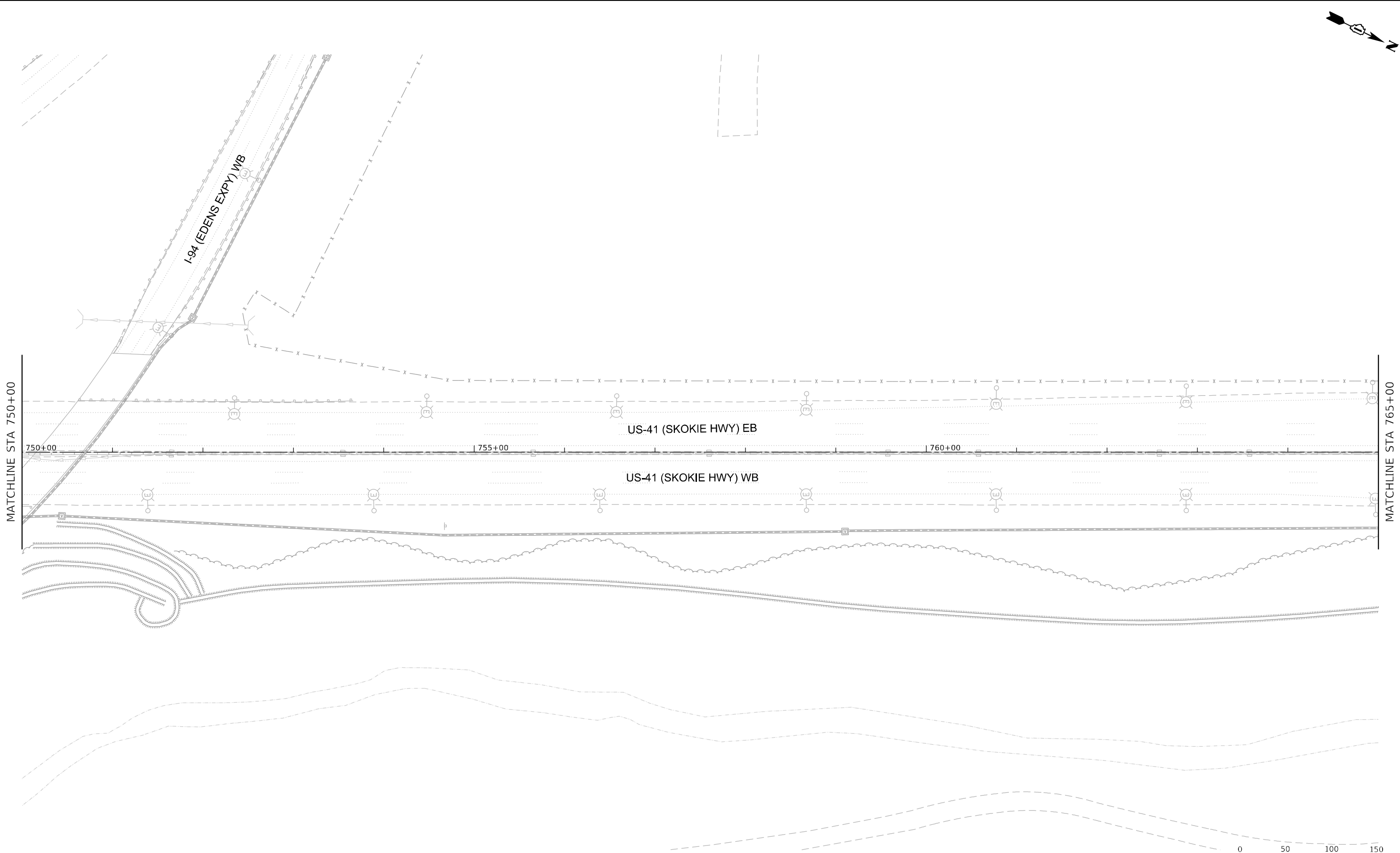
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 30

SCALE: 1" = 50' SHEET 56 OF 69 SHEETS STA. 735+00 TO STA. 750+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	80
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

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- NOTES:
1. NO PROPOSED WORK ON THIS SHEET.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

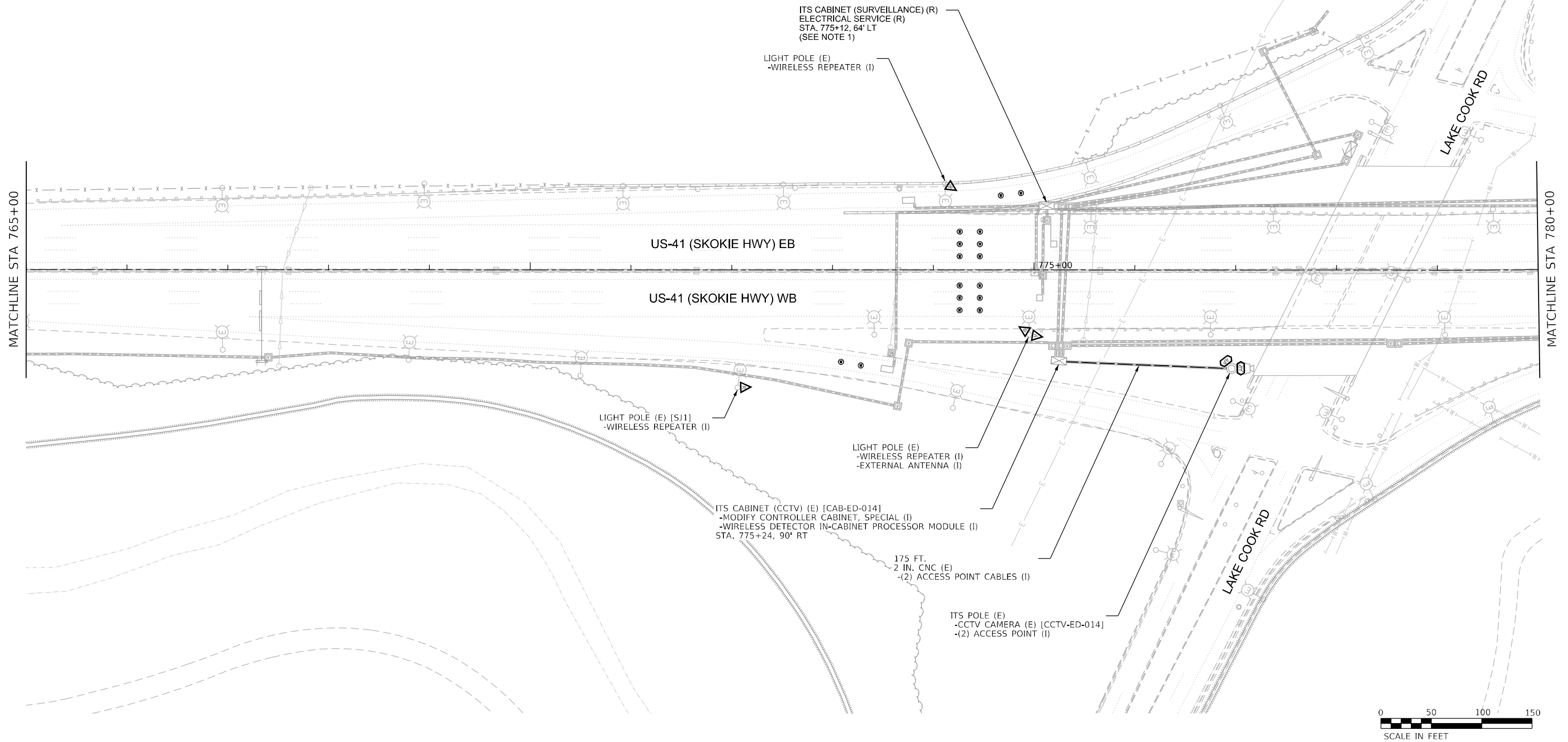
INTELLIGENT TRANSPORTATION SYSTEMS

SCALE: 1" = 50' SHEET 57 OF 69 SHEETS STA. 750+00 TO STA. 765+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	COOK	208	81
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62V17	

ITS-57

- NOTES:
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
 - DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 31

SCALE: 1" = 50' SHEET 58 OF 69 SHEETS STA. 765+00 TO STA. 780+00

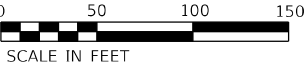
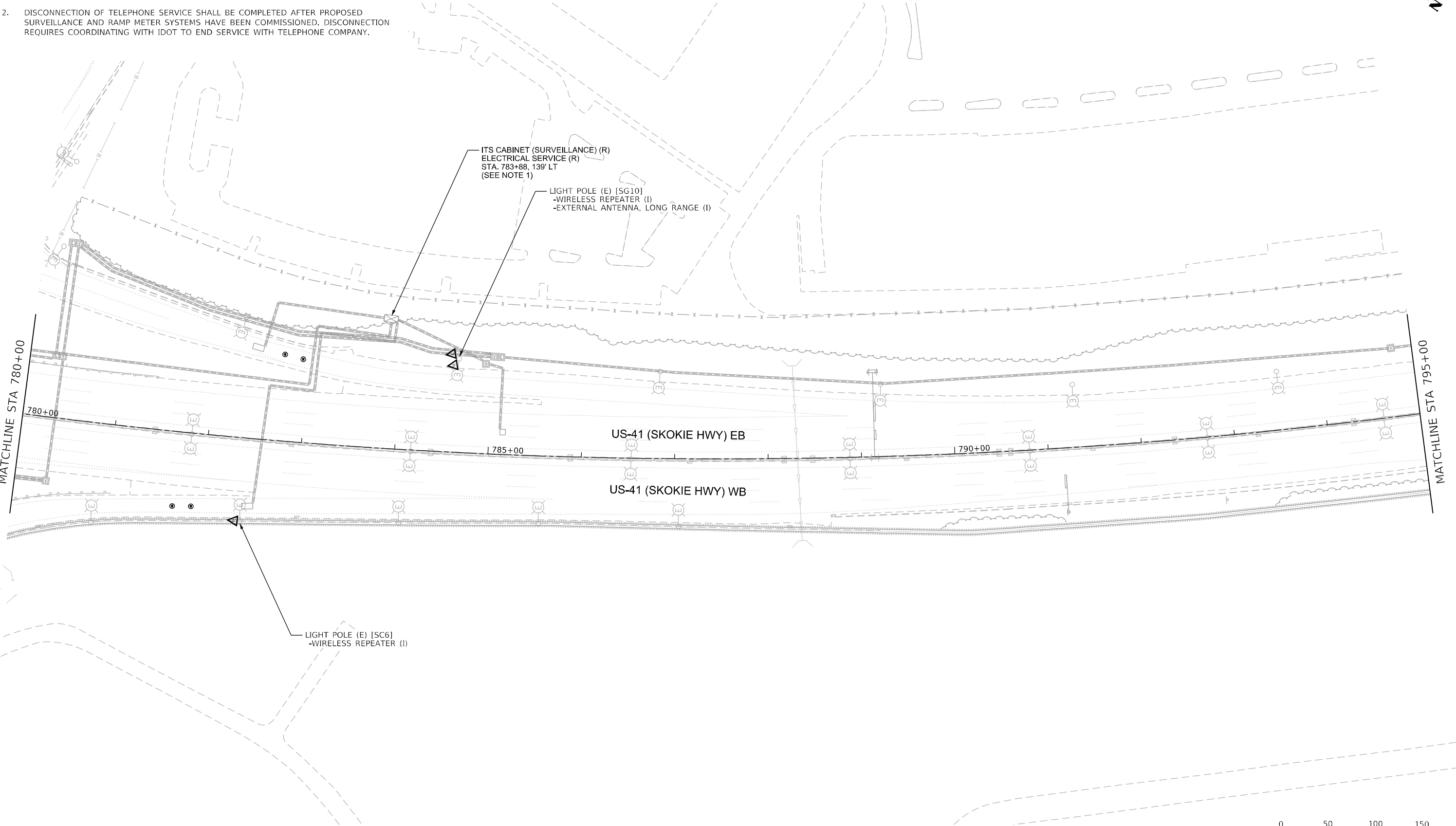
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	COOK/LAKE	208	82
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-58

NOTES:

1.
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.

2.
- DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 31 (CONT.)

SCALE: 1" = 50' SHEET 59 OF 69 SHEETS STA. 780+00 TO STA. 795+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	LAKE	208	83
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

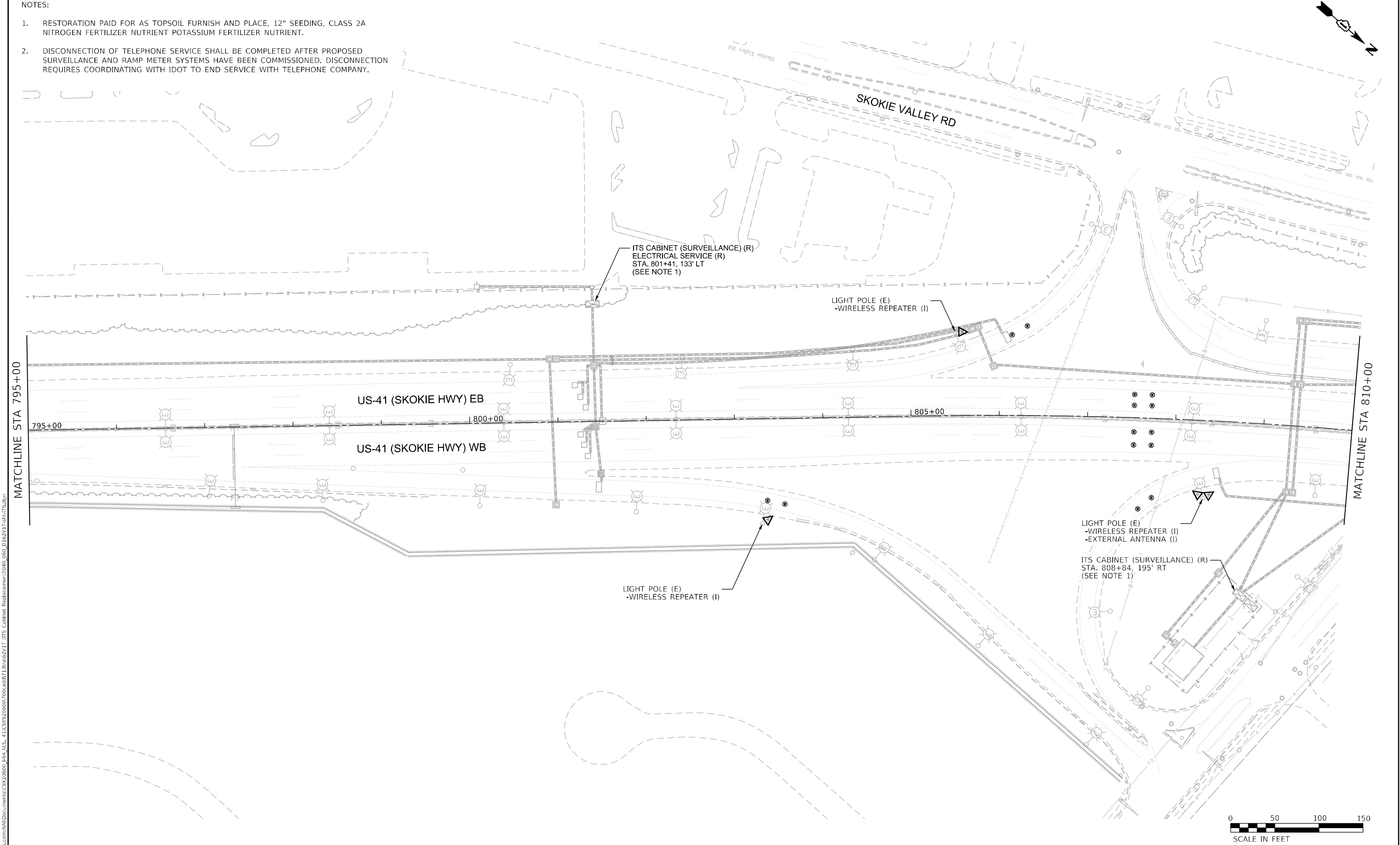
ITS-59

NOTES:

1.
- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.

2.

DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

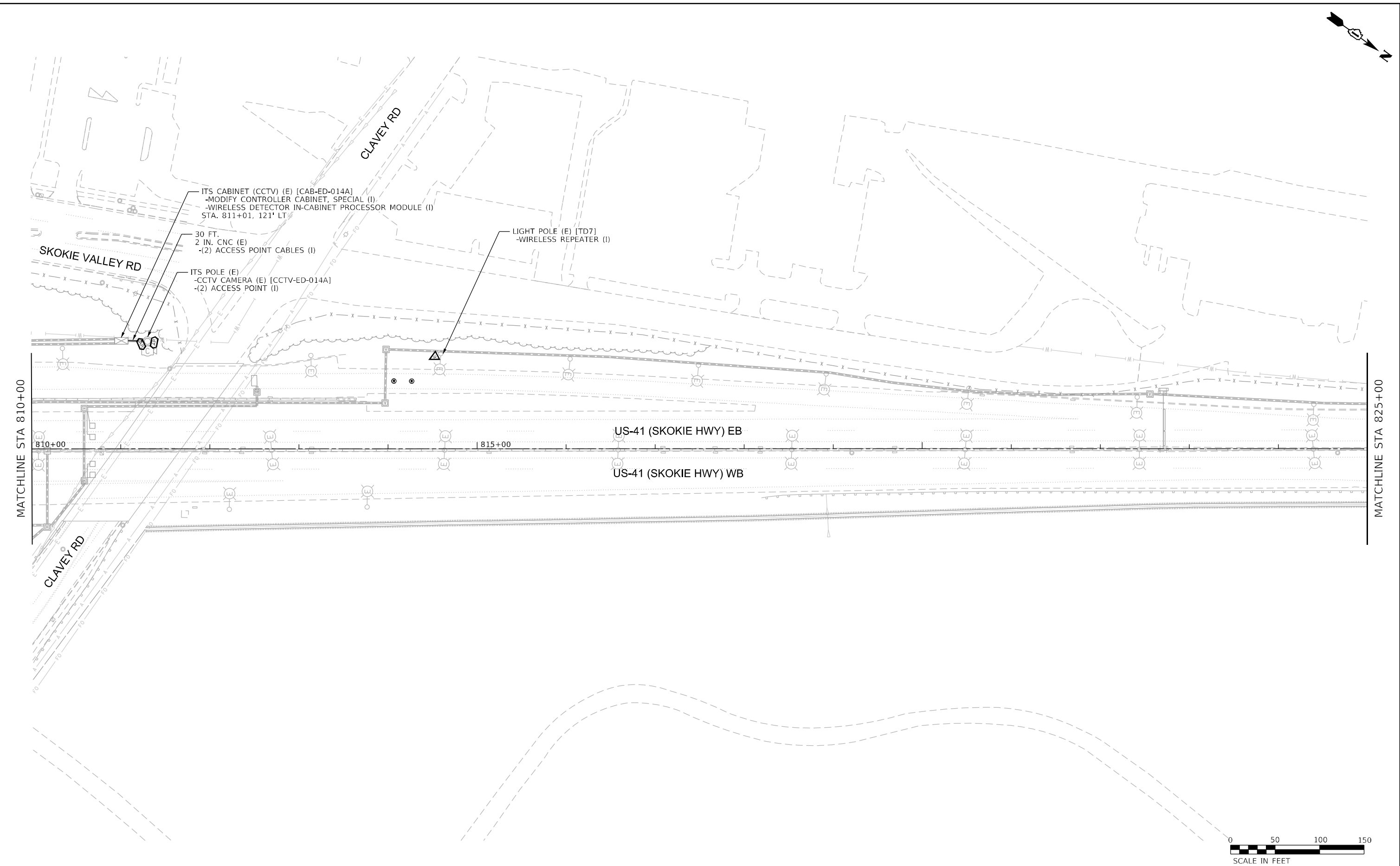
INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 32

SCALE: 1" = 50' SHEET 60 OF 69 SHEETS STA. 795+00 TO STA. 810+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	LAKE	208	84
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-60

p:\p\proj\us41\62v17\jacobson\Drawings\CD\20600_644_U.S._41\CD\920600\706cad\713ra\62v17 ITS Cabinet Redesign\040_061_D1E2V17-shr-ITS.dgn



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

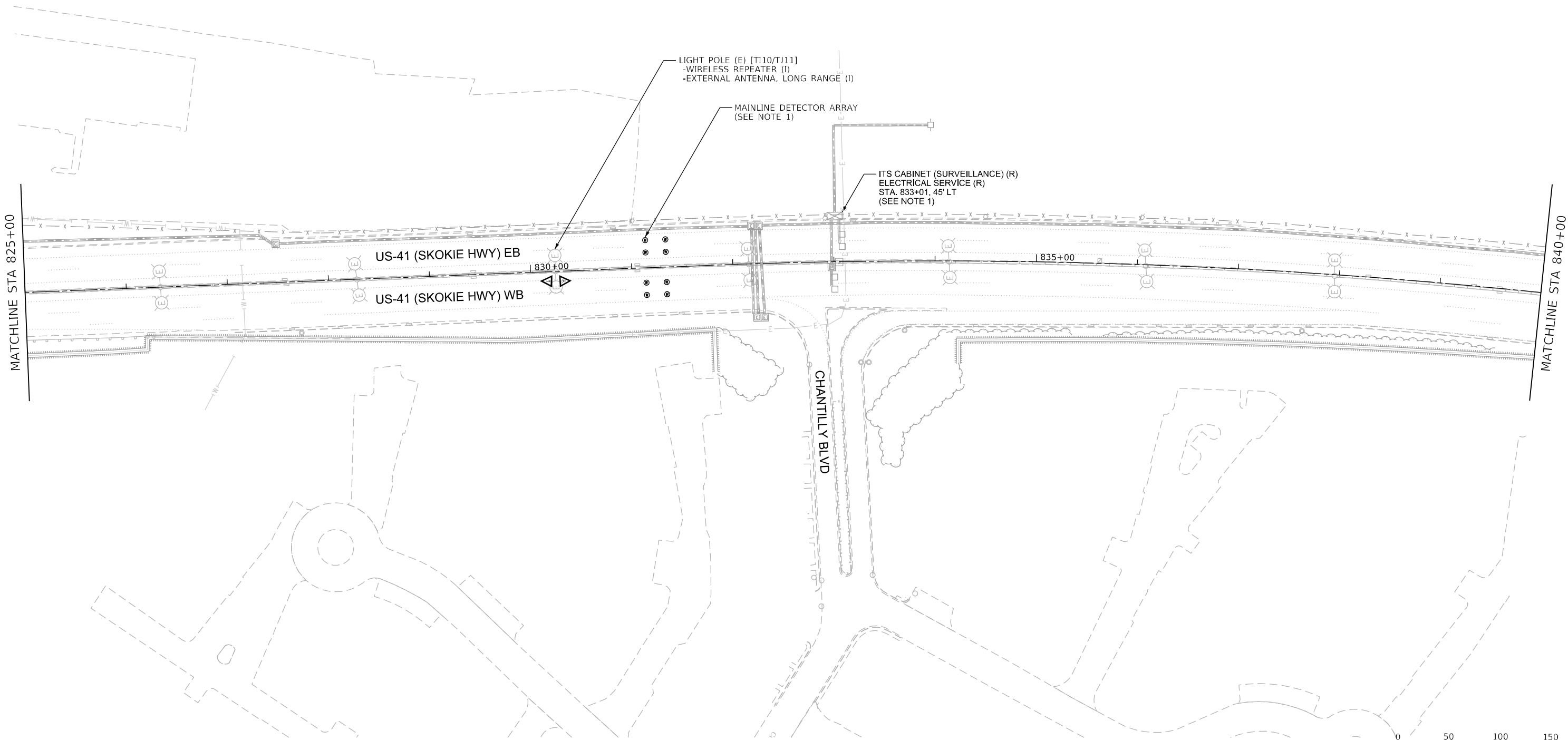
INTELLIGENT TRANSPORTATION SYSTEMS SURVEILLANCE LOCATION 32 (CONT.)			
SCALE: 1" = 50'	SHEET 61 OF 69 SHEETS	STA. 810+00	TO STA. 825+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	LAKE	208	85
CONTRACT NO. 62V17				
ILLINOIS		FED. AID PROJECT		

ITS-61

NOTES :

- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
- DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED. DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



NOTES:

- DETECTOR ARRAYS TO BE READ BY ACCESS POINT AT CABINET CAB-ED-014A.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

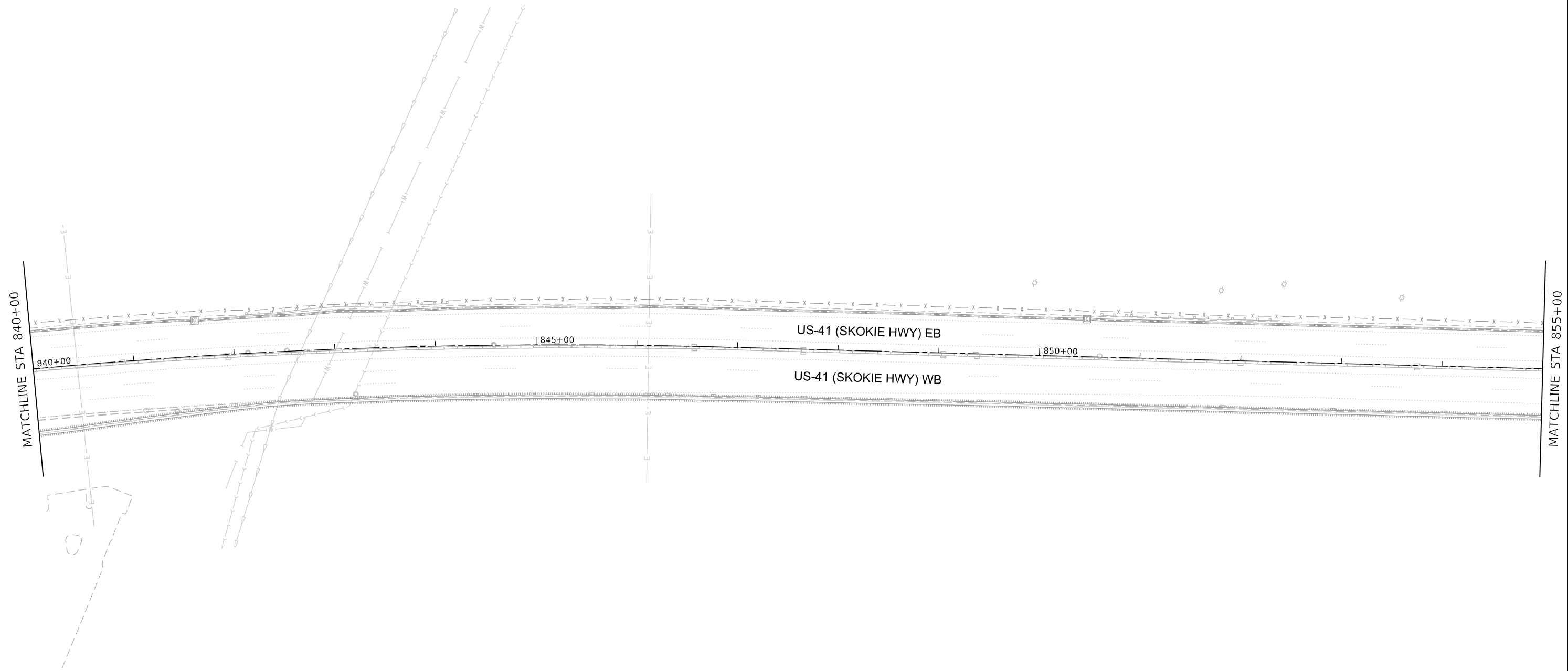
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 33

SCALE: 1" = 50' SHEET 62 OF 69 SHEETS STA. 825+00 TO STA. 840+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	LAKE	208	86
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-62

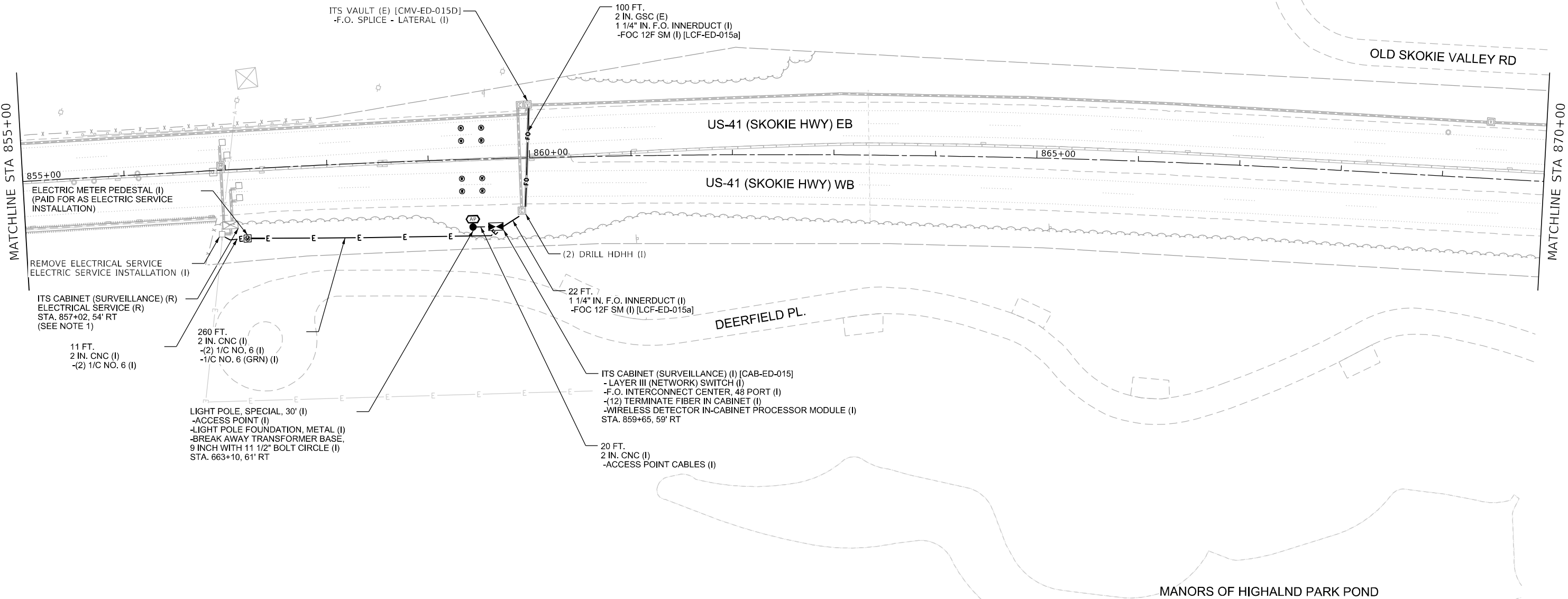


- NOTES:
- NO PROPOSED WORK ON THIS SHEET.

	USER NAME = korabmp		DESIGNED - MPK		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS					F.A.I RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MPK		CHECKED - CRH		REVISED -			US41	FAP 0346 23 SIGN		LAKE	208	87					
	PLOT SCALE =		DATE - 2/9/2024		REVISED -			CONTRACT NO. 62V17										
	PLOT DATE = 6/28/2024							ILLINOIS FED. AID PROJECT										
								SCALE: 1" = 50'	SHEET 63 OF 69 SHEETS	STA. 840+00 TO STA. 855+00								

NOTES :

- RESTORATION PAID FOR AS TOPSOIL FURNISH AND PLACE, 12" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT.
- DISCONNECTION OF TELEPHONE SERVICE SHALL BE COMPLETED AFTER PROPOSED SURVEILLANCE AND RAMP METER SYSTEMS HAVE BEEN COMMISSIONED, DISCONNECTION REQUIRES COORDINATING WITH IDOT TO END SERVICE WITH TELEPHONE COMPANY.



ITS-64

Jacobs

USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 8/6/2024	DATE - 2/9/2024	REVISED -

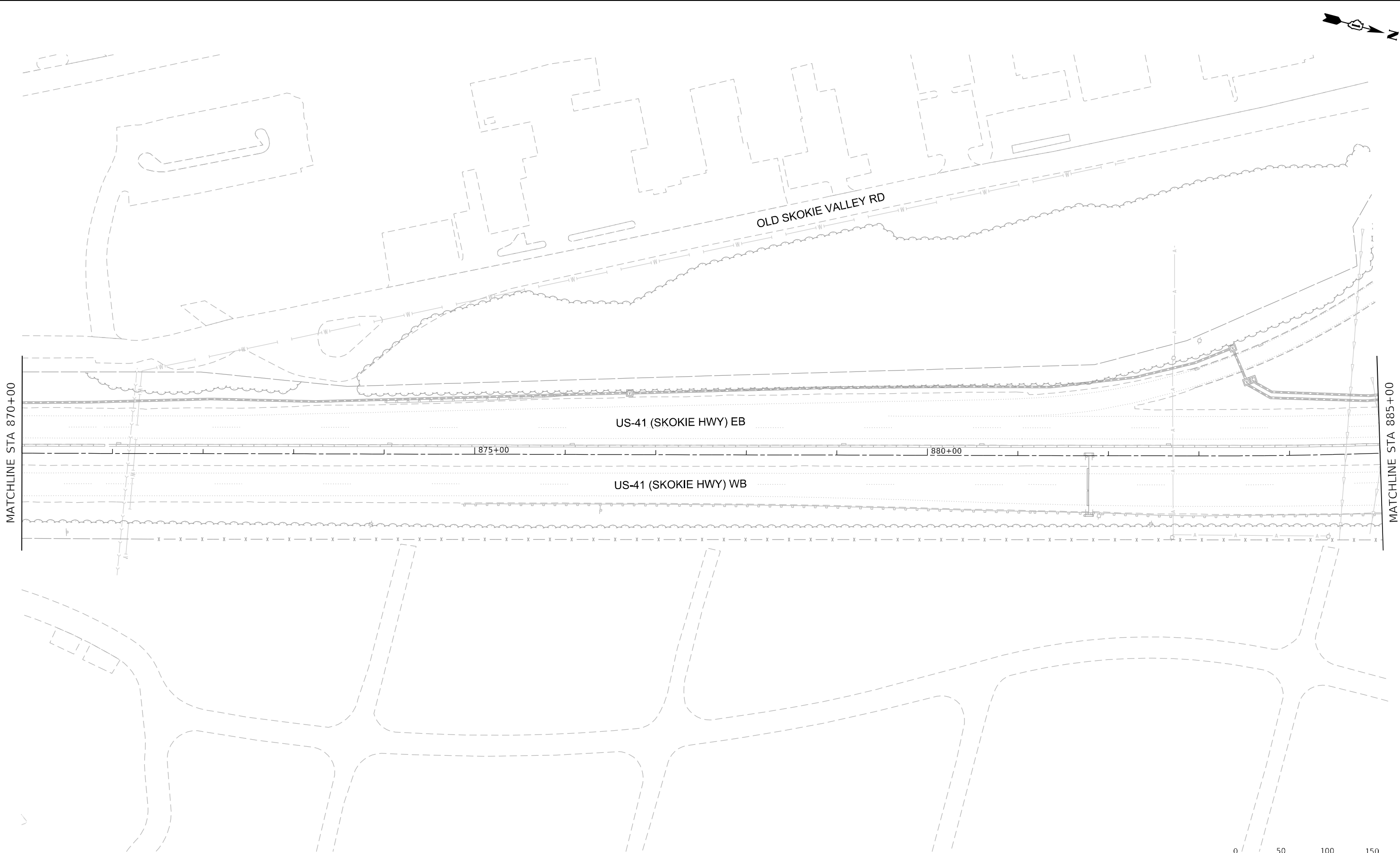
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
SURVEILLANCE LOCATION 34

SCALE: 1" = 50' SHEET 64 OF 69 SHEETS STA. 855+00 TO STA. 870+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	LAKE	208	88
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

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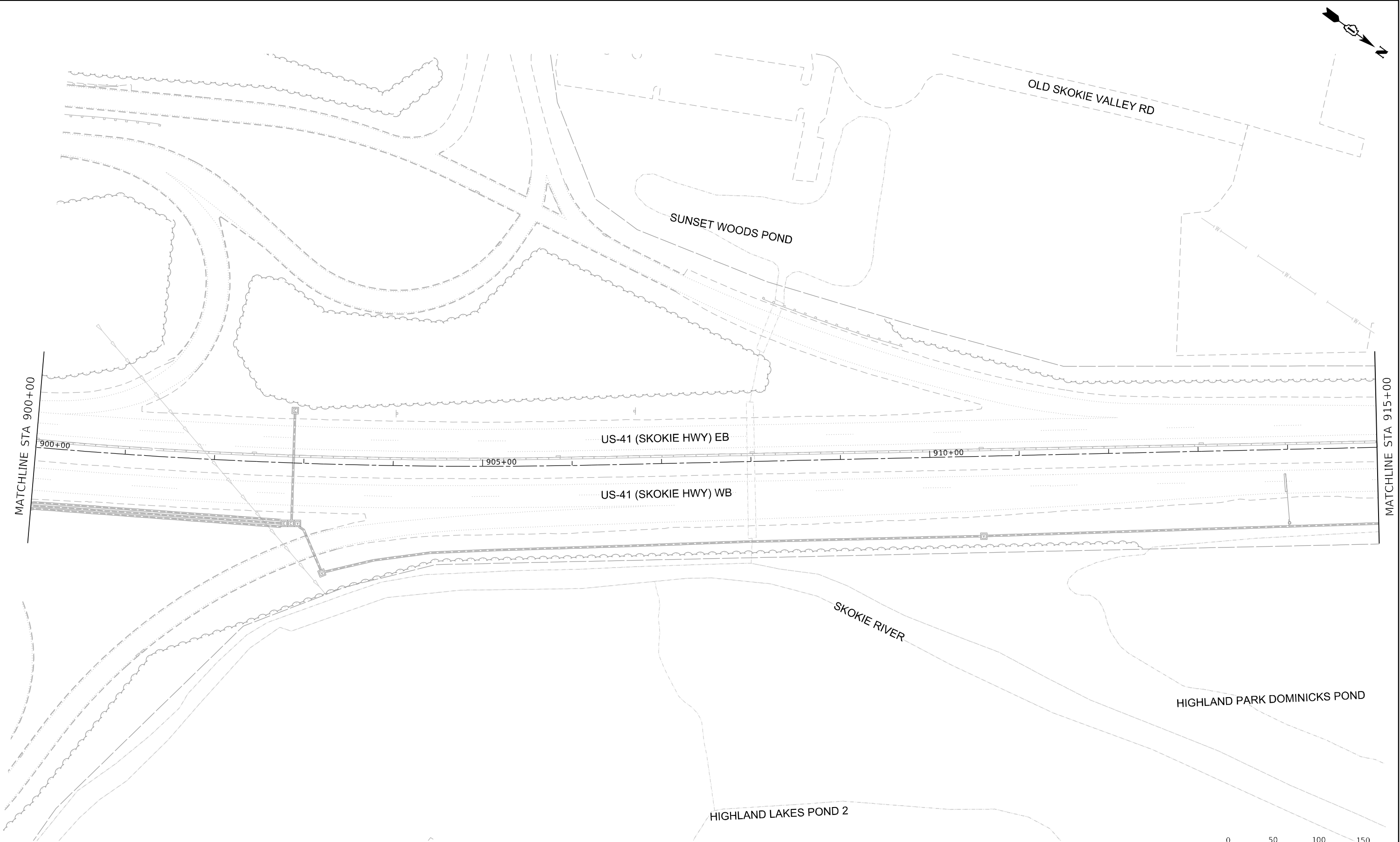
NOTES:

1. NO PROPOSED WORK ON THIS SHEET.

Jacobs	USER NAME = korabmp	DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MPK	REVISED -					US41	FAP 0346 23 SIGN	LAKE	208	89
	PLOT SCALE =	CHECKED - CRH	REVISED -		CONTRACT NO. 62V17							
	PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -		SCALE: 1" = 50'	SHEET 65 OF 69 SHEETS	STA. 870+00 TO STA. 885+00	ILLINOIS FED. AID PROJECT				

ITS-65

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- NOTES:
1. NO PROPOSED WORK ON THIS SHEET.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

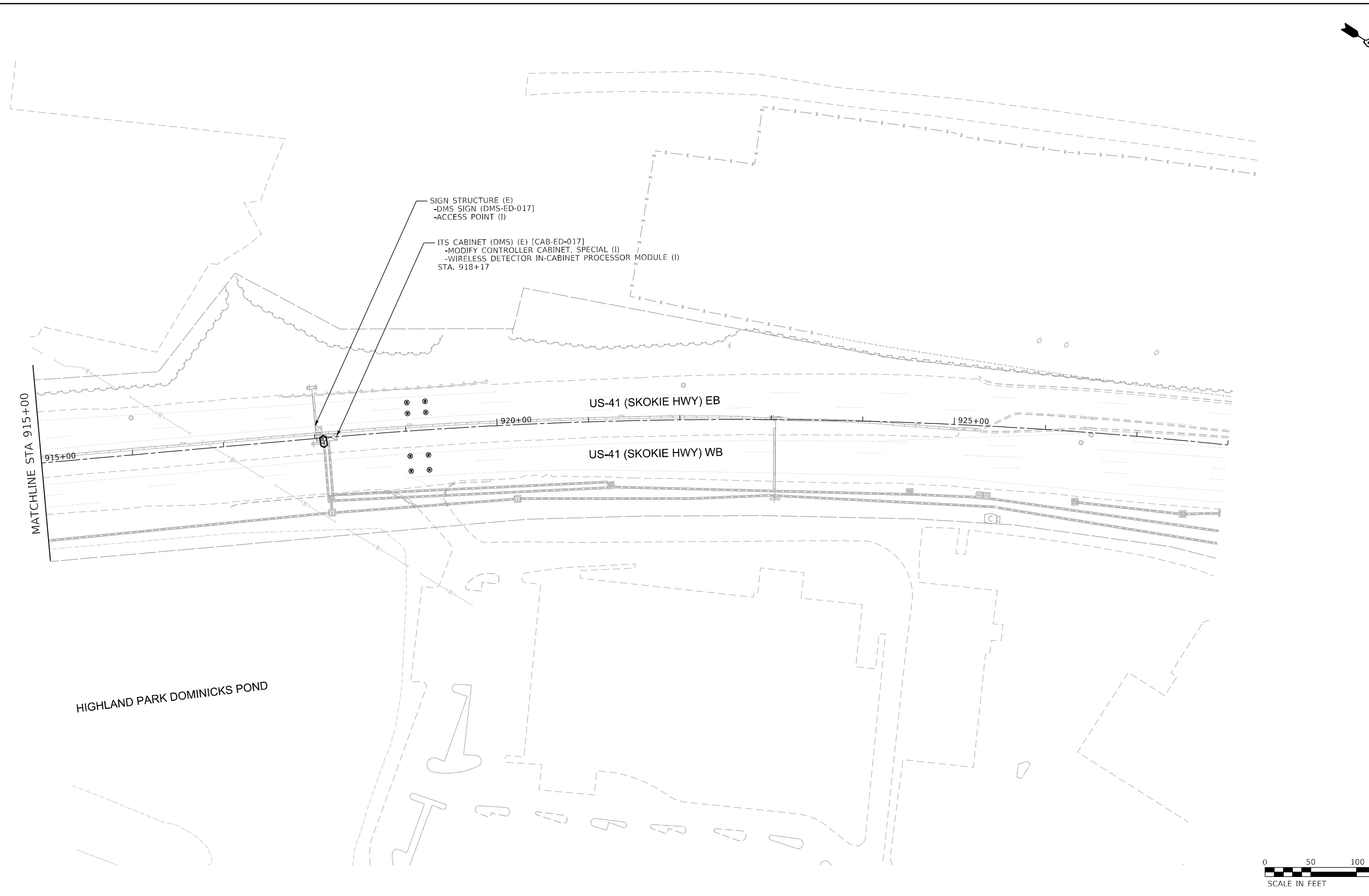
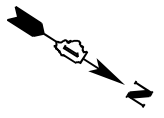
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS

SCALE: 1" = 50' SHEET 67 OF 69 SHEETS STA. 900+00 TO STA. 915+00

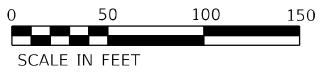
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	LAKE	208	91
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

ITS-67



- SIGN STRUCTURE (E)
 - DMS SIGN (DMS-ED-017)
 - ACCESS POINT (I)
 - ITS CABINET (DMS) (E) [CAB-ED-017]
 - MODIFY CONTROLLER CABINET, SPECIAL (I)
 - WIRELESS DETECTOR IN-CABINET PROCESSOR MODULE (I)
- STA. 918+17

HIGHLAND PARK DOMINICKS POND



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS SURVEILLANCE LOCATION 36			
SCALE: 1" = 50'	SHEET 68 OF 69 SHEETS	STA. 915+00	TO STA. 930+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	LAKE	208	92
CONTRACT NO. 62V17				
ILLINOIS		FED. AID PROJECT		

ITS-68



MATCHLINE STA 930+00

PARK AVE

PARK AVE

— ITS CABINET (CCTV) (E) [CAB-ED-017A]
STA. 932+91, 107' LT

ITS POLE (E)
-CCTV CAMERA (E) [CCTV-ED-017]

US-41 (SKOKIE HWY) EB

US-41 (SKOKIE HWY) WB

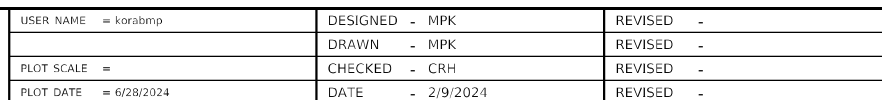
K-MART POND 1

A scale bar labeled "SCALE IN FEET" with markings at 0, 50, 100, and 150 feet. The bar is divided into segments: a black and white checkered pattern from 0 to 25 feet, a solid black segment from 25 to 50 feet, a solid white segment from 50 to 75 feet, a solid black segment from 75 to 100 feet, and a solid white segment from 100 to 150 feet.

NOTES:

1. NO PROPOSED WORK ON THIS SHEET.

ITS-69



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

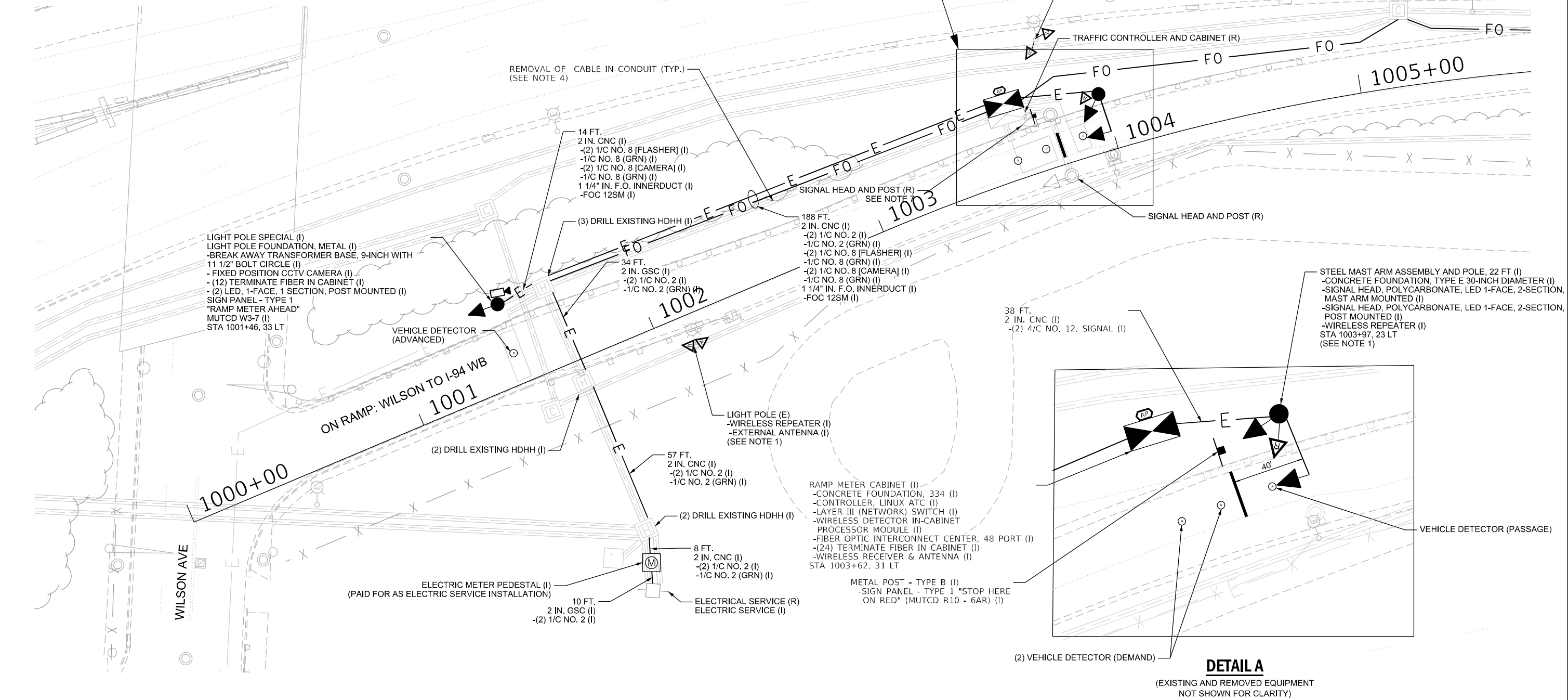
INTELLIGENT TRANSPORTATION SYSTEMS

SCALE: 1" = 50'	SHEET 69 OF 69 SHEETS	STA. 930+00 TO STA. 945+00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US41	FAP 0346 23 SIGN	LAKE	208	93
		CONTRACT NO. 62V17		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1. REPEATERS TO BE MOUNTED ON POLE AT 20' ABOVE SURFACE OF PAVEMENT WITH SENSORS. WIRELESS REPEATERS PAID UNDER WIRELESS VEHICLE DETECTION SYSTEM.
2. SEE ITS PLANS FOR CORRESPONDING MAINLINE DETECTORS.
3. EXISTING WARNING SIGN ASSEMBLY TO BE REMOVED. PAID FOR AS REMOVE EXISTING SIGNAL HEAD AND POST. WARNING SIGN SHALL BE REMOVED, STORED, AND INSTALLED ON PROPOSED POLE. SIGN RELOCATION PAID SEPARATELY.
4. EXISTING RAMP METER SERVICE ELECTRICAL CABLING SHALL BE REMOVED. CONDUIT AND LOOP DETECTOR LEAD-IN CABLES TO BE ABANDONED.
5. WIRELESS DETECTOR IN-CABINET PROCESSOR MODULE, ACCESS POINTS, REPEATERS, IN-PAVEMENT WIRELESS DETECTION UNITS, CALIBRATION, AND ASSOCIATED CABLING WILL BE PAID FOR AS WIRELESS IN-PAVEMENT DETECTION SYSTEM.
6. MAINLINE SURVEILLANCE DETECTION TO BE READ BY RAMP METER WIRELESS VEHICLE DETECTION SYSTEM.
7. RAMP METER SIGNAL POST AND FOUNDATION TO BE REMOVED 12" BELOW SURFACE. PAVEMENT, TYPE I, 12 INCH.
8. RAMP METER SINGLE LINE DIAGRAM. SEE SHEETS PWR-01 AND PWR-02.



DETAIL A

(EXISTING AND REMOVED EQUIPMENT
NOT SHOWN FOR CLARITY)



USER NAME = korabmp	DESIGNED - JS	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE =	CHECKED - JM	REVISED -
PLOT DATE = 8/6/2024	DATE - 2/9/2024	REVISED -

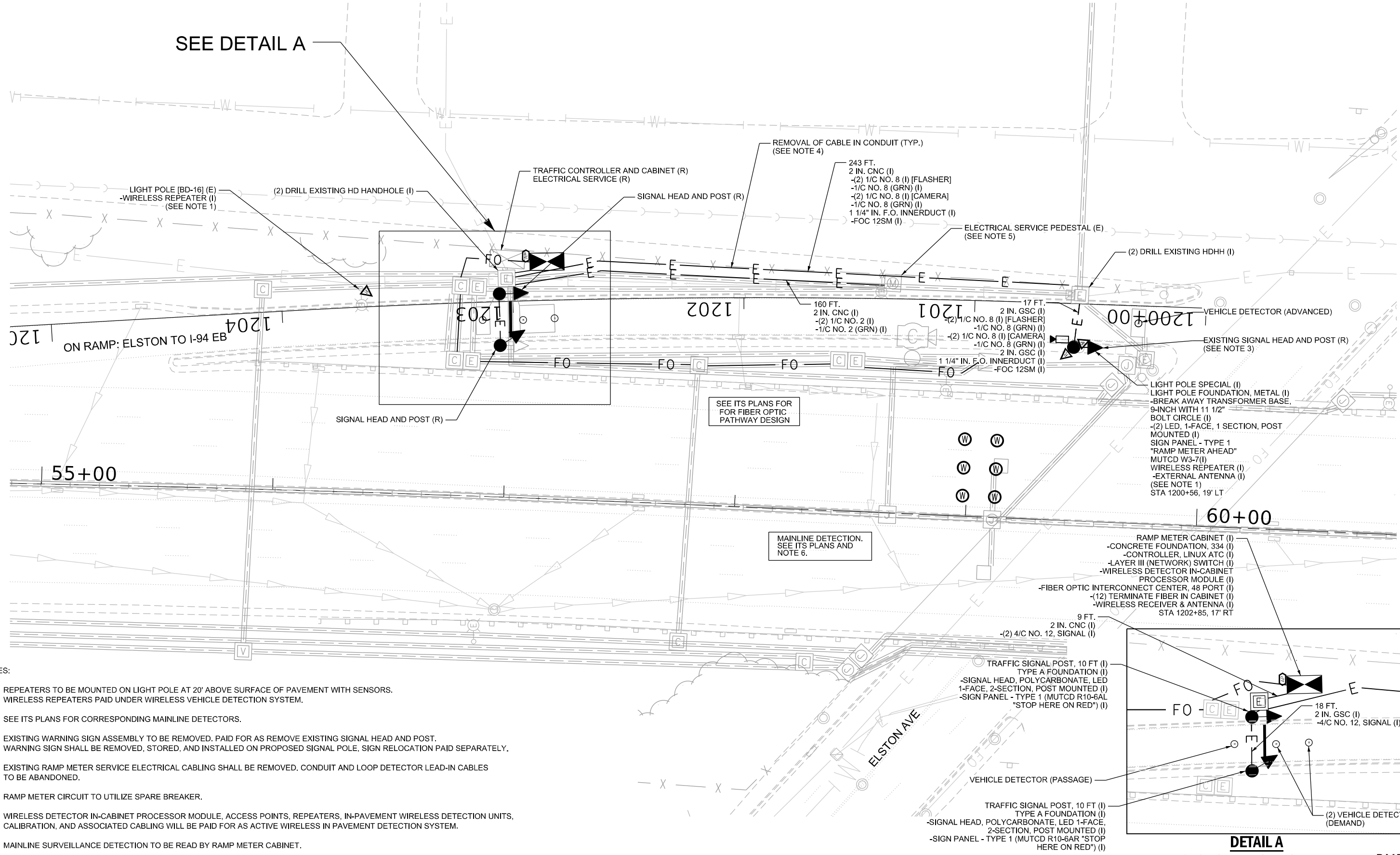
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**RAMP METER CONSTRUCTION PLANS
WILSON AVE TO WB I-94**

SCALE: 1" = 20' SHEET 2 OF 15 SHEETS STA. TO STA.

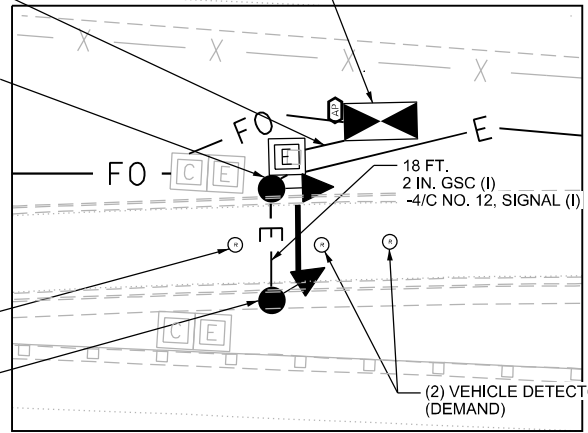
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	95
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

RMP-02



NOTES:

1. REPEATERS TO BE MOUNTED ON LIGHT POLE AT 20' ABOVE SURFACE OF PAVEMENT WITH SENSORS. WIRELESS REPEATERS PAID UNDER WIRELESS VEHICLE DETECTION SYSTEM.
2. SEE ITS PLANS FOR CORRESPONDING MAINLINE DETECTORS.
3. EXISTING WARNING SIGN ASSEMBLY TO BE REMOVED. PAID FOR AS REMOVE EXISTING SIGNAL HEAD AND POST. WARNING SIGN SHALL BE REMOVED, STORED, AND INSTALLED ON PROPOSED SIGNAL POLE. SIGN RELOCATION PAID SEPARATELY.
4. EXISTING RAMP METER SERVICE ELECTRICAL CABLING SHALL BE REMOVED. CONDUIT AND LOOP DETECTOR LEAD-IN CABLES TO BE ABANDONED.
5. RAMP METER CIRCUIT TO UTILIZE SPARE BREAKER.
6. WIRELESS DETECTOR IN-CABINET PROCESSOR MODULE, ACCESS POINTS, REPEATERS, IN-PAVEMENT WIRELESS DETECTION UNITS, CALIBRATION, AND ASSOCIATED CABLING WILL BE PAID FOR AS ACTIVE WIRELESS IN PAVEMENT DETECTION SYSTEM.
7. MAINLINE SURVEILLANCE DETECTION TO BE READ BY RAMP METER CABINET.
8. FOR RAMP METER SINGLE LINE DIAGRAM SEE SHEETS PWR-01 AND PWR-02.



DETAIL A

(EXISTING AND REMOVED EQUIPMENT NOT SHOWN FOR CLARITY)

RMP-03



USER NAME = korabmp	DESIGNED - JS	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE =	CHECKED - JM	REVISED -
PLOT DATE = 8/6/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

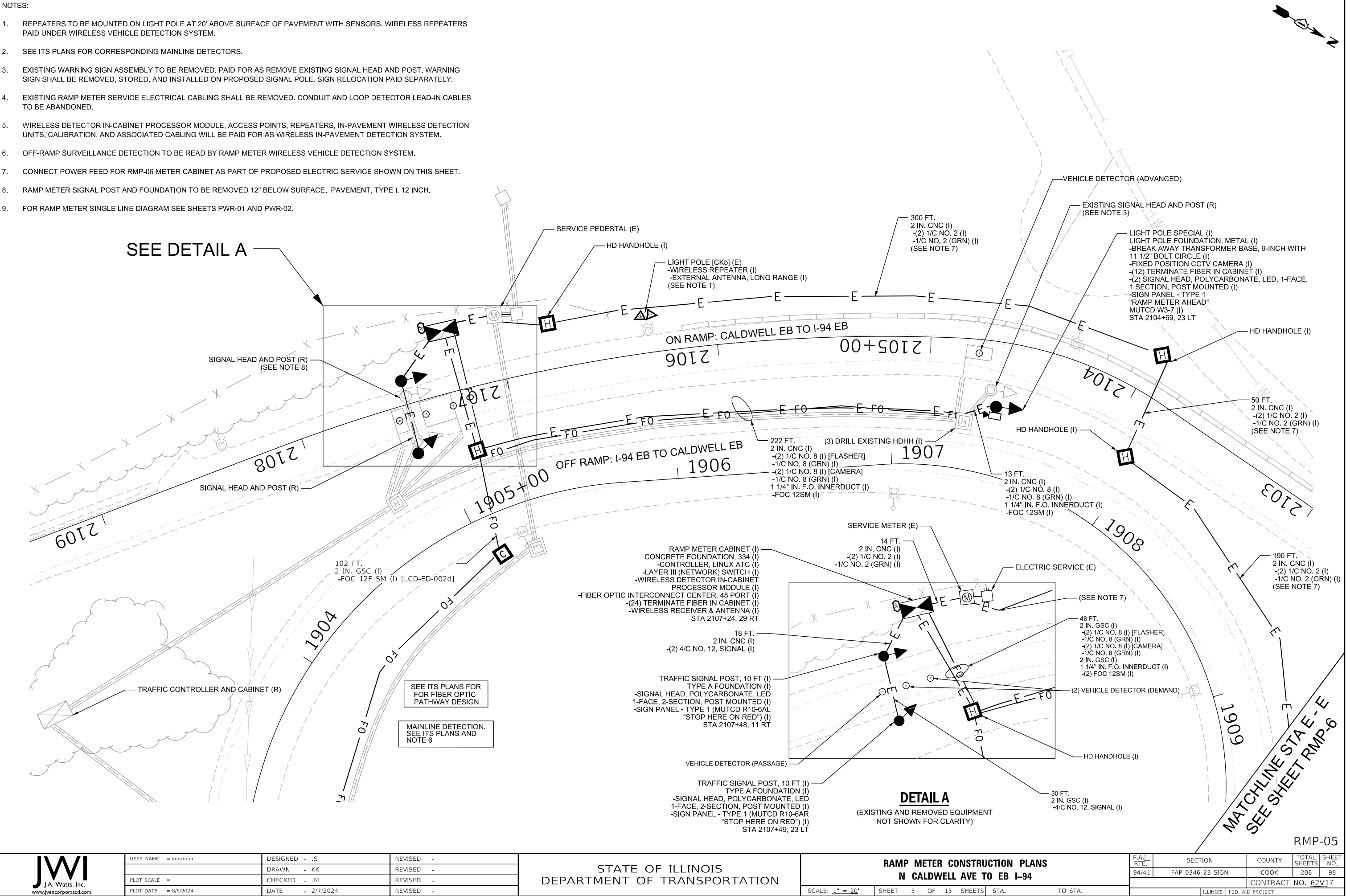
RAMP METER CONSTRUCTION PLANS
ELSTON TO EB I-94

SCALE: 1" = 20' SHEET 3 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	96
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

NOTES:

1. REPEATERS TO BE MOUNTED ON LIGHT POLE AT 20' ABOVE SURFACE OF PAVEMENT WITH SENSORS. WIRELESS REPEATERS PAID UNDER WIRELESS VEHICLE DETECTION SYSTEM.
2. SEE ITS PLANS FOR CORRESPONDING MAINLINE DETECTORS.
3. EXISTING WARNING SIGN ASSEMBLY TO BE REMOVED. PAID FOR AS REMOVE EXISTING SIGNAL HEAD AND POST. WARNING SIGN SHALL BE REMOVED, STORED, AND INSTALLED ON PROPOSED SIGNAL POLE. SIGN RELOCATION PAID SEPARATELY.
4. EXISTING RAMP METER SERVICE ELECTRICAL CABLING SHALL BE REMOVED. CONDUIT AND LOOP DETECTOR LEAD-IN CABLES TO BE ABANDONED.
5. WIRELESS DETECTOR IN-CABINET PROCESSOR MODULE, ACCESS POINTS, REPEATERS, IN-PAVEMENT WIRELESS DETECTION UNITS, CALIBRATION, AND ASSOCIATED CABLING WILL BE PAID FOR AS WIRELESS IN-PAVEMENT DETECTION SYSTEM.
6. OFF-RAMP SURVEILLANCE DETECTION TO BE READ BY RAMP METER WIRELESS VEHICLE DETECTION SYSTEM.
7. CONNECT POWER FEED FOR RMP-06 METER CABINET AS PART OF PROPOSED ELECTRIC SERVICE SHOWN ON THIS SHEET.
8. RAMP METER SIGNAL POST AND FOUNDATION TO BE REMOVED 12" BELOW SURFACE. PAVEMENT, TYPE I, 12 INCH.
9. FOR RAMP METER SINGLE LINE DIAGRAM SEE SHEETS PWR-01 AND PWR-02.



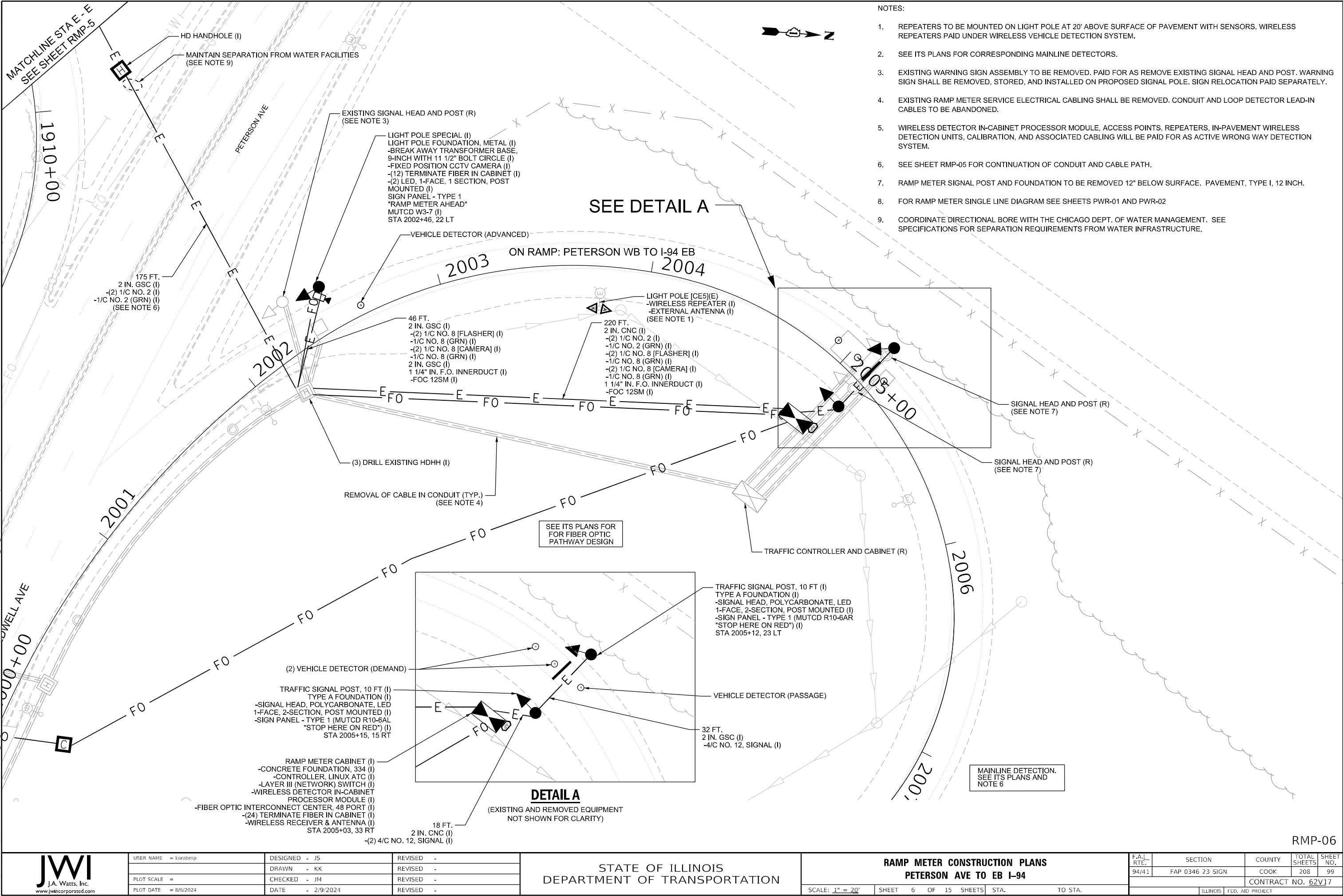
USER NAME = korabmp	DESIGNED - JS	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE =	CHECKED - JM	REVISED -
PLOT DATE = 8/6/2024	DATE - 2/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP METER CONSTRUCTION PLANS
N CALDWELL AVE TO EB I-94

SCALE: 1" = 20' SHEET 5 OF 15 SHEETS STA. TO STA.

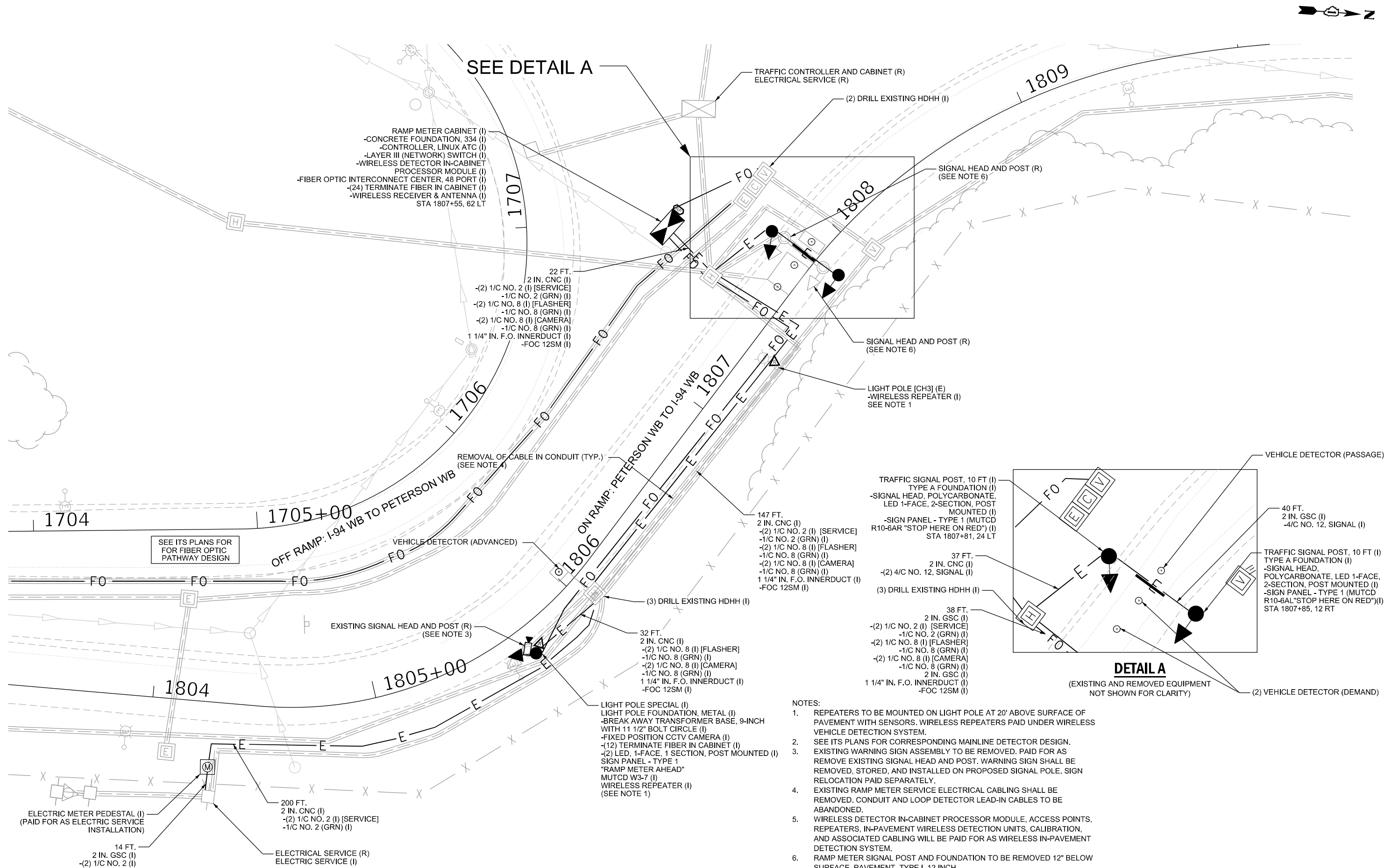
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	98
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				



RMP-06

JWI J.A. Watts, Inc. www.jwincorporated.com	USER NAME = korabmp	DESIGNED - JS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RAMP METER CONSTRUCTION PLANS PETERSON AVE TO EB I-94			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - KK	REVISED -					94/41	FAP 0346 23 SIGN	COOK	208	99
	PLOT DATE = 8/6/2024	CHECKED - JM	REVISED -					CONTRACT NO. 62V17				
	DATE - 2/9/2024	REVISED -	ILLINOIS FED. AID PROJECT									
		SCALE: 1" = 20'		SHEET 6 OF 15 SHEETS		STA. TO STA.						

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RMP-07



USER NAME =	korabmp
DESIGNED -	JS
DRAWN -	KK
PLOT SCALE =	
CHECKED -	JM
DATE -	2/7/2024
PLOT DATE =	8/6/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP METER CONSTRUCTION PLANS
PETERSON AVE TO WB I-94

SCALE: 1" = 20' SHEET 7 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	100
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

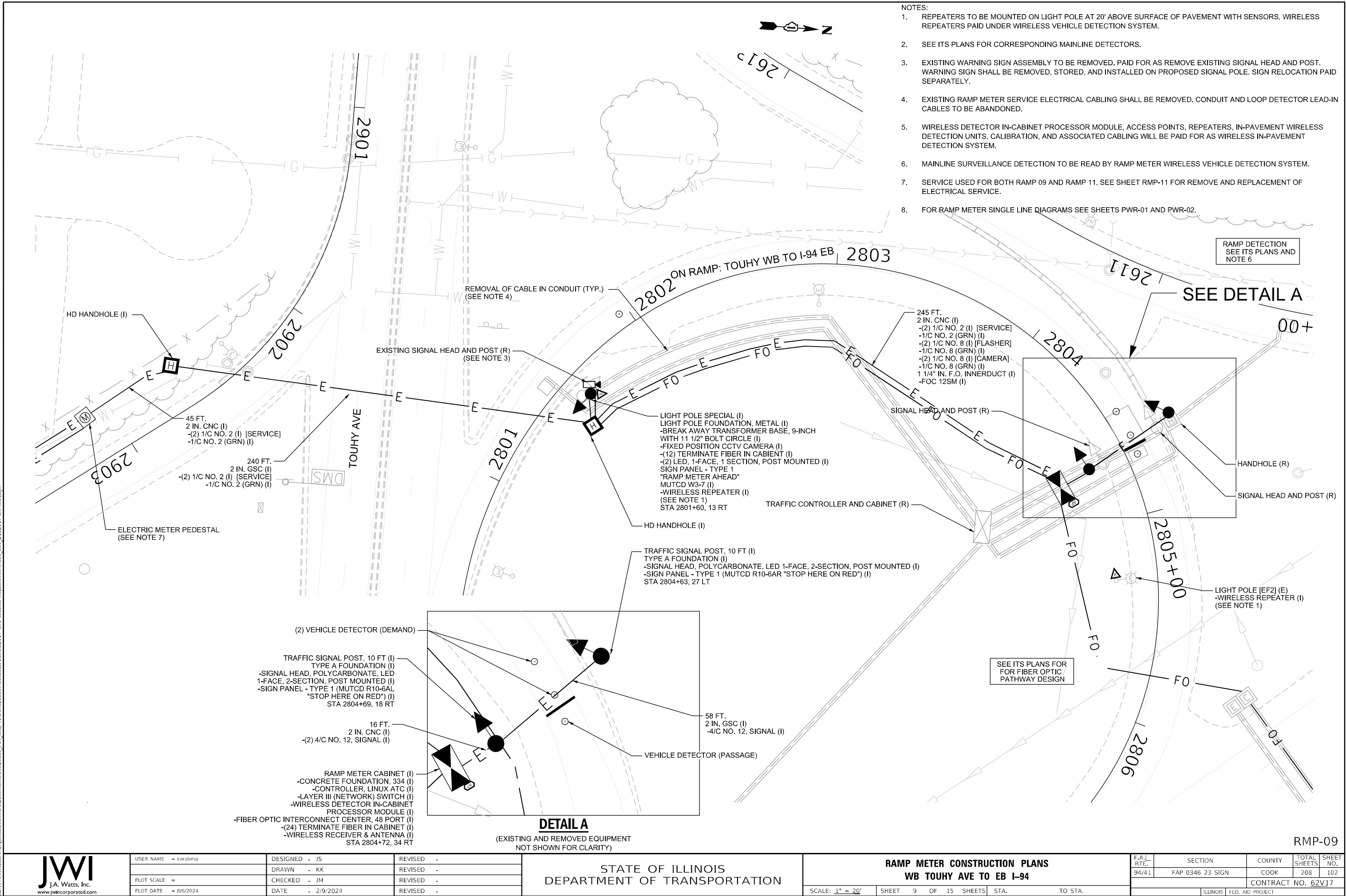
-
2. SEE ITS PLANS FOR CORRESPONDING MAINLINE DETECTORS.
3. EXISTING WARNING SIGN ASSEMBLY TO BE REMOVED. PAID FOR AS REMOVE EXISTING SIGNAL HEAD AND POST. WARNING SIGN SHALL BE REMOVED, STORED, AND INSTALLED ON PROPOSED SIGNAL POLE. SIGN RELOCATION PAID SEPARATELY.
4. EXISTING RAMP METER SERVICE ELECTRICAL CABLING SHALL BE REMOVED. CONDUIT AND LOOP DETECTOR LEAD-IN CABLES TO BE ABANDONED.
5. WIRELESS DETECTOR IN-CABINET PROCESSOR MODULE, ACCESS POINTS, REPEATERS, IN-PAVEMENT WIRELESS DETECTION UNITS, CALIBRATION, AND ASSOCIATED CABLING WILL BE PAID FOR AS WIRELESS IN-PAVEMENT DETECTION SYSTEM.
6. OFF-RAMP SURVEILLANCE DETECTION TO BE READ BY RAMP METER WIRELESS VEHICLE DETECTION SYSTEM.
7. RAMP METER SIGNAL POST AND FOUNDATION TO BE REMOVED 12" BELOW SURFACE. PAVEMENT, TYPE I, 12 INCH.
8. FOR RAMP METER SINGLE LINE DIAGRAM SEE SHEETS PWR-01 AND PWR-02.
- RAMP DETECTION
SEE ITS PLANS AND
NOTE 6
- REMOVAL OF CABLE IN CONDUIT (TYP.)
(SEE NOTE 4)
- SEE DETAIL A
- TRAFFIC CONTROLLER AND CABINET (R)
ELECTRICAL SERVICE (R)
- SIGNAL HEAD AND POST (R)
(SEE NOTE 7)
- VEHICLE DETECTOR (ADVANCED)
- VEHICLE DETECTOR (PASSAGE)
- TRAFFIC SIGNAL POST, 10 FT (I)
TYPE A FOUNDATION (I)
-SIGNAL HEAD, POLYCARBONATE, LED
1-FACE, 2-SECTION, POST MOUNTED (I)
-SIGN PANEL - TYPE 1 (MUTCD R10-6AR)
"STOP HERE ON RED" (I)
STA 2509+35, 33 LT
- TRAFFIC SIGNAL POST, 10 FT (I)
TYPE A FOUNDATION (I)
-SIGNAL HEAD, POLYCARBONATE, LED
1-FACE, 2-SECTION, POST MOUNTED
-SIGN PANEL - TYPE 1 (MUTCD R10-6A)
"STOP HERE ON RED" (I)
- 25 FT.
2 IN. GSC (I)
-4/C NO. 12, SIGNAL (I)
- 51 FT.
2 IN. CNC (I)
-FOC 12SM (I)
- 28 FT.
2 IN. CNC (I)
-(2) 4/C NO. 12, SIGNAL (I)
- 45 FT.
2 IN. GSC (I)
-(2) 1/C NO. 2 (I) [SERVICE]
-1/C NO. 2 (GRN) (I)
-(2) 1/C NO. 8 (I) [FLASHER]
-1/C NO. 8 (GRN) (I)
-(2) 1/C NO. 8 (I) [CAMERA]
-1/C NO. 8 (GRN) (I)
2 IN. GSC (I)
1 1/4" IN. F.O. INNERDUCT (I)
-FOC 12SM (I)
- 206 FT.
2 IN. CNC (I)
-(2) 1/C NO. 8 [FLASHER] (I)
-1/C NO. 8 (GRN) (I)
-(2) 1/C NO. 8 [CAMERA] (I)
-1/C NO. 8 (GRN) (I)
1 1/4" IN. F.O. INNERDUCT (I)
-FOC 12SM (I)
- 334 FT.
2 IN. CNC (I)
-(2) 1/C NO. 2 (I) [SERVICE]
-1/C NO. 2 (GRN) (I)
- 20 FT.
2 IN. GSC (I)
-(2) 1/C NO. 2 (I)
- ELECTRIC METER PEDESTAL (I)
(PAID FOR AS ELECTRIC SERVICE
INSTALLATION)
- ELECTRICAL SERVICE (R)
ELECTRIC SERVICE (I)
- EXISTING SIGNAL HEAD AND POST (R)
(SEE NOTE 3)
- OFF RAMP: I-94 WB TO TOUHY WB
ON RAMP: TOUHY WB TO I-94 WB
- 2505+00 2506 2507 2508 2509 2510+00 2511
- SEE ITS PLANS FOR
FOR FIBER OPTIC
PATHWAY DESIGN
- LIGHT POLE SPECIAL (I)
LIGHT POLE FOUNDATION, METAL (I)
-BREAK AWAY TRANSFORMER BASE, 9-INCH
WITH 11 1/2" BOLT CIRCLE (I)
-FIXED POSITION CCTV CAMERA (I)
-(12) TERMINATE FIBER OPTIC IN CABINET (I)
-(2) LED, 1-FACE, 1 SECTION, POST MOUNTED
(I)
SIGN PANEL - TYPE 1
"RAMP METER AHEAD"
MUTCD W3-7 (I)
WIRELESS REPEATER (I)
(SEE NOTE 1)
STA 2507+58, 20 RT
- RAMP METER CABINET (I)
-CONCRETE FOUNDATION, 334 (I)
-CONTROLLER, LINUX ATC (I)
-LAYER III (NETWORK) SWITCH (I)
-WIRELESS DETECTOR IN-CABINET
PROCESSOR MODULE (I)
-FIBER OPTIC INTERCONNECT CENTER, 48 PORT (I)
-(12) TERMINATE FIBER IN CABINET (I)
-WIRELESS RECEIVER & ANTENNA (I)
STA 2509+35, 33 LT
- DETAIL A
- (2) VEHICLE DETECTOR (DEMAND)
- (2) DRILL EXISTING HDHH (I)
- (EXISTING AND REMOVED EQUIPMENT
NOT SHOWN FOR CLARITY)

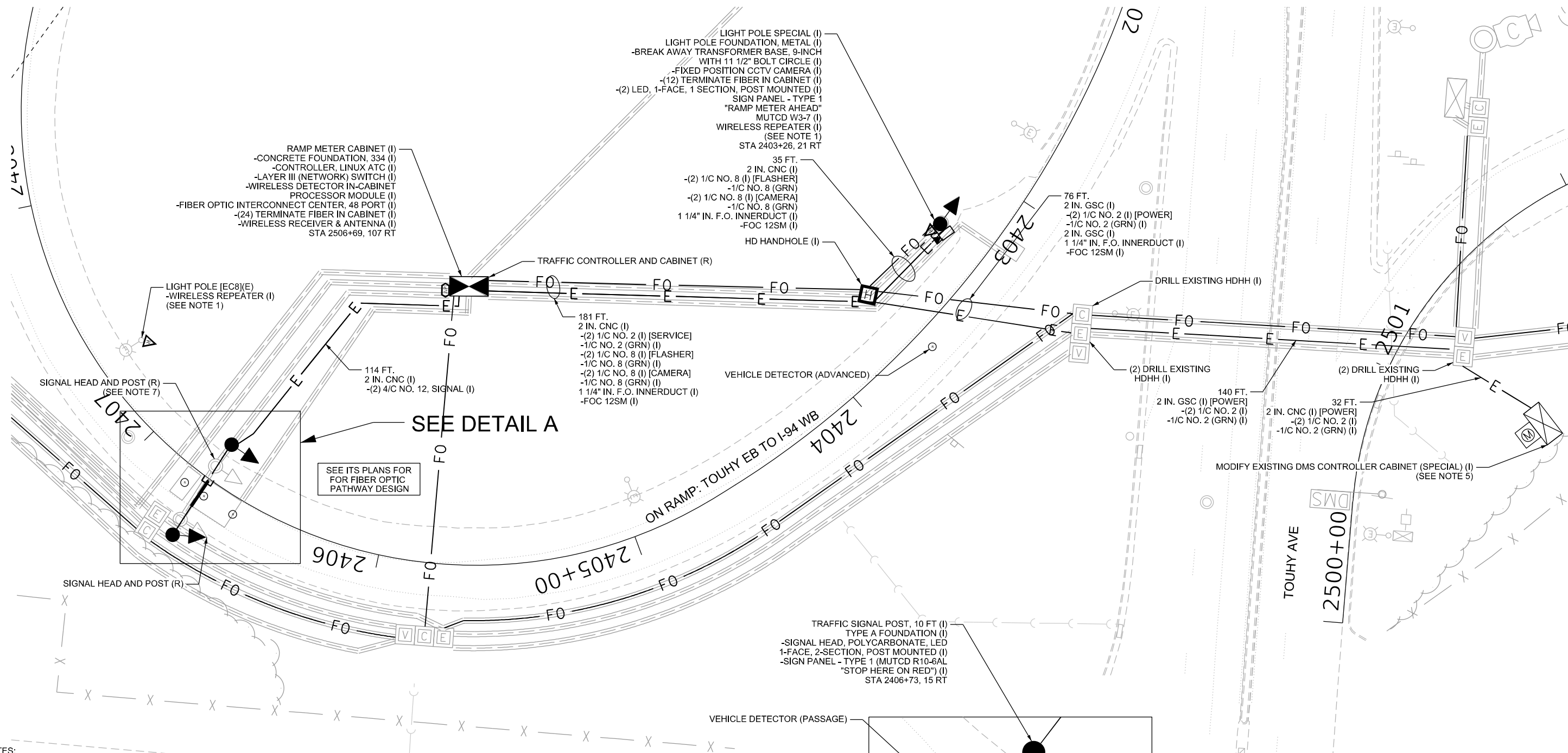
SEE DETAIL A

TRAFFIC SIGNAL POST, 10 FT (I)
TYPE A FOUNDATION (I)
-SIGNAL HEAD, POLYCARBONATE, LED
1-FACE, 2-SECTION, POST MOUNTED (I)
-SIGN PANEL - TYPE 1 (MUTCD R10-6AL
"STOP HERE ON RED") (I)

(EXISTING AND REMOVED EQUIPMENT
NOT SHOWN FOR CLARITY)

J:\Projects\Illinois\J:\Projects\Illinois\Documents\03020600_194_U.S. 41\03020600\706cad\713ra062V17 (ITS Cabinet Replacement)\030_009_D1E2V17-shr-RMP.dgn



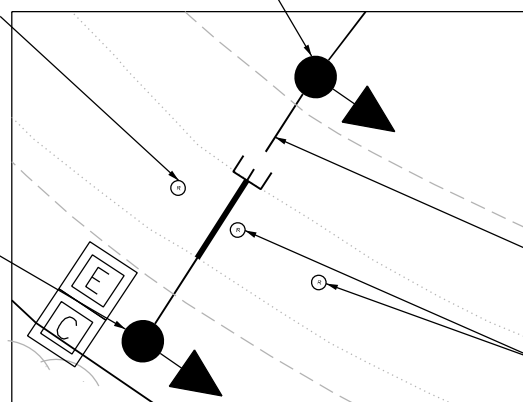


NOTES:

1. REPEATERS TO BE MOUNTED ON LIGHT POLE AT 20' ABOVE SURFACE OF PAVEMENT WITH SENSORS. WIRELESS REPEATERS PAID UNDER WIRELESS VEHICLE DETECTION SYSTEM.
2. SEE ITS PLANS FOR CORRESPONDING MAINLINE DETECTOR DESIGN.
3. EXISTING WARNING SIGN ASSEMBLY TO BE REMOVED. PAID FOR AS REMOVE EXISTING SIGNAL HEAD AND POST. WARNING SIGN SHALL BE REMOVED, STORED, AND INSTALLED ON PROPOSED SIGNAL POLE. SIGN RELOCATION PAID SEPARATELY.
4. EXISTING RAMP METER SERVICE ELECTRICAL CABLING SHALL BE REMOVED. CONDUIT AND LOOP DETECTOR LEAD-IN CABLES TO BE ABANDONED.
5. INSTALL NEW 20 AMP CIRCUIT BREAKER IN EXISTING CABINET FOR PROPOSED RAMP METER POWER FEED. PAID FOR AS MODIFY EXISTING CONTROLLER CABINET (SPECIAL).
6. WIRELESS DETECTOR IN-CABINET PROCESSOR MODULE, ACCESS POINTS, REPEATERS, IN-PAVEMENT WIRELESS DETECTION UNITS, CALIBRATION, AND ASSOCIATED CABLING WILL BE PAID FOR AS ACTIVE WRONG WAY DETECTION SYSTEM.
7. RAMP METER SIGNAL POST AND FOUNDATION TO BE REMOVED 12" BELOW SURFACE. PAVEMENT, TYPE I, 12 INCH.
8. FOR RAMP METER SINGLE LINE DIAGRAM SEE SHEET PWR-01 AND PWR-02.

VEHICLE DETECTOR (PASSAGE)

TRAFFIC SIGNAL POST, 10 FT (I)
TYPE A FOUNDATION (I)
-SIGNAL HEAD, POLYCARBONATE, LED
1-FACE, 2-SECTION, POST MOUNTED (I)
-SIGN PANEL - TYPE 1 (MUTCD R10-6AR
"STOP HERE ON RED") (I)
STA 2406+71, 26 LT



DETAIL A

(EXISTING AND REMOVED EQUIPMENT
NOT SHOWN FOR CLARITY)



USER NAME	= korabmp
PLOT SCALE	=
PLOT DATE	= 8/6/2024

DESIGNED	- JS
DRAWN	- KK
CHECKED	- JM
DATE	- 2/9/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

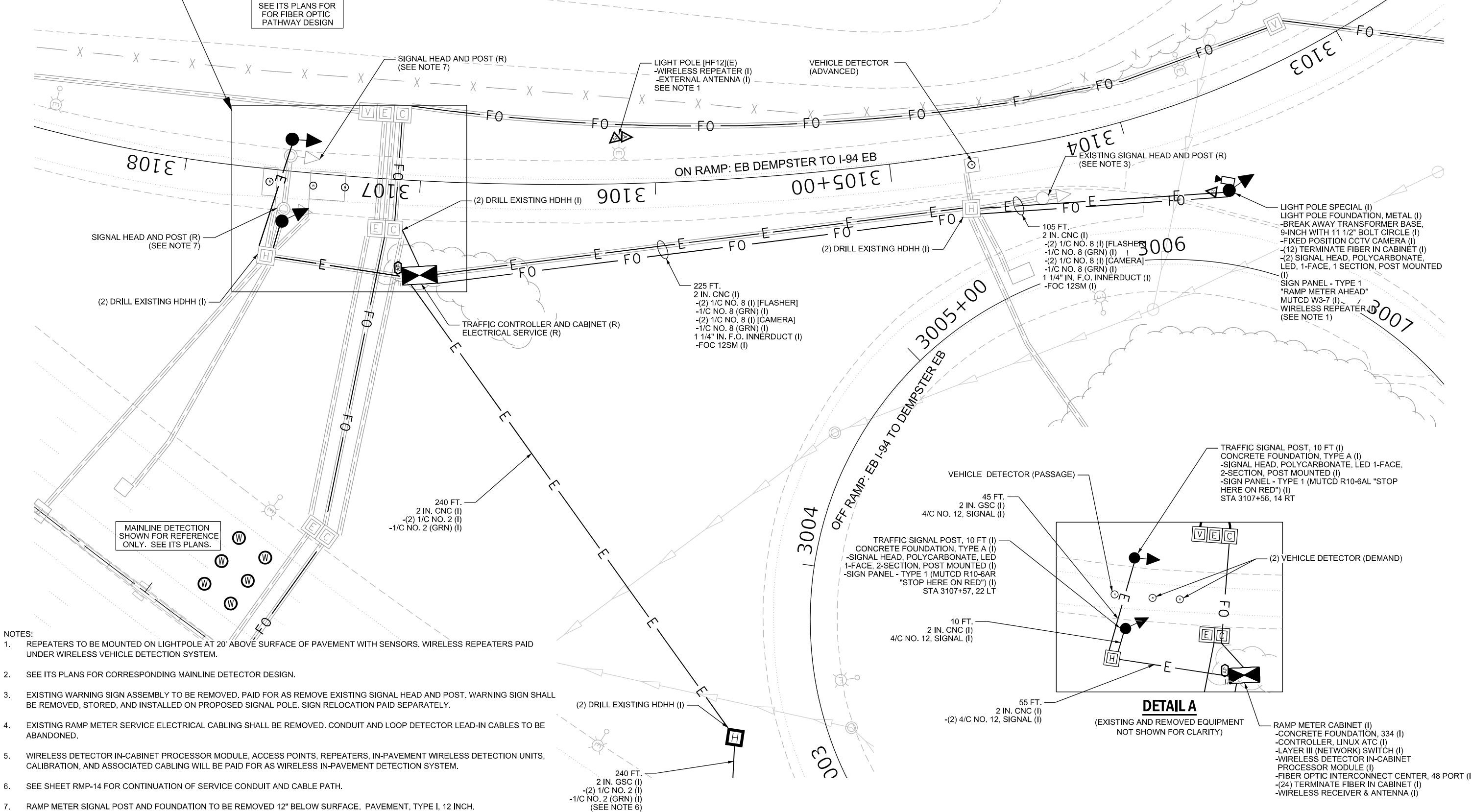
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**RAMP METER CONSTRUCTION PLANS
EB TOUHY AVE TO WB I-94**

SCALE: 1" = 20' SHEET 10 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	103
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

RMP-10



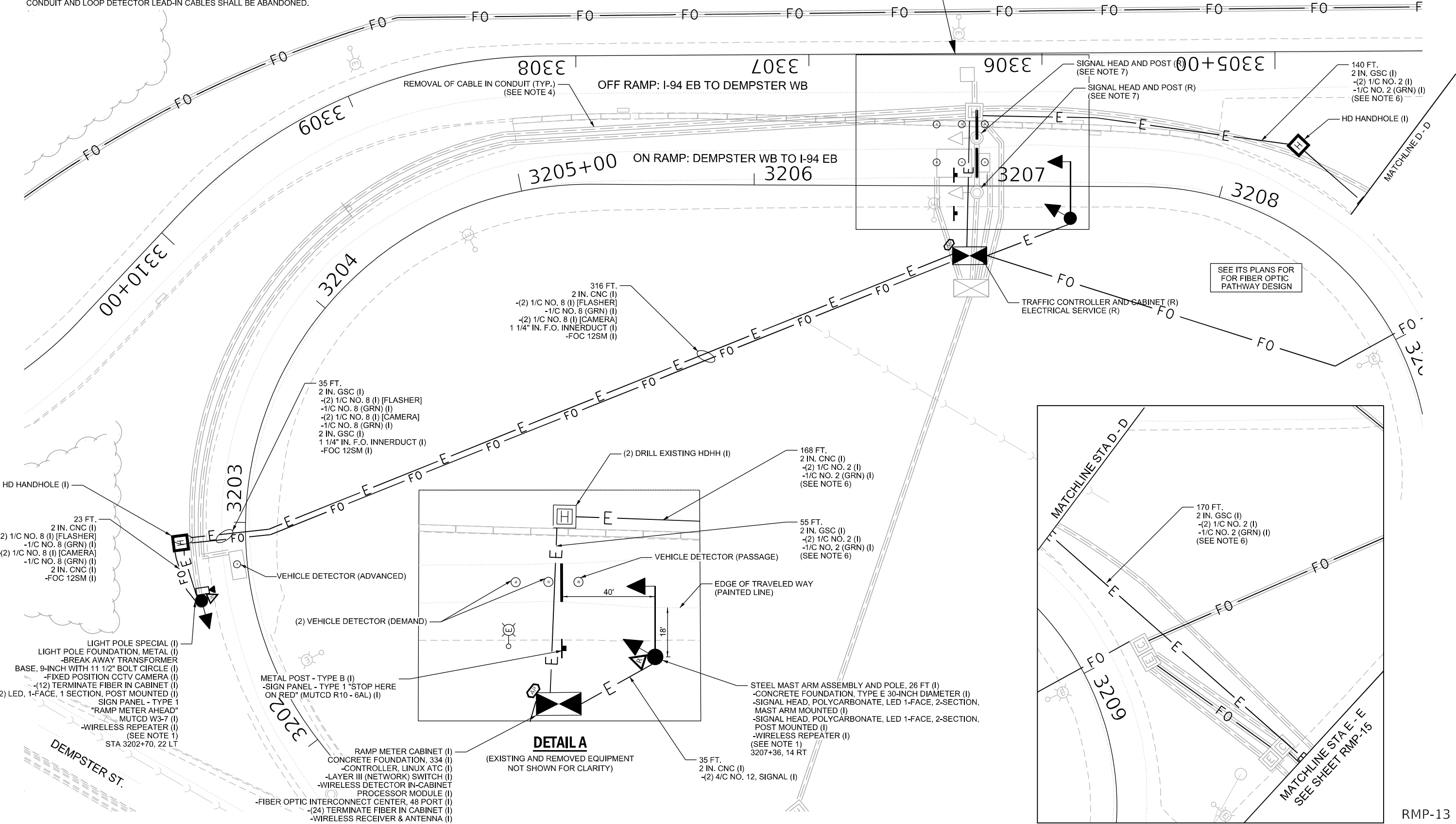
- NOTES:
1. REPEATERS TO BE MOUNTED ON LIGHTPOLE AT 20' ABOVE SURFACE OF PAVEMENT WITH SENSORS. WIRELESS REPEATERS PAID UNDER WIRELESS VEHICLE DETECTION SYSTEM.
 2. SEE ITS PLANS FOR CORRESPONDING MAINLINE DETECTOR DESIGN.
 3. EXISTING WARNING SIGN ASSEMBLY TO BE REMOVED. PAID FOR AS REMOVE EXISTING SIGNAL HEAD AND POST. WARNING SIGN SHALL BE REMOVED, STORED, AND INSTALLED ON PROPOSED SIGNAL POLE. SIGN RELOCATION PAID SEPARATELY.
 4. EXISTING RAMP METER SERVICE ELECTRICAL CABLING SHALL BE REMOVED. CONDUIT AND LOOP DETECTOR LEAD-IN CABLES TO BE ABANDONED.
 5. WIRELESS DETECTOR IN-CABINET PROCESSOR MODULE, ACCESS POINTS, REPEATERS, IN-PAVEMENT WIRELESS DETECTION UNITS, CALIBRATION, AND ASSOCIATED CABLING WILL BE PAID FOR AS WIRELESS IN-PAVEMENT DETECTION SYSTEM.
 6. SEE SHEET RMP-14 FOR CONTINUATION OF SERVICE CONDUIT AND CABLE PATH.
 7. RAMP METER SIGNAL POST AND FOUNDATION TO BE REMOVED 12" BELOW SURFACE. PAVEMENT, TYPE I, 12 INCH.
 8. FOR RAMP METER SINGLE LINE DIAGRAM SEE SHEETS PWR-01 AND PWR-02.



- NOTES:
1. REPEATERS TO BE MOUNTED ON LIGHT POLE AT 20' ABOVE SURFACE OF PAVEMENT WITH SENSORS. WIRELESS REPEATERS PAID UNDER WIRELESS VEHICLE DETECTION SYSTEM.
 2. SEE ITS PLANS FOR CORRESPONDING MAINLINE DETECTOR DESIGN.
 3. EXISTING WARNING SIGN ASSEMBLY TO BE REMOVED. PAID FOR AS REMOVE EXISTING SIGNAL HEAD AND POST. WARNING SIGN SHALL BE REMOVED, STORED, AND INSTALLED ON PROPOSED SIGNAL POLE. SIGN RELOCATION PAID SEPARATELY.
 4. EXISTING RAMP METER SERVICE ELECTRICAL CABLING SHALL BE REMOVED. CONDUIT AND LOOP DETECTOR LEAD-IN CABLES SHALL BE ABANDONED.

- NOTES (CONT):
5. WIRELESS DETECTOR IN-CABINET PROCESSOR MODULE, ACCESS POINTS, REPEATERS, IN-PAVEMENT WIRELESS DETECTION UNITS, CALIBRATION, AND ASSOCIATED CABLING WILL BE PAID FOR AS ACTIVE WIRELESS IN-PAVEMENT DETECTION SYSTEM.
 6. SEE SHEET RMP-15 FOR CONTINUATION OF CONDUIT AND CABLE PATH.
 7. RAMP METER SIGNAL POST AND FOUNDATION TO BE REMOVED 12" BELOW SURFACE. PAVEMENT, TYPE I, 12 INCH.
 8. FOR RAMP METER SINGLE LINE DIAGRAMS SEE SHEETS PWR-01 AND PWR-02.

SEE DETAIL A



RMP-13



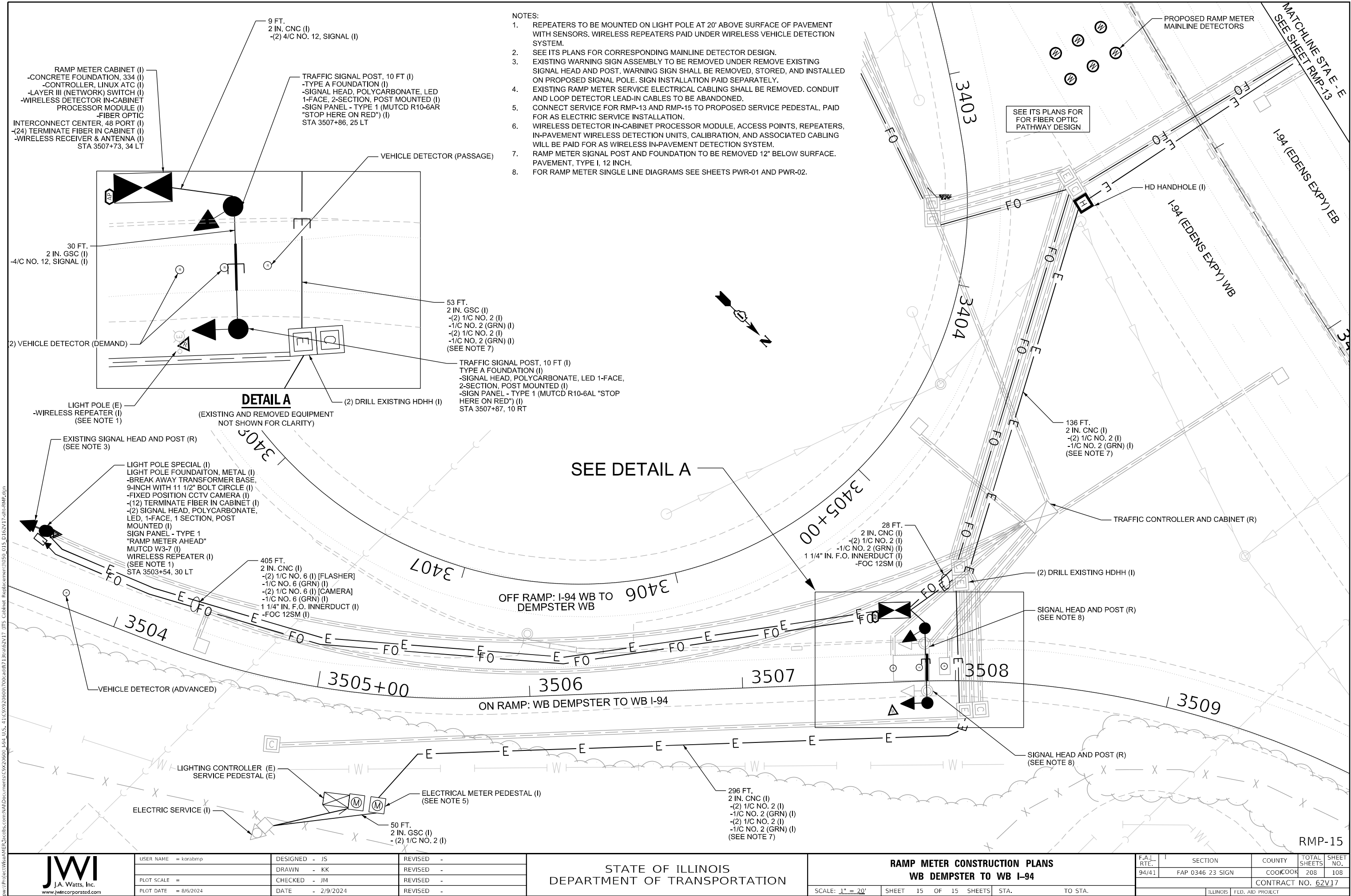
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PLOT SCALE =		DRAWN -	KK	REVISED -	
PLOT DATE =	8/6/2024	CHECKED -	JM	REVISED -	
		DATE -	2/9/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

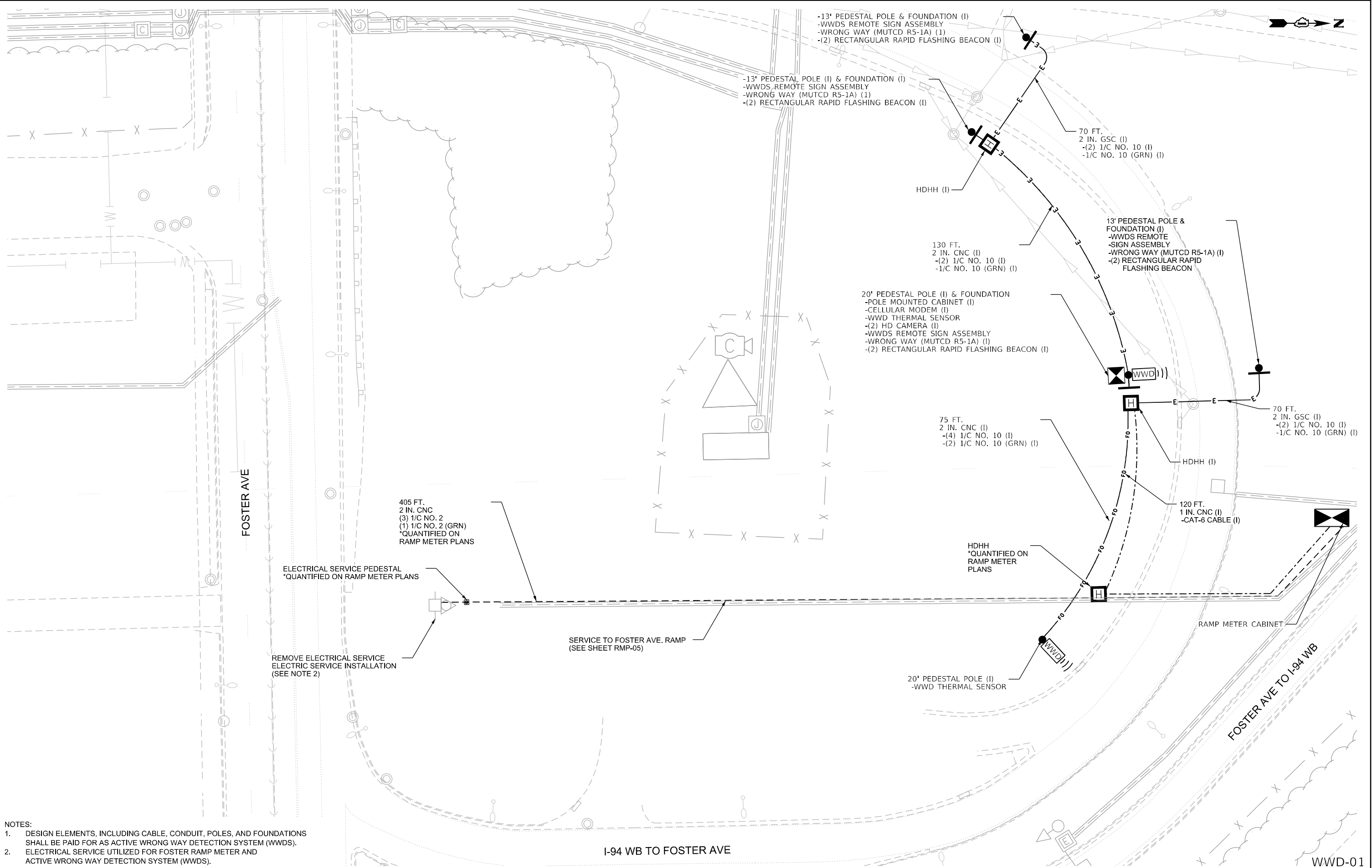
RAMP METER CONSTRUCTION PLANS
WB DEMPSTER TO EB I-94

SCALE: 1" = 20' SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	106
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				



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USER NAME = korabmp	DESIGNED - MPK
PLOT SCALE =	DRAWN - MPK
PLOT DATE = 8/6/2024	CHECKED - CRH
	DATE - 2/9/2024

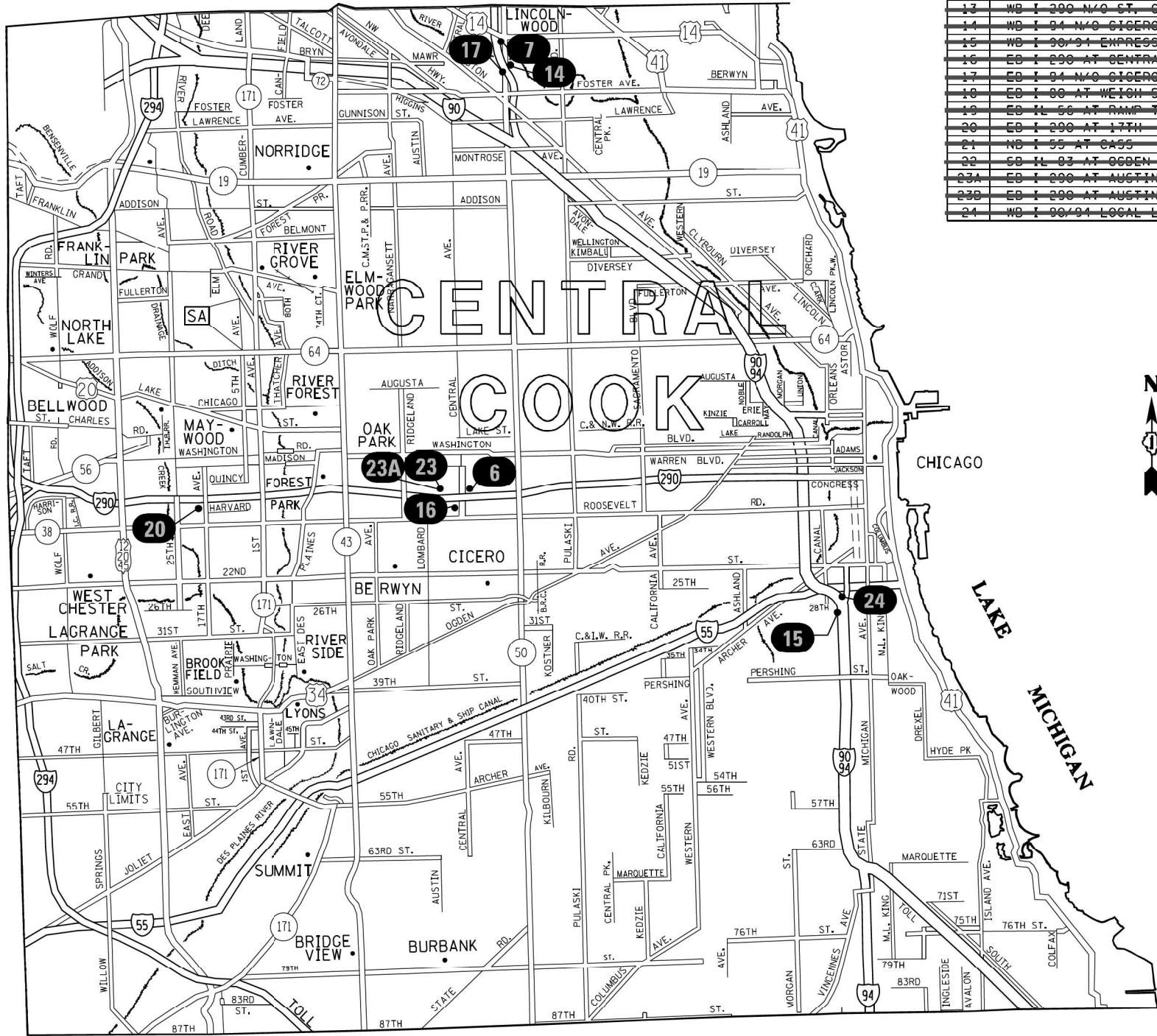
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WRONG WAY DETECTION PLAN
FOSTER AVE OFF RAMP

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK	208	109
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				



LOC. NO.	LOCATION NAME	STRUCTURE NO.	CLASIFICATION	ADT	POSTED SPEED	MUNICIPALITY	COUNTY
1	WB I-94 AT IL-58/DEMPSTER	150161094L037.5-000	EXPRESSWAY	138,700	55	SKOKIE	COOK
2	WB I-94 AT 111TH	150161094L066.0-000	EXPRESSWAY	140,500	55	CHICAGO	COOK
3	EB I-94 AT STONY ISLAND	150161094R065.7-000	EXPRESSWAY	140,500	55	CHICAGO	COOK
4	WB I-290 AT I-355	150221390L000.0-001	EXPRESSWAY	124,300	55	ITAGSA	DUPAGE
5	SB I-55 CB ROAD AT IL-83	150221055L274.0-000	EXPRESSWAY	12,000	55	WILLOWBROOK	COOK
6	WB I-290 E/O CENTRAL	150161290L023.0-000	EXPRESSWAY	104,900	55	CHICAGO	COOK
7	WB I-94 AT PETERSON	150161094L041.5-000	EXPRESSWAY	149,100	55	CHICAGO	COOK
8	WB I-94 AT LAKE	150161094L034.6-000	EXPRESSWAY	133,000	55	WILMETTE	COOK
9	WB I-94 AT US-41/EDENS SPUR	150161094L030.0-000	EXPRESSWAY	114,800	55	NORTHBROOK	COOK
10	NB US-41 AT LAKE-COOK RD.	15016U041R000.0-000	EXPRESSWAY	62,400	55	HIGHLAND PARK	COOK
11	WB I-94 AT IL-68/DUNDEE	150161094L030.3-000	EXPRESSWAY	136,900	55	NORTHBROOK	COOK
12	SB I-57 AT I-80	150161057L345.0-000	EXPRESSWAY	105,000	55	COUNTRY CLUB HILLS	COOK
13	WB I-290 N/O ST. CHARLES	150221290L014.3-000	EXPRESSWAY	124,200	55	ELMHURST	DUPAGE
14	WB I-94 N/O CICERO	150161094L041.0-000	EXPRESSWAY	150,300	55	CHICAGO	COOK
15	WB I-90/94 EXPRESS AT 29TH	150161094L051.2-000	EXPRESSWAY	257,100	55	CHICAGO	COOK
16	EB I-290 AT CENTRAL	150161290R023.1-000	EXPRESSWAY	197,100	55	CHICAGO	COOK
17	EB I-94 N/O CICERO	150161094R041.0-000	EXPRESSWAY	150,300	55	CHICAGO	COOK
18	EB I-80 AT WEIGH STATION	150991000R0142.0-000	EXPRESSWAY	102,300	65	MOKEHA	WILL
19	EB IL 55 AT RAMP TO EB IL 30	150225055R000.0-000	ARTERIAL	25,000	45	OAKBROOK	DUPAGE
20	EB I-290 AT 17TH	150161290R010.0-000	EXPRESSWAY	171,000	55	MAYWOOD	COOK
21	NB I-55 AT CASS	150221055R272.0-000	EXPRESSWAY	152,600	55	DARIEN	DUPAGE
22	SB IL 83 AT OGDEN	150225083L000.0-002	ARTERIAL	56,000	55	WESTMONT	DUPAGE
23A	EB I-290 AT AUSTIN	150161290R023.2-000	EXPRESSWAY	160,600	55	OAK PARK	COOK
23B	EB I-290 AT AUSTIN	150161290R023.2-000	EXPRESSWAY	160,600	55	OAK PARK	COOK
24	WB I-90/94 LOCAL LANES AT 29TH	150161094L051.2-000	EXPRESSWAY	257,100	45	CHICAGO	COOK

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SGN-02

MODEL: Default
FILE NAME: p:\work\ben\ben\com\FWIDOT\Documents\IDOT Offices\District 11\Projects\M602420\CAD\Drawn\Traffic\M602420-CH-Genetrad.dgn

USER NAME = mezag	DESIGNED - IDOT	REVISED -
DRAWN - IDOT	REVISID -	
PLOT SCALE = 100,0000 " / in.	CHECKED - IDOT	REVISED -
PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP (2 OF 5)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	111
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

Model: Default
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LOCATION NO.		1	STATE I.D. NO.		1S016I094L037.5-000		
COUNTY	COOK	ROUTE	I-94	M. P.	37.5	DIRECTION	WB
PAY ITEM DESCRIPTION						UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"						SQ YD	10
SEEDING, CLASS 2A						ACRE	0.004
NITROGEN FERTILIZER NUTRIENT						POUND	0.12
POTASSIUM FERTILIZER NUTRIENT						POUND	0.12
EROSION CONTROL BLANKET						SQ YD	50
CONCRETE BARRIER REMOVAL						FOOT	30
CONCRETE BARRIER TRANSITION						FOOT	20
TEMPORARY CONCRETE BARRIER WALL						FOOT	200
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3						EACH	2
SIGN PANEL - TYPE 3						SQ FT	586.5
OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4' 6" X 5' 3")						FOOT	106
DRILLED SHAFT CONCRETE FOUNDATIONS						CU YD	36.1
REMOVE OVERHEAD SIGN STRUCTURE - SPAN						EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD						EACH	1
BARRIER WALL REFLECTORS, TYPE C						EACH	16
REMOVE ELECTRIC SERVICE						EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)						LSUM	0.043

LOCATION NO.		7	STATE I.D. NO.		1S016I094L041.5-000		
COUNTY	COOK	ROUTE	I-94	M. P.	41.5	DIRECTION	WB
PAY ITEM DESCRIPTION						UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"						SQ YD	10
SEEDING, CLASS 2A						ACRE	0.004
NITROGEN FERTILIZER NUTRIENT						POUND	0.12
POTASSIUM FERTILIZER NUTRIENT						POUND	0.12
EROSION CONTROL BLANKET						SQ YD	50
CONCRETE BARRIER REMOVAL						FOOT	30
CONCRETE BARRIER TRANSITION						FOOT	20
PAVEMENT MARKING REMOVAL						SQ FT	325
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV 4"						FOOT	600
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"						FOOT	300
GROOVING FOR RECESSED PAVEMENT MARKING - 6"						FOOT	300
THERMOPLASTIC PAVEMENT MARKING - 4"						FOOT	600
REPLACEMENT REFLECTORS						EACH	32
TEMPORARY CONCRETE BARRIER WALL						FOOT	200
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3						EACH	2
SIGN PANEL - TYPE 3						SQ FT	565.25
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4' 0"X4' 6")						FOOT	100
TEMP PVT MK TAPE TYPE IV - 5"						FOOT	300

LOCATION NO.		7	STATE I.D. NO.		1S016I094L041.5-000		
COUNTY	COOK	ROUTE	I-94	M. P.	41.5	DIRECTION	WB
PAY ITEM DESCRIPTION						UNIT	QTY
DRILLED SHAFT CONCRETE FOUNDATIONS						CU YD	31.7
REMOVE OVERHEAD SIGN STRUCTURE - SPAN						EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD						EACH	1
BARRIER WALL REFLECTORS, TYPE C						EACH	16
REMOVE ELECTRIC SERVICE						EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)						LSUM	0.043

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SGN-03

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES (SHEET 1 OF 4)				F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000 ' / in.	DRAWN - IDOT	REVISED -						94	FAP 0346 23 SIGN	COOK/LAKE	208	112
	PLOT DATE = 10/20/2021	CHECKED - IDOT	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 62V17				
		DATE = 08/16/2021	REVISED -						ILLINOIS FED. AID PROJECT				

LOCATION NO.	8	STATE I. D. NO.	1S0161094L034.6-000				
COUNTY	COOK	ROUTE	I-94	M. P.	34.6	DIRECTION	WB
PAY ITEM DESCRIPTION						UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"						SQ YD	10
SEEDING, CLASS 2A						ACRE	0.004
NITROGEN FERTILIZER NUTRIENT						POUND	0.12
POTASSIUM FERTILIZER NUTRIENT						POUND	0.12
EROSION CONTROL BLANKET						SQ YD	50
CONCRETE BARRIER REMOVAL						FOOT	30
CONCRETE BARRIER TRANSITION						FOOT	20
PAVEMENT MARKING REMOVAL						SQ FT	325
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV						FOOT	600
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"						FOOT	300
GROOVING FOR RECESSED PAVEMENT MARKING - 6"						FOOT	300
THERMOPLASTIC PAVEMENT MARKING - 4"						FOOT	600
REPLACEMENT REFLECTORS						EACH	32
TEMPORARY CONCRETE BARRIER WALL						FOOT	200
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3						EACH	2
SIGN PANEL - TYPE 3						SQ FT	392.5
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'0"X4'6")						FOOT	99
DRILLED SHAFT CONCRETE FOUNDATIONS						CU YD	26.6

[illegible]

LOCATION NO.		9	STATE I. D. NO.		IS0161094L030.0-0-000			
COUNTY	COOK	ROUTE	I-94	M. P.	30.0	DIRECTION	WB	
PAY ITEM DESCRIPTION							UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"							SQ YD	10
SEEDING, CLASS 2A							ACRE	0.004
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	50
CONCRETE BARRIER REMOVAL							FOOT	30
CONCRETE BARRIER TRANSITION							FOOT	20
PAVEMENT MARKING REMOVAL							SO FT	325
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV - 4"							FOOT	600
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"							FOOT	300
GROOVING FOR RECESSED PAVEMENT MARKING - 6"							FOOT	300
THERMOPLASTIC PAVEMENT MARKING - 4"							FOOT	600
REPLACEMENT REFLECTORS							EACH	32
TEMPORARY CONCRETE BARRIER WALL							FOOT	200
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3							EACH	2
SIGN PANEL - TYPE 3							SQ FT	448.5
OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'0"X7'0")							FOOT	86
DRILLED SHAFT CONCRETE FOUNDATIONS							CU YD	28.8

[illegible]

LOCATION NO.		10	STATE I. D. NO.		1S016U041R000.0-000			
COUNTY	COOK	ROUTE	US-41	M. P.	-	DIRECTION	NB	
PAY ITEM DESCRIPTION							UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"							SQ YD	10
SEEDING, CLASS 2A							ACRE	0.004
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	50
CONCRETE BARRIER REMOVAL							FOOT	30
CONCRETE BARRIER TRANSITION							FOOT	20
PAVEMENT MARKING REMOVAL							SQ FT	325
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV - 4"							FOOT	600
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"							FOOT	300
GROOVING FOR RECESSED PAVEMENT MARKING - 6"							FOOT	300
THERMOPLASTIC PAVEMENT MARKING - 4"							FOOT	600
REPLACEMENT REFLECTORS							EACH	32
TEMPORARY CONCRETE BARRIER WALL							FOOT	200
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3							EACH	2
SIGN PANEL - TYPE 3							SQ FT	180
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'0"x4'6")							FOOT	90
DRILLED SHAFT CONCRETE FOUNDATIONS							CU YD	36.1

[illegible]

LOCATION NO.	11	STATE I. D. NO.	150161094L030. 3-000				
COUNTY	COOK	ROUTE	I-94	M. P.	30. 3	DIRECTION	WB
PAY ITEM DESCRIPTION						UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"						SQ YD	10
SEEDING, CLASS 2A						ACRE	0.004
NITROGEN FERTILIZER NUTRIENT						POUND	0.12
POTASSIUM FERTILIZER NUTRIENT						POUND	0.12
EROSION CONTROL BLANKET						SQ YD	50
CONCRETE BARRIER REMOVAL						FOOT	30
CONCRETE BARRIER TRANSITION						FOOT	20
PAVEMENT MARKING REMOVAL						SQ FT	325
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV						FOOT	600
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"						FOOT	300
GROOVING FOR RECESSED PAVEMENT MARKING - 6"						FOOT	300
THERMOPLASTIC PAVEMENT MARKING - 4"						FOOT	600
REPLACEMENT REFLECTORS						EACH	32
TEMPORARY CONCRETE BARRIER WALL						FOOT	200
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3						EACH	2
SIGN PANEL - TYPE 3						SQ FT	479.5
OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'6"X5'3")						FOOT	104
DRILLED SHAFT CONCRETE FOUNDATIONS						CU YD	42.6

[illegible]

USER NAME = mezag	DESIGNED - IDQBR / HM	REVISED - 1 LP 10/20/2018
	DRAWN - IDQLP	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - IDQH	REVISED -
PLOT DATE = 9/29/2021	DATE - 11/03/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

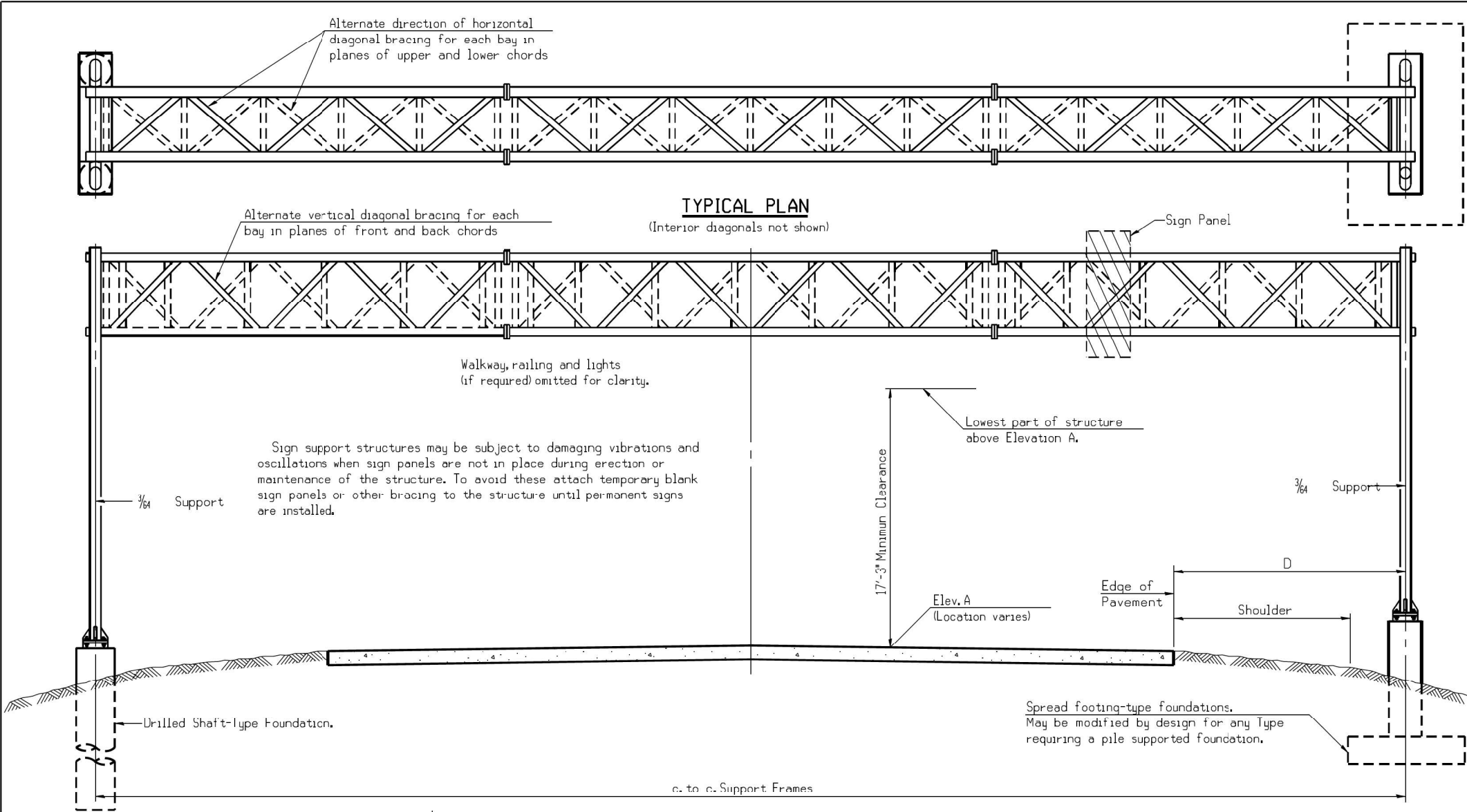
**THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.**

SGN-04

SCHEDULE OF QUANTITIES (SHEET 2 OF 4)					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						FAP 0346 23 SIGN	COOK/LAKE	208	113
					CONTRACT NO. 62V17				
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.				
					ILLINOIS	FED. AID	PROJECT		

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FILE NAME: ...
PROJECT: ...
DATE: ...



GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ('AASHTO Specifications')

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ('Standard Specifications')

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40³/₄ F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as 'high strength' must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2) of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ('ROCAP') testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6' below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	289
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	210
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	86
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	-
CONCRETE FOUNDATIONS	Cu. Yds.	-
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	201.9

TYPICAL PLAN
(Interior diagonals not shown)

TYPICAL ELEVATION
(Looking at Face of Signs**)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

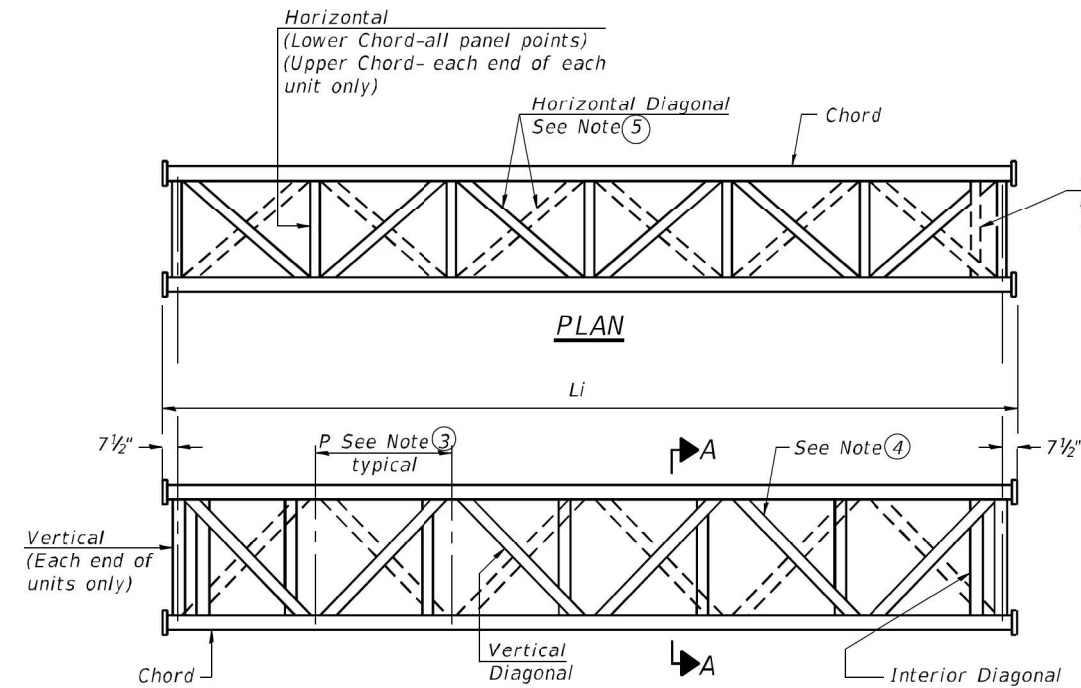
Structure Number	Location	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
IS0161094L037.5-000	1	II-A	106'	628.93'	28	12.5'	586.5 SF
IS0161094L066.0-000	2	I-A	62'	506.30'	11	11.0'	304.0 SF
IS0161094B065.7-000	3	I-A	70'	587.50'	15	8.5'	152.0 SF
IS0221290L000.0-001	4	I-A	90'	712.00'	12.5	15.0'	490.0 SF
IS0221055L271.0-000	5	I-A	60'	700.21'	7	10.5'	204.0 SF
IS0161290L023.0-000	6	I-A	62'	610.03'	10.75	14.0'	375.0 SF
IS0161094L041.5-000	7	I-A	100'	618.12'	38	12.5'	565.25 SF
IS0161094L034.6-000	8	I-A	99'	619.40'	31.67	11.0'	392.50 SF
IS0161094L030.0-000	9	III-A	86'	633.68'	26.5	15.0'	448.50 SF
IS016U041R000.0-000	10	I-A	90'	637.51'	26.5	6.0'	180.0 SF
IS0161094L030.3-000	11	II-A	104'	633.52'	39.0	12.5'	479.5 SF
IS0161057L045.0-000	12	II-A	115'	714.55'	34.0	13.5'	530.25 SF
IS0221290L014.3-000	13	I-A	64.0'	605.03'	20.0	12.5'	306.25 SF

- **Looking up station for structures with signs both sides.
- If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

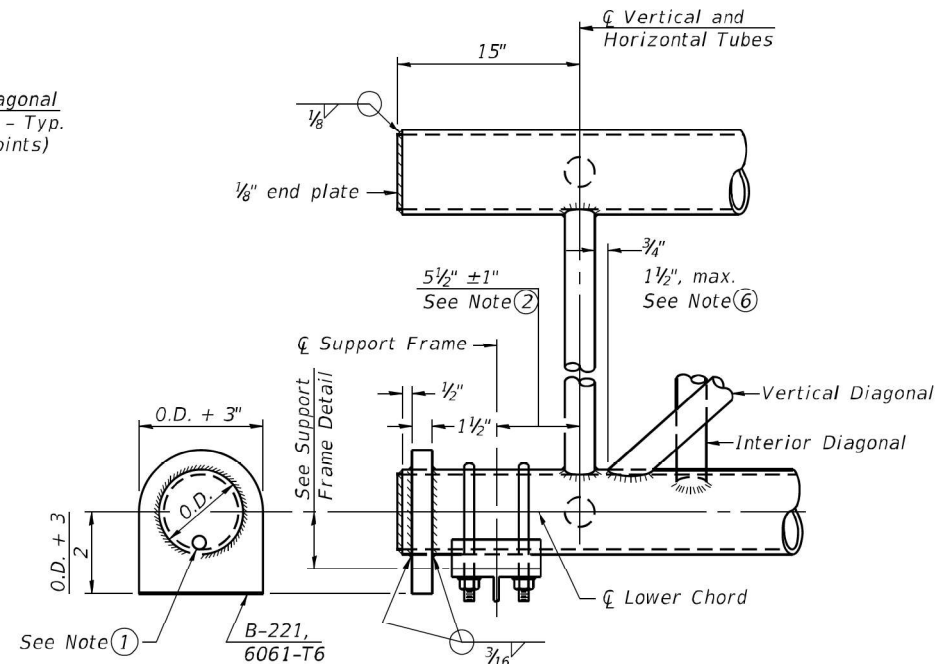
DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

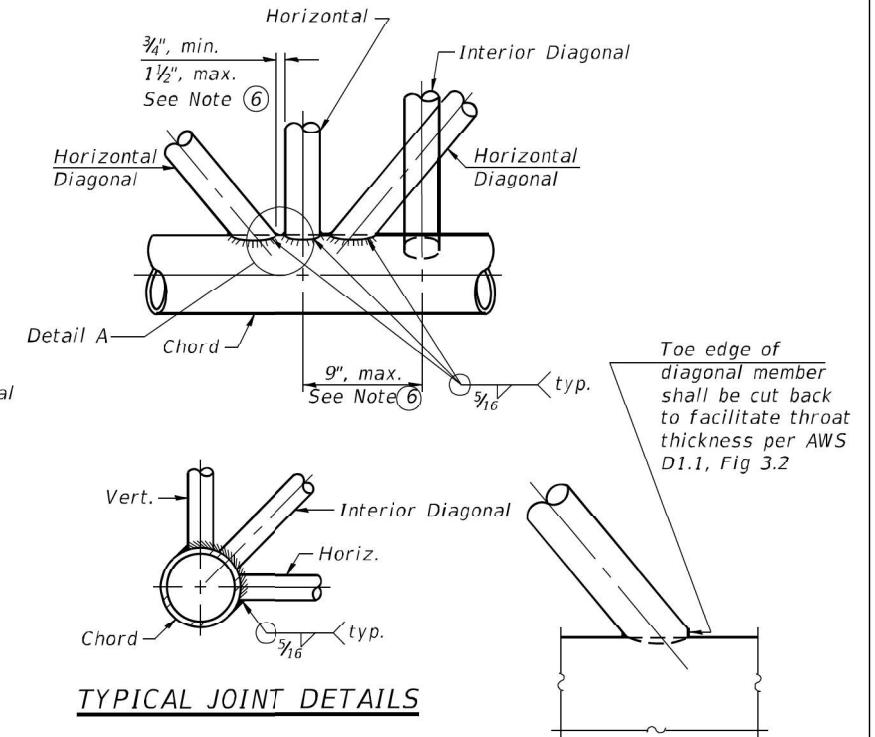
THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.



ELEVATION
TYPICAL INTERIOR UNIT
Even number of panels/interior unit required.



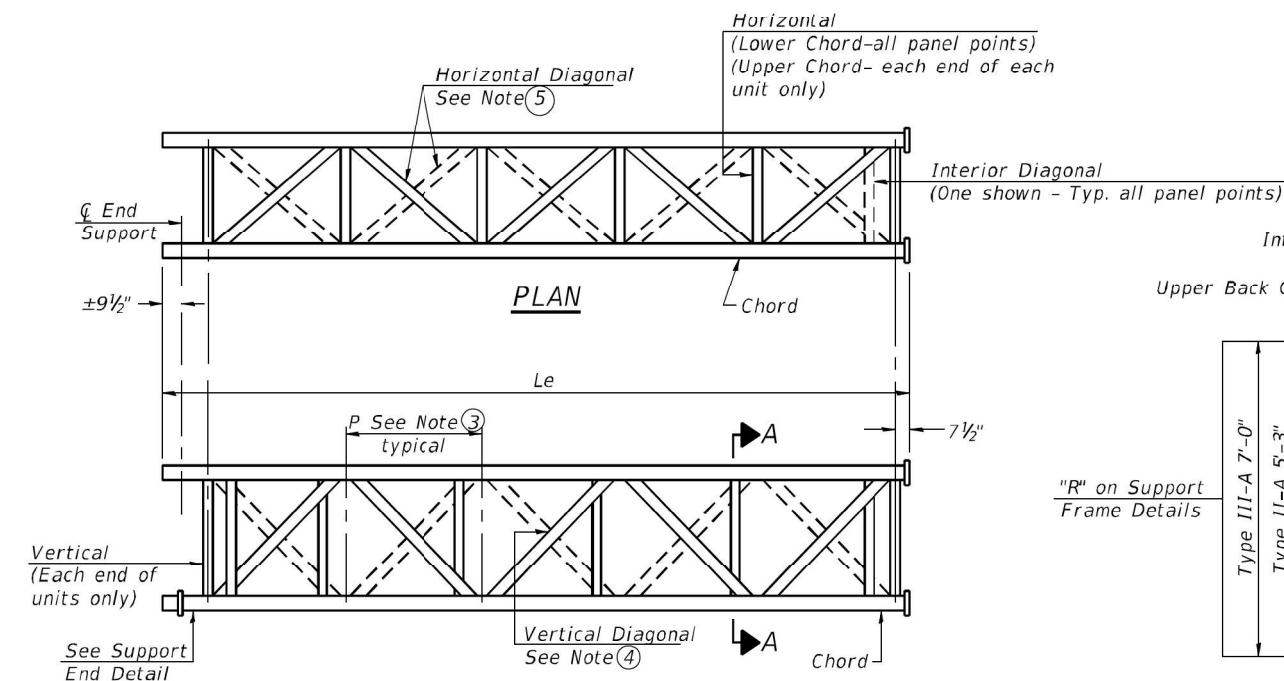
SUPPORT END DETAIL FOR EXTERIOR UNIT



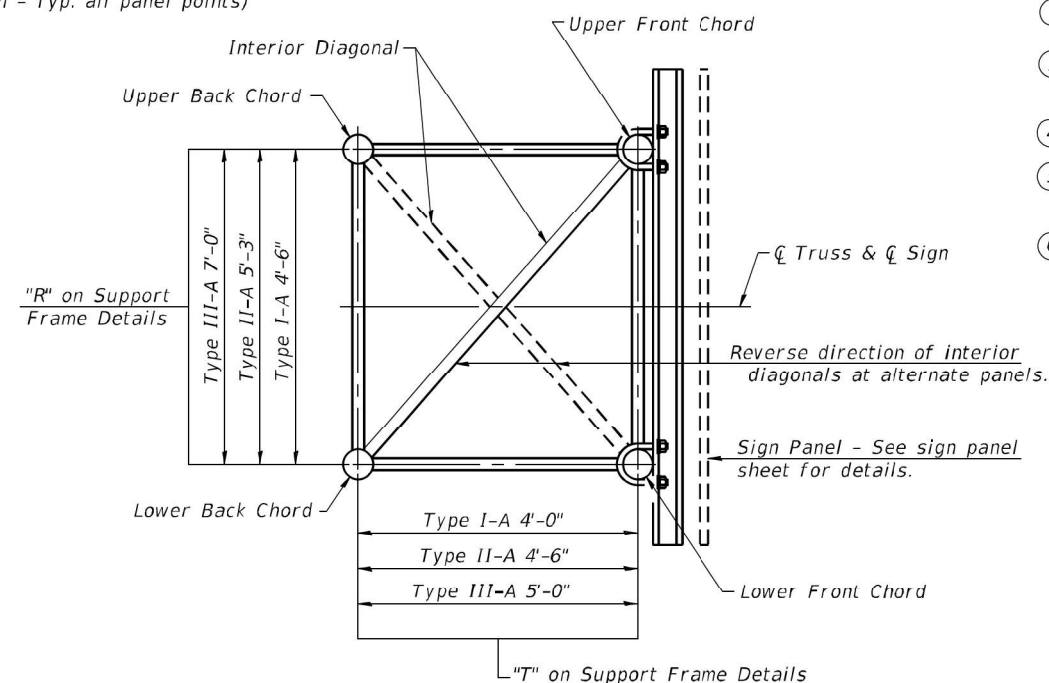
TYPICAL JOINT DETAILS

DETAIL A

- Contractor may alternatively use standard aluminum drive-fit cap to close end. 1/2" Ø drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- 5 1/2" end dimension may vary by ±1" to provide uniform panel spacing (P).
- Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
- Vertical Diagonals in front and back face shall alternate.
- Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a 3/4" minimum to 1 1/2" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.



ELEVATION
TYPICAL EXTERIOR UNIT
Even or odd number of panels/exterior units allowed.



SECTION A-A

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

05-A-2

2-17-2017

USER NAME	= mezag
PLOT SCALE	= 100,0000 sf / sq.
PLOT DATE	= 9/29/2021

DESIGNED	- IDOT
DRAWN	- IDOT
CHECKED	- IDOT
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A**

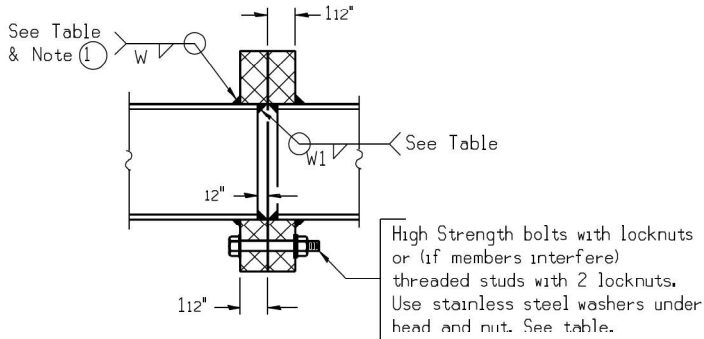
SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 62V17
		ILLINOIS		FED. AID PROJECT

SGN-06

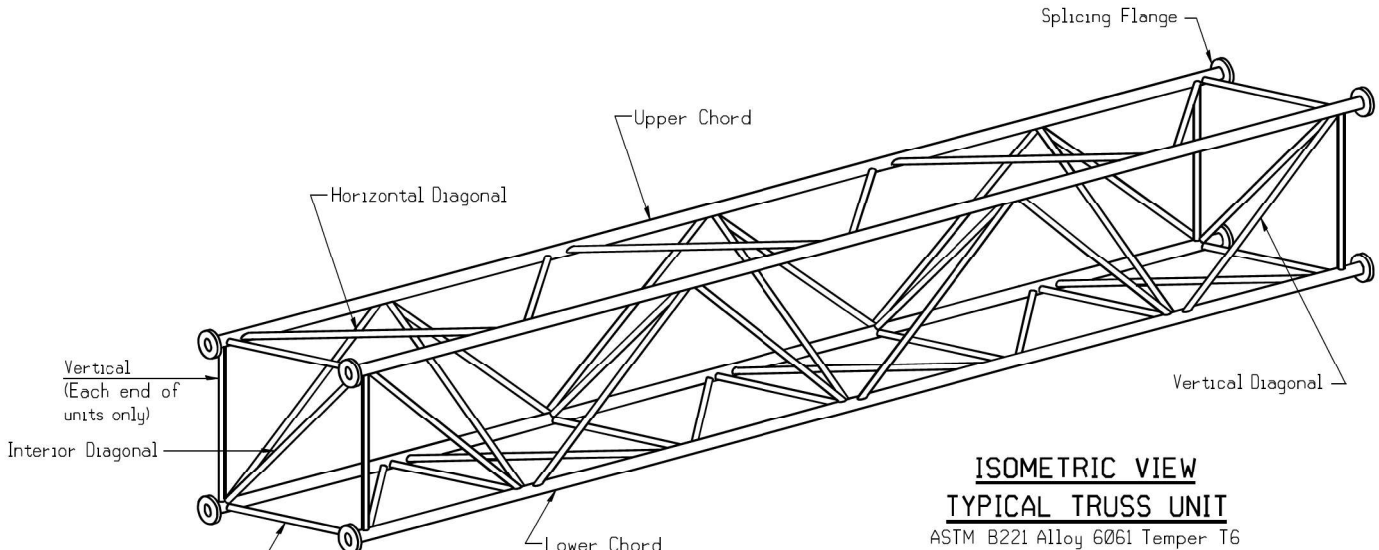
TRUSS UNIT TABLE

Structure Number	Location	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	Camber at Midspan	Splicing Flange						
			No. Panels per Unit	Unit Lgth.(L)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L)	Panel Lgth.(P)					Bolts		Weld Sizes		A	B	
										No./Splice	Dia.	W		W1						
IS016I094L037.5-000	1	II-A	7	37'-9"	5'-1½"	1	6	32' 0"	5' 1½"	6½"	⅝"	3'	⅝"	3⅝"	6	1"	⅜"	¼"	11"	14½"
IS016I094L066.0-000	2	I-A	7	35'-3¼"	4'-9¼"	0				5"	¼"	2½"	¼"	1¾"	6	⅞"	⅝"	¼"	8¾"	11¾"
IS016I094L066.7-000	3	I-A	7	35'-0½"	4'-10"					5"	¼"	2½"	¼"	1¾"	6	⅞"	⅝"	¼"	8¾"	11¾"
IS022I290L000.0-001	4	I-A	7	34'-3"	4'-7½"	1	6	29' 0"	4'-7½"	5½"	⅝"	2½"	⅝"	3"	6	⅞"	⅝"	¼"	9¼"	12¼"
IS022I055L271.0-000	5	I-A	6	30'-10½"	4'-10"	0				5"	¼"	2½"	¼"	1¾"	6	⅞"	⅝"	¼"	8¾"	11¾"
IS016I290L023.0-000	6	I-A	5	26'-5½"	4'-11"	1	6	30'-9"	4'-11"	5"	⅝"	2½"	⅝"	2⅜"	6	⅞"	⅝"	¼"	8¾"	11¾"
IS016I094L041.5-000	7	I-A	7	35'-8½"	4'-10"	1	6	30' 3"	4'-10"	5½"	⅝"	2½"	⅝"	3¼"	6	⅞"	⅜"	¼"	9¼"	12¼"
IS016I094L034.6-000	8	I-A	7	35'-3¼"	4'-9¼"	1	6	29' 10½"	4'-9¼"	5½"	⅝"	2½"	⅝"	3¼"	6	⅞"	⅜"	¼"	9¼"	12¼"
IS016I094L030.0-000	9	III-A	5	27'-8½"	5'-2"	1	6	32' 3"	5' 2"	7"	⅝"	3¼"	⅝"	1"	6	1"	⅞"	⅝"	11½"	15"
IS016U041R000.0-000	10	I-A	6	30'-9"	4'-9¾"	1	6	30' 1½"	4'-9¾"	5"	⅝"	2½"	⅝"	2¾"	6	⅞"	⅝"	¼"	8¾"	11¾"
IS016I094L030.3-000	11	II-A	7	37'-0¼"	5'-0¼"	1	6	31'-4½"	5'-0¼"	6½"	⅝"	3"	⅝"	3⅝"	6	1"	⅜"	¼"	11"	14½"
IS016I057L045.0-000	12	II-A	0	29'-0½"	4'-7¾"	1	0	30'-5"	4'-7¾"	7"	⅝"	3"	⅝"	3⅝"	6	1"	⅜"	¼"	11½"	15"
IS022I290L014.0-000	13	I-A	7	32'-9½"	4'-5"	0				5"	¼"	2½"	¼"	1½"	6	⅞"	⅝"	¼"	8¾"	11¾"

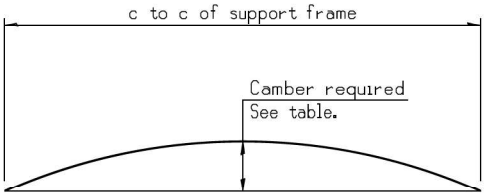


SECTION B-B

- ① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



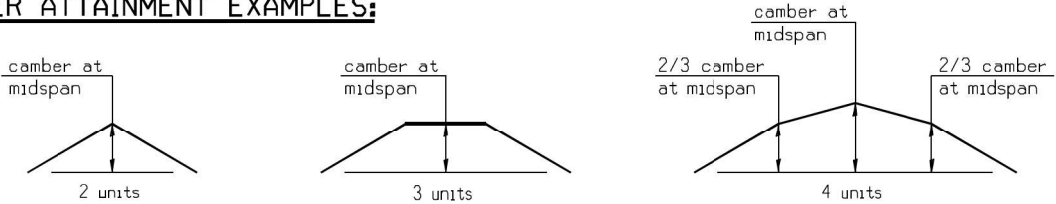
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.



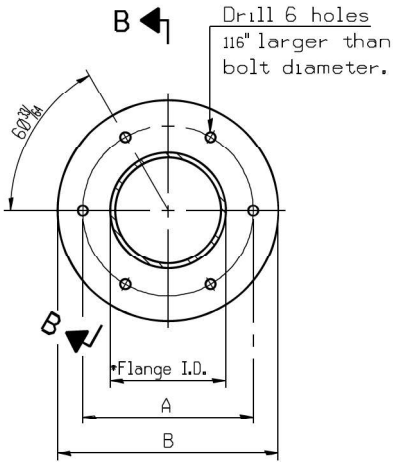
CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

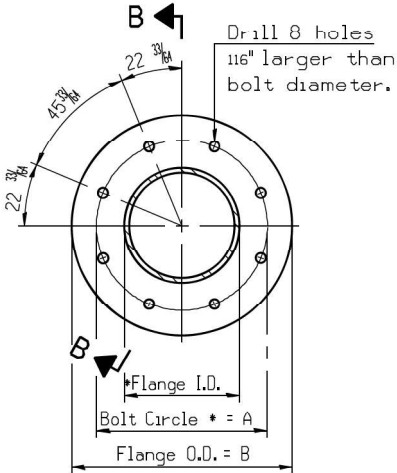
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES

ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

OS4-A-2

2-17-2017

USER NAME = mezag	DESIGNED - IDOT	REVISED -
DRAWN - IDOT	REVISED -	
PLOT SCALE = 100,000 sf / in.	CHECKED - IDOT	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

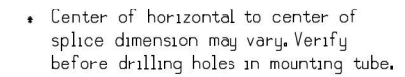
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A AND III-A

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	116
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

SGN-07



PLAN DETAIL 'C'
 $\frac{3}{64}$ Span at $\frac{3}{64}$ Chord Splice

Technical drawing illustrating the connection of a galvanized frame using galvanized bolts and nuts.

Dimensions and Components:

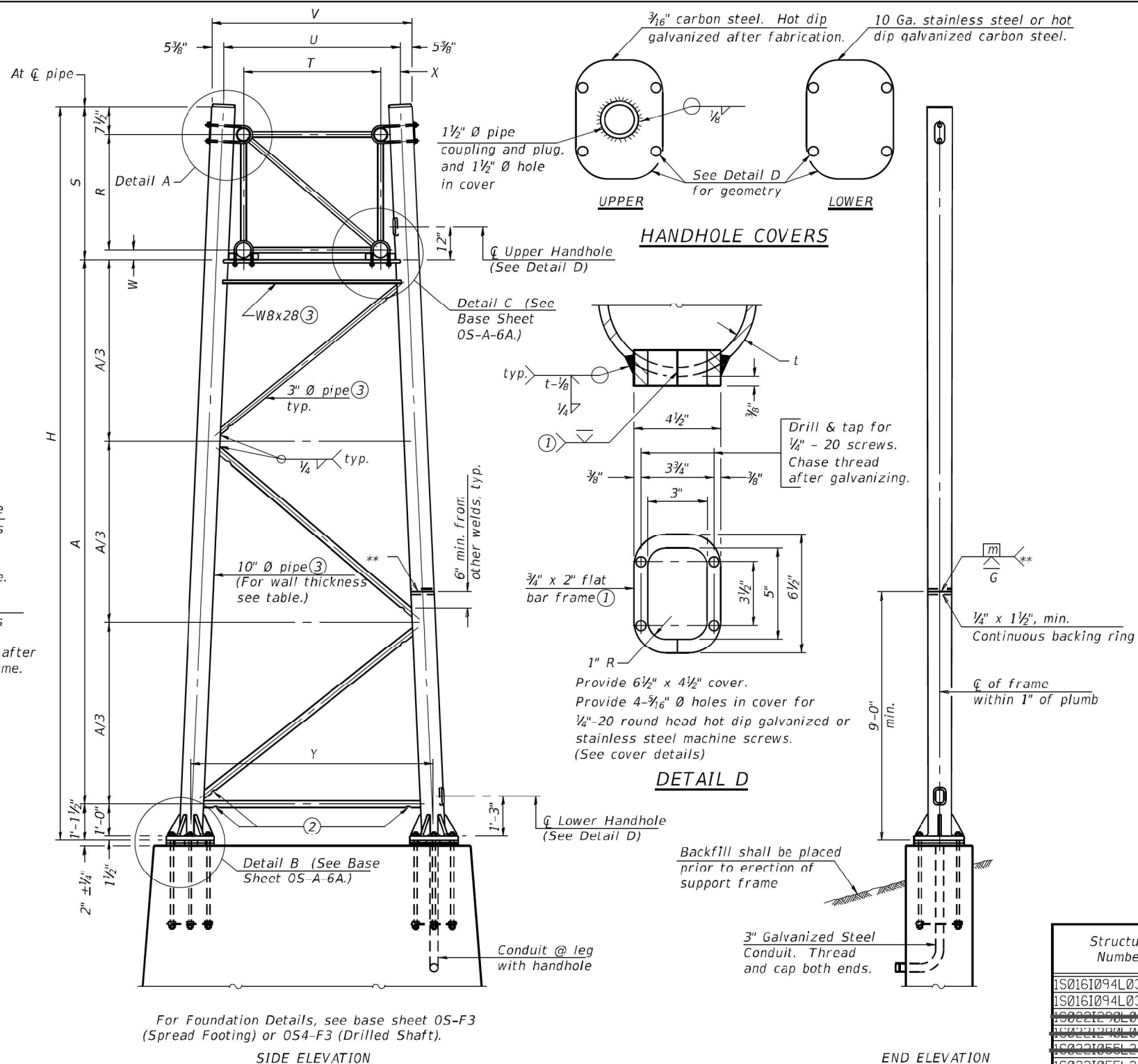
- Cap plate thickness: $\frac{1}{8}"$ min.
- Frame thickness: $\frac{1}{8}"$ (Approx.)
- Weld dimension: $\frac{3}{16}"$
- Bolt size: $4-\frac{1}{2}"$ Ø Galv. Bolts (ASTM A307)
- Nut size: $4-\frac{1}{2}"$ hex nuts
- Cap plate holes: $\frac{1}{4}"$ galv. cap plate with $4-\frac{5}{8}"$ Ø holes at 90° intervals.

Installation Instructions:

- Install after galvanizing frame.
- Chase threads after galvanizing frame.

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.

3" wide - 10 Ga.
bent stainless steel
cover plate with two
13/16" Ø holes

$$\frac{\text{"D" = Outside}}{\text{Chord Diameter}}$$


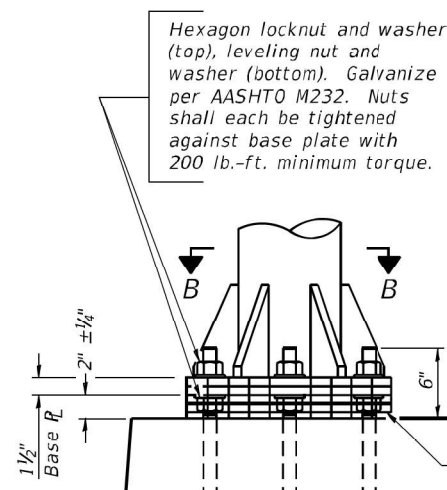
- ① *In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500μ in or less.*
- ② *Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.*
- ③ *Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet 05-A-1.*
- ④ *See General Notes for fasteners.*
- ⑤ *Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.*
- ⑥ *"H" based on 15'-0" or actual sign height, whichever is greater.*

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
	4'-6"	5'-5½"	4'-0"	5'-6"	6'-4¾"	4"	9"	8'-3"
II-A ⑤	5'-3"	6'-3¼"	4'-6"	6'-1"	6'-11¾"	4¾"	9½"	8'-3"

**** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.**

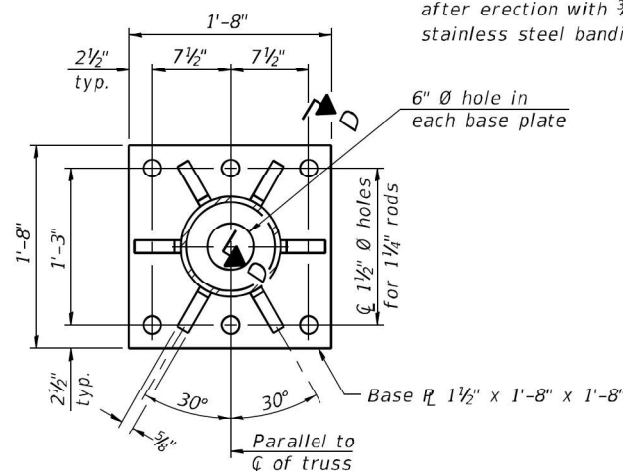
**THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.**

Structure Number	Location	Support		Truss Type	Pipe Wall Thickness	H ⑥	A
		Left	Right				
IS0161094L037.5-000	1	X		II-A	0.365	28' 3 3/8"	20' 10 1/8"
IS0161094L037.5-000	1		X	II-A	0.365	26' 5 1/4"	19' 0 5/8"
IS0221290L000.0-001	4	X		I-A	0.279	27' 0 1/2"	24' 3 1/4"
IS0221290L000.0-001	4		X	I-A	0.279	25' 9"	19' 2 1/4"
IS0221055L274.0-000	5	X		I-A	0.279	28' 3 1/8"	24' 9 1/8"
IS0221055L274.0-000	5		X	I-A	0.279	28' 3 1/8"	24' 9 1/8"
IS0161290L020.0-000	6	X		I-A	0.279	26' 10 1/8"	20' 4"
IS0161290L020.0-000	6		X	I-A	0.279	26' 10 1/8"	20' 4"
IS0161290L041.5-000	7	X		I-A	0.365	27' 0 3/8"	20' 5 5/8"
IS0161290L041.5-000	7		X	I-A	0.365	35' 6"	28' 11 1/4"
IS0161094L034.6-000	8	X		I-A	0.279	26' 2 1/4"	19' 7 1/2"
IS0161094L034.6-000	8		X	I-A	0.279	26' 1 1/8"	20' 5 1/8"
IS016U041R000.0-000	10	X		I-A	0.279	26' 4 1/4"	19' 9 1/2"
IS016U041R000.0-000	10		X	I-A	0.279	30' 6 3/4"	24' 0"
IS0161041L030.3-000	11	X		II-A	0.365	28' 0 1/2"	20' 7 3/4"
IS0161041L030.3-000	11		X	II-A	0.365	28' 1 1/8"	21' 7 1/8"
IS0161057L345.0-000	12	X		II-A	0.365	30' 6 3/8"	23' 1 1/2"
IS0161057L345.0-000	12		X	II-A	0.365	30' 5 1/4"	23' 0 1/2"

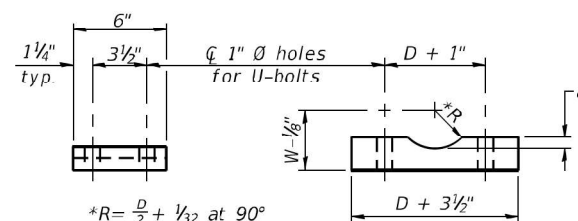
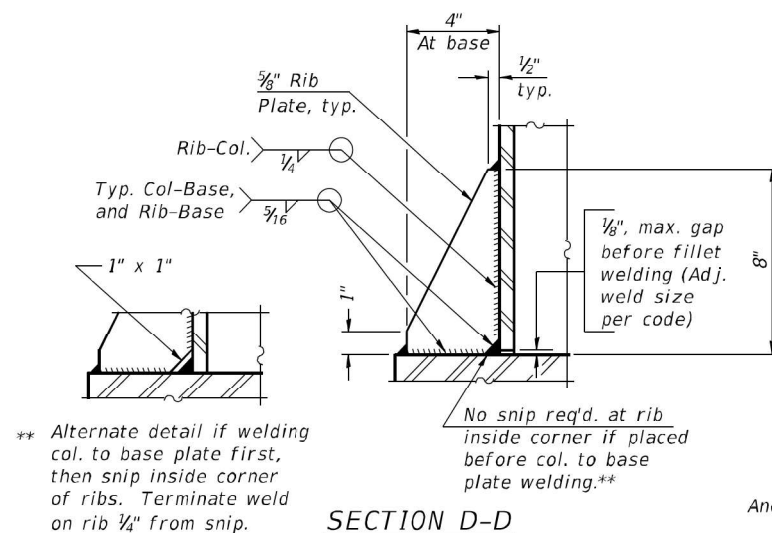


DETAIL B

Ribs shall be cut to fit slope of pipe.



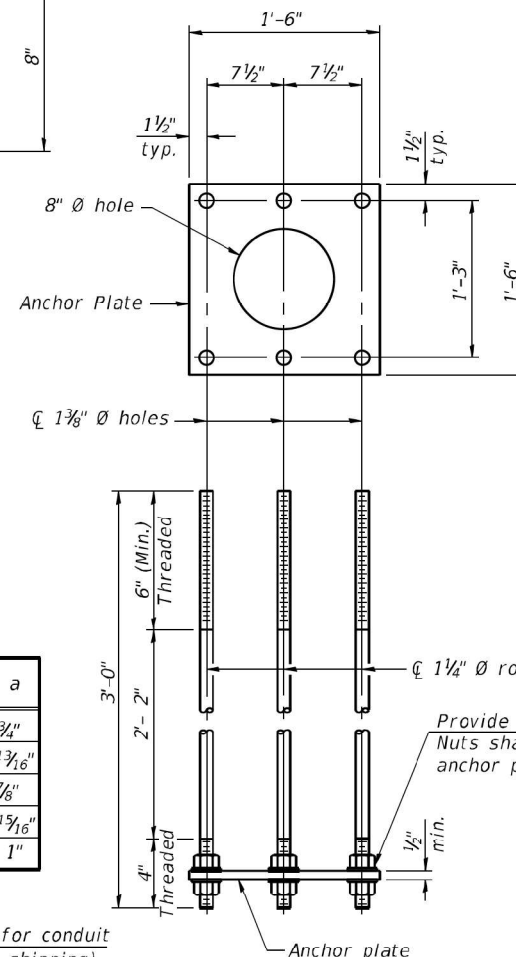
SECTION B-B



D = Outside Diameter of Chord.
For *W*, see Base Sheet 05-A-6.

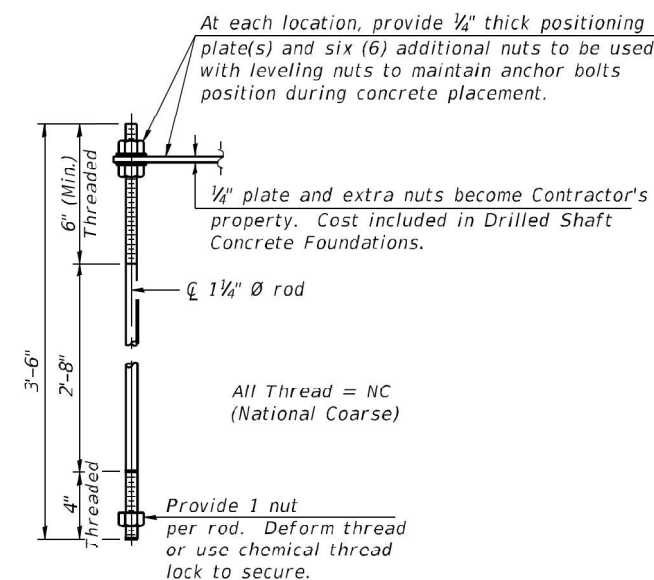
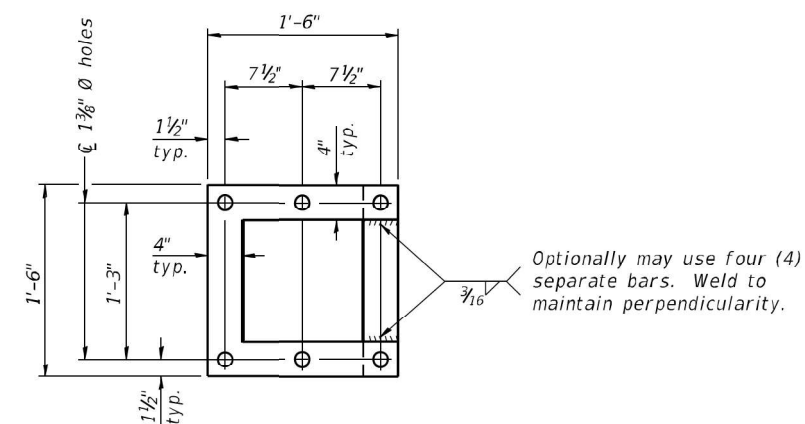
SADDLE SHIM DETAIL
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"
7"	1"

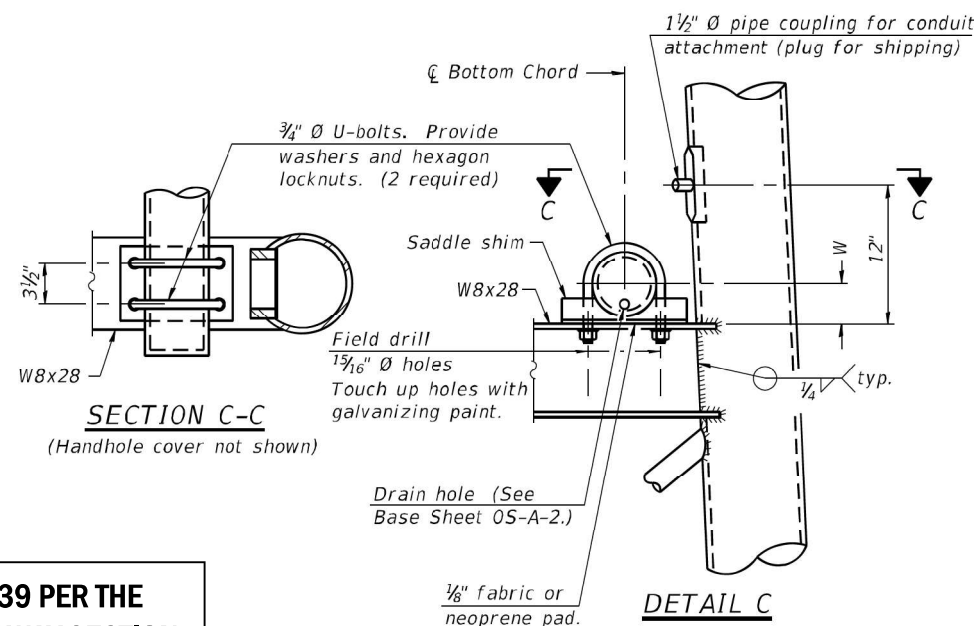


ANCHOR ROD DETAIL

Spread Footing Foundation



ANCHOR ROD DETAIL
Drilled Shaft Foundation



10" Ø PIPE SUPPORT FRAME DETAILS

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.

**THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.**

05-A-6A

2-17-2017

USER NAME = mezag	DESIGNED - IDOT	REVISED -
	DRAWN - IDOT	REVISED -
PLOT SCALE = 100.0000 sf / sq.	CHECKED - IDOT	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

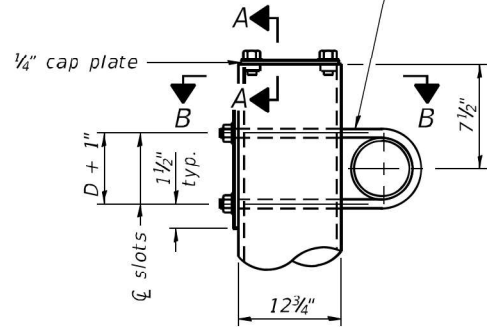
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OVERHEAD SIGN STRUCTURES

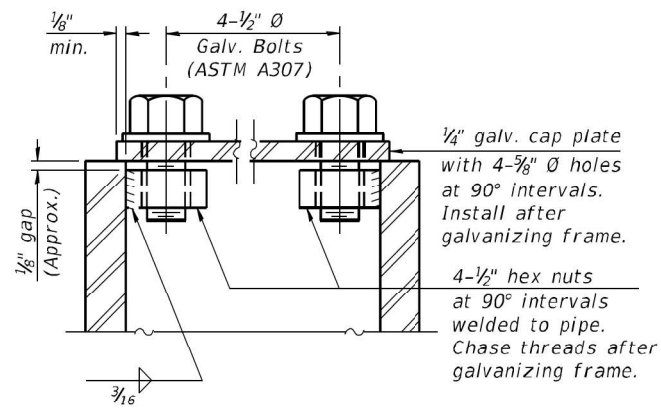
SUPPORT FRAME DETAILS - ALUMINUM TRUSS

SCALE:			SHEET OF SHEETS			STA. TO STA.			ILLINOIS			FED. AID PROJECT		
--------	--	--	-----------------	--	--	--------------	--	--	----------	--	--	------------------	--	--

3/4" Ø stainless steel U-bolt.
Provide two washers and two
hexagon locknuts. (4)
1 3/16" x 2" slots on 12" Ø pipe.
(4 slots required per pipe)

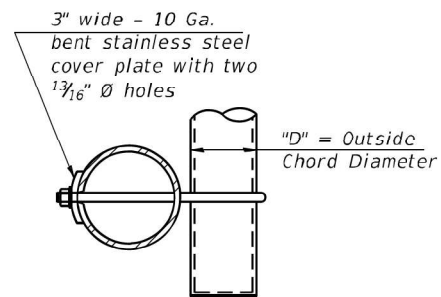


DETAIL A

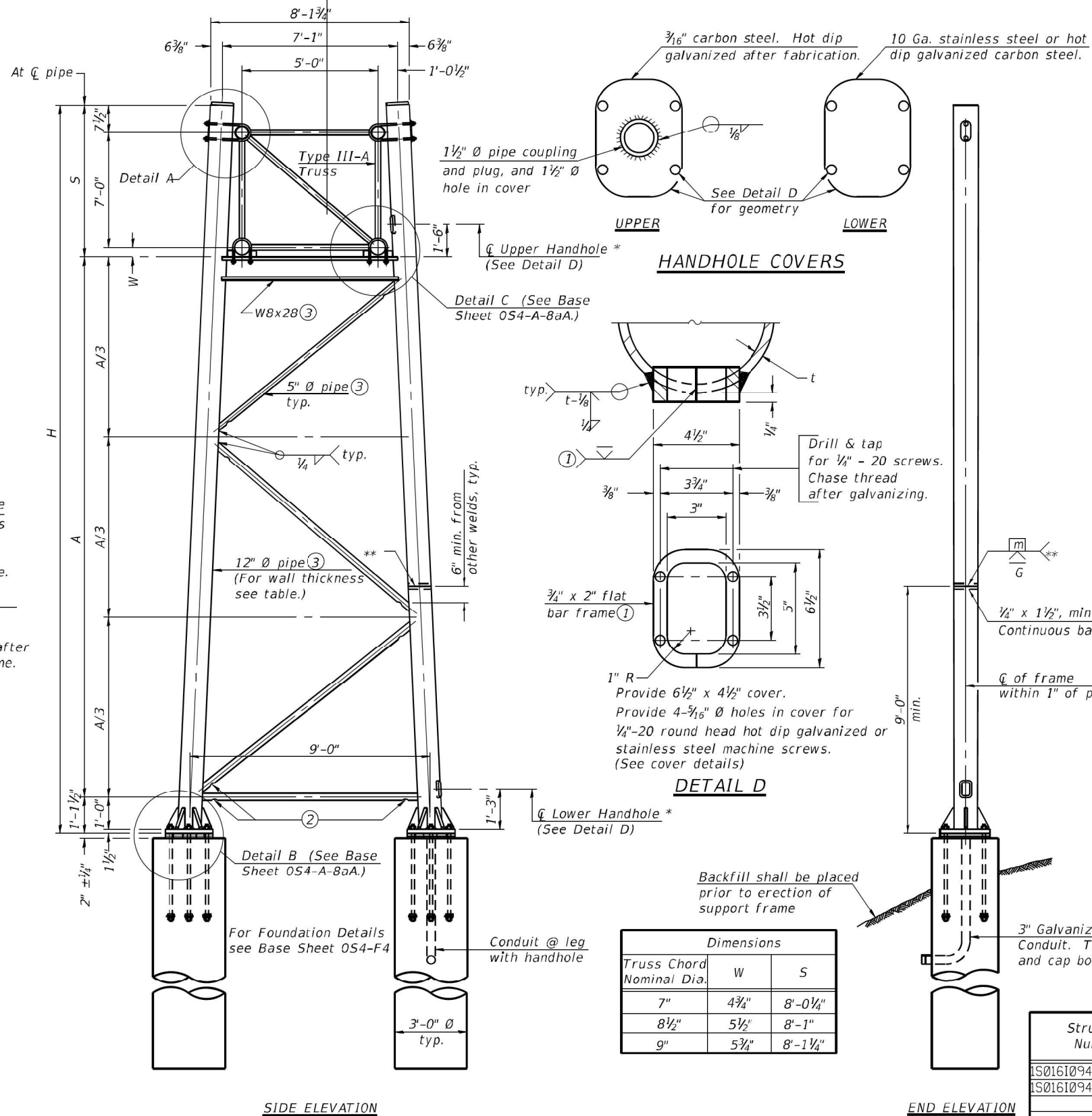


SECTION A-A

As an alternate to bolts, may use galvanized
drive-fit caps installed after galvanizing frame.



SECTION B-B



HANDHOLE COVERS

DETAIL D

Dimensions		
Truss Chord Nominal Dia.	W	S
7"	4 3/4"	8'-0 1/4"
8 1/2"	5 1/2"	8'-1"
9"	5 3/4"	8'-1 1/4"

SIDE ELEVATION

END ELEVATION

TRUSS SUPPORT DETAILS

(12" Ø Pipe-Type III-A Truss)

** One butt welded joint is allowed only on one post per
support frame. If used, weld procedure must be pre-
approved by Engineer and joint shall receive 100%
RT or UT (tension criteria) at Contractor's expense.

Support Design Loads: See Base Sheet 05-A-1 for design
and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

- 1 In lieu of fabricated handhole frame as shown, may cut
from 2" plate (rolling direction vertical). All cut faces
to be ground to ANSI Roughness of 500 µin or less.
- 2 Galvanizing vent holes of adequate size shall be provided
on underside at each end of bracing pipes. Alternately,
holes may be provided in wall of pipe column. All vent
holes shall be drilled and de-burred, typ.
- 3 Steel pipe, plate, carbon steel handhole covers and rolled
sections shall be hot dip galvanized after fabrication.
Painting is not permitted. See Base Sheet 05-A-1.
- 4 See General Notes for fasteners.
- 5 Dimensions shown are based on selection criteria in the
Sign Structures Manual. Nonstandard applications must
have dimensions verified or amended as appropriate.
- 6 "H" based on 15'-0" or actual sign height, whichever is greater.

* For dynamic message sign installations, provide upper and lower
handholes in both legs of each support frame.

Structure Number	Location	Support		Pipe Wall Thickness	H (6)	A
		Left	Right			
1S0161094L030.0-000	9	X		0.33	30' 6 3/4"	21' 4 7/8"
1S0161094L030.0-000	9		X	0.33	33' 10 3/8"	24' 8 1/8"

SGN-11

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

0S4-A-8a

2-17-2017

USER NAME = mezag
PLOT SCALE = 100,0000 sf / sq.
PLOT DATE = 9/29/2021

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CHECKED - IDOT	REVISD -
DATE -	REVISD -

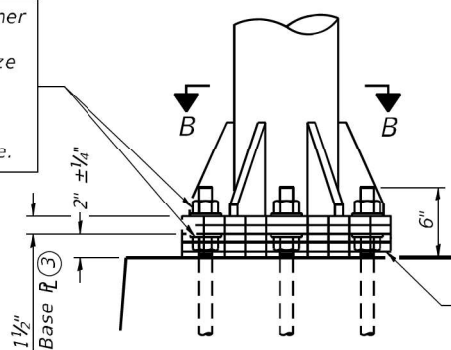
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - SUPPORT FRAME
FOR TYPE III-A ALUMINUM TRUSS

SCALE: SHEET OF SHEETS STA. TO STA.

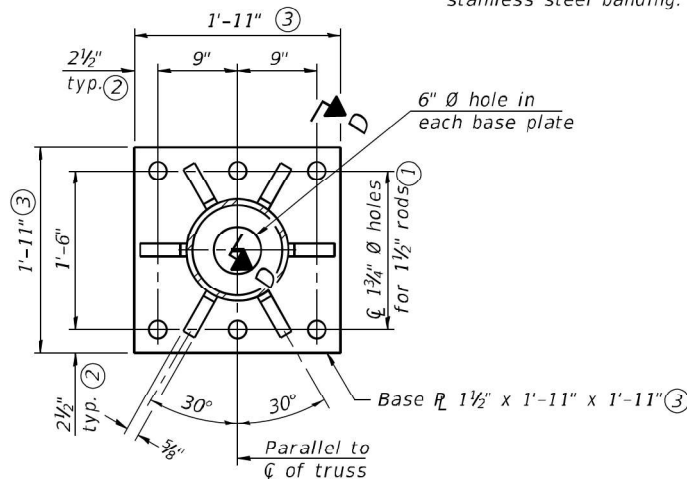
FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	120
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.

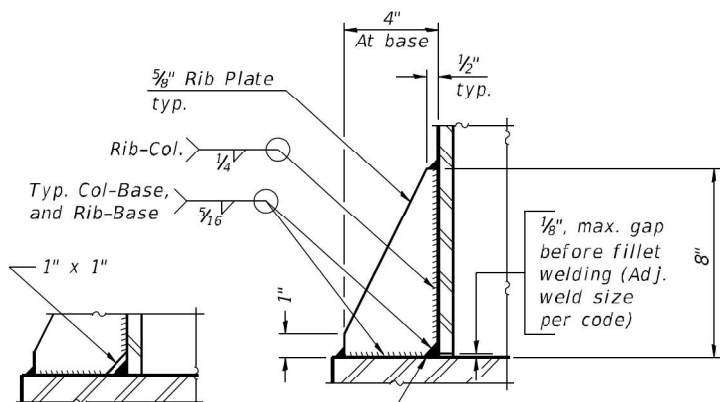


DETAIL B
Ribs shall be cut to fit slope of pipe.

Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel banding.

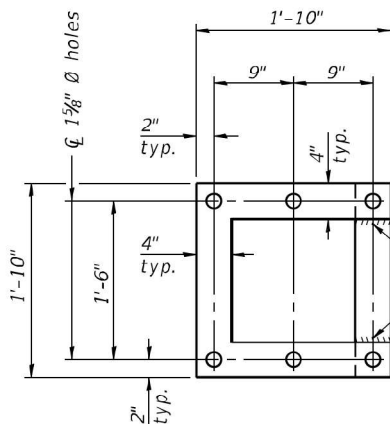


SECTION B-B



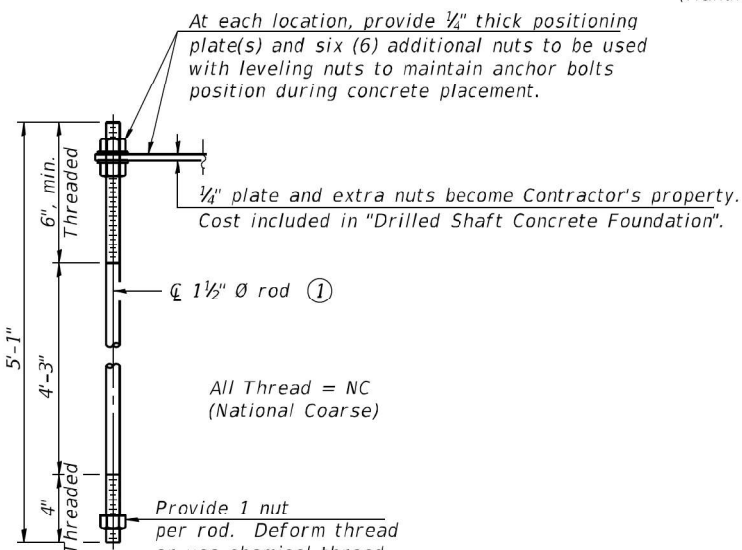
** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

SECTION D-D



POSITIONING PLATE(S)

Optionally may use four (4) separate bars. Weld to maintain perpendicularity.



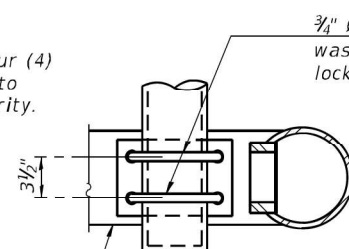
ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105 Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.

**TYPE III-A TRUSS
12" Ø PIPE SUPPORT FRAME DETAILS**

Notes:
For Type III-A Truss spans greater than 150 ft. and up to 160 ft.:

- 1 3/4" Ø rod, 2" Ø holes
- 2 3/4" edge distance
- Base R 1 3/8" x 1'-11 1/2" x 1'-11 1/2"



SECTION C-C
(Handhole cover not shown)

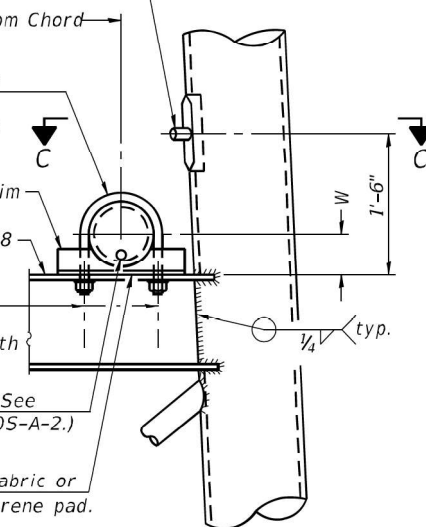
3/4" Ø U-bolts. Provide washers and hexagon locknuts. (2 required)

Field drill 1 5/16" Ø holes
Touch up holes with galvanizing paint.

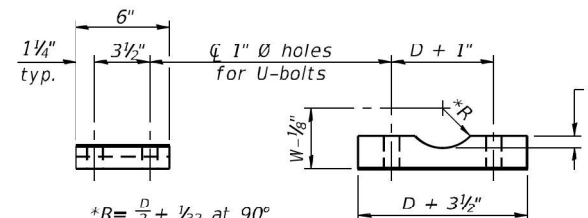
Drain hole (See Base Sheet 05-A-2.)

1/8" fabric or neoprene pad.

1 1/2" Ø pipe coupling for conduit attachment (plug for shipping)



DETAIL C



$R = \frac{D}{2} + \frac{1}{32}$ at 90°

D = Outside Diameter of Chord.
For W, see Base Sheet 05-A-6.

Truss Chord Nominal Dia.	a
7"	1"
8 1/2"	1 1/4"
9"	1 3/8"

SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

**THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.**

0S4-A-8aA

2-17-2017

USER NAME = mezag	DESIGNED - IDOT	REVISED -
PLOT SCALE = 100,000 sf / 1 in.	DRAWN - IDOT	REVISED -
PLOT DATE = 9/29/2021	CHECKED - IDOT	REVISED -
	DATE -	REVISED -

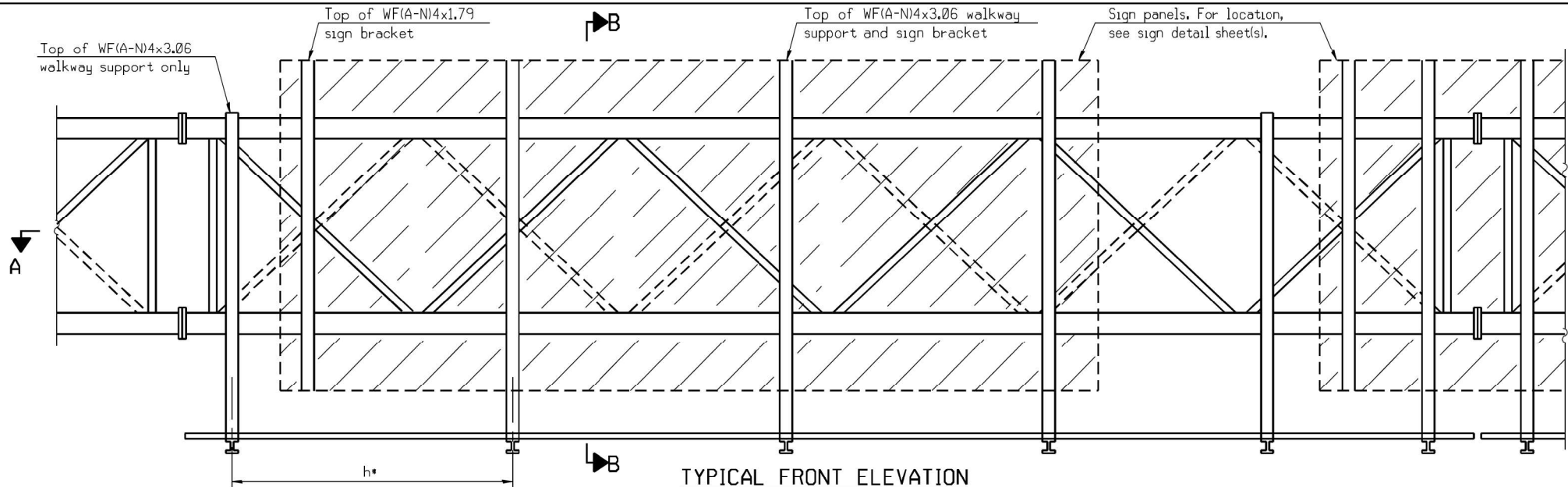
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS**

SCALE: SHEET OF SHEETS STA. TO STA.

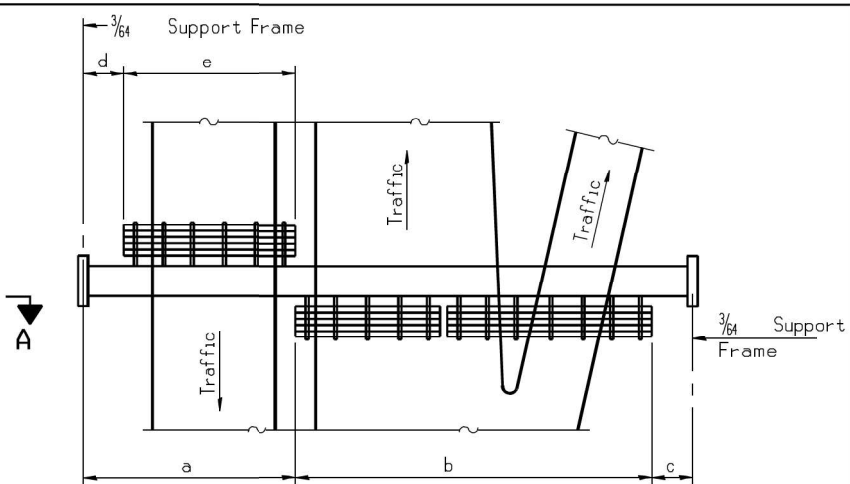
FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	121
				CONTRACT NO. 62V17
		ILLINOIS		FED. AID PROJECT

SGN-12



TYPICAL FRONT ELEVATION

With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet OS-A-10.



PLAN
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath truss varies)

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06 ASTM B308, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

Notes:

- Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:

f = 12" maximum, 4" minimum (End of sign to $\frac{3}{64}$ of nearest bracket)

g = 12" maximum, 4" minimum (End of walkway grating to $\frac{3}{64}$ of nearest support bracket)

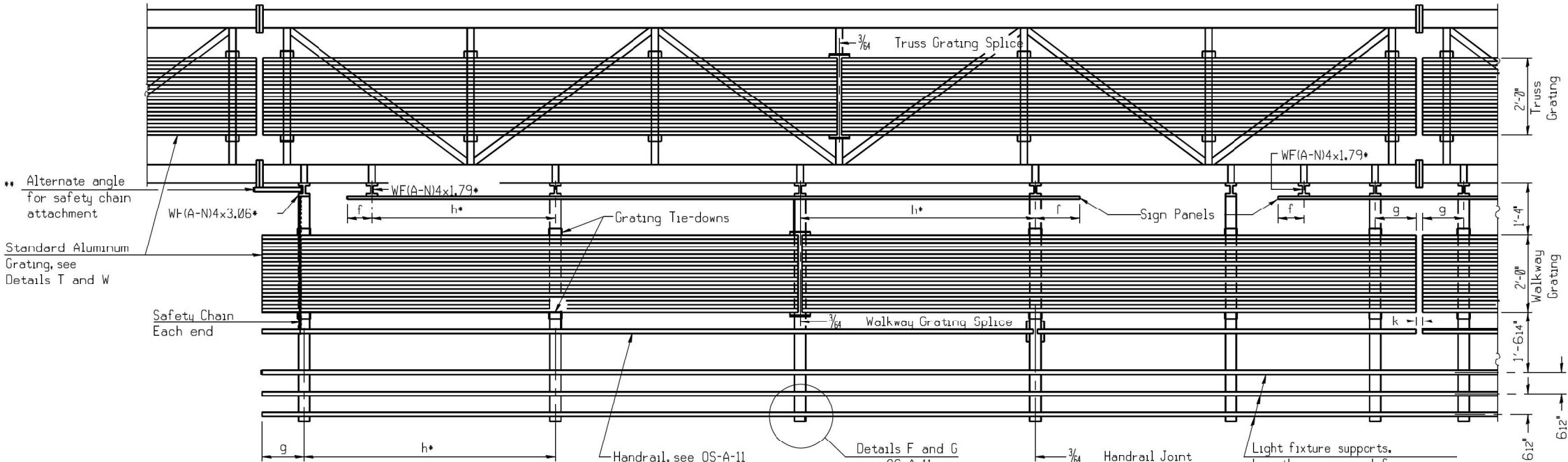
h = 6'-0" maximum ($\frac{3}{64}$ to $\frac{3}{64}$ sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)

k = 2" maximum gap between adjacent walkway grating sections and handrail ends

- If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11.

For Details T and W, Section B-B and Grating Splice Details see Base Sheet OS-A-10.

For Handrail Details see Base Sheet OS-A-11.



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Handrail joints, grating, and light support splices placed as needed.

Structure Number	Location	a	b	c	d	e	Walkway Grating and Handrail Lengths
IS016I094L037.5-000	1	-	-	-	-	-	0
IS016I094L066.0-000	2	-	-	-	-	-	0
IS016I094L065.7-000	3	-	-	-	-	-	0
IS022I290L000.0-001	4	-	-	-	-	-	0
IS022I055L274.0-000	5	-	-	-	-	-	0
IS016I090L023.0-000	6	-	-	-	-	-	0
IS016I094L041.5-000	7	-	-	-	-	-	0
IS016I094L034.6-000	8	-	-	-	-	-	0
IS016I094L030.0-000	9	-	-	-	-	-	0
IS0160041R000.0-000	10	-	-	-	-	-	0
IS016I094L030.3-000	11	-	-	-	-	-	0
IS016I067L345.0-000	12	-	-	-	-	-	0
IS022I290L011.0-000	13	-	-	-	-	-	0

Truss grating to facilitate inspection shall run full length (center to center of support frames) $\frac{3}{64}$ 12" on overhead trusses.
Cost of truss grating is included in 'Overhead Sign Structure'.

Walkway and Truss Grating width dimensions are nominal and may vary *12" based on available standard widths.

THIS SHEET WAS COPIED FROM CONTRACT 46539
PER THE DIRECTION OF IDOT TRAFFIC
OPERATIONS EXPRESSWAY SECTION.

OS-A-9

2-17-2017

USER NAME = mezag
PLOT SCALE = 100,0000 sf / sq.
PLOT DATE = 9/29/2021

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DATE -

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REVISED -
REVISED -
REVISED -

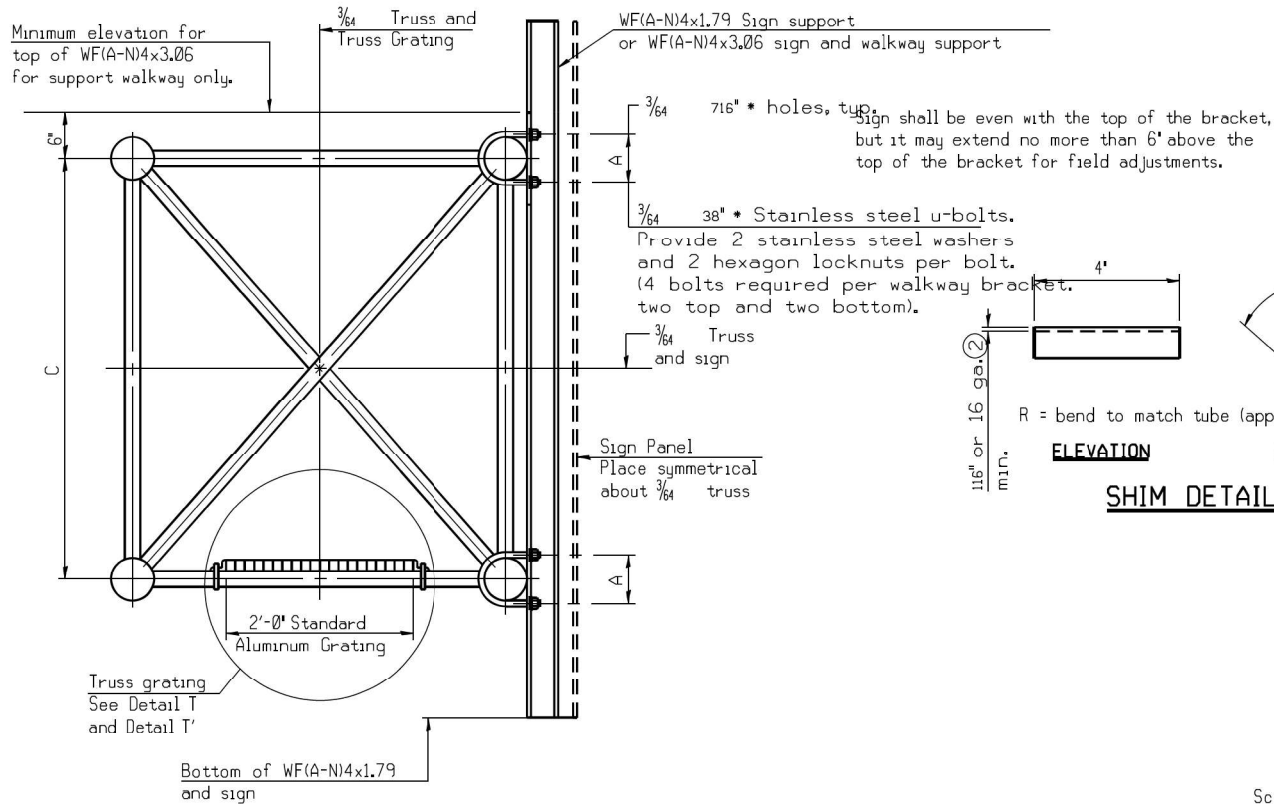
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS

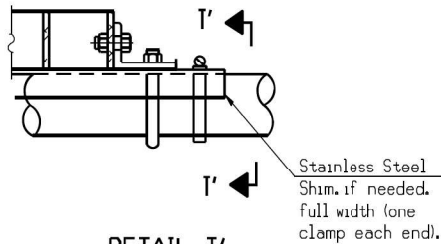
SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
FAP 0346 23 SIGN COOK/LAKE 208 122
CONTRACT NO. 62V17
ILLINOIS FED. AID PROJECT

SGN-13

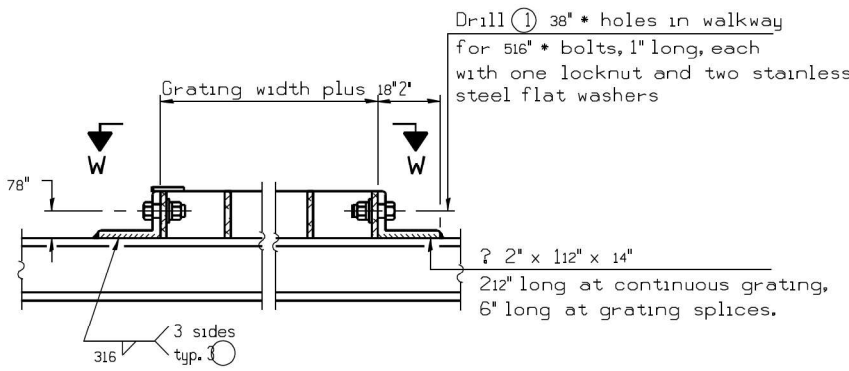


SECTION B-B



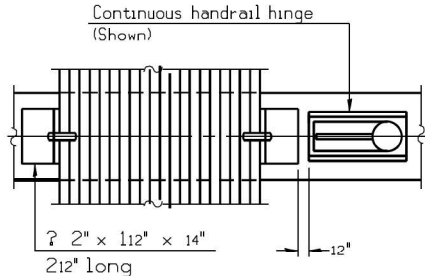
DETAIL T'

(Truss grating splice)
Details not shown same as Detail T.
Alternate materials may be used subject to the Engineer's review and approval.



DETAIL W

(Walkway grating)

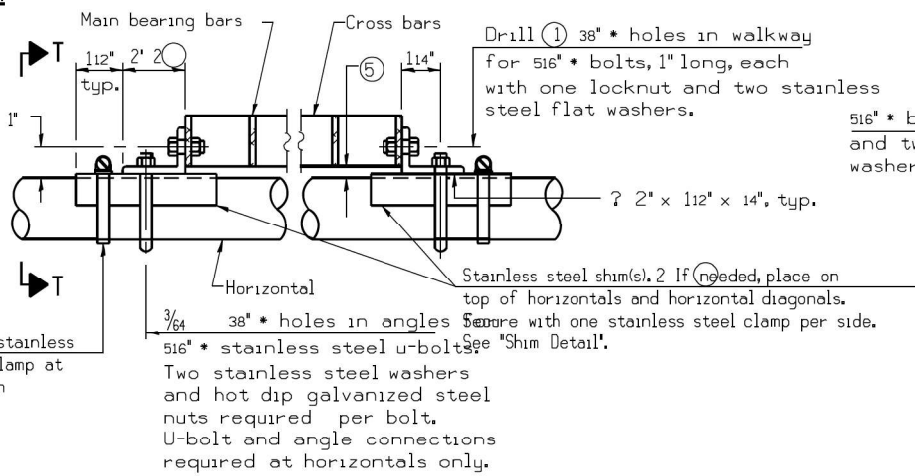


SECTION W-W

ELEVATION

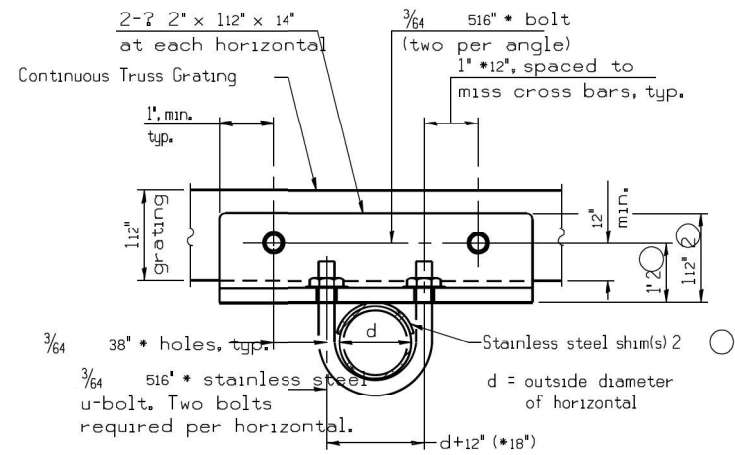
END VIEW

SHIM DETAIL

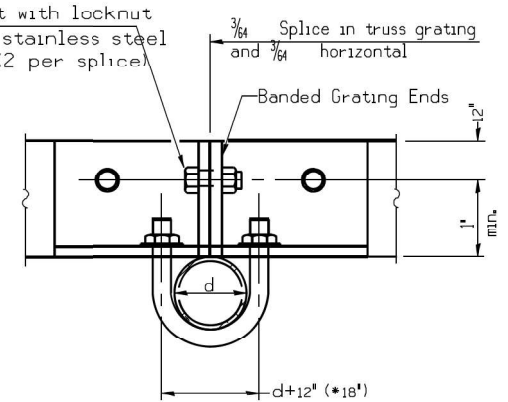


DETAIL T

(Continuous Truss grating)



SECTION T-T



SECTION T'-T'

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 316" x 112" on 1316" centers and conform to ASTM B221 Alloy 6061-T6.
Cross bars shall be 316" x 112" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:
Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³/in. per bar, a depth of 112", spaced on 1316" centers.
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Location	A	⑥ B	C	⑥ D
IS0161094L037.5-000	1	7"	-	4'-0"	-
IS0161094L038.0-000	2	5 1/2"	-	4'-0"	-
IS0161094R005.7-000	3	5 1/2"	-	4'-0"	-
IS0221270L000.0-001	4	0	-	4'-0"	-
IS0221055L274.0-000	5	5 1/2"	-	4'-0"	-
IS0161290L023.0-000	6	5"	-	4'-0"	-
IS0161094L041.5-000	7	6"	-	4'-6"	-
IS0161094L034.6-000	8	7"	-	4'-6"	-
IS0161094L030.0-000	9	7 1/2"	-	7'-0"	-
IS016U041R000.0-000	10	5 1/2"	-	4'-6"	-
IS0161094L030.3-000	11	7"	-	5'-3"	-
IS0101057L515.0-000	12	7 1/2"	-	5'-3"	-
IS0221270L014.0-000	13	5 1/2"	-	4'-0"	-

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ If Handrail Joint present, weld angle to WF(A-N)4 and 14" extension bars. (See Base Sheet OS-A-11.)
- ④ 5/16" 18" x 12" x 2" welded to handrail posts to protect locations that contact grating.
- ⑤ Tube to grating gap may vary from 0 to 12", max. to align walkway, allow for camber, etc.
- ⑥ Based on actual height of tallest sign given on OS-A-1.
- ⑦ External walkway, handrail, and horizontal bracket not required.

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

OS-A-10

2-17-2017

USER NAME = mezag	DESIGNED - IDOT	REVISED -
PLOT SCALE = 100,000 sf / in.	DRAWN - IDOT	REVISED -
PLOT DATE = 9/29/2021	CHECKED - IDOT	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	123
				CONTRACT NO. 62V17
		ILLINOIS		FED. AID PROJECT

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	
#4 bar spiral (E) - see Side Elevation				

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

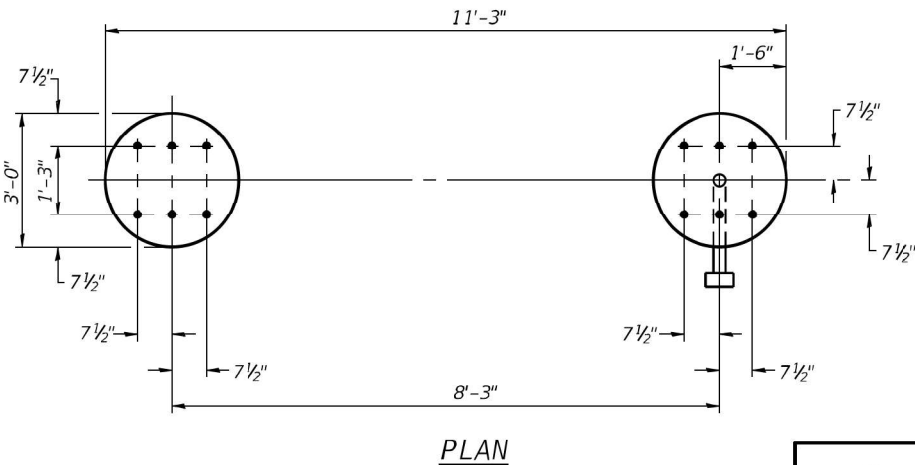
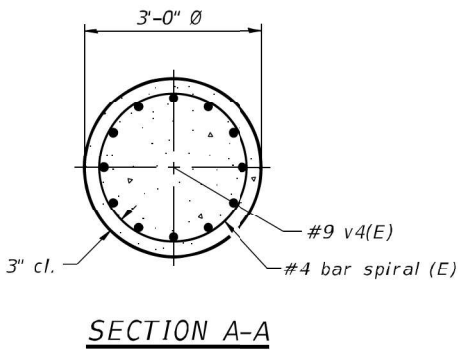
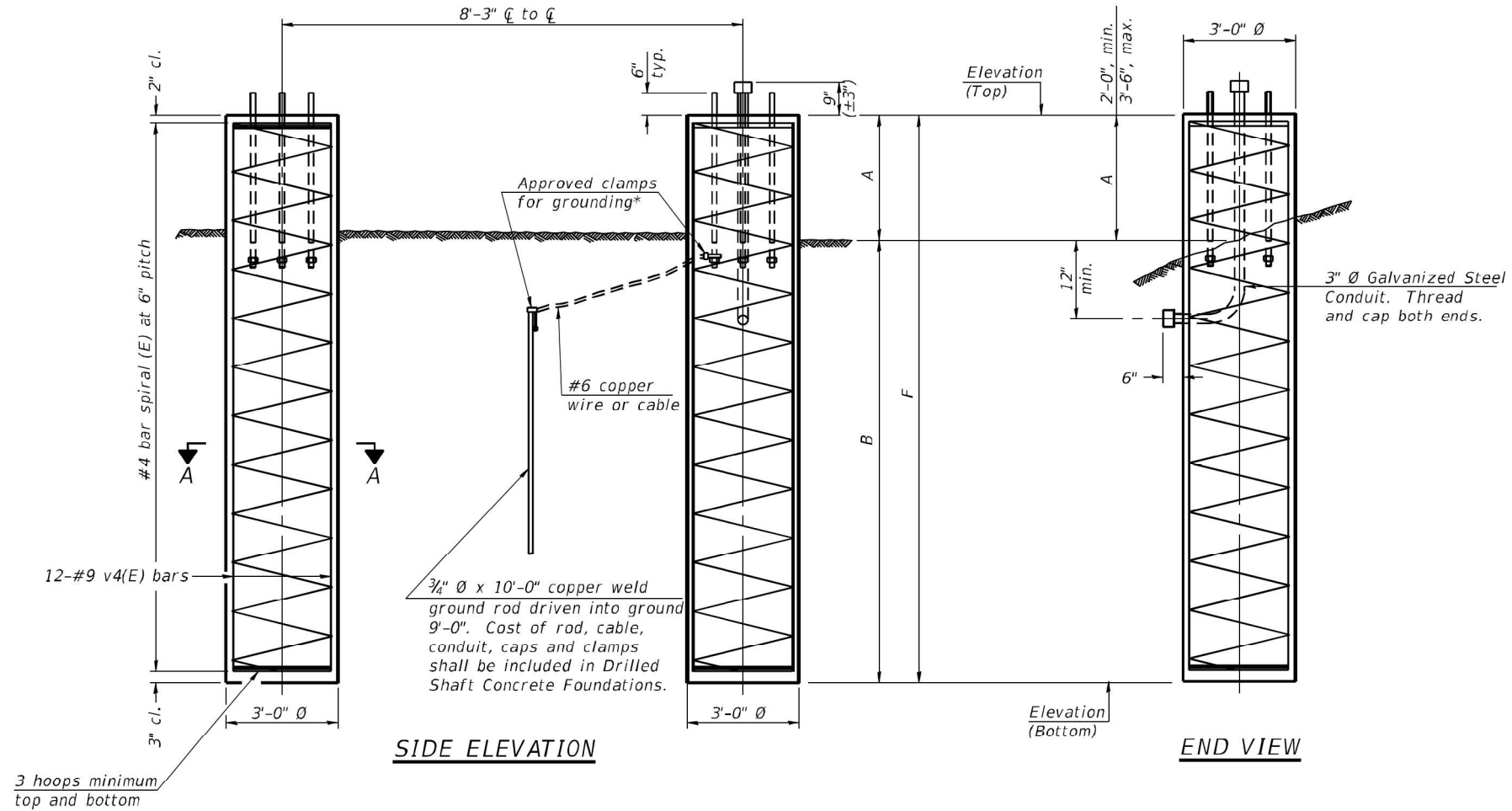
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

DETAILS FOR 10" Ø SUPPORT FRAME
TYPE I-A or II-A TRUSS

Structure Number	Location	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
IS016I094L037.5-000	1	-	-	-	-	-	631.56'	608.56'	2'-6"	20'-6"	23'-0"	12.0 CY
IS022I290L000.0-001	4	-	-	-	-	-	715.02'	695.02'	3'-0"	18'-0"	20'-0"	10.5 CY
IS022I055L274.0-000	5	-	-	-	-	-	700.60'	692.60'	2'-6"	13'-6"	16'-0"	8.1 CY
IS016I290L020.0-000	6	611.05	590.05	2'-0"	16'-6"	18'-6"	611.05'	593.05'	2'-0"	16'-6"	18'-6"	19.4 CY
IS016I094L040.5-000	7	-	-	-	-	-	611.33'	592.83'	2'-0"	16'-6"	18'-6"	9.7 CY
IS016I094L034.6-000	8	-	-	-	-	-	621.12'	602.12'	2'-6"	16'-6"	19'-0"	9.9 CY
IS016U041R000.0-000	10	-	-	-	-	-	635.66'	610.66'	3'-0"	22'-0"	25'-0"	13.1 CY
IS016I094L030.3-000	11	-	-	-	-	-	633.61'	600.11'	3'-6"	30'-0"	33'-6"	17.5 CY
IS016I067L345.0-000	12	713.10	609.10	3'-0"	20'-6"	24'-0"	713.20'	609.20'	3'-6"	20'-0"	24'-0"	25.1 CY

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

OS4-F3

2-17-2017

USER NAME = mezag	DESIGNED - IDOT	REVISED -
PLOT SCALE = 100,000 sf / sq.	DRAWN - IDOT	REVISED -
PLOT DATE = 9/29/2021	CHECKED - IDOT	REVISED -
	DATE -	REVISED -

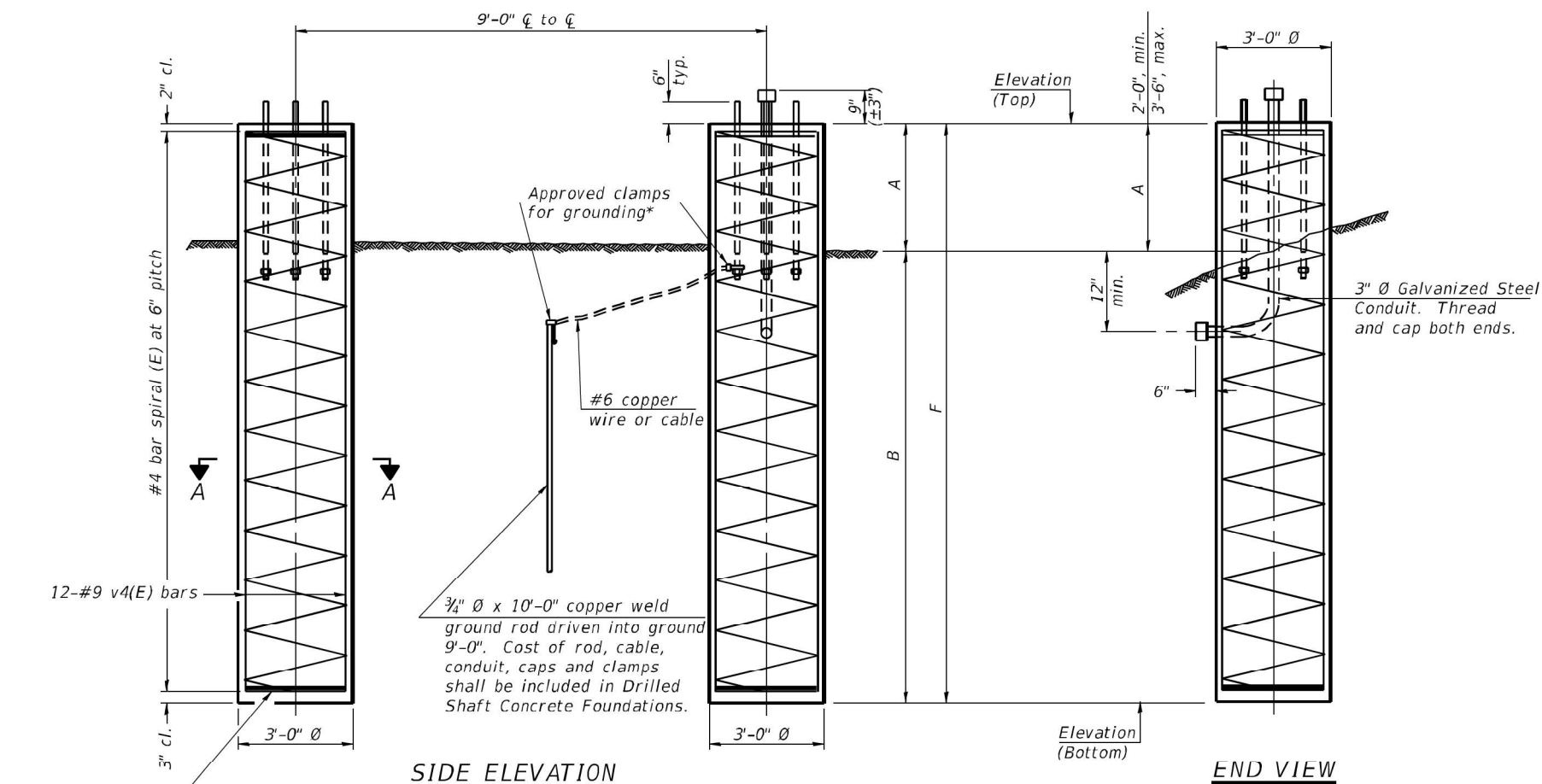
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

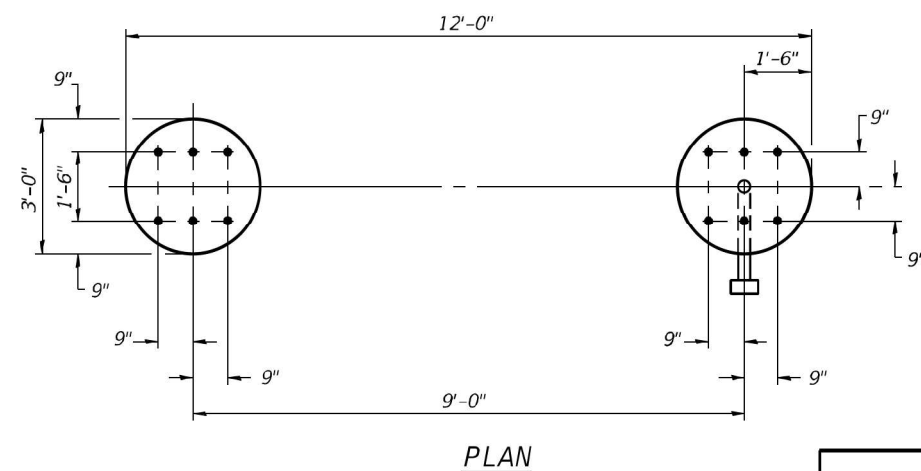
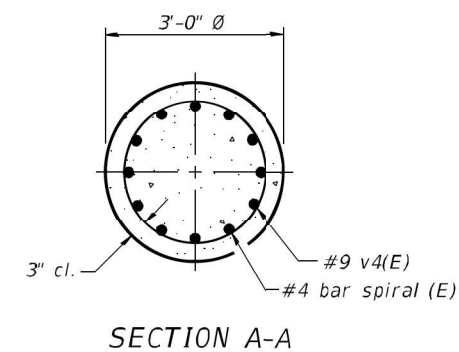
FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	124
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

SGN-15



BAR LIST - EACH FOUNDATION

NOTES:



For anchor rod size and placement,
see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

DETAILS FOR 12" Ø SUPPORT FRAME
TYPE III-A TRUSS

[illegible]

**THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.**

054-F4

2-17-2017

USER NAME = mezag	DESIGNED - IDOT	REVISED -
	DRAWN - IDOT	REVISED -
PLOT SCALE = 100.0000 sf / sq.	CHECKED - IDOT	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

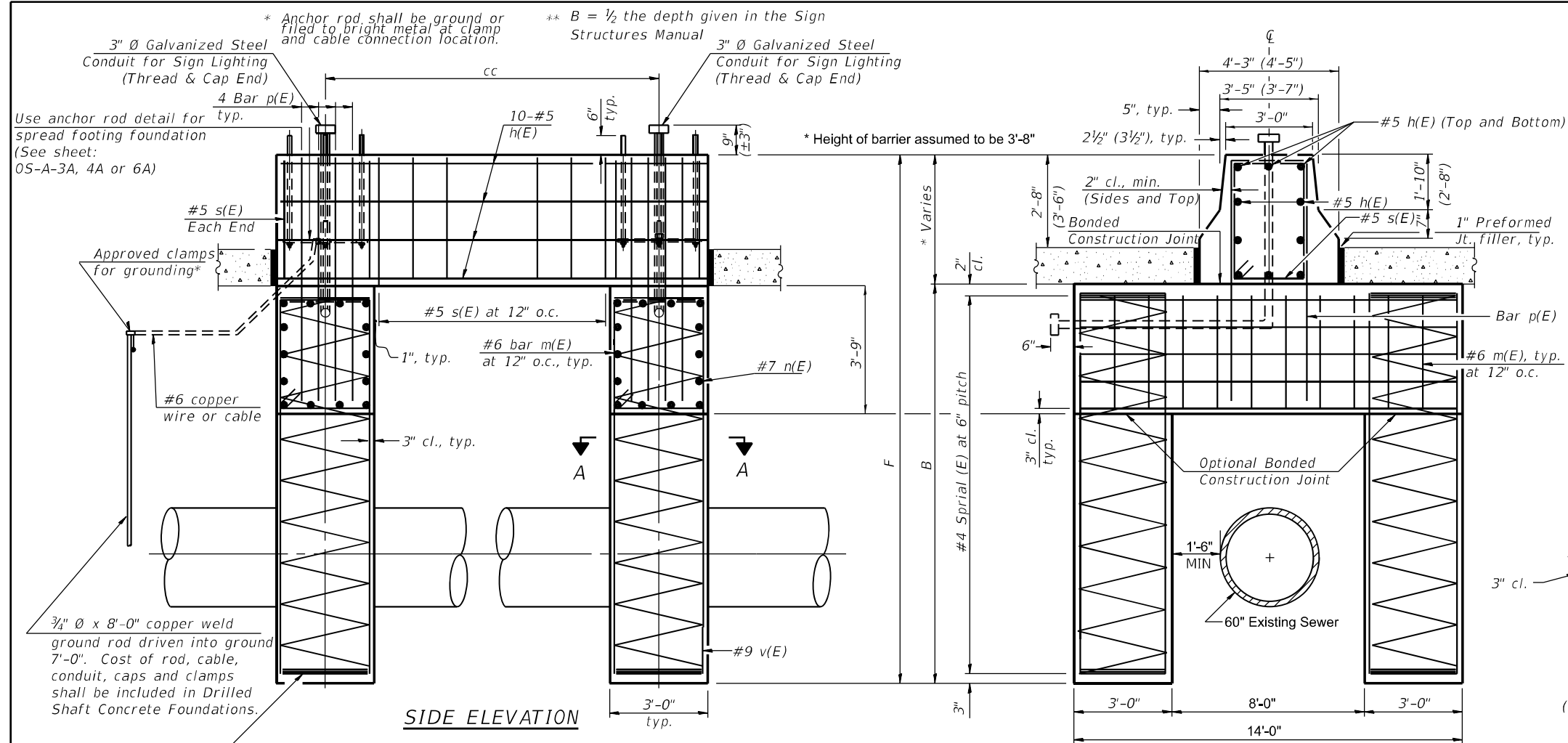
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES

DRILLED SHAFT DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	125
		CONTRACT NO. 62V17		
	ILLINOIS	FED. AID PROJECT		



NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Q_u) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

9) If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

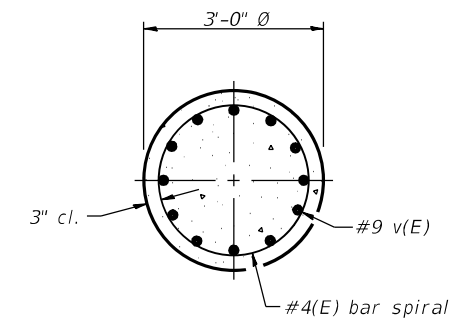
No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



SECTION A-A

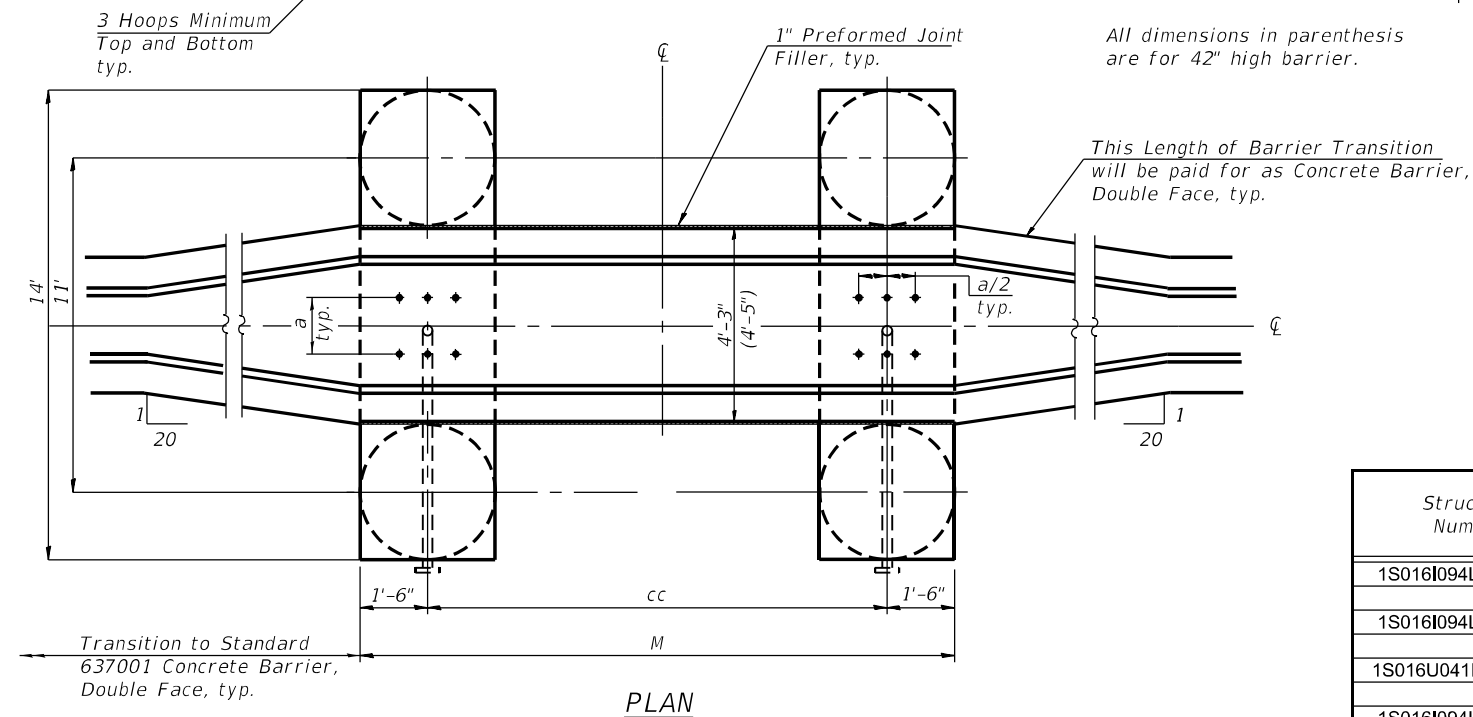
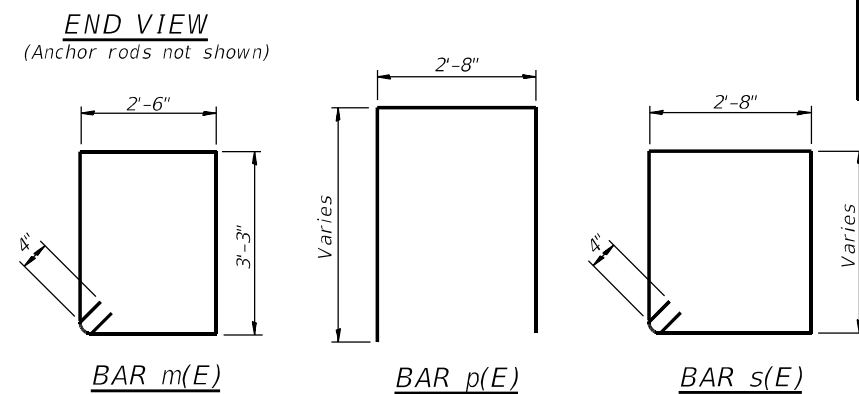
(Typical for 4 Shafts)

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
h(E)	10	#5	M less 4"	—
s(E)	Varies	#5	Varies	□
v(E)	48	#9	B less 0'-5"	—
m(E)	30	#6	12'-0"	□
n(E)	28	#7	13'-6"	—
p(E)	8	#5	Varies	∩

#4 Bar Spiral – See Side Elevation

Pipe Support Frames	CC	M	a	a/2
6"Ø	7'-0"	9'-6"	0'-11"	5½"
8"Ø	7'-6"	10'-0"	1'-1½"	6¾"
10"Ø	8'-3"	11'-3"	1'-3"	7½"
12"Ø	9'-0"	12'-0"	1'-6"	9"



THIS SHEET WAS DESIGNED BY JACOBS

Date 2/3/21

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

Ground Surface Elev. 103.60

t	(ft)	(/6")	(tsf)	(%)
---	------	-------	-------	-----

After Hrs.

(ft)	(/6")	(tsf)	(%)
------	-------	-------	-----

The SPT (N value) is the sum of the last two

BBS, form 137 (Rev. 8-99)

SGN-20

F.A. RTE.	94	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		FAP 0346 23 SIGN	COOK/LAKE	208	129
			CONTRACT NO. 62V17		
		ILLINOIS	FED. AID	PROJECT	



Illinois Department
of Transportation
Division of Highways
Illinois Department of Transportation District

SOIL BORING LOG

Page 1 of 1

Date 3/5/21

ROUTE Various DESCRIPTION WB I-94/ NB US-41 at exit to Edens Spur LOGGED BY M. Esposito

LOCATION 9 LOCATION SEC. TWP. RNG. Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 1S016I094L030.0-000	D	B	U	M	Surface Water Elev. NA ft	D	B	U	M
Station -	E	L	C	O	Stream Bed Elev. NA ft	E	L	C	O
BORING NO. 3-6A	P	O	S	I	Groundwater Elev.: None ft	P	O	S	I
Station -	T	W	Q	S	First Encounter None ft	H	S	Qu	T
Offset -	H	S	Qu	T	Upon Completion None ft	(ft)	(/6")	(tsf)	(%)
Ground Surface Elev. 100.11 ft	(ft)	(/6")	(tsf)	(%)	After - Hrs. - ft	(ft)	(/6")	(tsf)	(%)
15" HMA shoulder					Stiff to Hard, Gray, Moist, SILTY CLAY (continued)	3			
98.86						4	2.4	15	
Crushed Aggregate						7	B		
98.11									
Very Stiff, Brown and Black mottled, Moist, SILTY CLAY	6					2			
	6	2.2	19			4	1.9	15	
	7	B				5	B		
95.61									
Stiff, Brown, Moist, LOAM	-5					-25			
	5					3			
	5	1.4	17			5	2.0	15	
	6	B				8	S at 15%		
93.11					Note: Boring elevation is relative to the elevation at the top of the existing sign foundation (Assumed elevation = 100 ft.) End of Boring				
Stiff to Hard, Gray, Moist, SILTY CLAY	5								
	6	5.0	13						
	8	B							
	-10					-30			
	5								
	7	5.6	15						
	9	B							
	4								
	7	3.8	15						
	9	B							
	-15					-35			
	3								
	6	3.2	15						
	8	B							
	2								
	4	2.4	14						
	5	B							
	-20					-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



Illinois Department
of Transportation
Division of Highways
Illinois Department of Transportation District

SOIL BORING LOG

Page 1 of 1

Date 5/24/18

ROUTE Various DESCRIPTION NB US-41 at exit to Lake-Cook Rd LOGGED BY M. Esposito

LOCATION 10 LOCATION SEC. TWP. RNG. Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 1S016U041R000.0-000	D	B	U	M	Surface Water Elev. NA ft	D	B	U	M
Station -	E	L	C	O	Stream Bed Elev. NA ft	E	L	C	O
BORING NO. 3-7A	P	O	S	I	Groundwater Elev.: None ft	P	O	S	I
Station -	T	W	Q	S	First Encounter 94.2 ft	H	S	Qu	T
Offset -	H	S	Qu	T	Upon Completion 94.2 ft	(ft)	(/6")	(tsf)	(%)
Ground Surface Elev. 101.70 ft	(ft)	(/6")	(tsf)	(%)	After - Hrs. - ft	(ft)	(/6")	(tsf)	(%)
Black Silty Clay (TOPSOIL)						2			
101.20						4	2.0	17	
Black, Moist, SILTY CLAY						6	B		
99.20									
Black, Moist, SILTY CLAY	1					0			
	2	1.3	38			2	1.4	17	
	3	B				4	B		
97.20									
Medium Stiff to Very Stiff, Brown, Moist, SILTY CLAY	-5					-25			
	0					4			
	1	0.7	24			6	2.0	14	
	2	B				6	S at 13%		
	3								
Color grades to Gray.	5	2.4	17			3			
	7	B				4	1.7	17	
	91.70								
Stiff to Very Stiff, Gray, Moist, CLAY	3					-30			
	5	3.4	15			4			
	8	B				5	2.2	17	
	8					8	B		
Increased Silt content.	3								
88.20									
Gray, Coarse Grain, Moist, SAND	6	1.7	14						
	8	B							
87.20									
Stiff to Very Stiff, Gray, Moist, SILTY CLAY	-15					-35			
	3								
	4	2.5	15						
	8	B							
	3								
	4	1.6	15						
	6	B							
81.70						-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
(3-6A AND 3-7A)

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	131
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

SGN-22



wangeng@wangeng.com
1145 North Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

BORING LOG 3-8B

WEI Job No.: 555-16-10

Client: Illinois Department of Transportation
Project: Various Sign Structure Replacement, Work Order 9
Location: Cook, DuPage & Will Counties, IL

Datum: NAVD 88
Elevation: 631.99 ft
North: 1992800.13 ft
East: 1132403.81 ft
Station:
Offset:

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	631.74	4-inch thick ASPHALT															
	630.7	--PAVEMENT-- 11-inch thick CONCRETE with steel rebar															
	628.2	--PAVEMENT-- Very dense, gray SANDY GRAVEL; dry															
	626.5	--BASE COURSE-- Hard, gray SILTY CLAY LOAM; damp	5		2	27 11 10	4.50 P	14				30		12	4 6 7	2.30 B	16
	624.0	--FILL-- Loose, brown SANDY LOAM; damp to wet			3	2 2 2	NP	23									
	620.5	--RDR 2-- Medium dense, brown to gray SILTY LOAM; moist			4	4 5 7	NP	20				35		13	3 4 7	1.89 B	15
		--RDR 2-- Stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp			5	3 5 7	2.95 B	15		597.0	Boring terminated at 35.00 ft						
		--RDR 2--	15		6	5 6 11	4.59 B	15				40					
					7	4 6 9	3.72 B	15									
			20		8	4 4 8	3.35 B	15				45					
					9	4 5 6	2.46 B	16									
			25		10	5 4 6	2.21 B	16				50					
GENERAL NOTES									WATER LEVEL DATA								
Begin Drilling: 04-19-2021									While Drilling: 7.50 ft								
Complete Drilling: 04-19-2021									At Completion of Drilling: DRY								
Drilling Contractor: Wang Testing Services									Time After Drilling: NA								
Drill Rig: 20D50T (80%)									Depth to Water: NA								
Driller: R&J									The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.								
Logger: M. Sadowski																	
Checked by: J. Bensen																	
Drilling Method: 2.25" ID HSA; boring backfilled upon completion																	

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

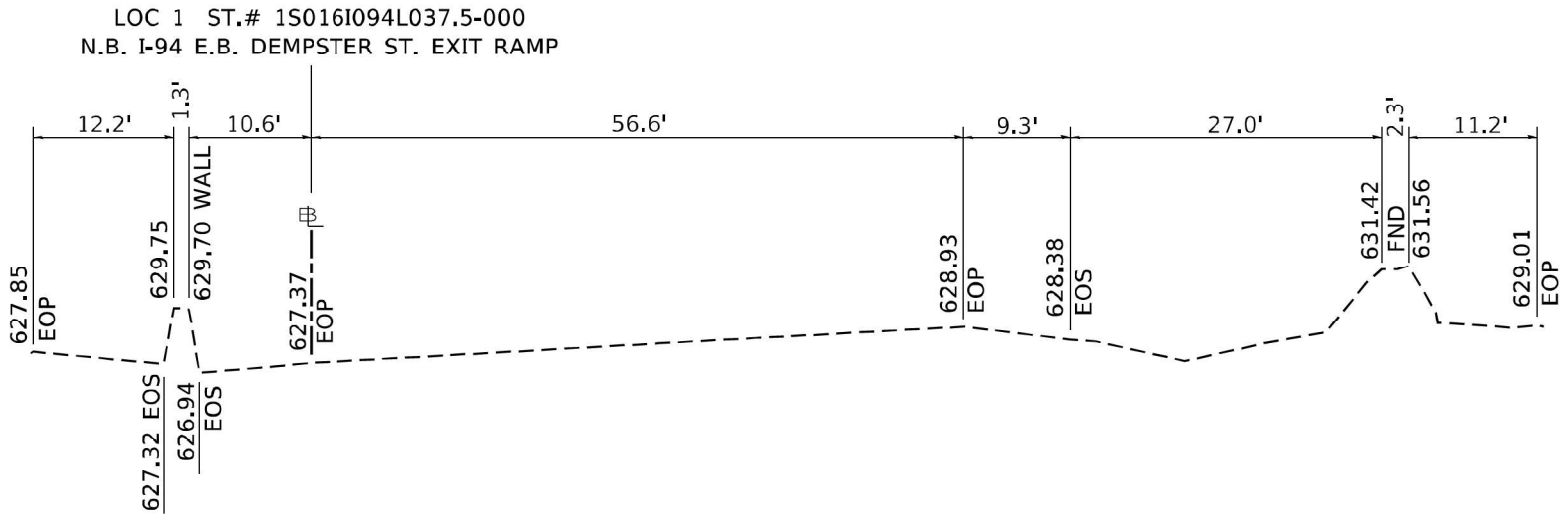
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
(3-8B AND 1-1A)

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	133
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

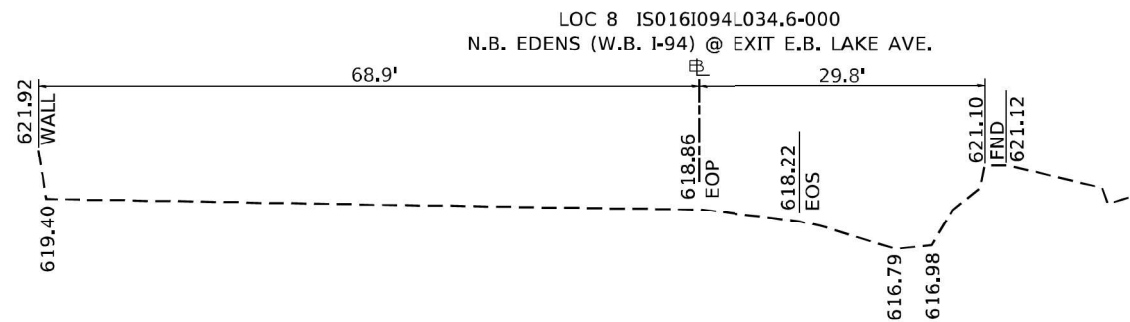
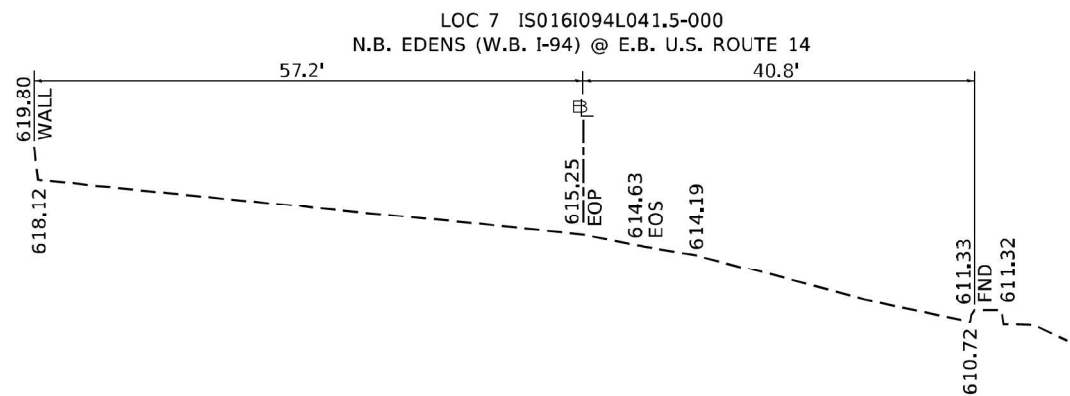
SGN-24



THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SGN-25

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN TRUSS TYPICAL SECTIONS VARIOUS LOCATIONS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000 " / in.	CHECKED - IDOT	REVISED -				94	FAP 0346 23 SIGN	COOK/LAKE	208	134
	PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -		SCALE: NONE SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 62V17				
							ILLINOIS FED. AID PROJECT				



THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN TRUSS TYPICAL SECTIONS
VARIOUS LOCATIONS

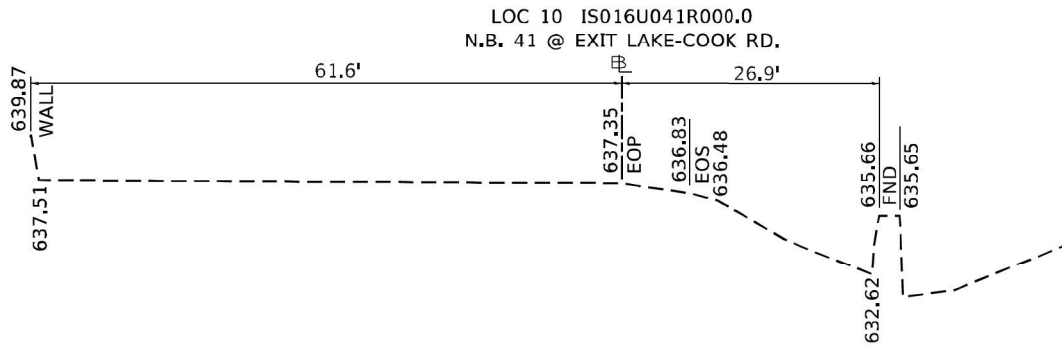
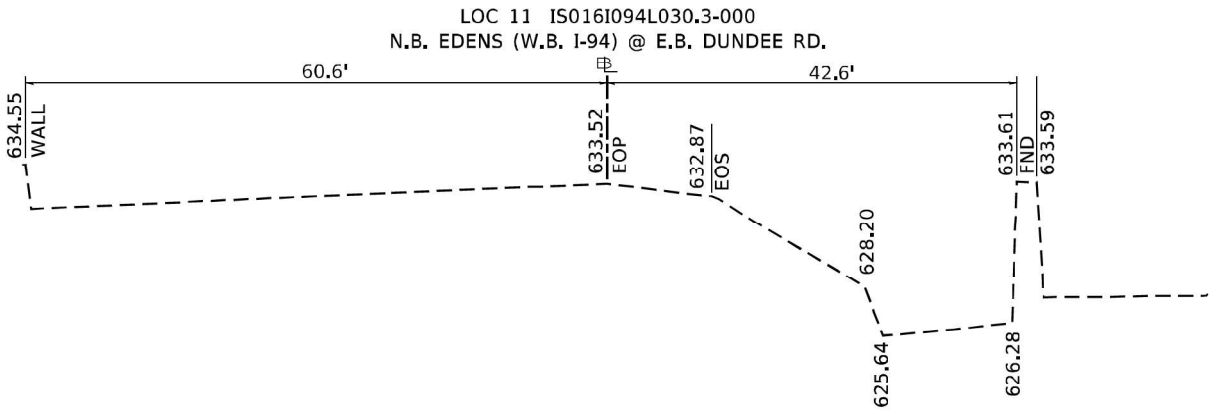
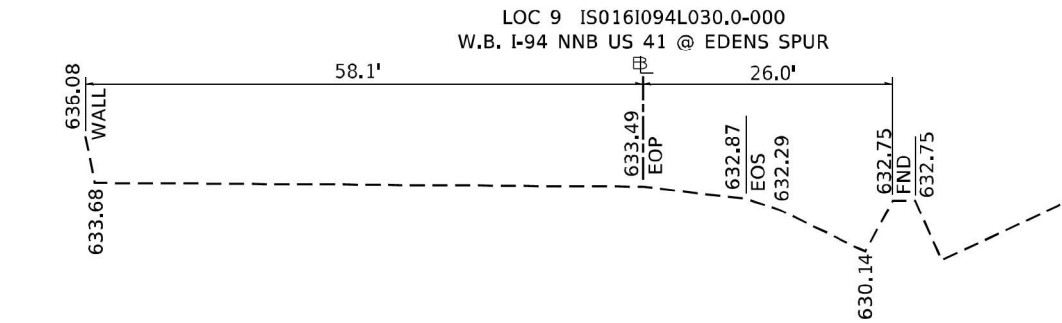
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	135
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET OF SHEETS STA. TO STA.

SGN-26

MODEL: Default
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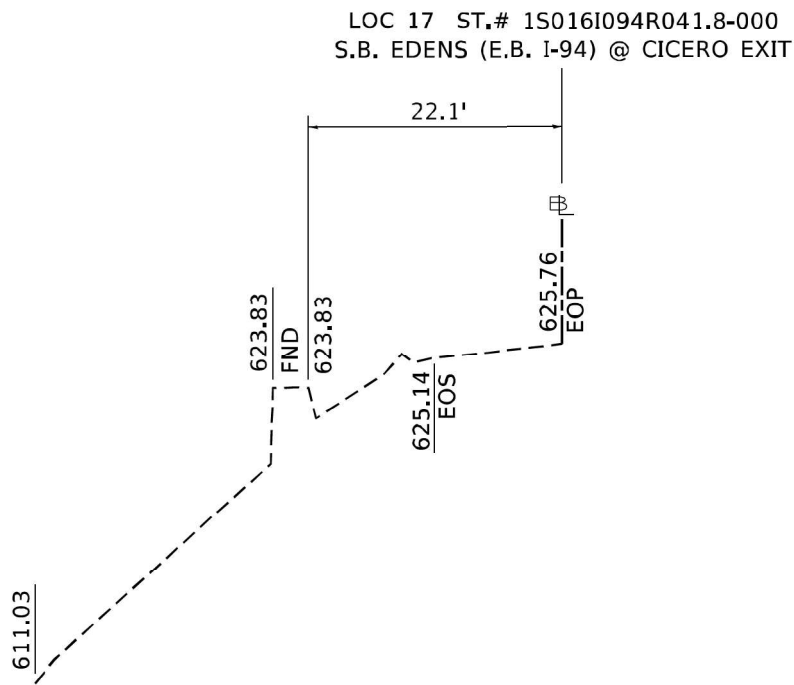
THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SGN-27

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN TRUSS TYPICAL SECTIONS VARIOUS LOCATIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000 " / in.	CHECKED - IDOT	REVISED -						41/94	FAP 0346 23 SIGN	COOK/LAKE	208	136
	PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -		CONTRACT NO. 62V17								
					SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

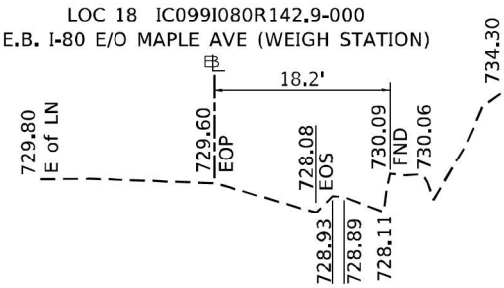
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THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.



SGN-28

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN TRUSS TYPICAL SECTIONS VARIOUS LOCATIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IDOT	REVISED -						94	FAP 0346 23 SIGN	COOK/LAKE	208	137
	PLOT SCALE = 100,0000 " / in.	CHECKED - IDOT	REVISED -						CONTRACT NO. 62V17				
	PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -		SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



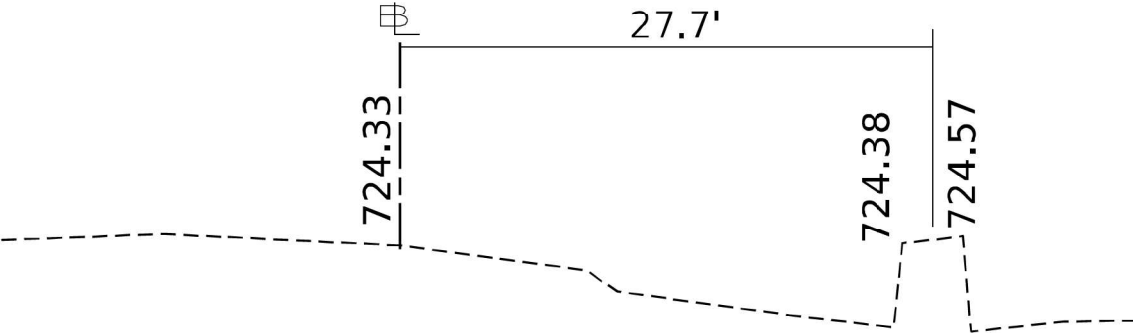
THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SGN-29

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN TRUSS TYPICAL SECTIONS VARIOUS LOCATIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IDOT	REVISED -					80	FAP 0346 23 SIGN	COOK/LAKE	208	138
	PLOT SCALE = 100,0000 " / in.	CHECKED - IDOT	REVISED -					CONTRACT NO. 62V17				
	PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -		SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

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IL 83 SB 34



THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

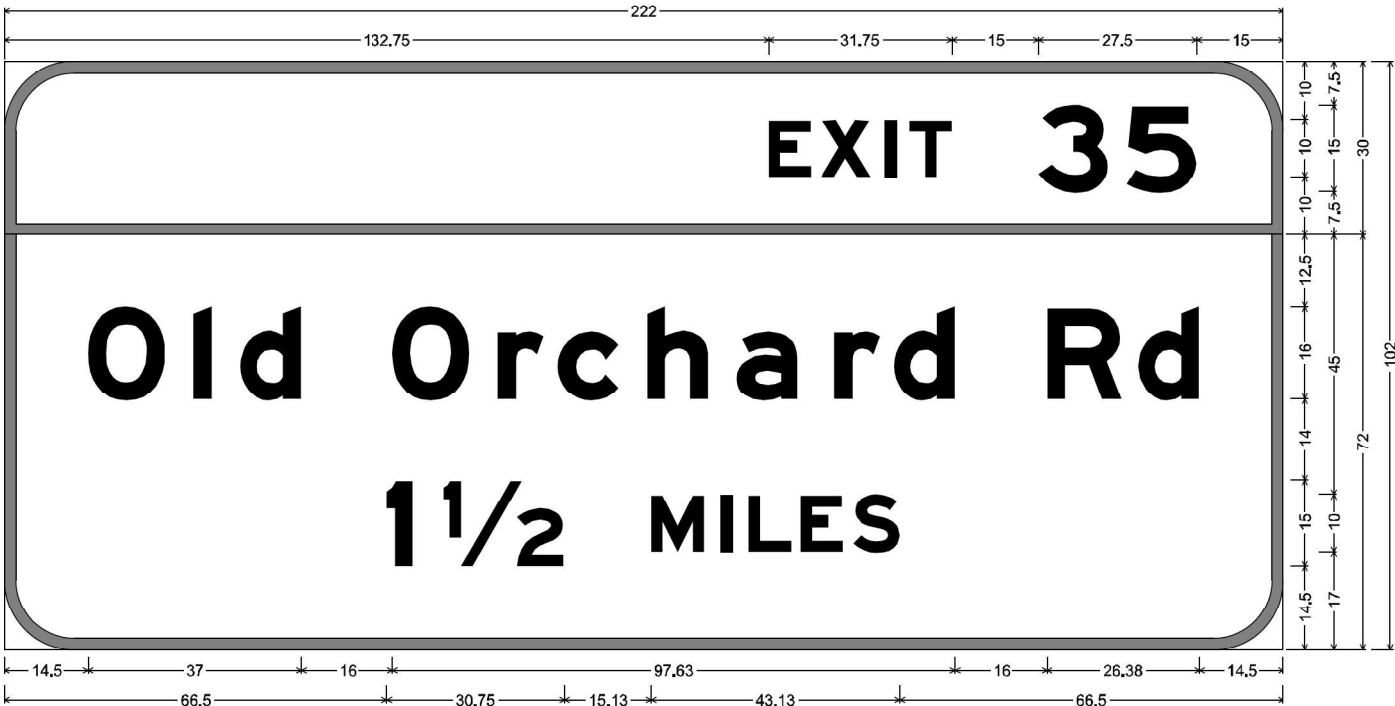
SGN-30

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN TRUSS TYPICAL SECTIONS VARIOUS LOCATIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IDOT	REVISED -					83	FAP 0346 23 SIGN	COOK/LAKE	208	139
	PLOT SCALE = 100,0000 " / in.	CHECKED - IDOT	REVISED -					CONTRACT NO. 62V17				
	PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -		SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

Model: Default
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STRUCTURE NUMBER		1S0161094L037, 5-000	
LOCATION 1A		EXPRESSWAY	
SIZE (W × H)	EXIT PLAQUE	-	
	MAIN PANEL	18, 5' X 8, 5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	

STRUCTURE NUMBER		1S0161094L037, 5-000	
LOCATION 1B		EXPRESSWAY	
SIZE (W × H)	EXIT PLAQUE	-	
	MAIN PANEL	16' X 12, 5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		MIDDLE	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



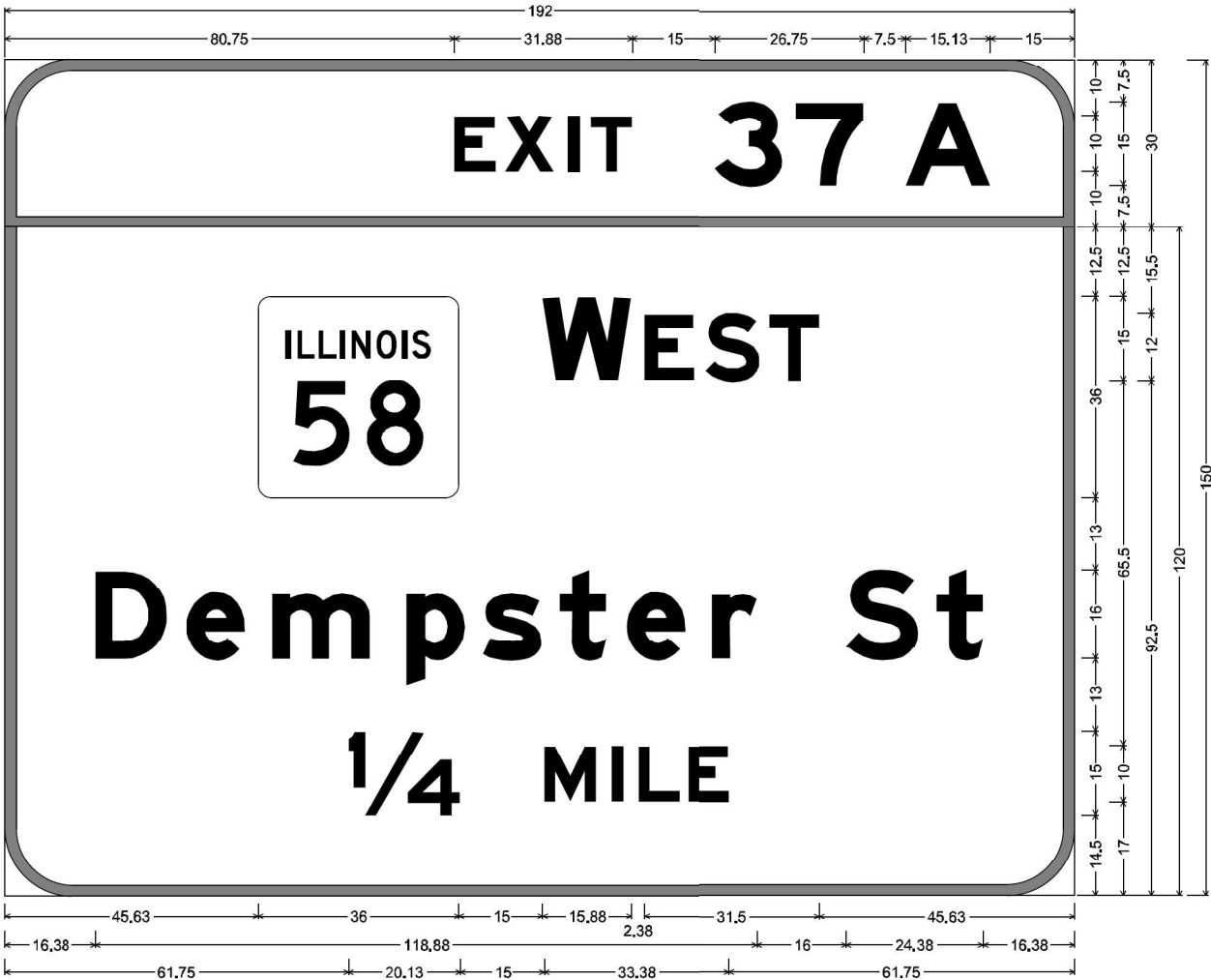
12.00" Radius, 2.00" Border, White on Green;
[EXIT] E Mod 2K 120% spacing; [35] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[Old Orchard Rd] E Mod 2K; [1½ MILES] E Mod 2K;

Table of widths and spaces.

132.75	E	7.38	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	3	12.13	3.25	S	12.13	15.00
14.50	O	13.50	4.75	I	3.25	4.88	d	10.63	16.00	O	13.38	4.88	r	8.00	2.38	c	10.50	5.00
66.50	I	4.50	5.38	1/2	20.88	15.00	M	9.38	2.75	I	2.00	2.88	L	7.38	1.63	E	7.38	1.75
																S	8.13	66.50

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SIGNS SHOWN HAVE BEEN MANUFACTURED AND ARE BEING STORED AT AN
IDOT FACILITY. CONTRACTOR SHALL ARRANGE TO PICK UP TYPE 3 GUIDE
SIGNS, TRANSPORT THEM TO THE PROJECT SITE, AND INSTALL THEM TO
PROPOSED STRUCTURES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.



12.00" Radius, 2.00" Border, White on Green;
[EXIT] E Mod 2K 120% spacing; [37] E Mod 2K; [A] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[WEST] E Mod 2K; [Dempster St] E Mod 2K; [¼ MILE] E Mod 2K;

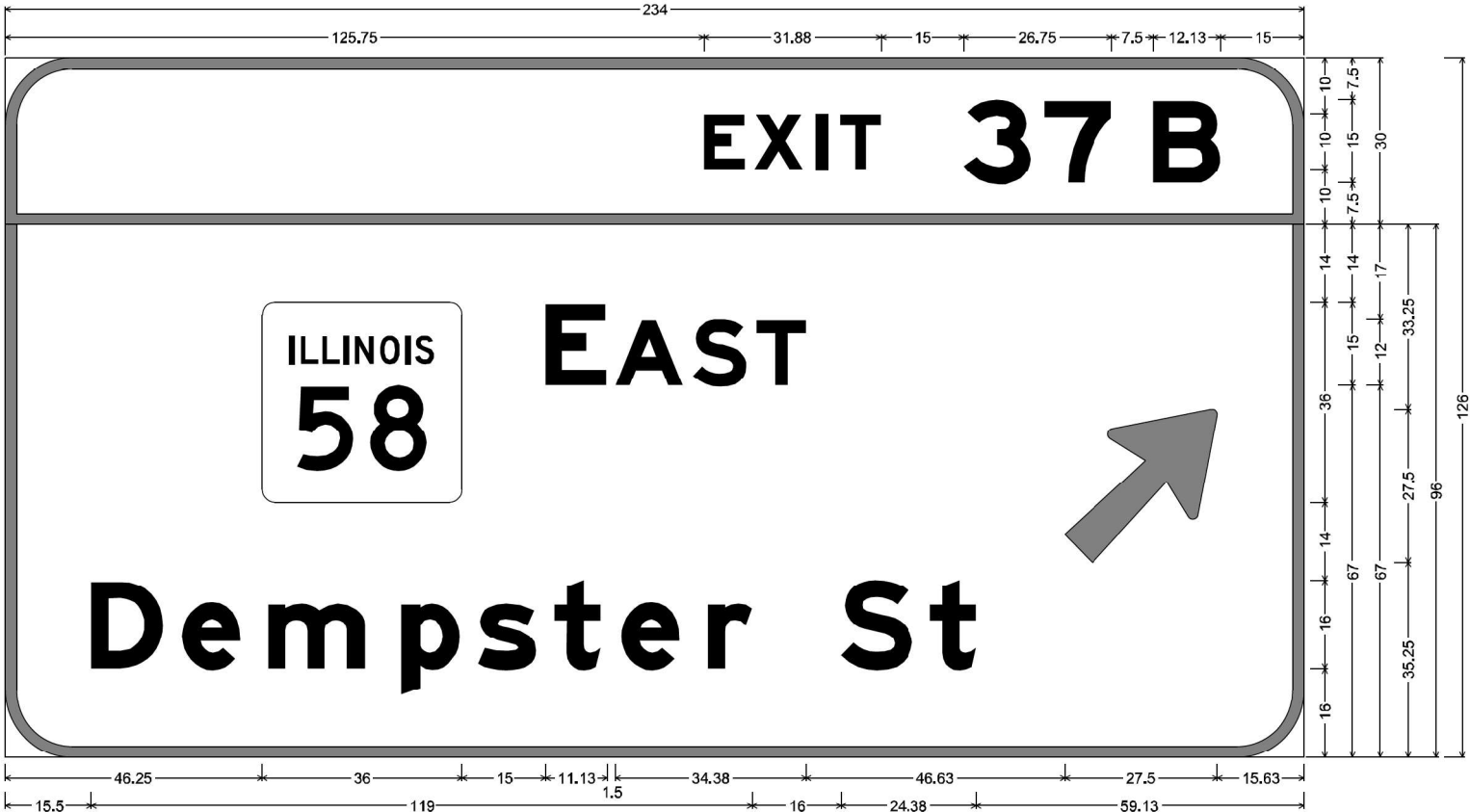
Table of widths and spaces.

80.75	E	7.50	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	3	12.13	2.38	7	12.25	7.50
45.63	W	36.00	15.00	15.88	2.38	8.88	2.25	9.63	1.88	8.88	45.63							
16.38	D	12.88	3.38	e	10.50	5.00	m	17.63	6.38	p	10.63	3.13	s	10.63	3.13	t	8.38	3.63
61.75	1/4	20.13	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	61.75			

SGN-31

	USER NAME = mezag	DESIGNED - IDQK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 * / in.	DRAWN - IDQK	REVISED -							FAP 0346 23 SIGN	COOK/LAKE	208	140
	PLOT DATE = 9/29/2021	CHECKED - IDQP	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 62V17				
		DATE - 06/20/2020	REVISED -						ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S0161094L037, 5-000	
LOCATION 1C		EXPRESSWAY	
SIZE (W × H)	EXIT PLAQUE	-	
	MAIN PANEL	19.5' X 10.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE#	ZZ
		COLOR#	GREEN
		TYPE#	
		COLOR#	
	LEGEND / BORDER	TYPE#	ZZ
		COLOR#	WHITE
		TYPE#	
		COLOR#	



12.00" Radius, 2.00" Border, White on Green;
[EXIT] E Mod 2K 120% spacing; [37] E Mod 2K; [B] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[EAST] E Mod 2K; [Dempster St] E Mod 2K; Arrow 160 - 35.00" 45";
Table of widths and spaces.

125.75	E	7.50	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	3	12.13	2.38	7	12.25	7.50	B	12.13	15.00									
46.25	58	36.00	15.00	E	11.13	1.50	A	12.13	1.75	S	9.75	1.75	8.88	46.75	27.50	15.63														
15.50	D	13.00	3.38	e	10.50	5.00	m	17.63	6.38	p	10.63	3.13	s	10.63	3.13	t	8.38	3.63	e	10.50	5.00	r	8.00	16.00	S	13.00	3.13	t	8.38	59.13

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SIGNS SHOWN HAVE BEEN MANUFACTURED AND ARE BEING STORED AT AN IDOT FACILITY. CONTRACTOR SHALL ARRANGE TO PICK UP TYPE 3 GUIDE SIGNS, TRANSPORT THEM TO THE PROJECT SITE, AND INSTALL THEM TO PROPOSED STRUCTURES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

SGN-32

Model: Default
File Name: p:\work\ben\ben\com\p\w\dot\Documents\IDOT Offices\District 1\Projects\M602420\CAD\Drawn\Traffic\CAD - Sign\CAD\ALLSIGNS\CONV-06-09-2021.dgn

	USER NAME = mezag	DESIGNED - IDQK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IDQK	REVISED -							FAP 0346 23 SIGN	COOK/LALKE	208	141
	PLOT SCALE = 40,0000 ' / in.	CHECKED - IDQP	REVISED -						CONTRACT NO. 62V17				
	PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -		SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.	
					ILLINOIS FED. AID PROJECT								

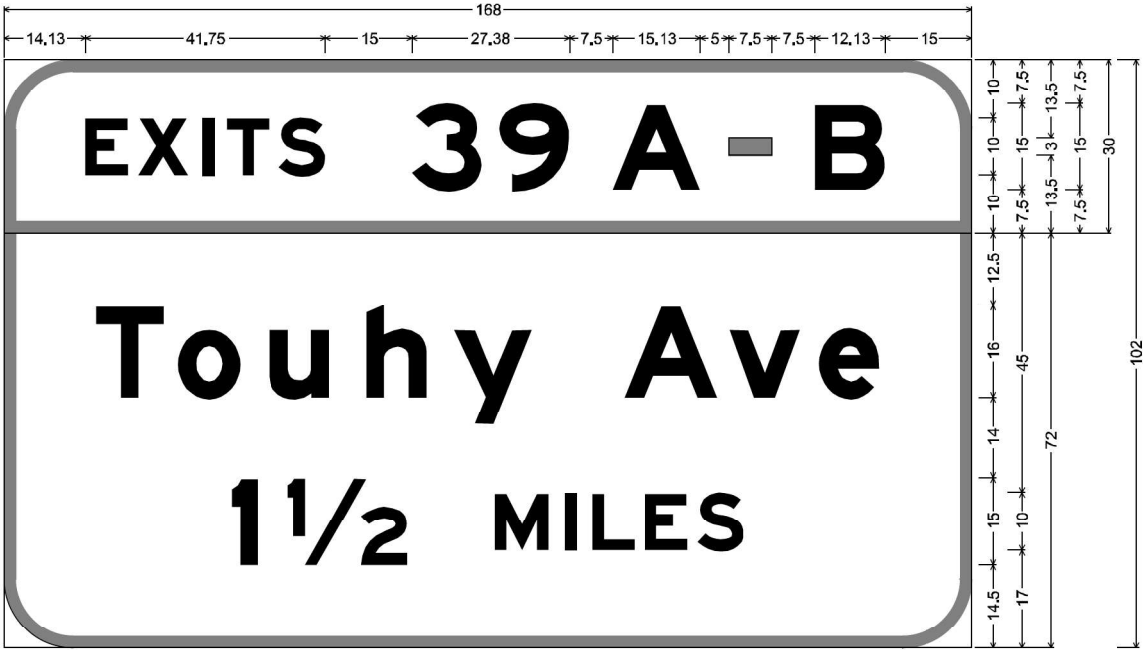
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STRUCTURE NUMBER		1S0161094L041.5-000	
LOCATION 7A		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

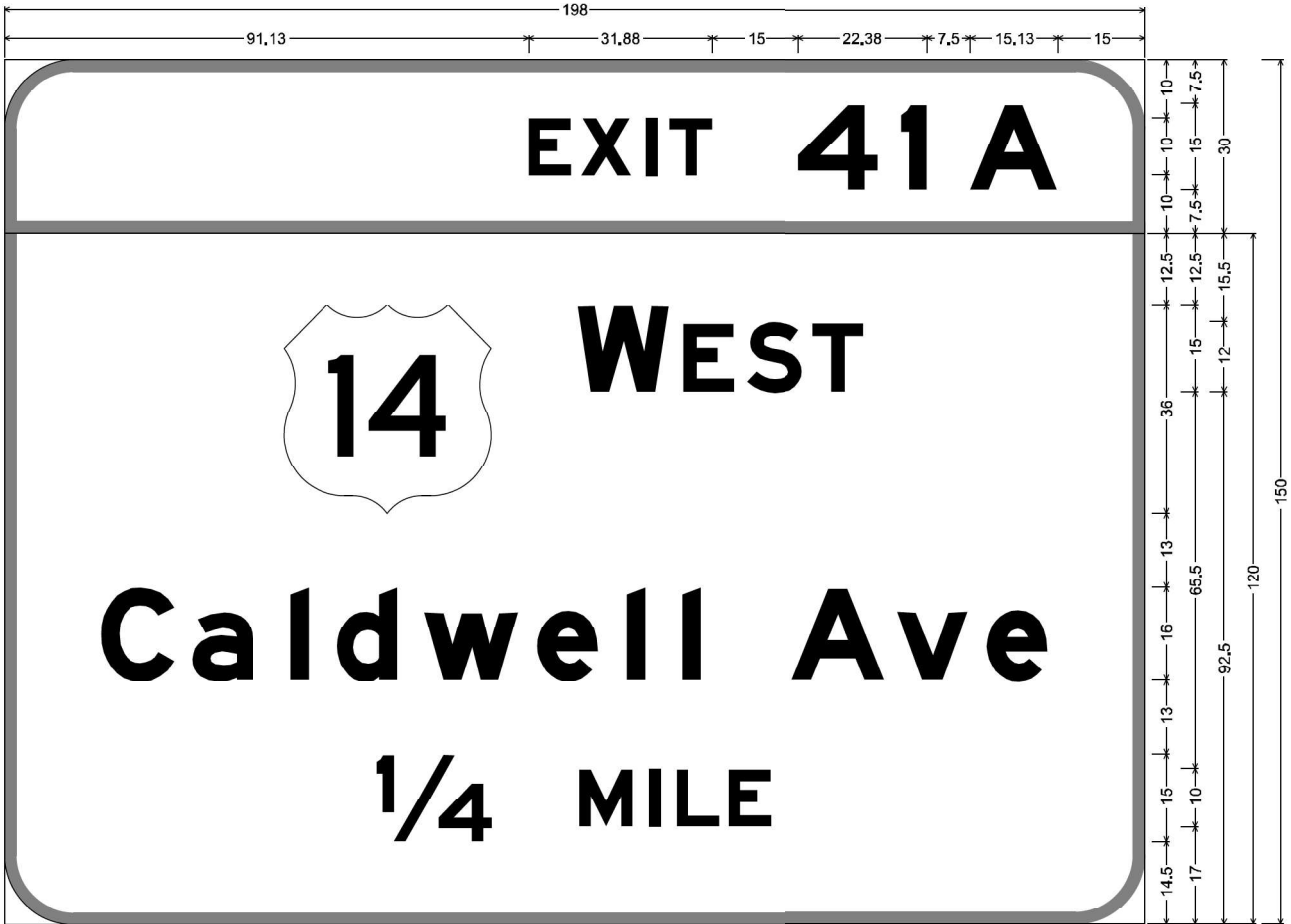
SIGNS SHOWN HAVE BEEN MANUFACTURED AND ARE BEING STORED AT AN
IDOT FACILITY. CONTRACTOR SHALL ARRANGE TO PICK UP TYPE 3 GUIDE
SIGNS, TRANSPORT THEM TO THE PROJECT SITE, AND INSTALL THEM TO
PROPOSED STRUCTURES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

STRUCTURE NUMBER		1S0161094L041.5-000	
LOCATION 7B		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	16.5' X 12.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		MIDDLE	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



12.00" Radius, 2.00" Border, White on Green;
[EXITS] E Mod 2K 120% spacing; [39] E Mod 2K; [A] E Mod 2K; [B] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[Touhy Ave] E Mod 2K; [1 1/2 MILES] E Mod 2K;
Table of widths and spaces.

14.13	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	1.75	S	8.13	15.00	3	12.13	3.00	9	12.13	7.50	A	15.25	5.00		7.50	7.50	B	12.13	15.00
15.88	T	11.88	2.38	o	10.88	5.00	u	10.50	6.50	h	10.50	4.63	y	13.63	16.00	A	16.13	2.13	v	12.25	3.25	e	10.50	16.00						
39.50	1	4.50	5.38	1/2	20.88	15.00	M	9.38	2.75	I	2.00	2.88	L	7.38	1.63	E	7.38	1.75	S	8.13	39.50									



12.00" Radius, 2.00" Border, White on Green;
[EXIT] E Mod 2K 120% spacing; [41] E Mod 2K; [A] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[WEST] E Mod 2K; [Caldwell Ave] E Mod 2K; [1/4 MILE] E Mod 2K;
Table of widths and spaces.

91.13	E	7.38	1.75	X	8.63	2.50	2.00	2.25	T	7.38	15.00	4	13.88	4.00	I	4.50	7.50	A	15.13	15.00													
48.63	14	36.00	15.00	W	15.88	2.38	E	8.88	2.25	S	9.63	1.88	T	8.88	48.63																		
16.75	C	13.00	3.00	a	10.63	6.38	I	3.13	5.00	d	10.50	4.75	w	16.25	3.25	e	10.50	5.00	I	3.13	6.50	I	3.13	16.00	A	16.13	2.13	v	12.38	3.13	e	10.63	16.75
64.75	1/4	20.13	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	64.75																		

SGN-33

USER NAME = mezag	DESIGNED - IDQK	REVISED -
DRAWN - IDQK	REVISED -	
PLOT SCALE = 40,0000 * / in	CHECKED - IDQP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	142
		CONTRACT NO. 62V17		
		ILLINOIS FED. AID PROJECT		

STRUCTURE NUMBER		1S0161094L041.5-000	
LOCATION		7C	EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	20' X 10.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE#	ZZ
		COLOR#	GREEN
		TYPE#	
		COLOR#	
	LEGEND / BORDER	TYPE#	ZZ
		COLOR#	WHITE
		TYPE#	
		COLOR#	

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SIGNS SHOWN HAVE BEEN MANUFACTURED AND ARE BEING STORED AT AN IDOT FACILITY. CONTRACTOR SHALL ARRANGE TO PICK UP TYPE 3 GUIDE SIGNS, TRANSPORT THEM TO THE PROJECT SITE, AND INSTALL THEM TO PROPOSED STRUCTURES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.



12.00" Radius, 2.00" Border, White on Green;
[EXIT] E Mod 2K 120% spacing; [41] E Mod 2K; [B] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[EAST] E Mod 2K; [Peterson Ave] E Mod 2K; Arrow 160 - 35.00" 45°;
Table of widths and spaces.

136.13	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	15.00	4	13.88	4.00	I	4.50	7.50	B	12.13	15.00												
49.75	(E)	36.00	15.00	E	11.13	1.50	A	12.13	1.75	S	9.75	1.75	T	8.88	49.88	27.50	15.00																
15.00	P	13.00	2.38	e	10.50	3.25	t	8.25	3.75	e	10.50	5.00	r	8.00	2.13	s	10.50	3.50	o	10.88	5.00	n	10.50	16.00	A	16.25	2.00	v	12.38	3.13	e	10.63	57.50

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	DRAWN - IDQK	REVIS	REVISED -						FAP 0346 23 SIGN	COOK/LAKE	208	143
	PLOT SCALE = 40,0000 * / in.	CHECKED - IDQP	REVISED -					CONTRACT NO. 62V17				
	PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

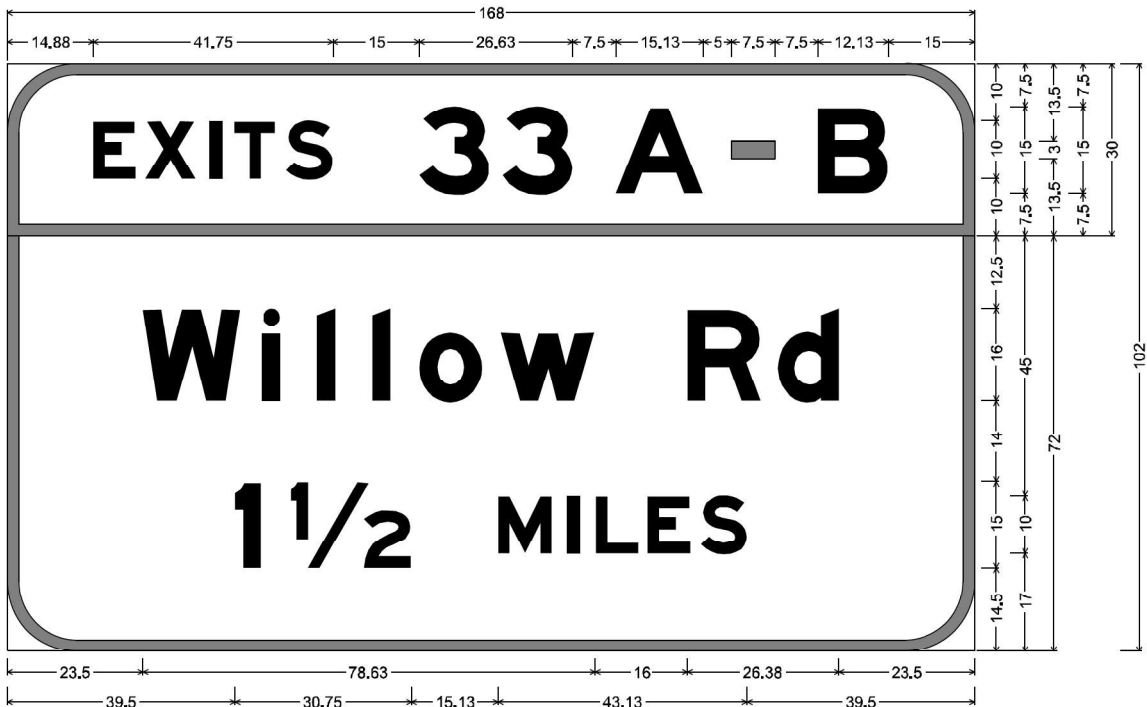
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STRUCTURE NUMBER		1S0161094L034, 6-000	
LOCATION 8A		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

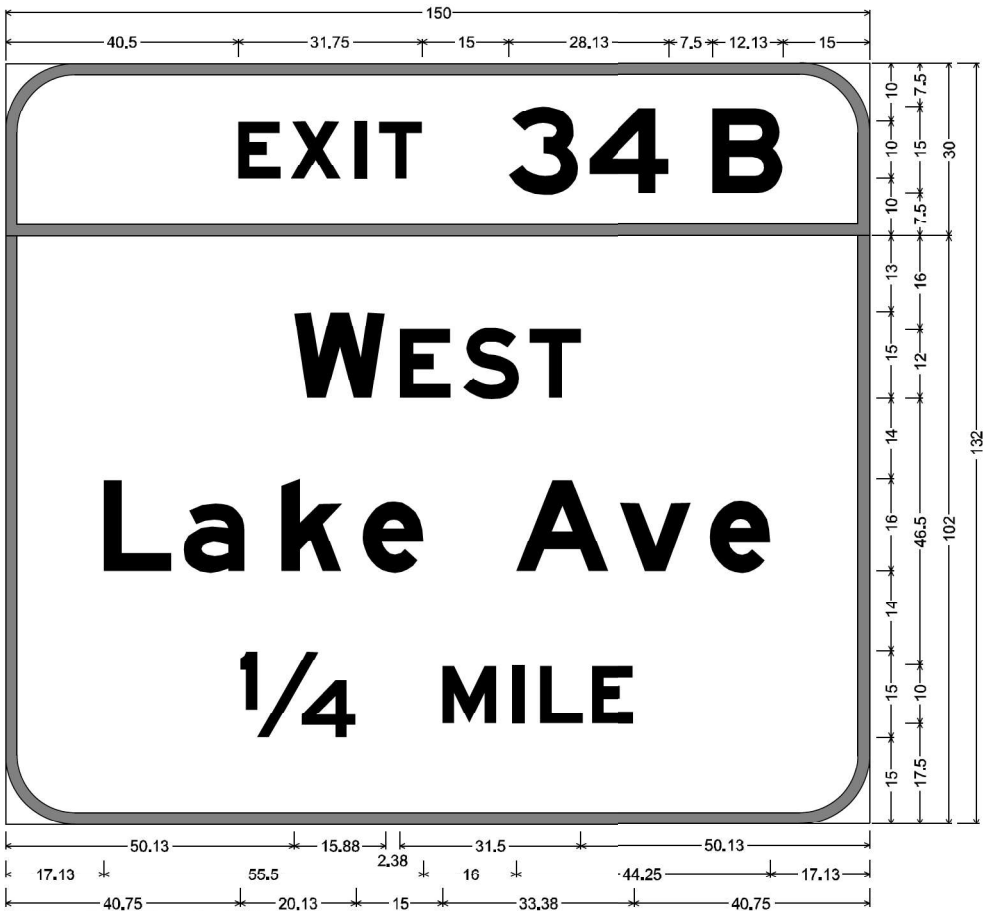
SIGNS SHOWN HAVE BEEN MANUFACTURED AND ARE BEING STORED AT AN IDOT FACILITY. CONTRACTOR SHALL ARRANGE TO PICK UP TYPE 3 GUIDE SIGNS, TRANSPORT THEM TO THE PROJECT SITE, AND INSTALL THEM TO PROPOSED STRUCTURES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

STRUCTURE NUMBER		1S0161094L034, 6-000	
LOCATION 8B		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	12.5' X 11'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		MIDDLE	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



12.00" Radius, 2.00" Border, White on Green;
[EXITS] E Mod 2K 120% spacing; [33] E Mod 2K; [A] E Mod 2K; [B] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[Willow Rd] E Mod 2K; [1 1/2 MILES] E Mod 2K;
Table of widths and spaces.

14.88	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	1.75	S	8.13	15.00	3	12.13	2.25	3	12.13	7.50	A	15.25	5.00		7.50	B	12.13	15.00
23.50	W	17.00	3.88	I	3.13	6.38	I	3.25	6.38	I	3.25	4.88	O	10.88	3.25	W	16.25	16.00	R	13.00	2.88	D	10.63	23.50					
39.50	I	4.50	5.38	1/2	20.88	15.00	M	9.38	2.75	I	2.00	2.88	L	7.38	1.63	E	7.38	1.75	S	8.13	39.50								



12.00" Radius, 2.00" Border, White on Green;
[EXIT] E Mod 2K 120% spacing; [34] E Mod 2K; [B] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[WEST] E Mod 2K; [Lake Ave] E Mod 2K; [¼ MILE] E Mod 2K;
Table of widths and spaces.

40.50	E	7.38	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	3	12.13	2.00	4	14.00	7.50	B	12.13	15.00
50.13	W	15.88	2.38	E	8.88	2.25	S	9.63	1.88	T	8.88	50.13									
17.13	L	11.75	2.13	a	10.50	6.50	k	10.50	3.50	e	10.63	16.00	A	16.13	2.13	v	12.25	3.25	e	10.50	17.13
40.75	¼	20.13	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	40.75						

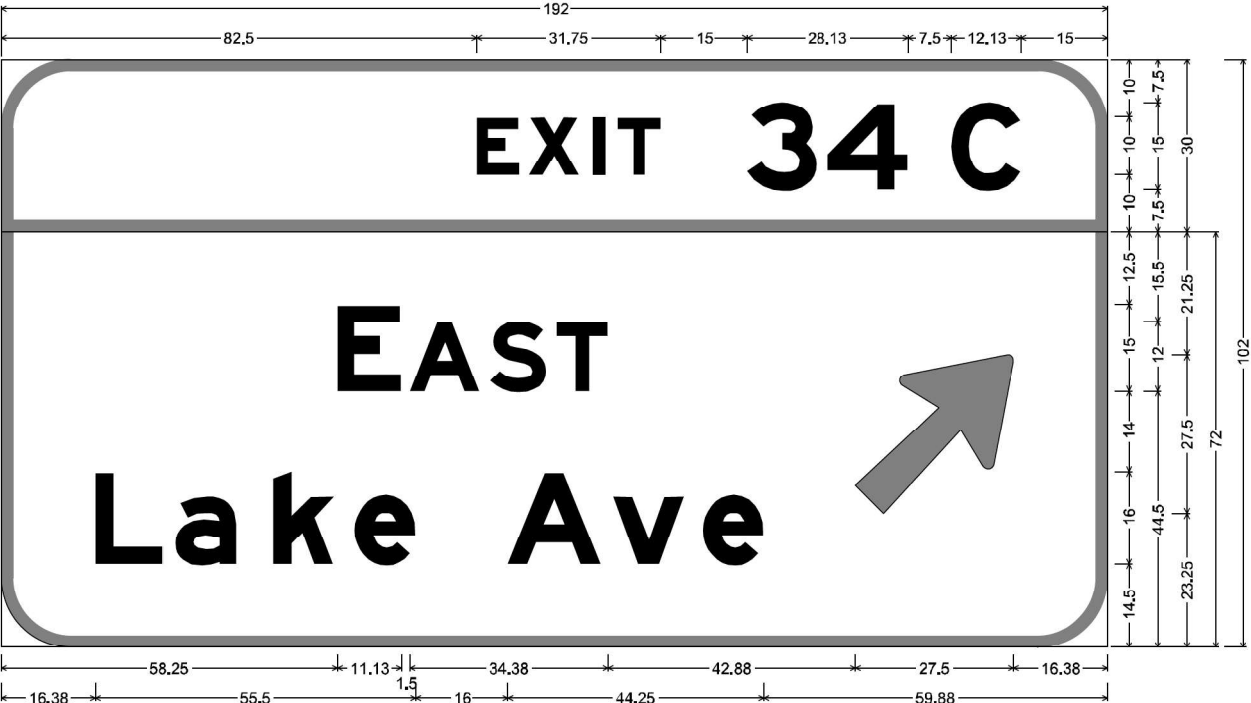
SGN-35

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IDOT	REVISED -						FAP 0346 23 SIGN	COOK/LAKE	208	144
	PLOT SCALE = 40,0000 * / in.	CHECKED - IDOT	REVISED -								CONTRACT NO. 62V17	
	PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -						ILLINOIS	FED. AID PROJECT		
SCALE:		SHEET OF SHEETS		STA.		TO STA.						

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SIGNS SHOWN HAVE BEEN MANUFACTURED AND ARE BEING STORED AT AN IDOT FACILITY. CONTRACTOR SHALL ARRANGE TO PICK UP TYPE 3 GUIDE SIGNS, TRANSPORT THEM TO THE PROJECT SITE, AND INSTALL THEM TO PROPOSED STRUCTURES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

STRUCTURE NUMBER		1S016I094L034, 6-000	
LOCATION		8C	EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	16' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE#	ZZ
		COLOR#	GREEN
		TYPE#	
		COLOR#	
	LEGEND / BORDER	TYPE#	ZZ
		COLOR#	WHITE
		TYPE#	
		COLOR#	



12.00" Radius, 2.00" Border, White on Green;
[EXIT] E Mod 2K 120% spacing; [34] E Mod 2K; [C] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[EAST] E Mod 2K; [Lake Ave] E Mod 2K; Arrow 160 - 35.00" 45°;
Table of widths and spaces.

82.50	E	7.38	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	3	12.13	2.00	4	14.00	7.50	C	12.13	15.00
58.25	E	11.13	1.50	A	12.13	1.75	S	9.75	1.75	T	8.88	43.00	27.50	16.38							
16.38	L	11.75	2.13	a	10.50	6.50	k	10.50	3.50	e	10.63	16.00	A	16.13	2.00	v	12.38	3.25	e	10.50	59.88

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IDOT	REVISED -							FAP 0346 23 SIGN	COOK/LAKE	208	145
	PLOT SCALE = 40,0000' / in.	CHECKED - IDOT	REVISED -						CONTRACT NO. 62V17				
	PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	FED. AID PROJECT

DETAILS

"LEFT" PLAQUE DETAIL DESIGN



1.88" Radius, 0.00" Border, White on Yellow;
[LEFT] Black E 2K 125% spacing;
Table of widths and spaces.

	L		E		F		T	
8.63	9.00	2.50	9.00	3.00	9.00	1.25	9.00	8.63

DETAILS

"TOLL" PLAQUE DETAIL DESIGN



1.50" Radius, No border
[TOLL] Black D 2K;
Table of widths and spaces.

	T		O		L	
5.75	4.88	1.13	5.63	1.75	5.00	1.13

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE
DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SIGNS SHOWN HAVE BEEN MANUFACTURED AND ARE BEING STORED AT AN
IDOT FACILITY. CONTRACTOR SHALL ARRANGE TO PICK UP TYPE 3 GUIDE
SIGNS, TRANSPORT THEM TO THE PROJECT SITE, AND INSTALL THEM TO
PROPOSED STRUCTURES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

41 NORTH
Waukegan

TOLL
INTERSTATE 94 WEST
Milwaukee

EXIT

ONLY

DETAILS

"LEFT" PLAQUE DETAIL DESIGN



1.88" Radius, 0.00" Border, White on Yellow;
[EXIT] Black E 2K specified length;
Table of widths and spaces.

	E		X		I		T	
7.38	9.00	2.38	10.50	3.25	2.25	2.88	9.00	7.38

DETAILS

"LEFT" PLAQUE DETAIL DESIGN



1.88" Radius, 0.00" Border, White on Yellow;
[ONLY] Black E 2K specified length;
Table of widths and spaces.

	O		N		L		Y	
3.00	10.13	2.75	9.75	3.13	9.00	1.00	12.13	3.13

STRUCTURE NUMBER		1S0161094L030. 0-000	
LOCATION		9 EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	9.5' x 4.5'	
	MAIN PANEL	44' x 16.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE#	ZZ
		COLOR#	GREEN
		TYPE#	
	LEGEND / BORDER	COLOR#	
		TYPE#	ZZ
		COLOR#	WHITE
		TYPE#	
		COLOR#	

SGN-37

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

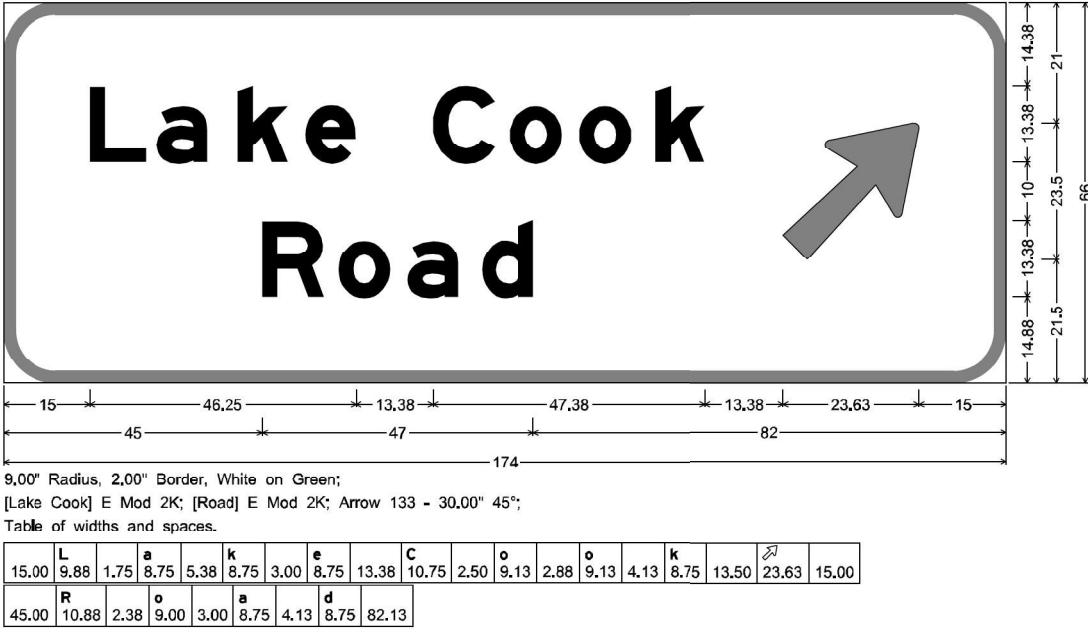
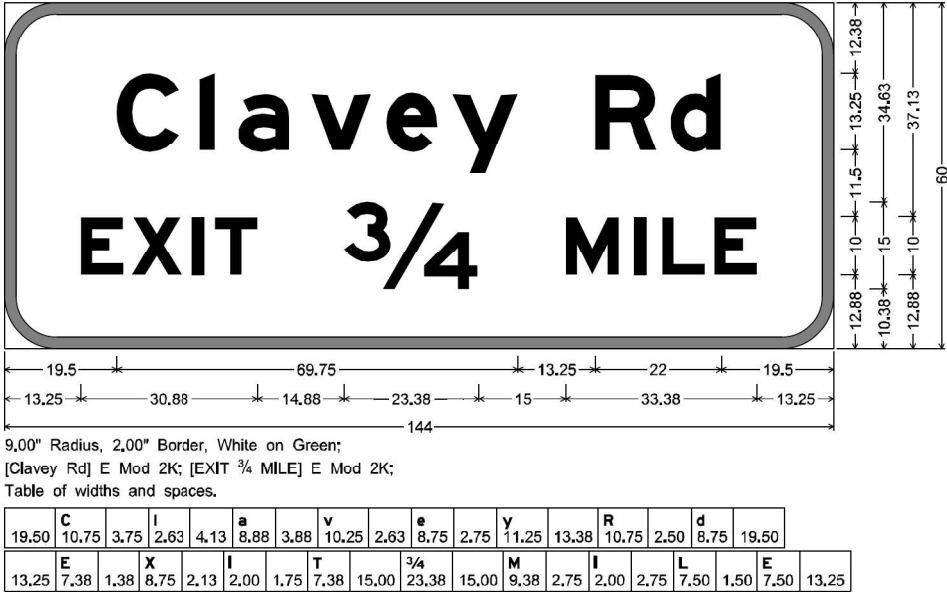
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	146
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

Model: Default
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STRUCTURE NUMBER		1S016U041R000, 0-000	
LOCATION 10A		ARTERIALS	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	12' X 5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	

STRUCTURE NUMBER		1S016U041R000, 0-000	
LOCATION 10B		ARTERIALS	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14.5' X 5.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



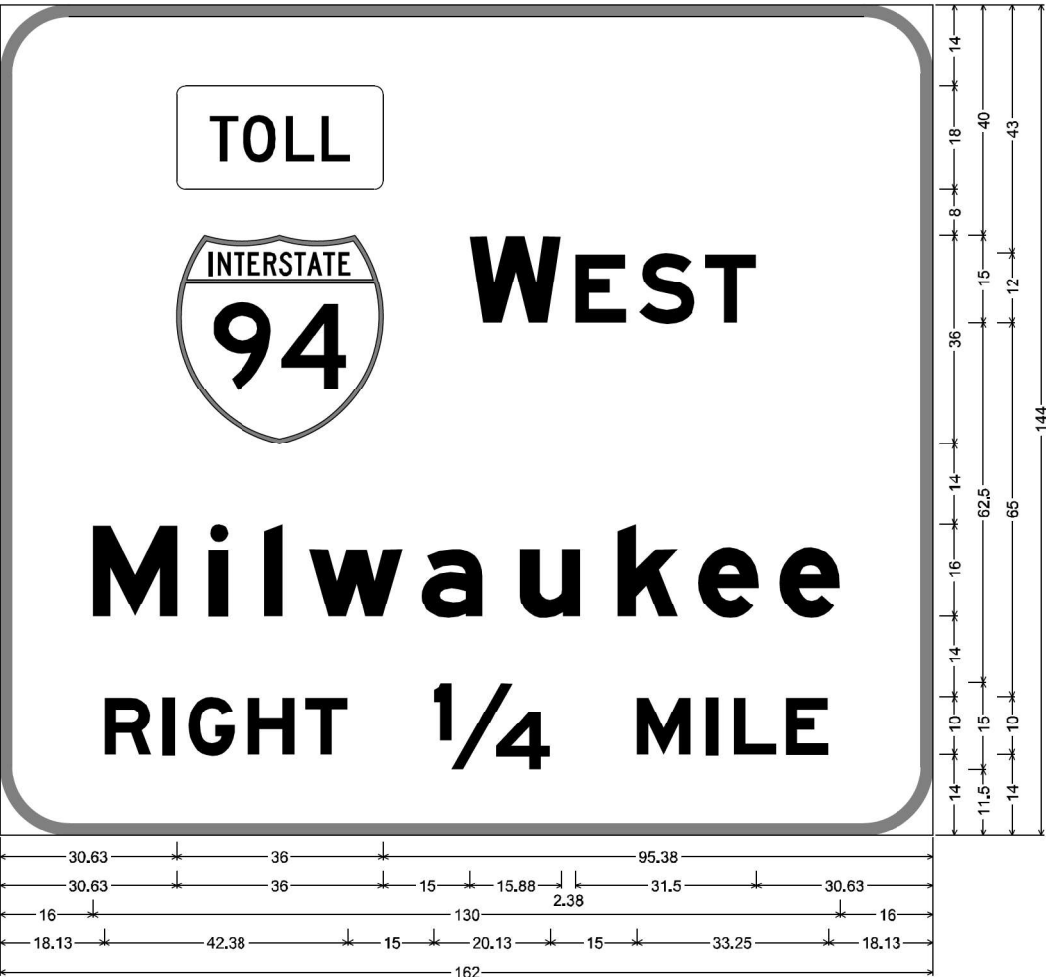
THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SIGNS SHOWN HAVE BEEN MANUFACTURED AND ARE BEING STORED AT AN IDOT FACILITY. CONTRACTOR SHALL ARRANGE TO PICK UP TYPE 3 GUIDE SIGNS, TRANSPORT THEM TO THE PROJECT SITE, AND INSTALL THEM TO PROPOSED STRUCTURES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

SGN-38

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IDOT	REVISED -						FAP 0346 23 SIGN	COOK/LAKE	208	147
	PLOT SCALE = 40,0000 * / in.	CHECKED - IDOT	REVISED -							CONTRACT NO. 62V17		
	PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -						ILLINOIS	FED. AID PROJECT		
SCALE:		SHEET	OF	SHEETS	STA.	TO STA.						

"TOLL" PLAQUE DETAIL DESIGN

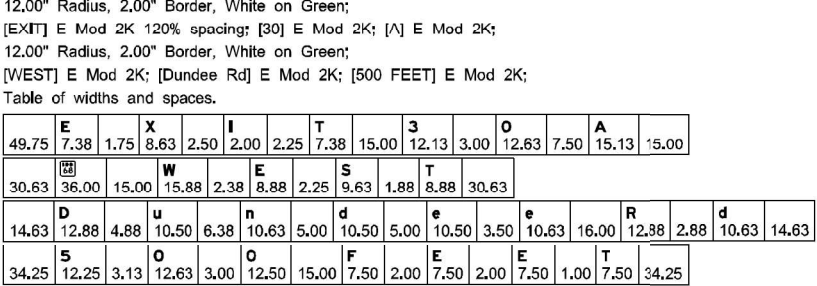


30.63	☐	36.00	95.38																												
30.63	☒	36.00	15.00	W	15.88	2.38	E	8.88	2.25	S	9.63	1.88	T	8.88	30.63																
16.00	M	14.88	5.50	I	3.13	6.50	I	3.13	4.63	w	16.38	3.13	a	10.63	6.38	u	10.50	6.50	k	10.50	3.50	e	10.63	3.50	e	10.50	16.13				
18.13	R	8.13	2.00	I	2.00	G	8.00	2.50	H	8.00	1.88	T	7.38	15.00	$\frac{1}{4}$	20.13	15.00	M	9.25	2.75	I	2.00	2.88	L	7.38	1.63	E	7.38	18.13		

STRUCTURE NUMBER		ISO161094L030.3-000	
LOCATION 11A		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	13.5' X 12'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	

SIGNS SHOWN HAVE BEEN MANUFACTURED AND ARE BEING STORED AT AN IDOT FACILITY. CONTRACTOR SHALL ARRANGE TO PICK UP TYPE 3 GUIDE SIGNS, TRANSPORT THEM TO THE PROJECT SITE, AND INSTALL THEM TO PROPOSED STRUCTURES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

STRUCTURE NUMBER		1S0161094L030, 3-000	
LOCATION 11B		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	13.5' X 12.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		MIDDLE	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

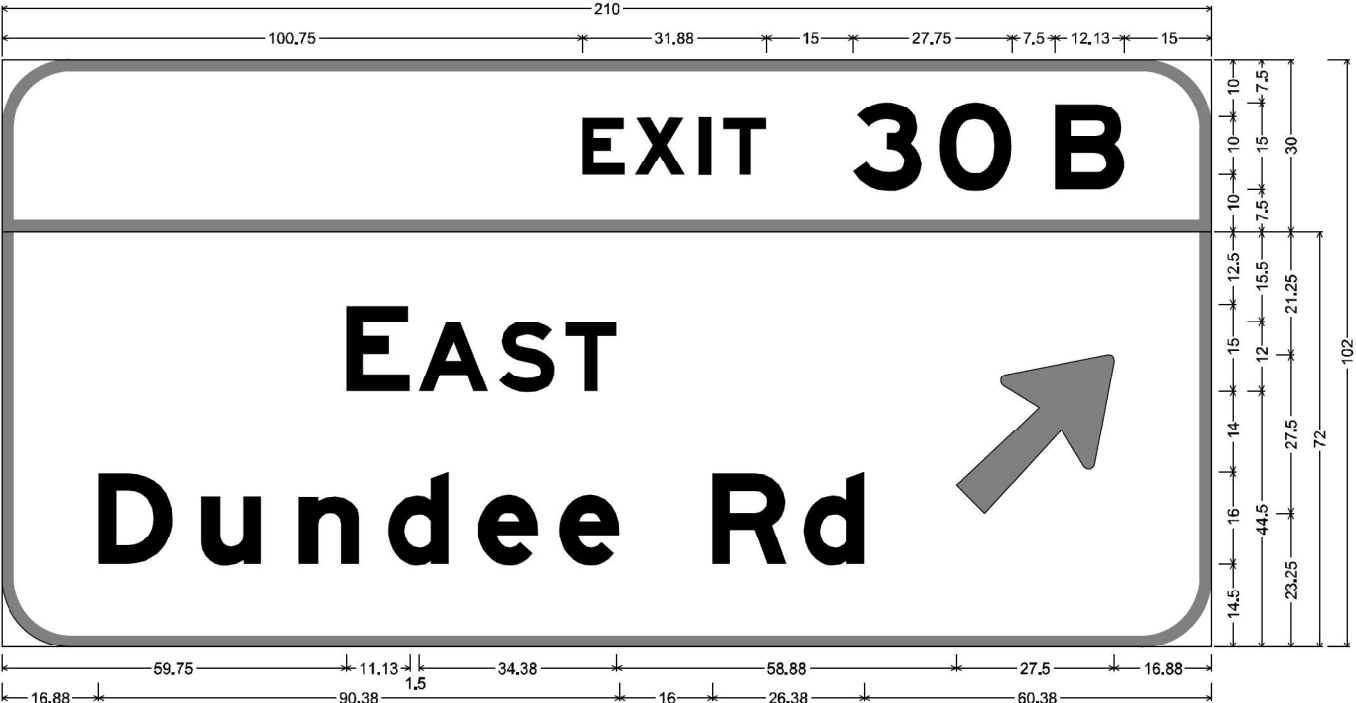
SIGN PANEL DESIGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAP 0346 23 SIGN	COOK/LAKE	208	148
		CONTRACT NO. 62V17		
ILLINOIS		FED. AID PROJECT		

THIS SHEET WAS COPIED FROM CONTRACT 46539 PER THE DIRECTION OF IDOT TRAFFIC OPERATIONS EXPRESSWAY SECTION.

SIGNS SHOWN HAVE BEEN MANUFACTURED AND ARE BEING STORED AT AN IDOT FACILITY. CONTRACTOR SHALL ARRANGE TO PICK UP TYPE 3 GUIDE SIGNS, TRANSPORT THEM TO THE PROJECT SITE, AND INSTALL THEM TO PROPOSED STRUCTURES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

STRUCTURE NUMBER		1S0161094L030, 3-000	
LOCATION		11C	EXPRESSWAY
SIZE (W × H)	EXIT PLAQUE	-	
	MAIN PANEL	17.5' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE#	ZZ
		COLOR#	GREEN
		TYPE#	
		COLOR#	
	LEGEND / BORDER	TYPE#	ZZ
		COLOR#	WHITE
		TYPE#	
		COLOR#	

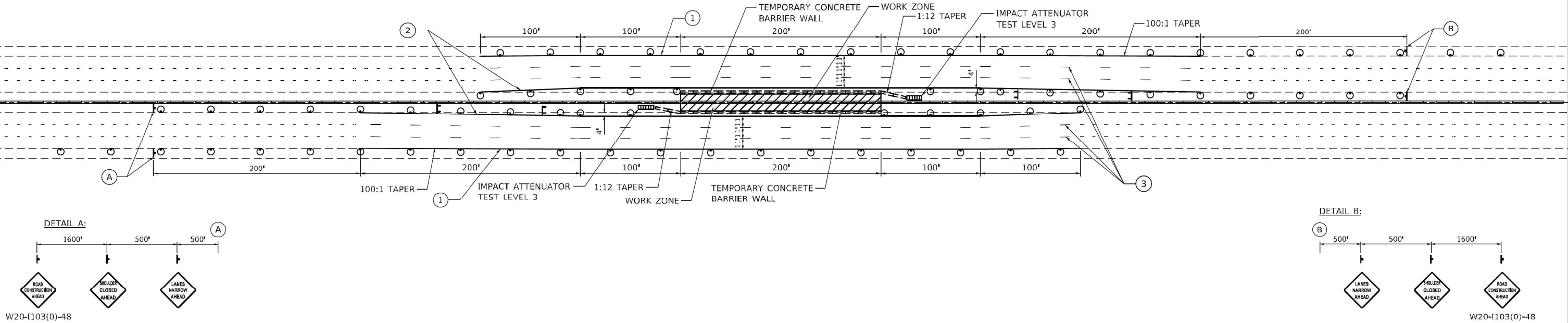


12.00" Radius, 2.00" Border, White on Green;
[EXIT] E Mod 2K 120% spacing; [30] E Mod 2K; [B] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[EAST] E Mod 2K; [Dundee Rd] E Mod 2K; Arrow 160 = 35.00" 45°;
Table of widths and spaces.

100.75	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	15.00	3	12.13	3.00	O	12.63	7.50	B	12.13	15.00			
59.75	E	11.13	1.50	A	12.13	1.75	S	9.75	1.75	T	8.88	59.00	27.50	16.88										
16.88	D	12.88	4.88	u	10.50	6.38	n	10.63	4.88	d	10.63	5.00	e	10.50	3.50	e	10.63	16.00	R	12.88	2.88	d	10.63	60.38

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IDOT	REVISED -						FAP 0346 23 SIGN	COOK/LAKE	208	149
	PLOT SCALE = 40,0000 * / in.	CHECKED - IDOT	REVISED -					CONTRACT NO. 62V17				
	PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE:		SHEET OF SHEETS		STA.		TO STA.						

Model: Default
File Name: p:\work\ben\11\com\p\id\DOT\Documents\IDOT Offices\District 1\Projects\M602042\DCAD\data\Traffic\46330-sh-122\dmu.dgn



NOTES:

EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED.

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 SHOULD BE WHITE. LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.

PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.

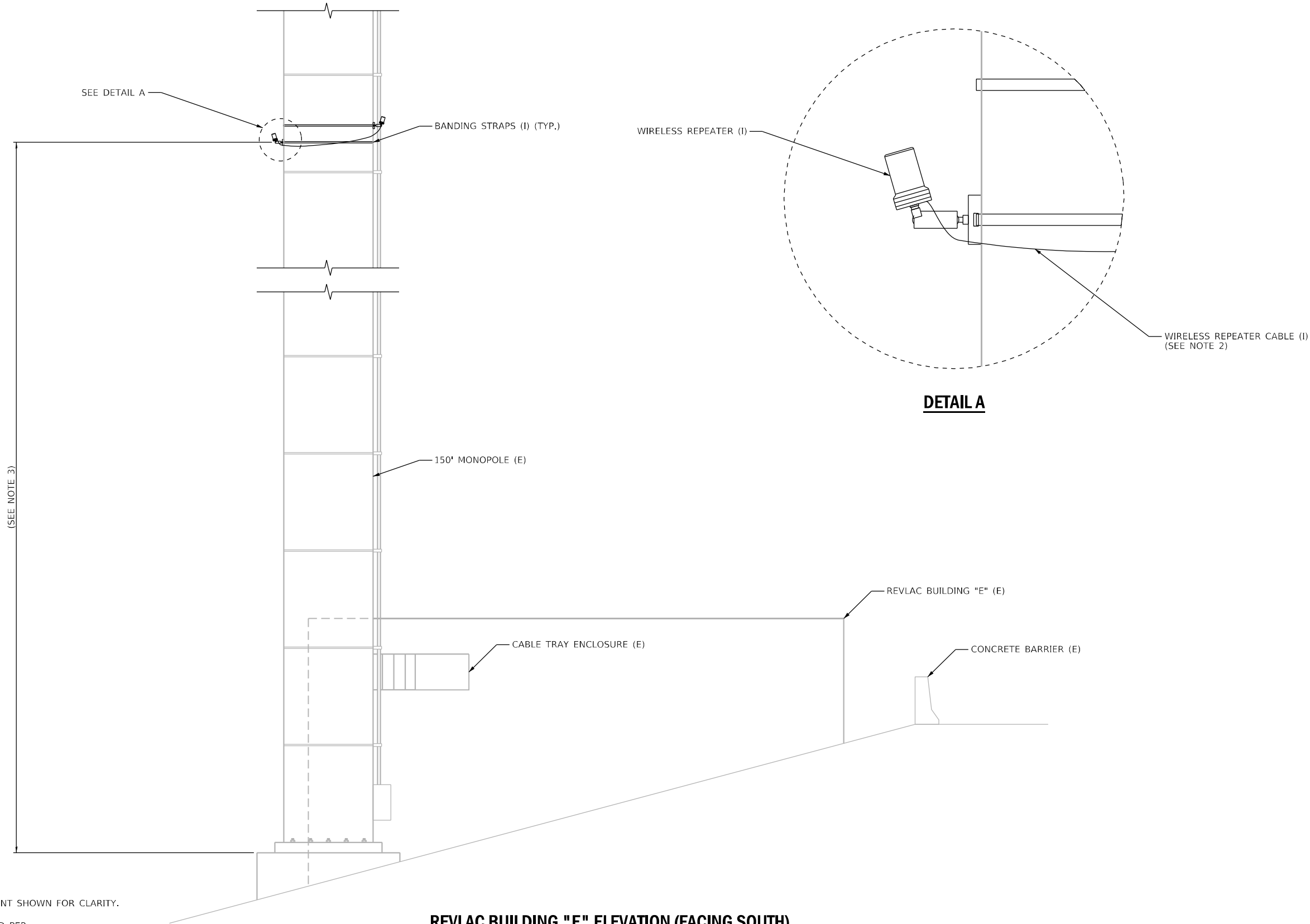
ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE EXCEEDS FOUR DAYS.

PAVEMENT MARKING LEGEND

- ① EXISTING PAVEMENT MARKING
- ② TEMP. PVT. MK. TAPE, TYPE IV, 4", SOLID, YELLOW
- ③ TEMP. PVT. MK. TAPE, TYPE IV, 5", SKIP-DASH, 10' DASH, 30' SKIP, WHITE

	USER NAME = mezag	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN STRUCTURE REPAIR TYPICAL MOT FOR LOCATIONS #1, 2, 7, 8, 9, 10, & 11				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IDOT	REVISED -						FAP 0346 23 SIGN			208	150
	PLOT SCALE = 100,0000 " / in.	CHECKED - IDOT	REVISED -					CONTRACT NO. 62V17					
	PLOT DATE = 9/29/2021	DATE -	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

F:\A\Projects\Illiana\IER_Jacobs.com\MapDocuments\COV20600_494_U.S._41\COV20600\708cad\713tra\62V17 ITS Cabinet Replacement\070_001_DET\17-shi-DET.dgn



DETAIL A

- NOTES:
1. NOT ALL MONOPOLE MOUNTED EQUIPMENT SHOWN FOR CLARITY.
 2. WIRELESS REPEATERS TO BE CONNECTED PER MANUFACTURER'S GUIDANCE.
 3. CONTRACTOR SHALL MOUNT REPEATER AT A SUFFICIENT HEIGHT TO RELAY SIGNAL BACK TO ACCESS POINT AT WILSON AVENUE RAMP METER CABINET.

REVLAC BUILDING "E" ELEVATION (FACING SOUTH)

N.T.S.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - CJR	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAMERA TOWER MODIFICATION DETAIL
REVLAC BUILDING "E"

SCALE: NTS SHEET 1 OF 18 SHEETS STA. TO STA.

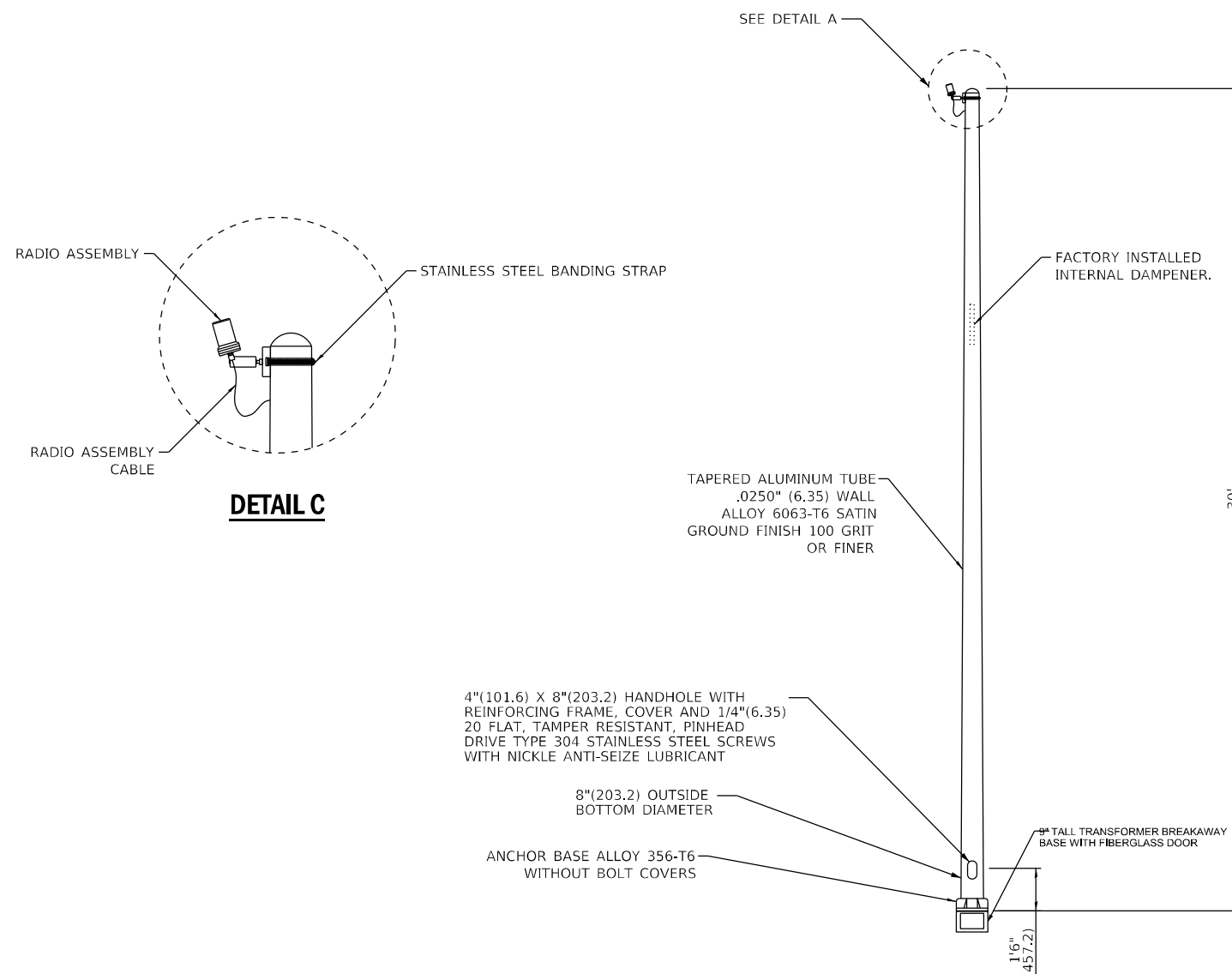
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	151
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				



ET-02

POLE	
MINIMUM SHAFT DIAMETER	MINIMUM WALL THICKNESS
10 TAPERED TO 6 (250 TO 150)	0.25 (6)

POLE BASE
BOLT CIRCLE DIAMETER
11.5 (290)



LIGHT POLE (SPECIAL)

GENERAL NOTES:

1. SEE STANDARD BE-305 FOR LIGHT POLE FOUNDATION.
2. VOIDS IN POLE BASE SHALL BE SEALED TO PREVENT RODENT ENTRY.
3. PROVIDE BREAKAWAY DEVICES WHERE REQUIRED.
4. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

DET-03

	USER NAME = korabmp	DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHT POLE, SPECIAL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - CJR	REVISED -			94	FAP 0346 23 SIGN	COOK/LAKE	208	153	
	PLOT SCALE =	CHECKED - CRH	REVISED -			CONTRACT NO. 62V17					
	PLOT DATE = 8/5/2024	DATE - 2/9/2024	REVISED -			SCALE: NTS	SHEET 3 OF 18 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

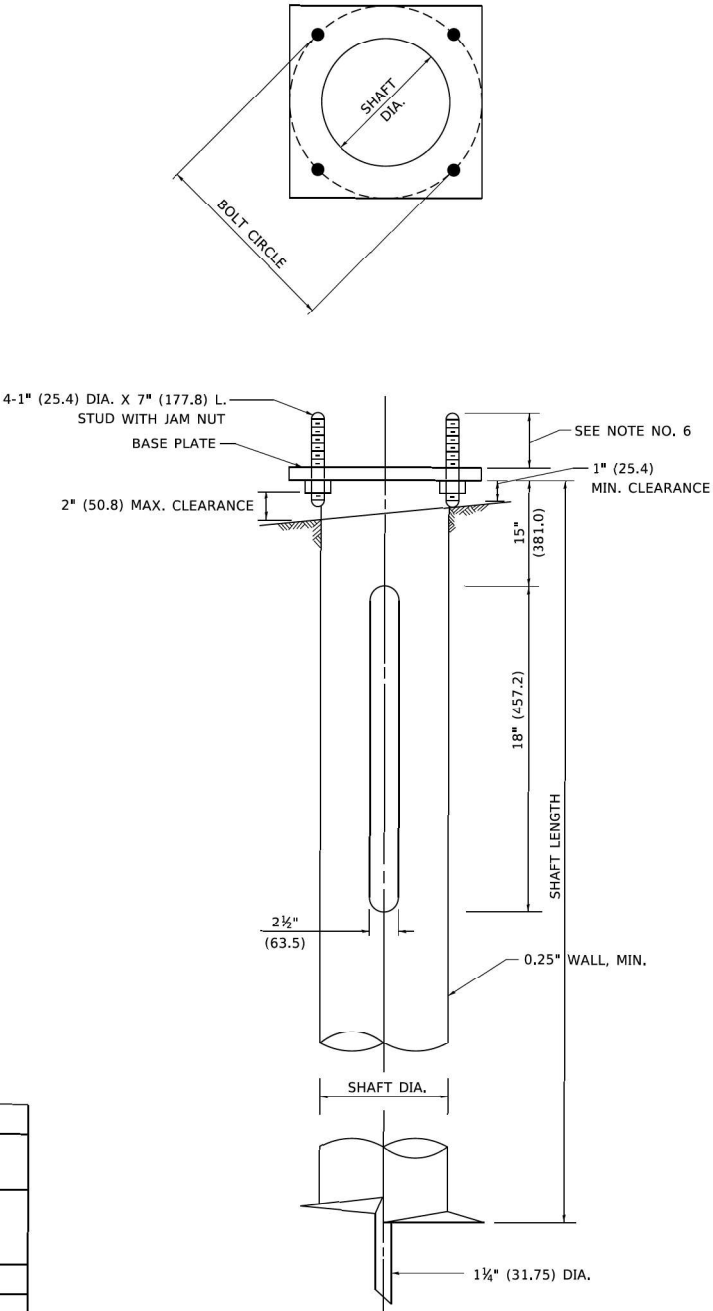
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HELIX FOUNDATION SIZE

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

METAL HELIX FOUNDATION MATERIALS

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



NOTES

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

LIGHT POLE FOUNDATION, METAL



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - CJR	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

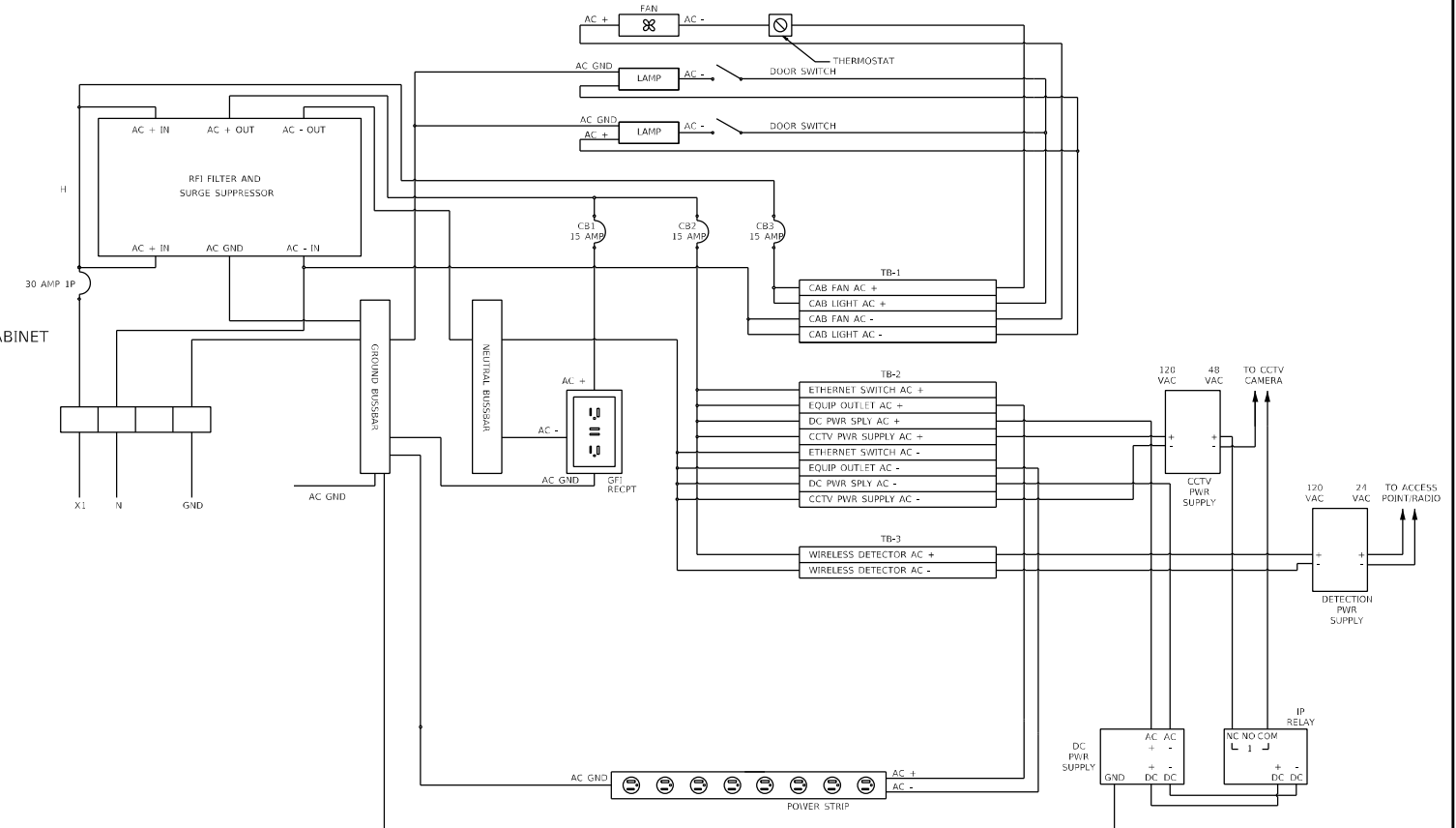
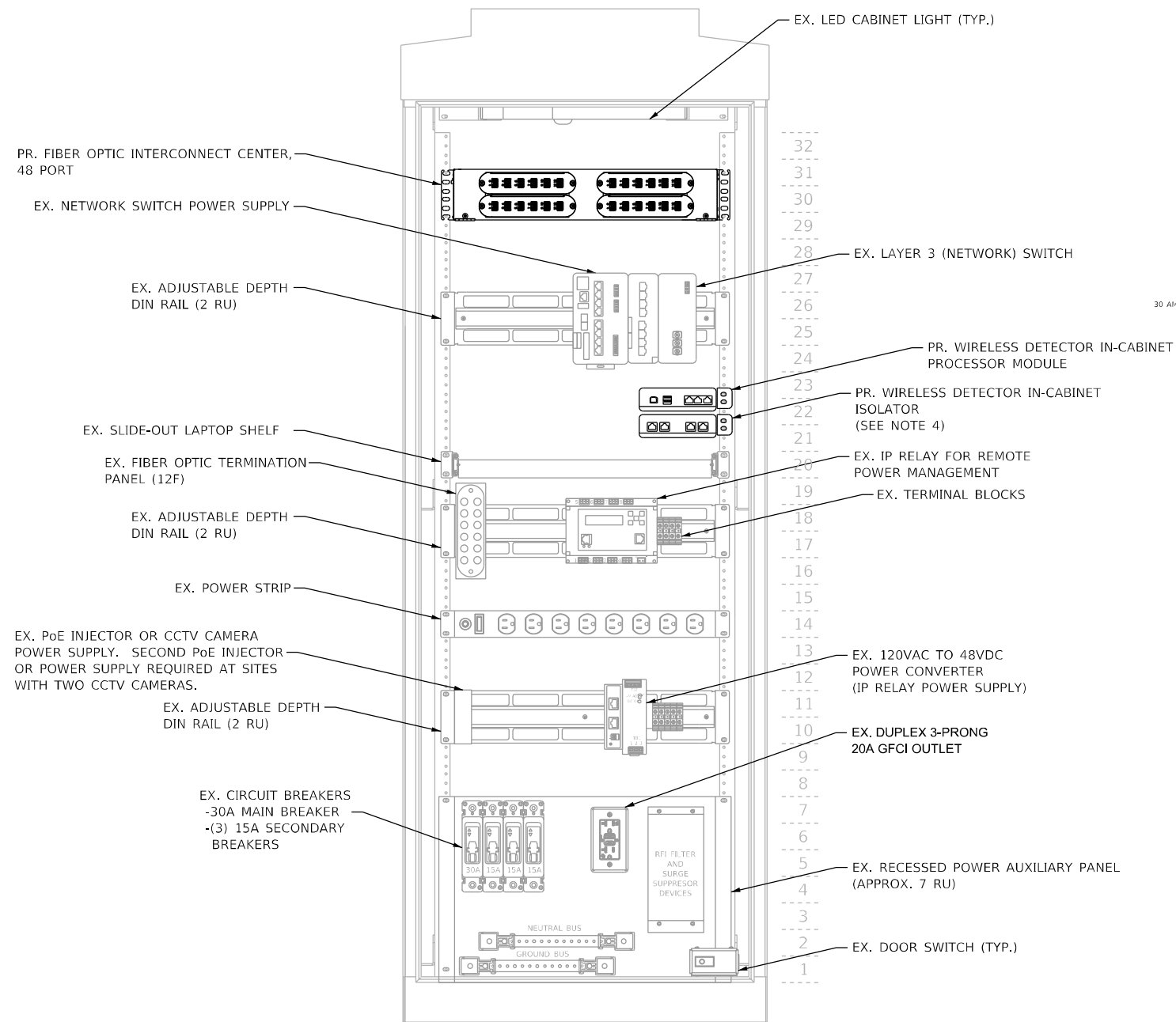
LIGHT POLE FOUNDATION, METAL

SCALE: NTS SHEET 4 OF 18 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	154
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				



1. ADJUST THE ELEVATIONS AND DEPTH OF CONCRETE FOOTPADS AND FOUNDATION TO MEET THE SITE CONDITIONS. FOUNDATIONS DEPTH SHALL BE A MINIMUM OF 24" BELOW GRADE.
2. COMPACT THE SOIL BENEATH THE CONCRETE FOOTPAD WITH A PLATE COMPACTOR OR OTHER COMPACTION METHOD APPROVED BY THE ENGINEER.
3. INSTALL THE NUMBER, SIZE, AND TYPE OF CONDUIT(S) FOR COMMUNICATIONS AND POWER AS SHOWN IN THE PLANS. DETERMINE THE APPROACH/ENTRY ANGLE TO FOUNDATION BASED ON SITE CONDITIONS. THE NUMBER AND LOCATION OF CONDUIT SWEEPS SHOWN IN THIS DRAWING ARE DIAGRAMMATIC.
4. INSTALL A 3/4" X 10 FT. COPPER CLAD GROUNDING ROD IN THE CABINET FOUNDATION. INSTALL AN INSULATED #2 GROUND WIRE FROM THE CABINET GROUND BUS TO THE GROUND ROD AND EXOTHERMICALLY BOND THE GROUND WIRE AND BAR.
5. DISCONNECT SWITCH SHALL BE MOUNTED TO THE SIDE OF THE CABINET AND CABLES SHALL ENTER THE CABINET VIA THREADED NIPPLE SEALED AGAINST WATER ENTRY. CABLES SHALL BE ROUTED INTERNALLY TO THE POWER PANEL AND KEPT ISOLATED USING PLASTIC RACEWAY. ALL PENETRATIONS INTO THE CABINET FOR MOUNTING THE DISCONNECT SHALL BE SEALED TO THE SATISFACTION OF THE ENGINEER.
6. ANCHOR BOLT PLACEMENT SHALL BE COORDINATED WITH CABINET MANUFACTURER.
7. SIDE MOUNTED ACCESS POINT AIMED TOWARD IN PAVEMENT WIRELESS DETECTORS. CABINET PENETRATION MUST BE WEATHER TIGHT.



CABINET POWER DISTRIBUTION SINGLE LINE DIAGRAM

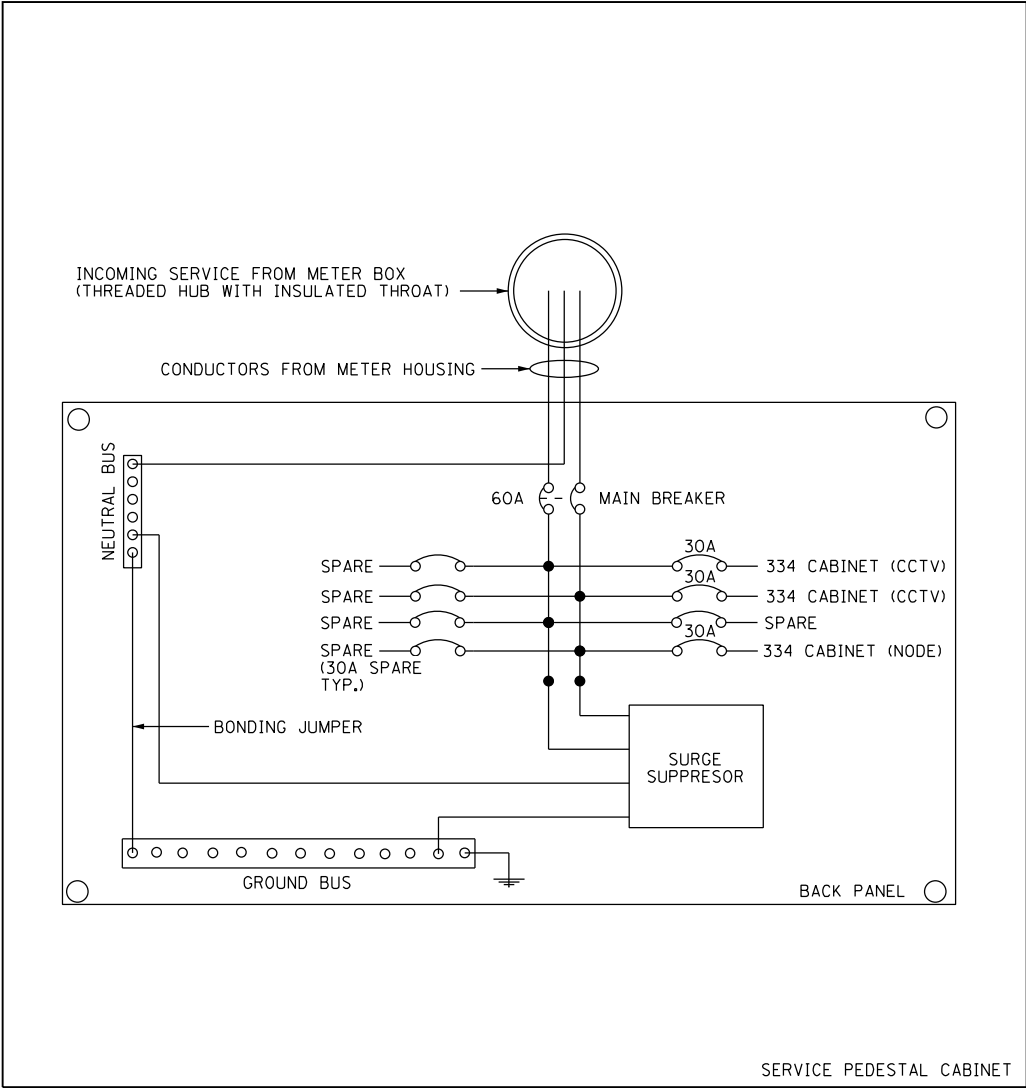
NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CABINET LAYOUT. AUXILIARY PANEL SIZING SHALL BE COORDINATED WITH CABINET MANUFACTURER.
2. CABINET FAN AND THERMOSTAT NOT SHOWN FOR CLARITY. CABINET MANUFACTURER SHALL DETERMINE FINAL LOCATIONS.
3. POWER DISTRIBUTION SINGLE LINE DIAGRAM SHOWS POWER CONFIGURATION FOR CCTV CAMERAS WITH SEPARATE POWER SUPPLY.
4. ISOLATOR TO BE USED IN RADIO CONFIGURATION.

NOTES:

1. CABINET SHALL BE EQUIPED WITH A MAIN BREAKER OF THE SIZE INDICATED FOR DEVICE LOCATIONS FED FROM THE CABINET PER THE PLANS. SEPERATE CIRCUIT BRAKERS SHALL BE INSTALLED FOR EACH DEVICE LOCATION FED FROM THE SERVICE PEDESTAL. THE NUMBER, SIZE, AND TYPE OF CICRCUIT BREAKERS VARIES BETWEEN SEVICE LOCATIONS.
2. THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LABELED, SUITABLE FOR USE AS SERVICE EQUIPMENT. CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 65,000 SYMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
3. THE SURGE PROTECTOR SHALL BE SUITABLE FOR 240/120 VOLT SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE ENERGY CAPABILITY OF >3600 JOULES OR BETTER AT 8/20 MICROSECONDS, RATED -40 TO 65 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CMOV 230LO65XST OR APPROVED EQUAL.

4. BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS.
5. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE.
6. A PLASTIC LAMINATED CABINET LAYOUT DIAGRAM, CIRCUIT SCHEMATIC, AND BILL OF MATERIALS WITH CATALOG NUMBERS USED SHALL BE AFFIXED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
7. A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.



SERVICE PEDESTAL CABINET WIRING AND EQUIPMENT LAYOUT



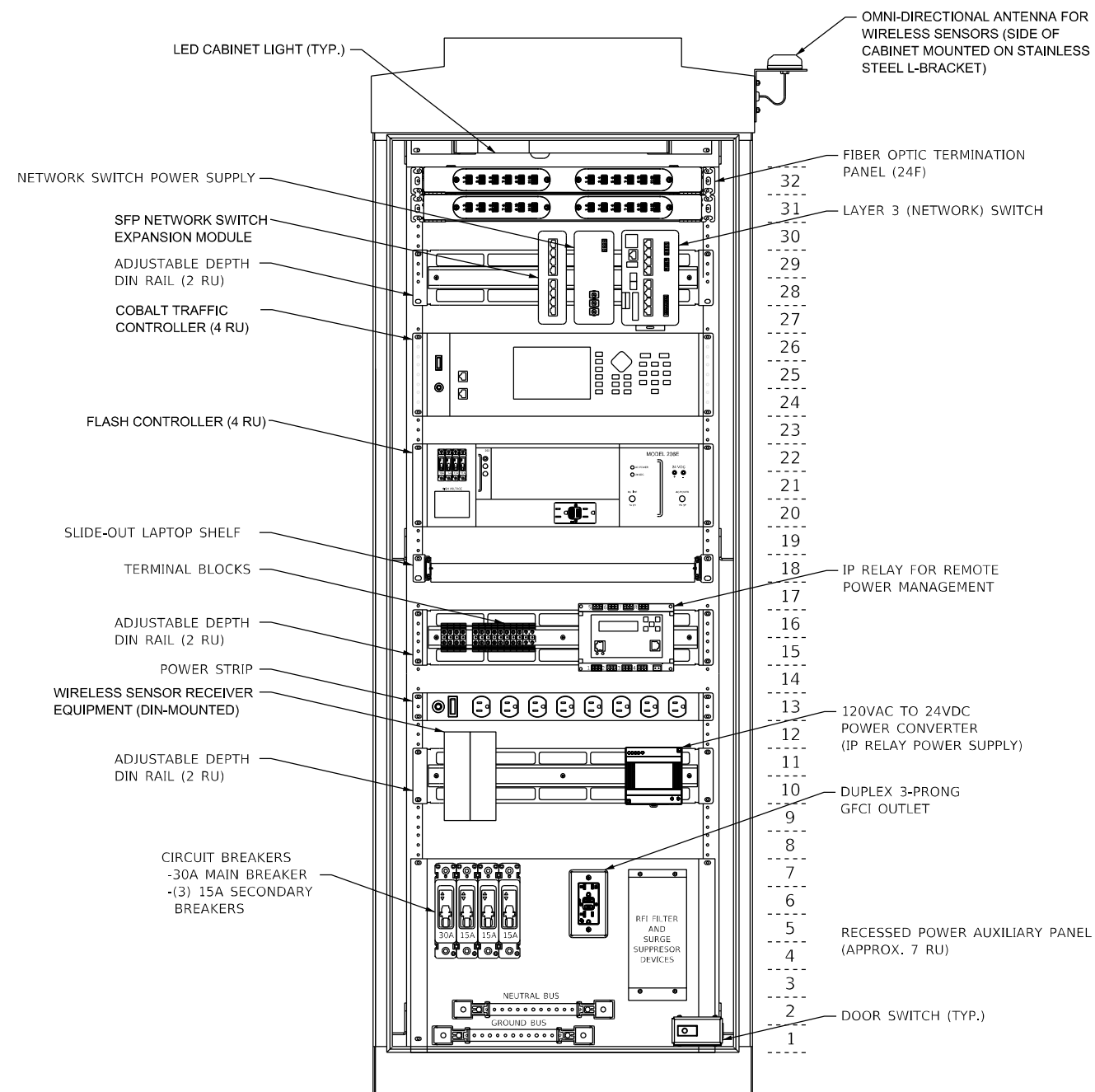
USER NAME = korabmp	DESIGNED - MMK	REVISED -
	DRAWN - CR	REVISED -
PLOT SCALE =	CHECKED - JZ	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

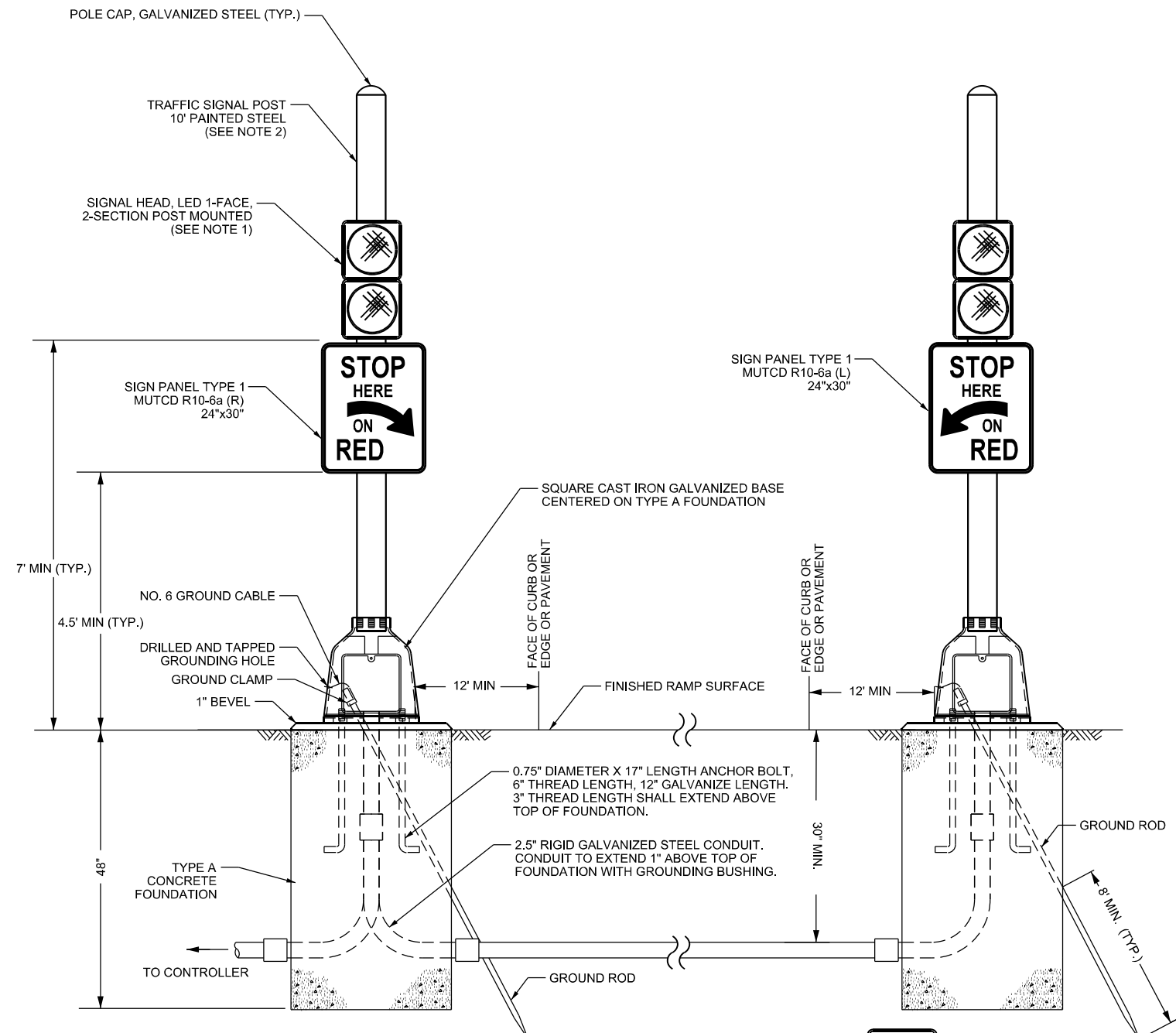
ELECTRIC SERVICE INSTALLATION DETAIL			
SCALE: NTS	SHEET 12 OF 18 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	162
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

TYPICAL RAMP METERING PEDESTAL POLE LAYOUT

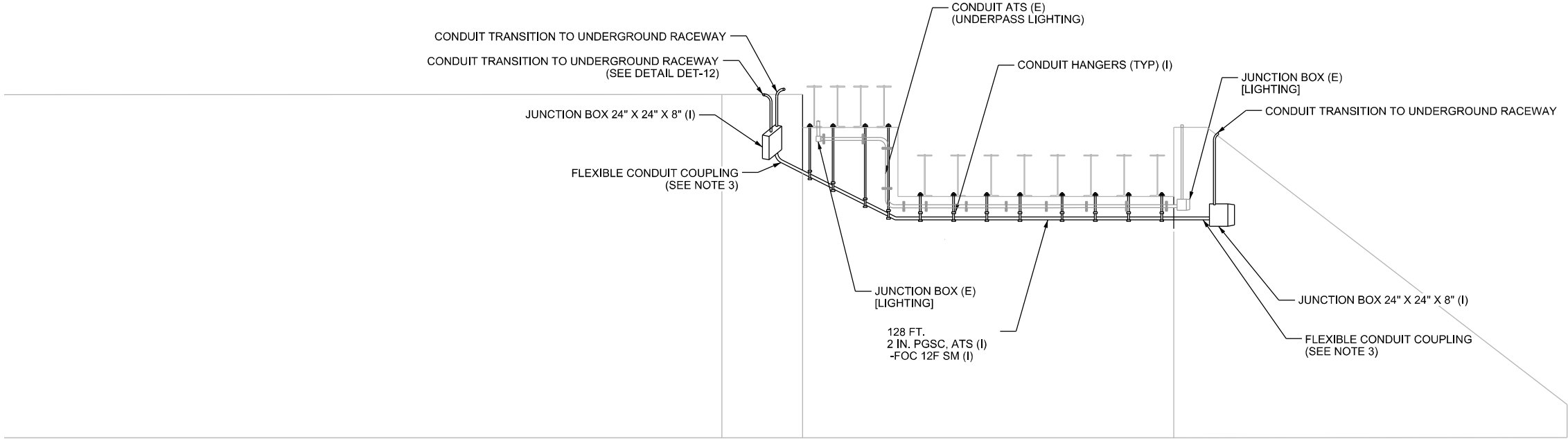
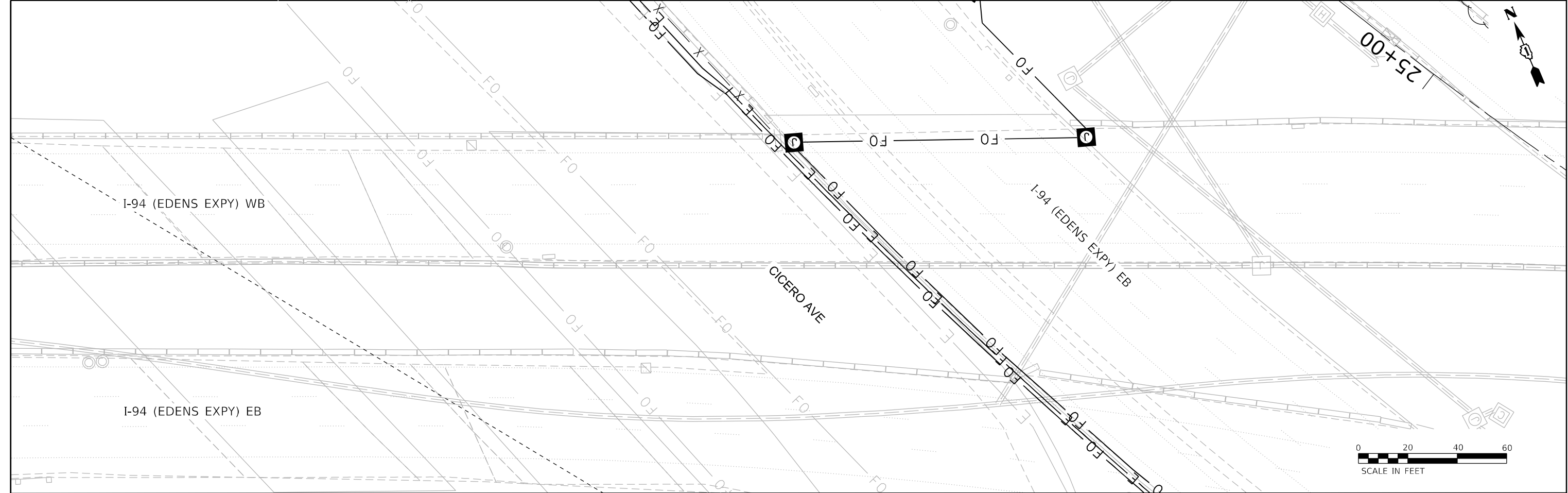


PROPOSED RAMP METER CABINET LAYOUT



- NOTES:
1. THE LEFT SIDE SIGNAL HEAD SHALL BE MOUNTED TO FACE DRIVER, THE RIGHT SIDE SIGNAL HEAD SHALL BE MOUNTED TO FACE APPROACHING TRAFFIC.
 2. TRAFFIC SIGNAL POST SHALL BE PAINTED YELLOW PER SECTION 851 OF THE STANDARD SPECIFICATIONS.

SIGNAL HEAD



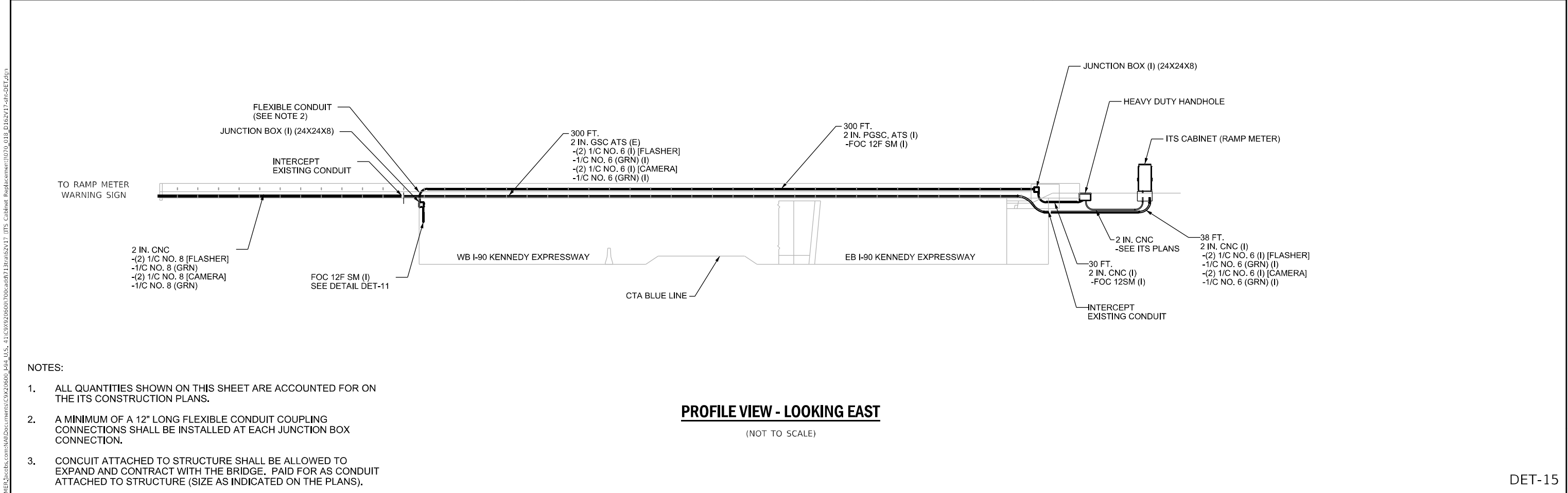
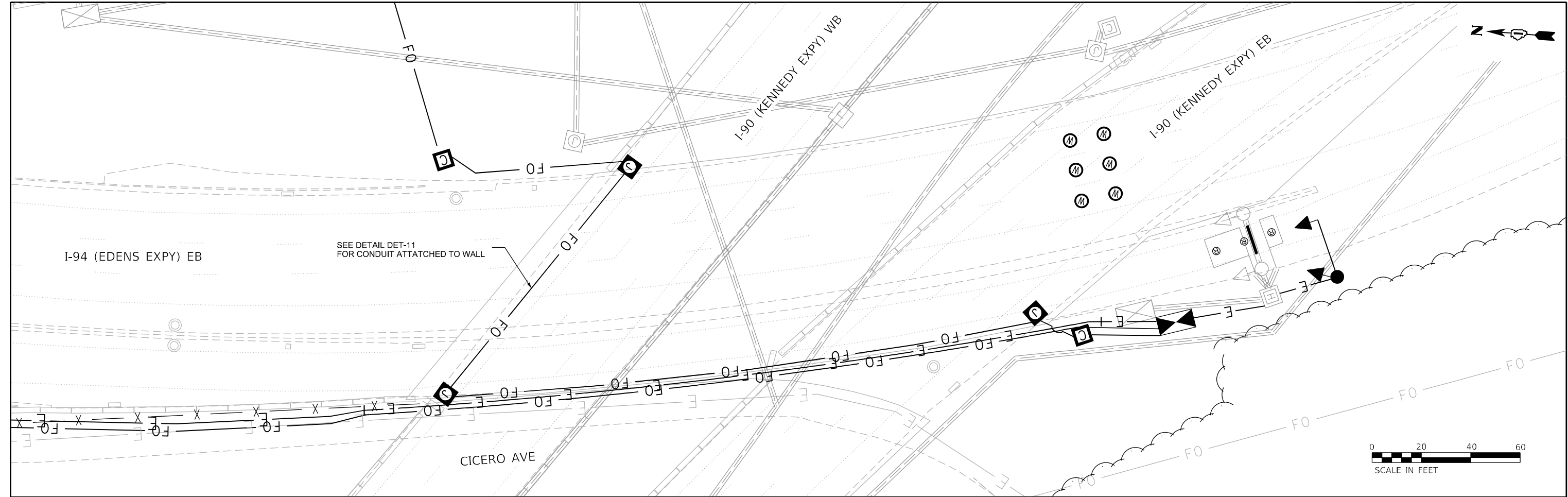
- NOTES:
- ALL QUANTITIES SHOWN ON THIS SHEET ARE ACCOUNTED FOR ON THE ITS CONSTRUCTION PLANS.
 - FLEXIBLE CONDUIT COUPLING CONENCTION TO JUNCITON BOX.
 - A MINIMUM OF A 12" LONG FLEXIBLE CONDUIT COUPLING CONNECTIONS SHALL BE INSTALLED AT EACH JUNCTION BOX CONNECTION.
 - CONCUIT ATTACHED TO STRUCTURE SHALL BE ALLOWED TO EXPAND AND CONTRACT WITH THE BRIDGE. PAID FOR AS CONDUIT ATTACHED TO STRUCTURE (SIZE AS INDICATED ON THE PLANS).

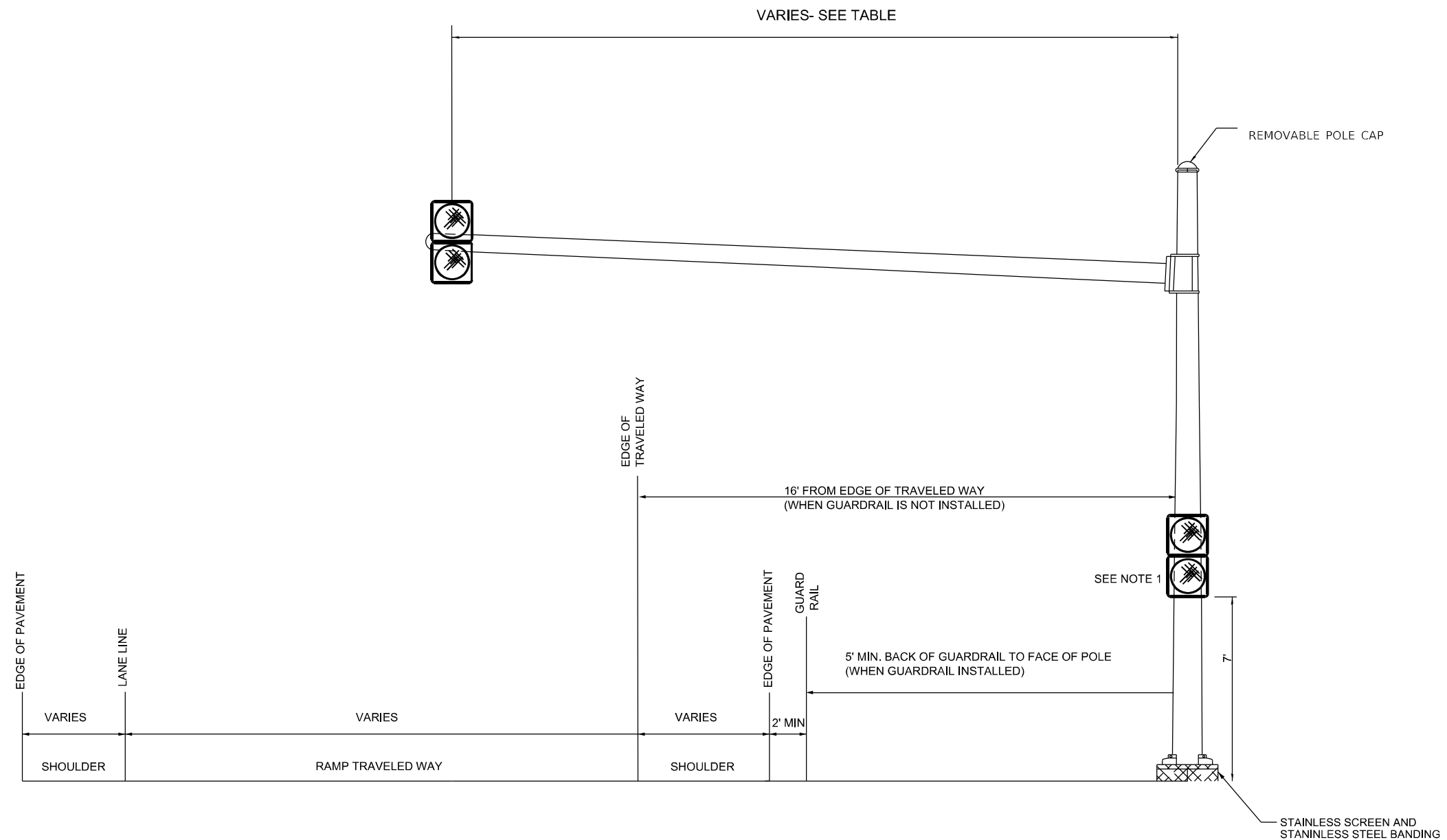
PROFILE VIEW - LOOKING NORTH

(NOT TO SCALE)

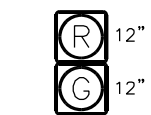
DET-14

	USER NAME = korabmp		DESIGNED - MPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONDUIT ATTACHED TO STRUCTURE DETAIL I-90 UNDER I-94 – NORTH WALL			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MPK		CHECKED - CRH	REVISED -					94	FAP 0346 23 SIGN	COOK/LAKE	208	164
	PLOT SCALE =		DATE - 2/9/2024	REVISED -		SCALE: NTS			CONTRACT NO. 62V17				
	PLOT DATE = 6/28/2024					SHEET 14 OF 18 SHEETS			ILLINOIS FED. AID PROJECT				





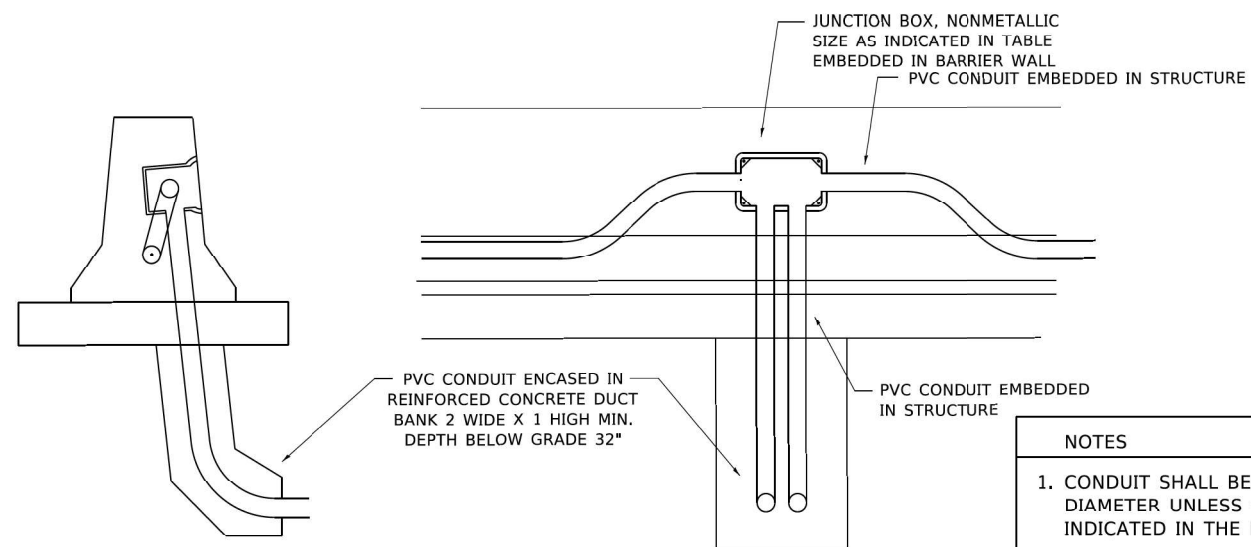
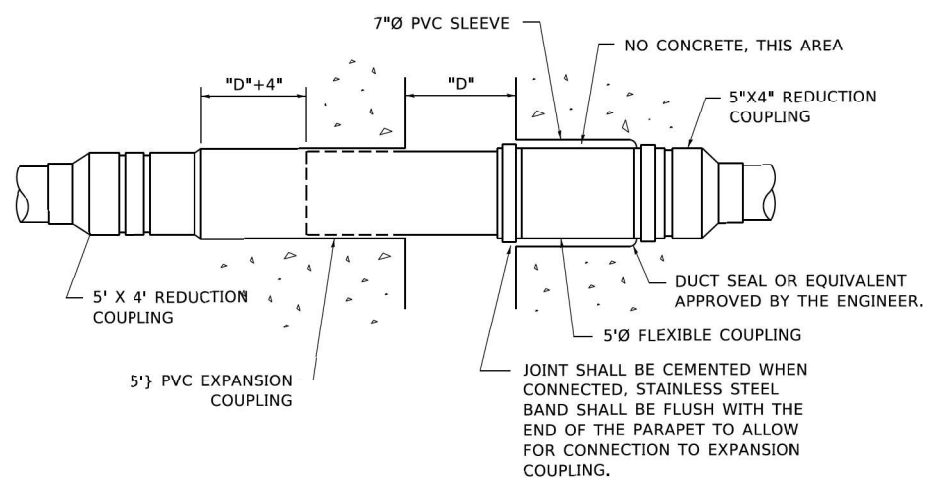
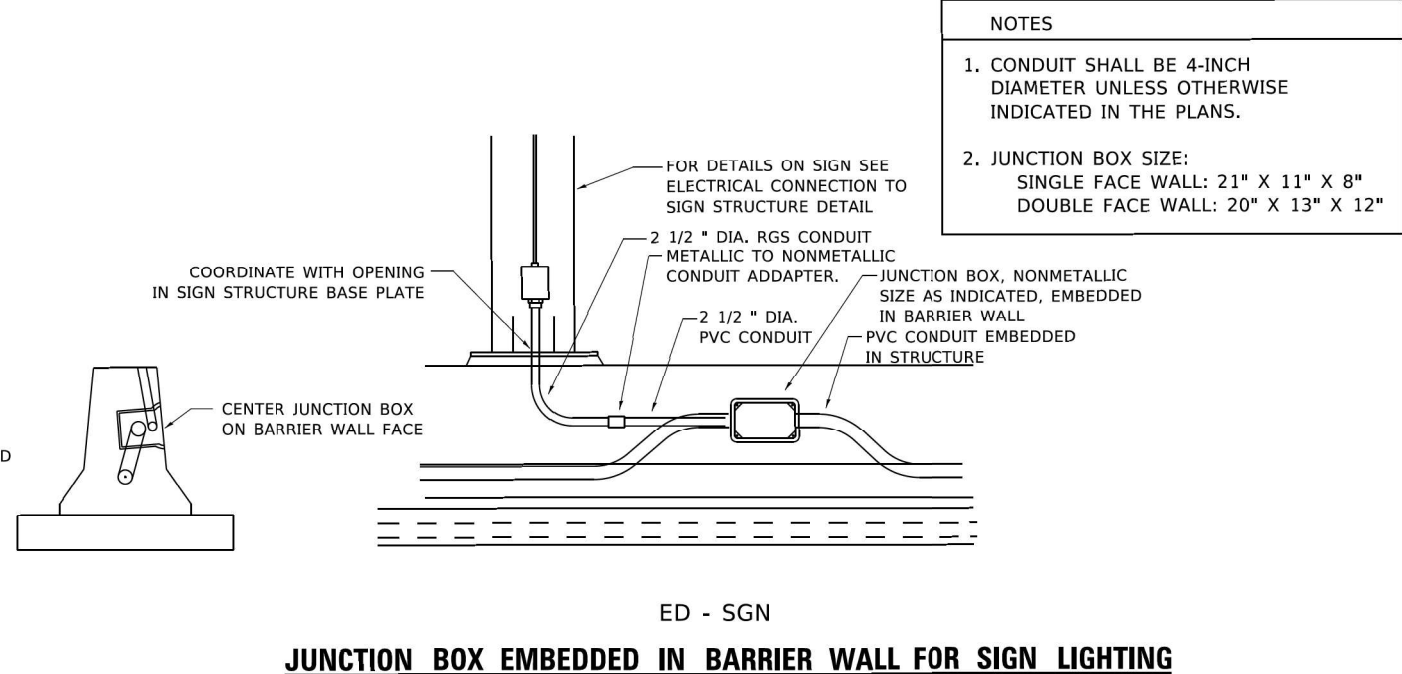
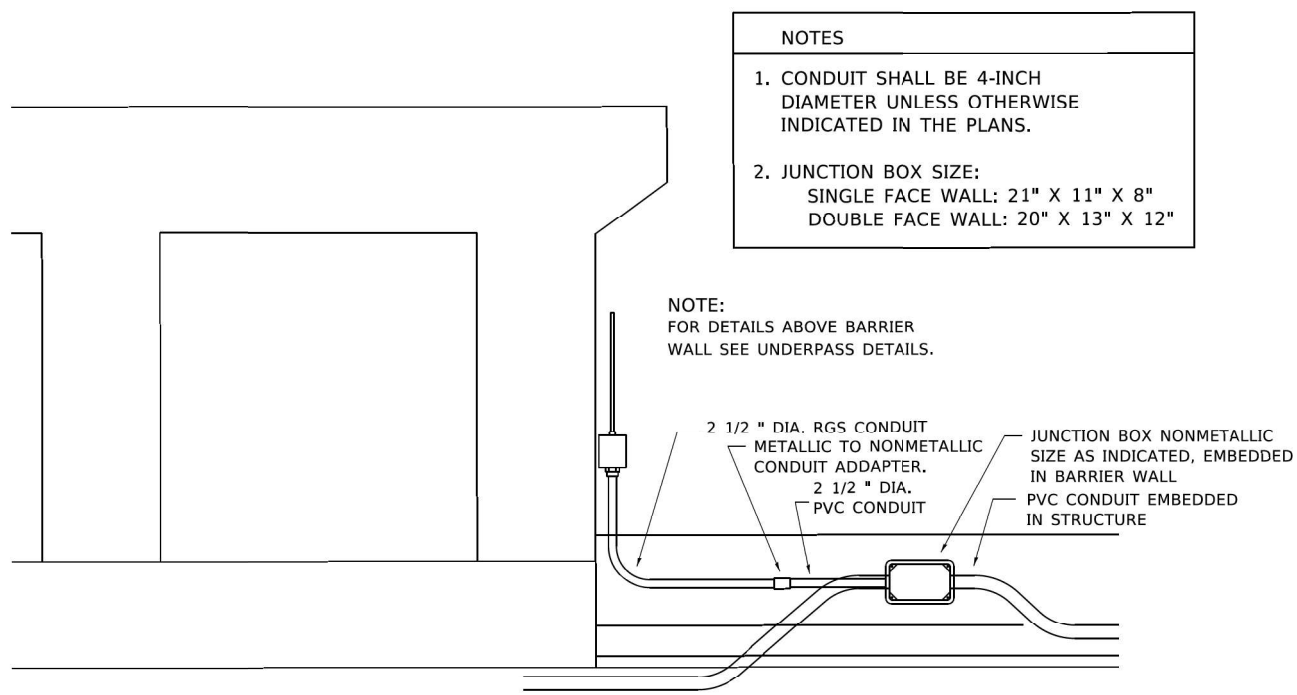
NOTES:
1. POLE MOUNTED SIGNAL HEAD TO BE
AIMED TOWARDS DRIVER AT STOP BAR



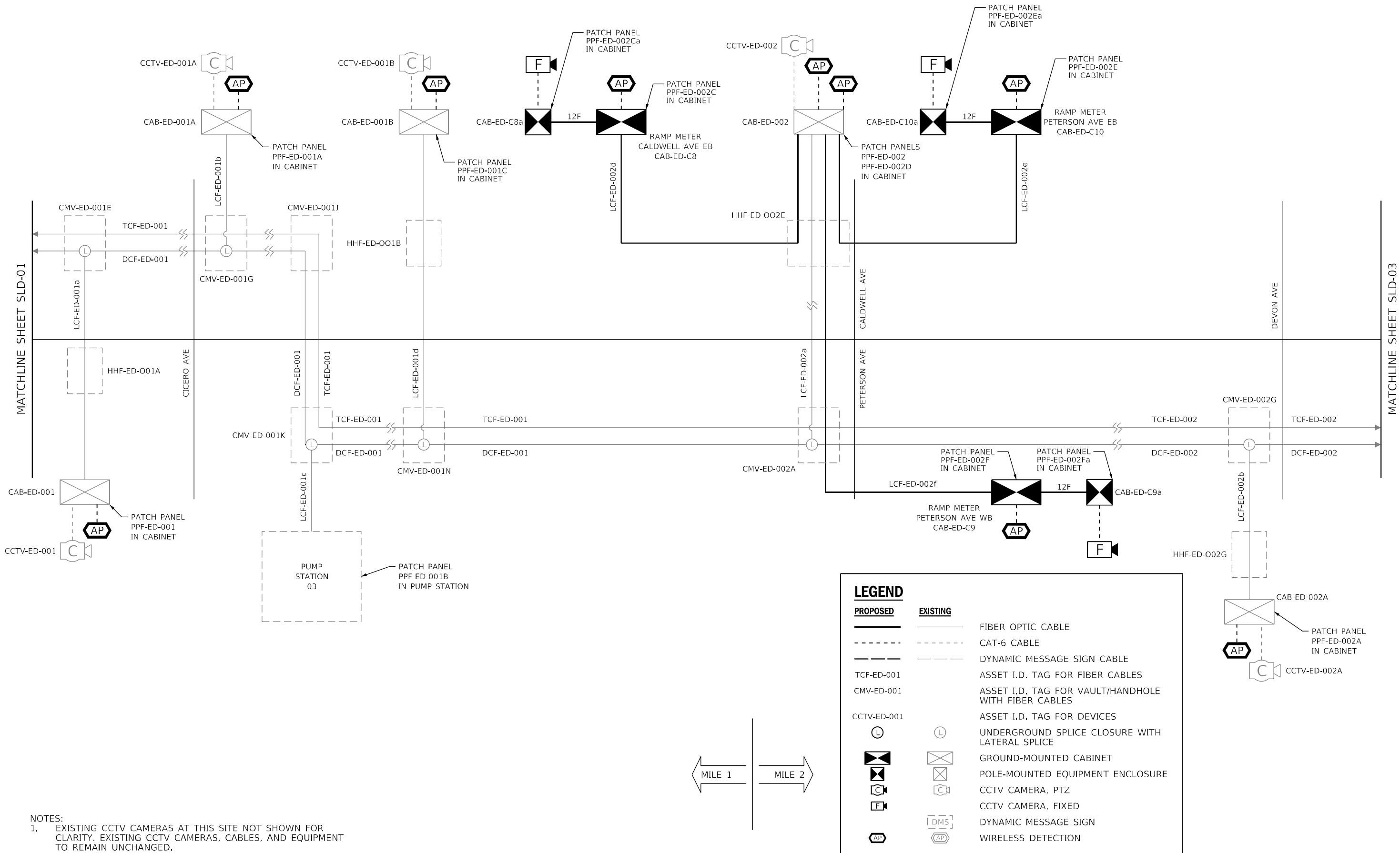
SIGNAL HEAD

MAST ARM DETAIL

MAST ARM LENGTH	
WILSON AVE EB	26'
WILSON AVE WB	22'
EB TOUHY AVE EB	22'
W DEMPSTER EB	26'
E DEMPSTER WB	26'



p:\p\proj\66166\AHER_Jacobs.com\NAIDocuments\COX20600_494_U.S._41\COX20600\708cad\713tra\62V17 (ITS Cabinet Replacement)\080_002_D162V17-sht-SLD.dgn



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CABLE
SINGLE LINE DIAGRAM

SCALE: NTS SHEET 2 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	170
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

SLD-02





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LEGEND

PROPOSED

EXISTING

—

TCF-ED-001

CMV-ED-001

CCTV-ED-001

—

TCF-ED-001

CMV-ED-001

CCTV-ED-001

FIBER OPTIC CABLE

CAT-6 CABLE

DYNAMIC MESSAGE SIGN CABLE

ASSET I.D. TAG FOR FIBER CABLES

ASSET I.D. TAG FOR VAULT/HANDHOLE WITH FIBER CABLES

ASSET I.D. TAG FOR DEVICES

UNDERGROUND SPLICE CLOSURE WITH LATERAL SPLICE

GROUND-MOUNTED CABINET

POLE-MOUNTED EQUIPMENT ENCLOSURE

CCTV CAMERA, PTZ

CCTV CAMERA, FIXED

DYNAMIC MESSAGE SIGN

WIRELESS DETECTION

MATCHLINE SHEET SLD-04

CHURCH ST

I-94 (EDENS EXPY)

GOLF RD

OLD ORCHARD RD

GLENVIEW RD

MATCHLINE SHEET SLD-06

SLD-05

USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CABLE SINGLE LINE DIAGRAM			
SCALE: NTS	SHEET 5 OF 10 SHEETS	STA.	TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	173
CONTRACT NO. 62V17				
ILLINOIS		FED. AID PROJECT		

p:\u1p\o\civ\66a\MER_3\rechs.com\NetDocuments\COX20600_494_U.S._41\COX20600\70b\cad\713\ra62v17_ITS Cabinet Replacement\080_006_D1E2V17-sh1-SLD.dgn

PROPOSED

EXISTING

—

TCF-ED-001

CMV-ED-001

CCTV-ED-001

FIBER OPTIC CABLE

CAT-6 CABLE

DYNAMIC MESSAGE SIGN CABLE

ASSET I.D. TAG FOR FIBER CABLES

ASSET I.D. TAG FOR VAULT/HANDHOLE WITH FIBER CABLES

ASSET I.D. TAG FOR DEVICES

UNDERGROUND SPLICE CLOSURE WITH LATERAL SPLICE

GROUND-MOUNTED CABINET

POLE-MOUNTED EQUIPMENT ENCLOSURE

CCTV CAMERA, PTZ

CCTV CAMERA, FIXED

DYNAMIC MESSAGE SIGN

WIRELESS DETECTION

USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

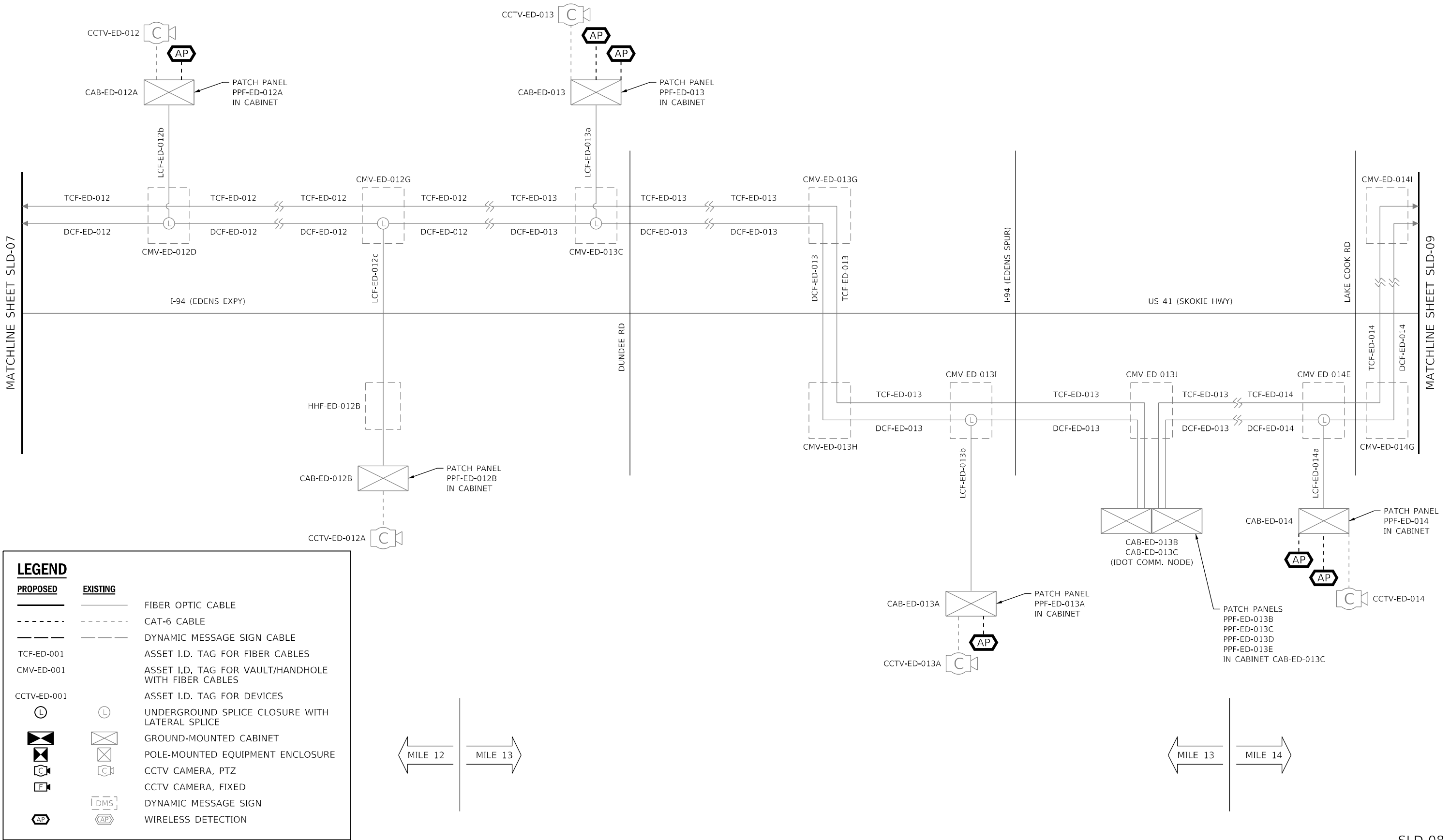
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CABLE SINGLE LINE DIAGRAM			
SCALE: NTS	SHEET 6 OF 10 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	174
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

SLD-06

\\p01\proj\civ\66\ANR_3\acbs.com\NetDocuments\CSX20600_494_U.S._41\CSX20600\708\cad\713ra\62V17 (ITS Cabinet Replacement)\080_008_012\2V17-shr-SLD.dgn



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

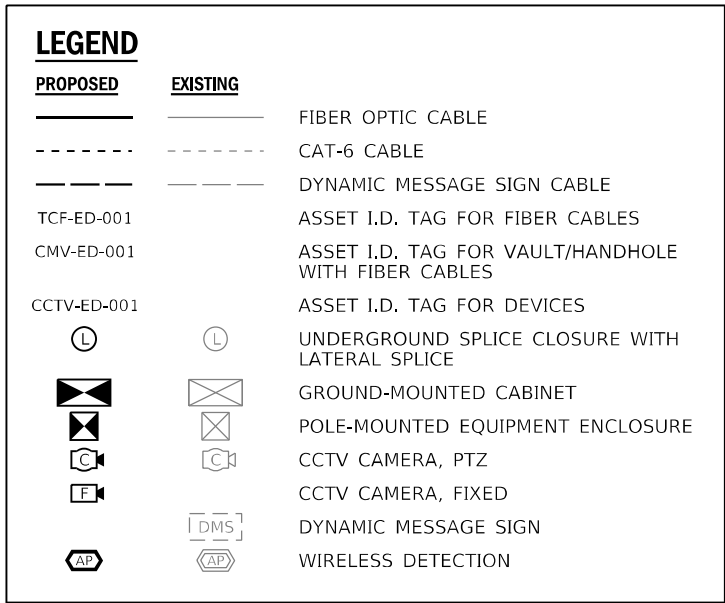
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CABLE
SINGLE LINE DIAGRAM

SCALE: NTS SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	176
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

SLD-08

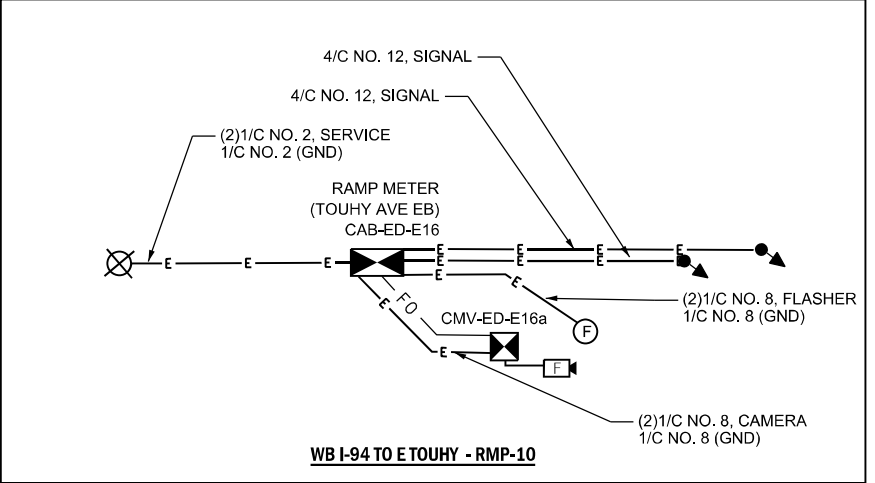
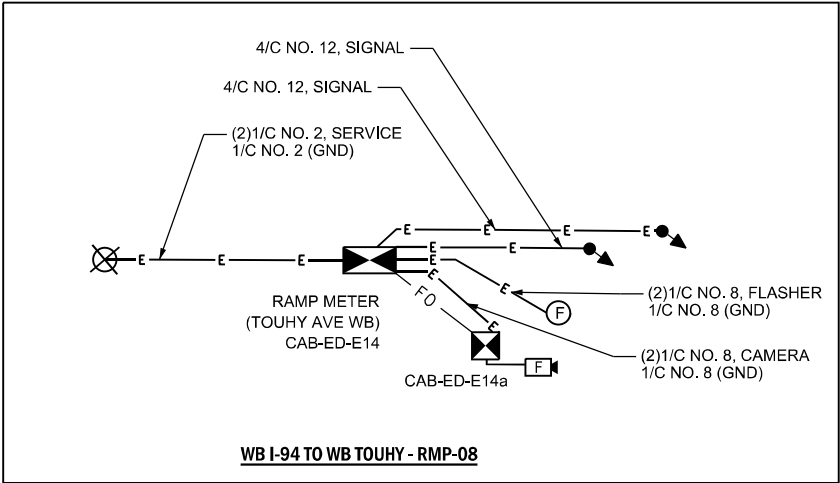
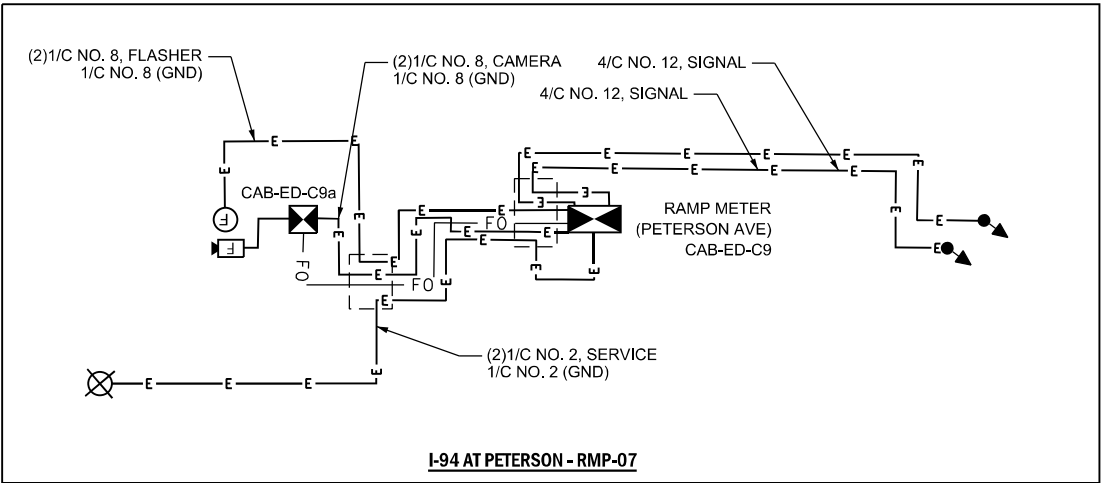
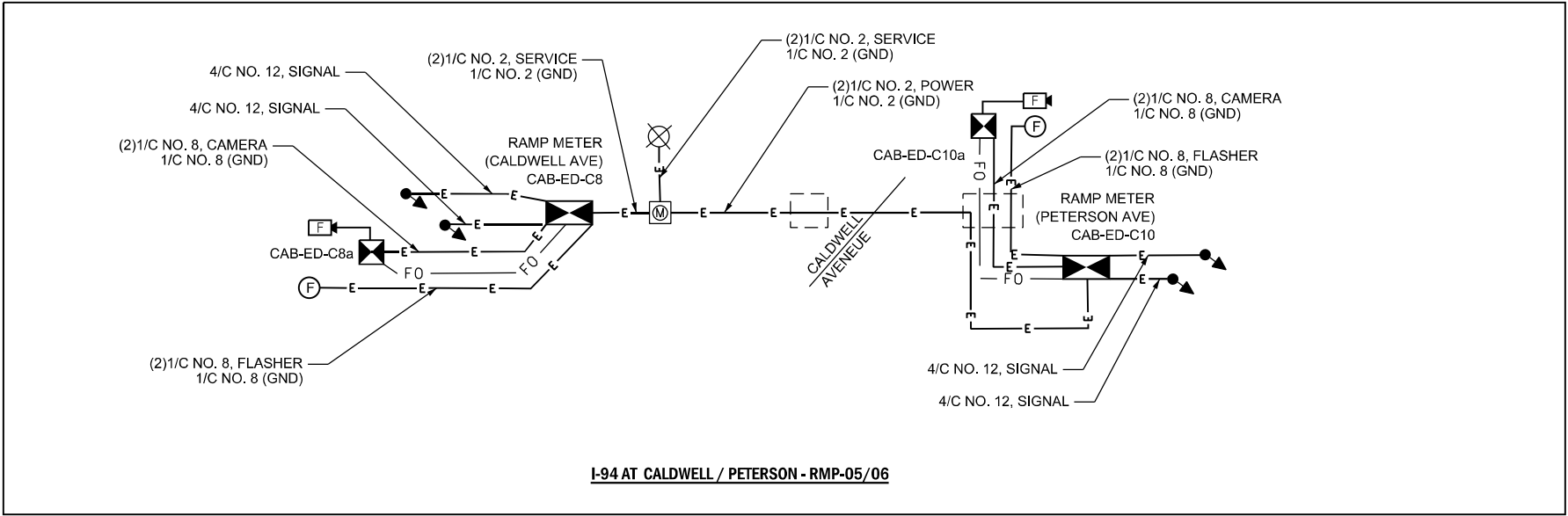
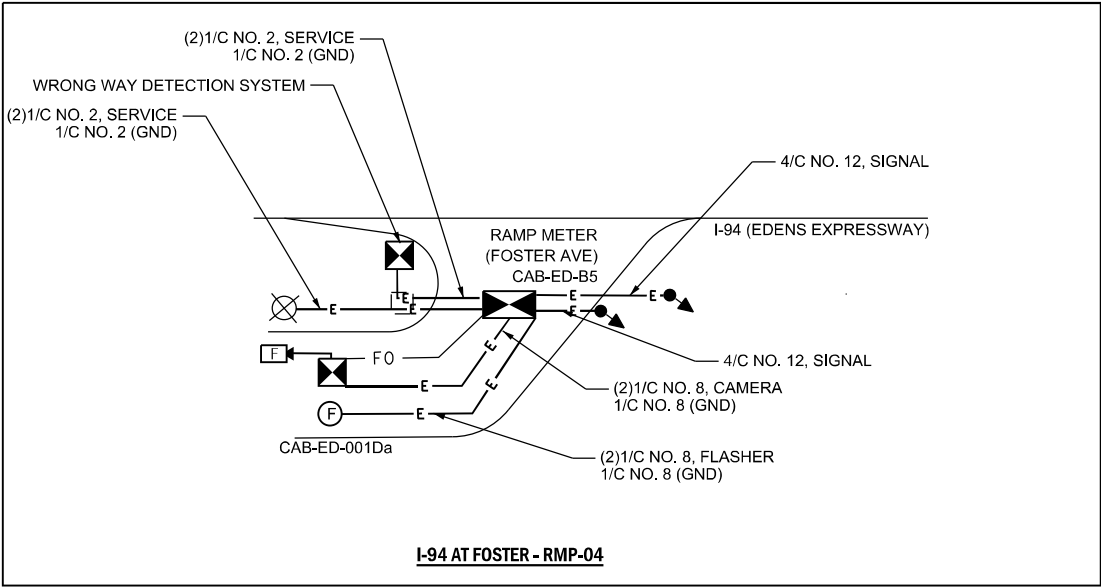
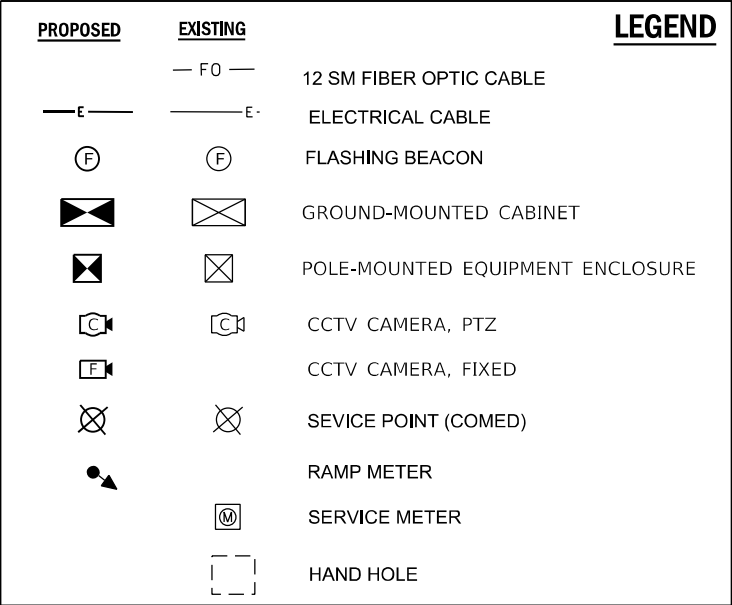
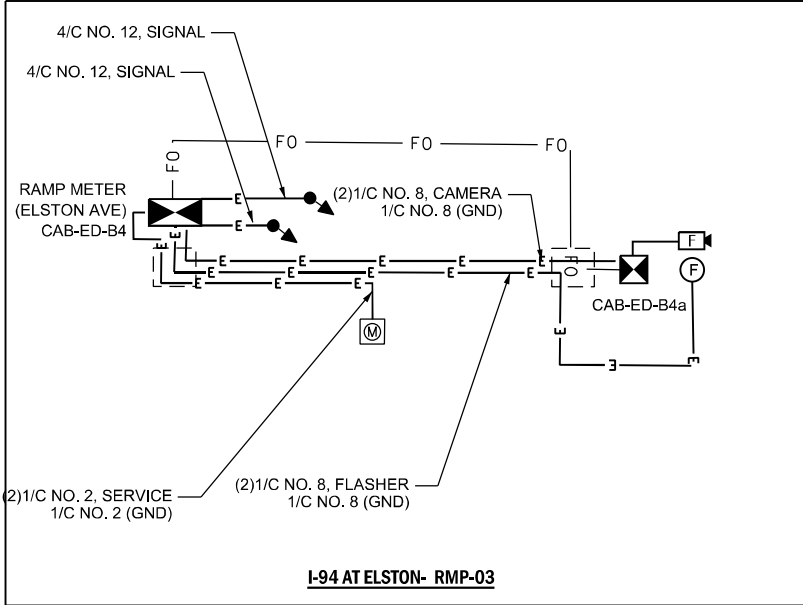
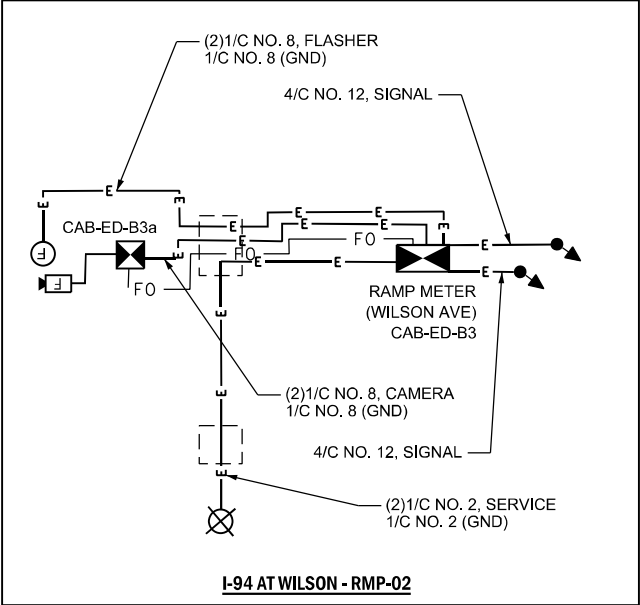
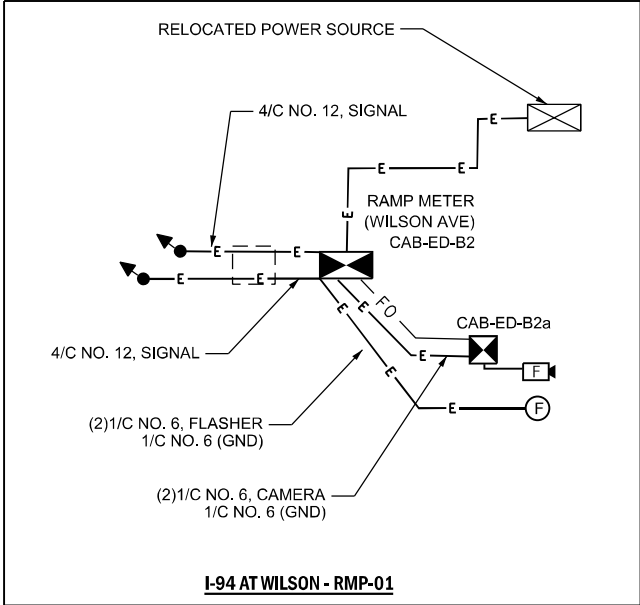


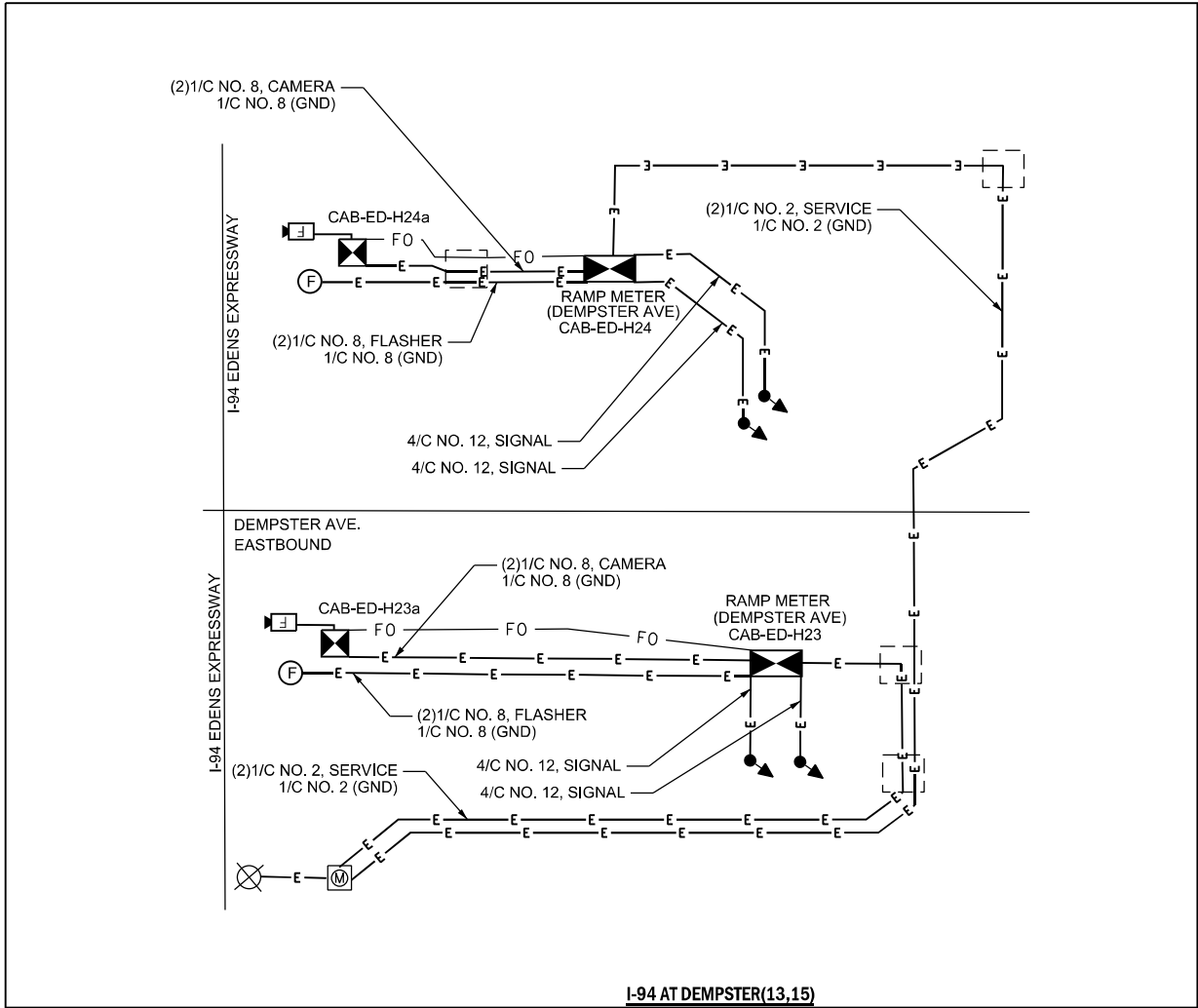
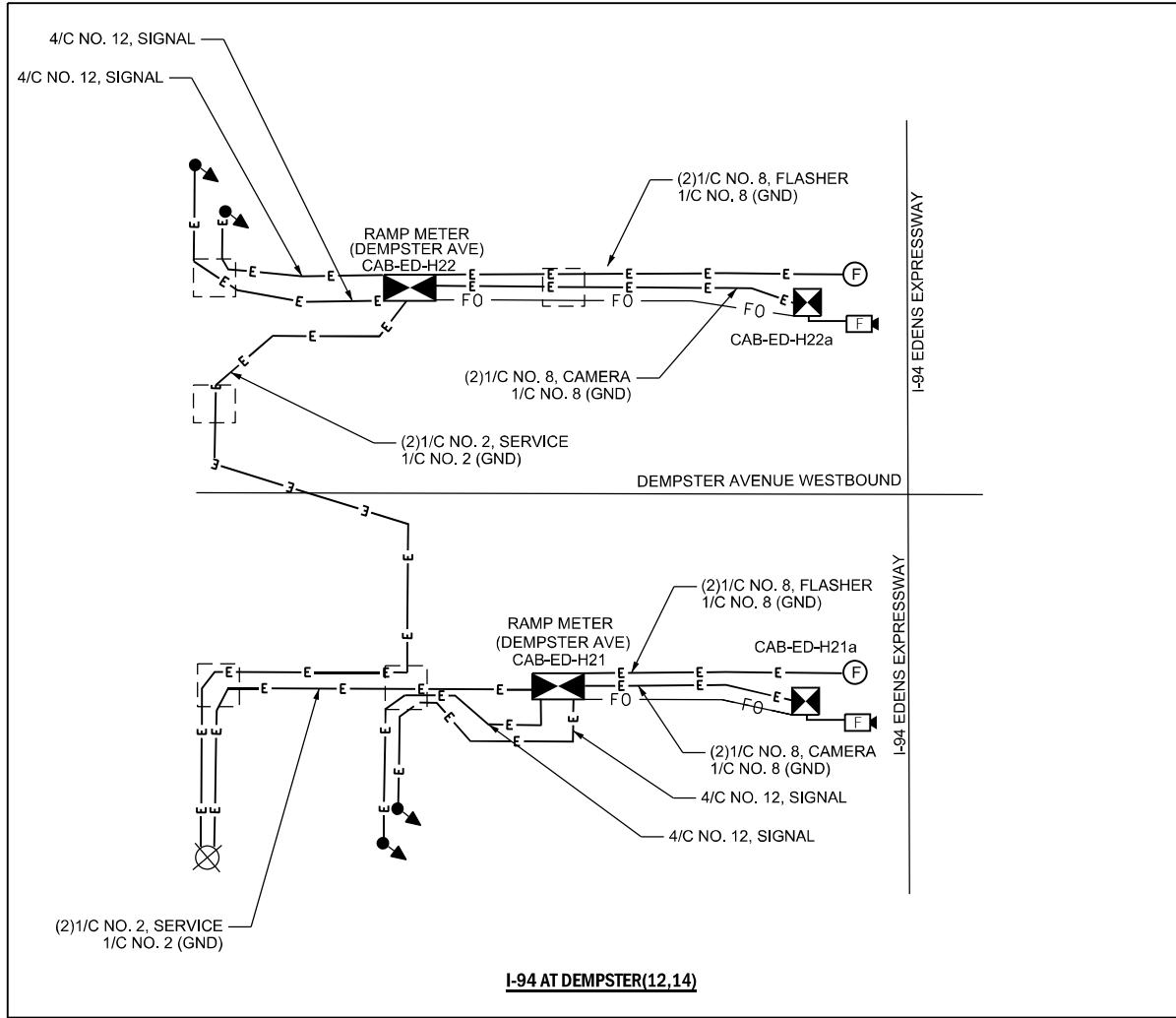
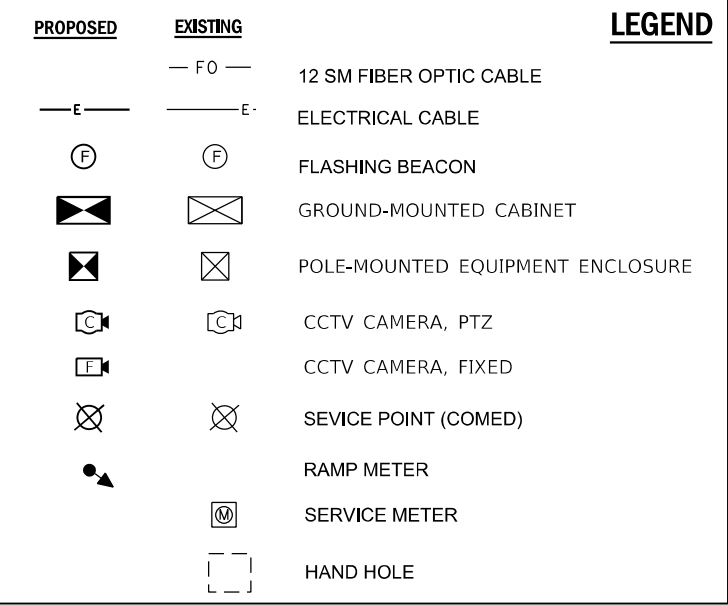
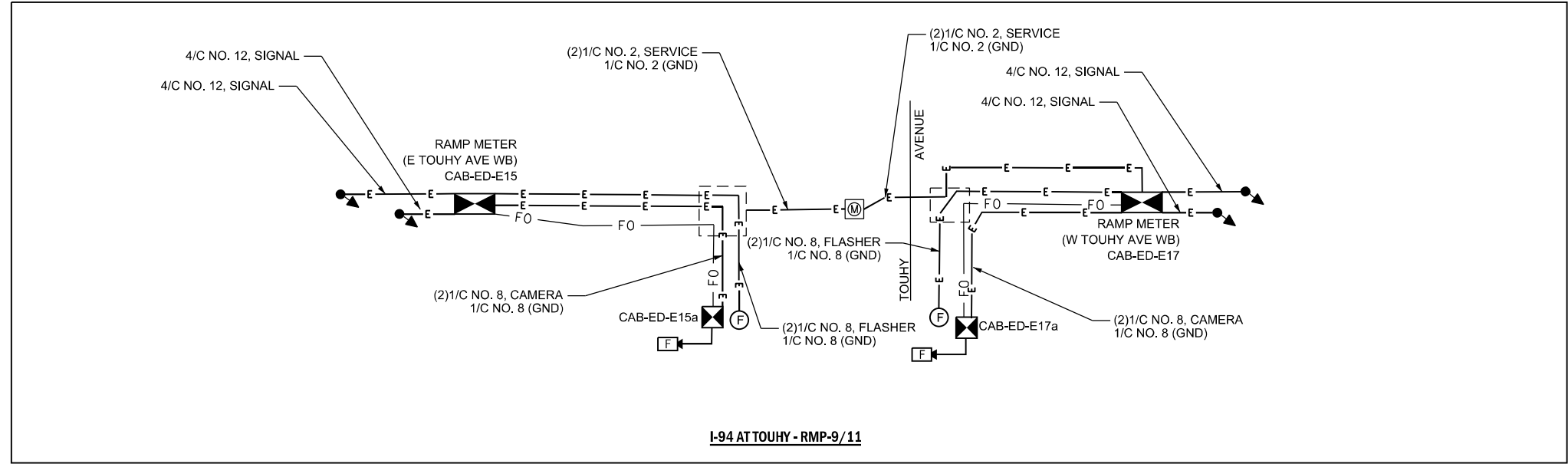
Jacobs

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

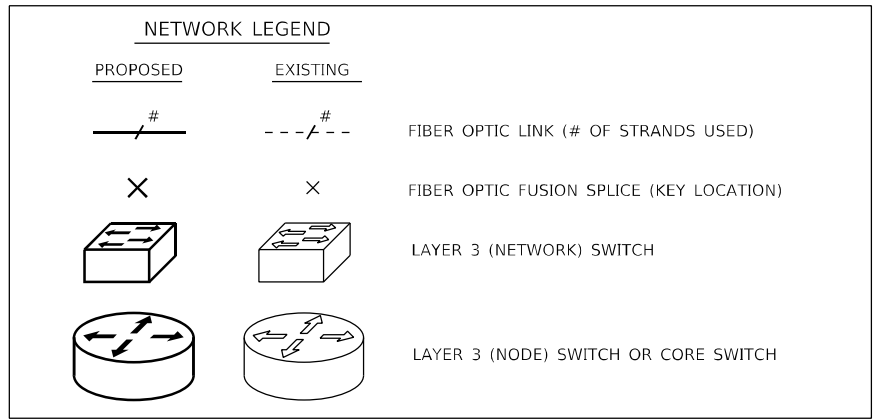
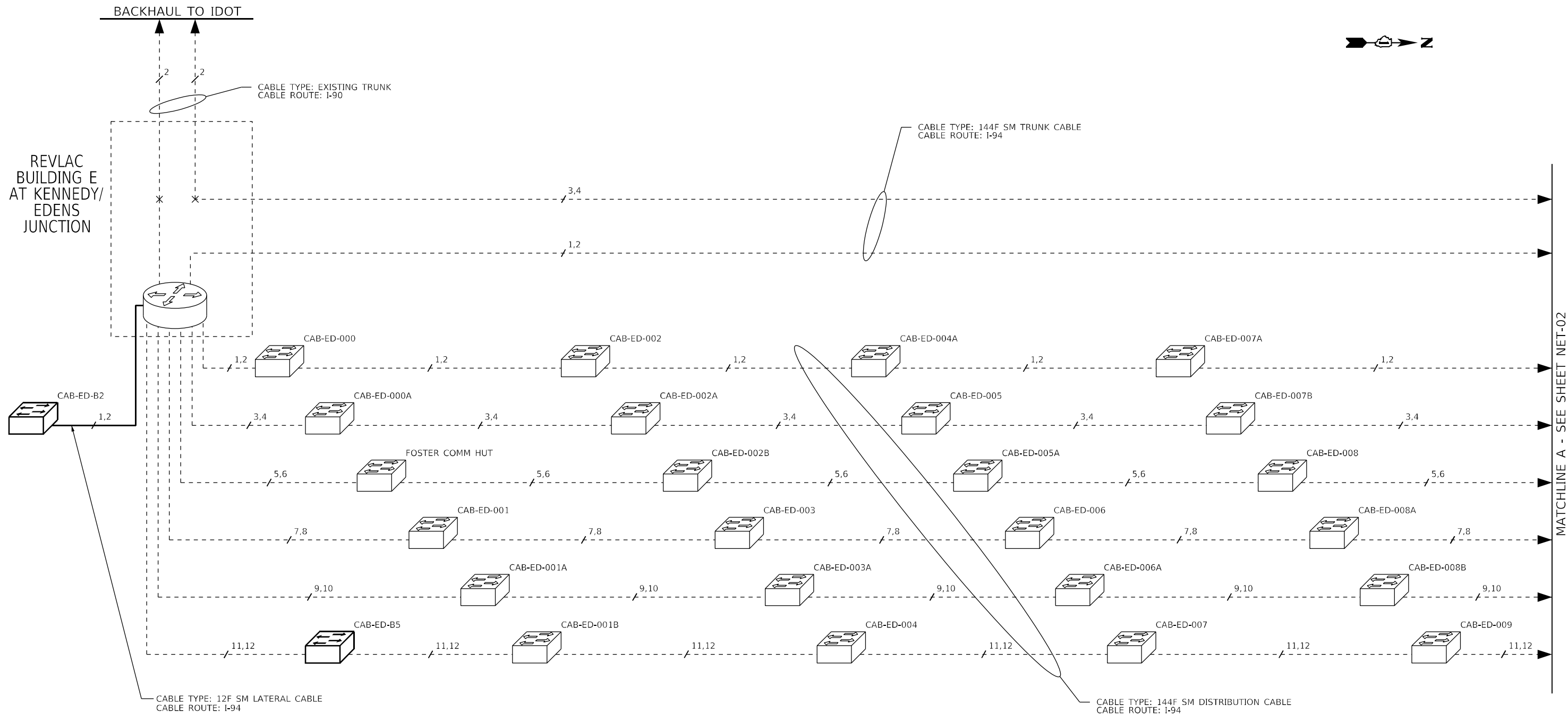
SCALE: NTS	SHEET 9 OF 10 SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	177
		CONTRACT NO. 62V17		
ILLINOIS		FED. AID PROJECT		





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NOTES:

- FIBER OPTIC LATERAL SPLICES ARE NOT SHOWN FOR CLARITY.
- DARK FIBERS ARE NOT SHOWN FOR CLARITY.
- ONLY LAYER III (NETWORK) SWITCHES DIRECTLY CONNECTED TO THE DISTRIBUTION CABLE OR A NODE CABINET SHOWN FOR CLARITY.

Jacobs

USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

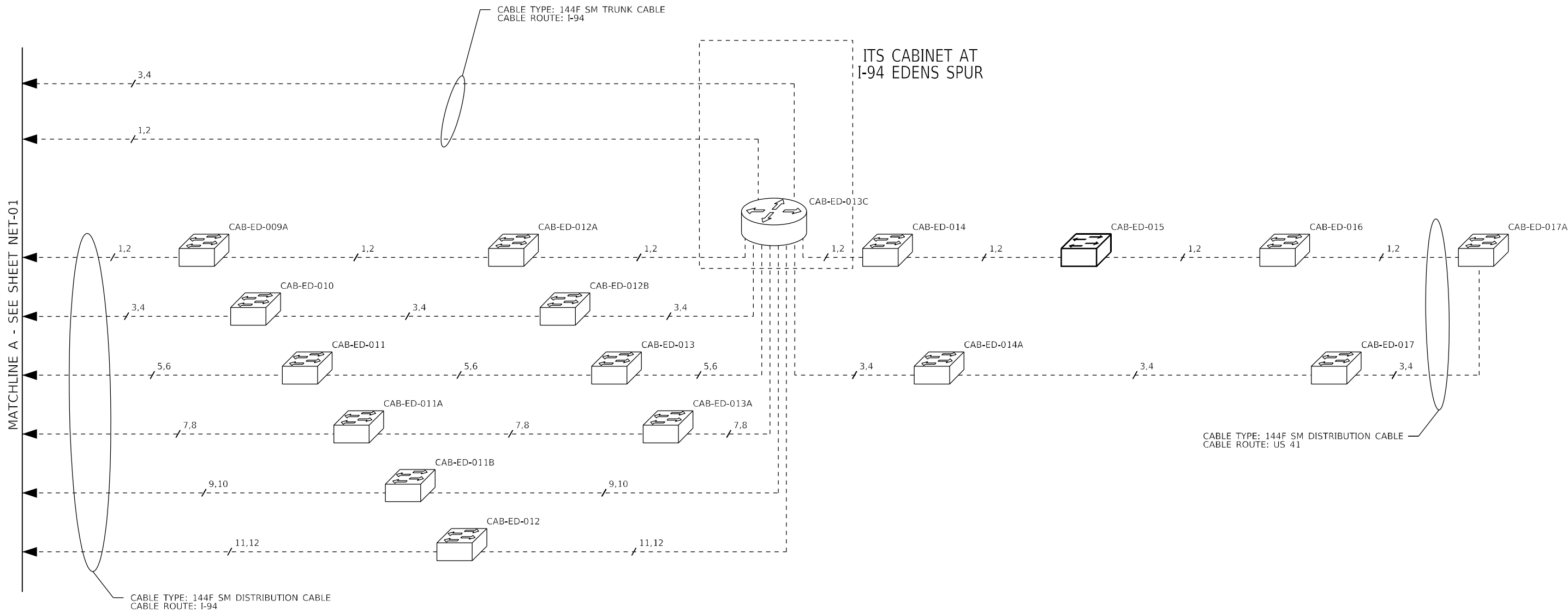
COMMUNICATION NETWORK
OVERVIEW

SCALE: NTS SHEET 1 OF 22 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	181
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

NET-01

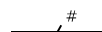
MATCHLINE A - SEE SHEET NET-02



NETWORK LEGEND

PROPOSED

EXISTING



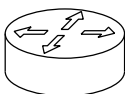
FIBER OPTIC LINK (# OF STRANDS USED)



FIBER OPTIC FUSION SPLICE (KEY LOCATION)



LAYER 3 (NETWORK) SWITCH



LAYER 3 (NODE) SWITCH OR CORE SWITCH

NOTES:

- FIBER OPTIC LATERAL SPLICES ARE NOT SHOWN FOR CLARITY.
- DARK FIBERS ARE NOT SHOWN FOR CLARITY.
- ONLY LAYER III (NETWORK) SWITCHES DIRECTLY CONNECTED TO THE DISTRIBUTION CABLE OR A NODE CABINET SHOWN FOR CLARITY.



USER NAME = korabmp	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/28/2024	DATE - 2/9/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMMUNICATION NETWORK OVERVIEW

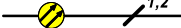
SCALE: NTS SHEET 2 OF 22 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAP 0346 23 SIGN	COOK/LAKE	208	182
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

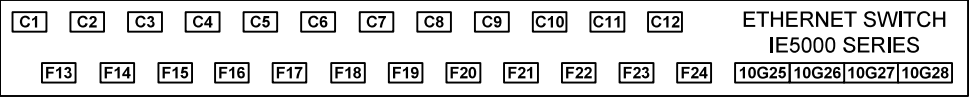
NET-02

NETWORK DIAGRAM LEGEND

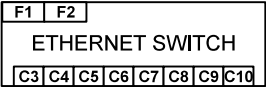
CABLES

	SHIELDED CAT-6 CABLE
	UNSHIELDED CAT-6 CABLE
	COAXIAL CABLE
	FIBER OPTIC CABLE STRANDS (STRAND USAGE DESIGNATION)
	FIBER OPTIC JUMPER (NO. OF JUMPERS)
	FIBER OPTIC PIGTAIL (NO. OF PIGTAILS)
	FIBER OPTIC FUSION SPLICE

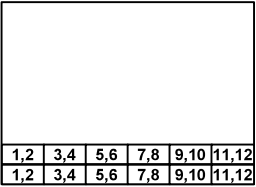
FIELD DEVICES AND CABINET EQUIPMENT



LAYER 3 (NODE) ETHERNET SWITCH



LAYER 3 (NETWORK) ETHERNET SWITCH



FIBER OPTIC PATCH PANEL AND SPLICE TRAYS



IP RELAY FOR REMOTE CAMERA RESTART



PROPOSED HD PTZ CCTV CAMERA



EXISTING PTZ CCTV CAMERA



PROPOSED FIXED CCTV CAMERA



EXISTING FIXED CCTV CAMERA



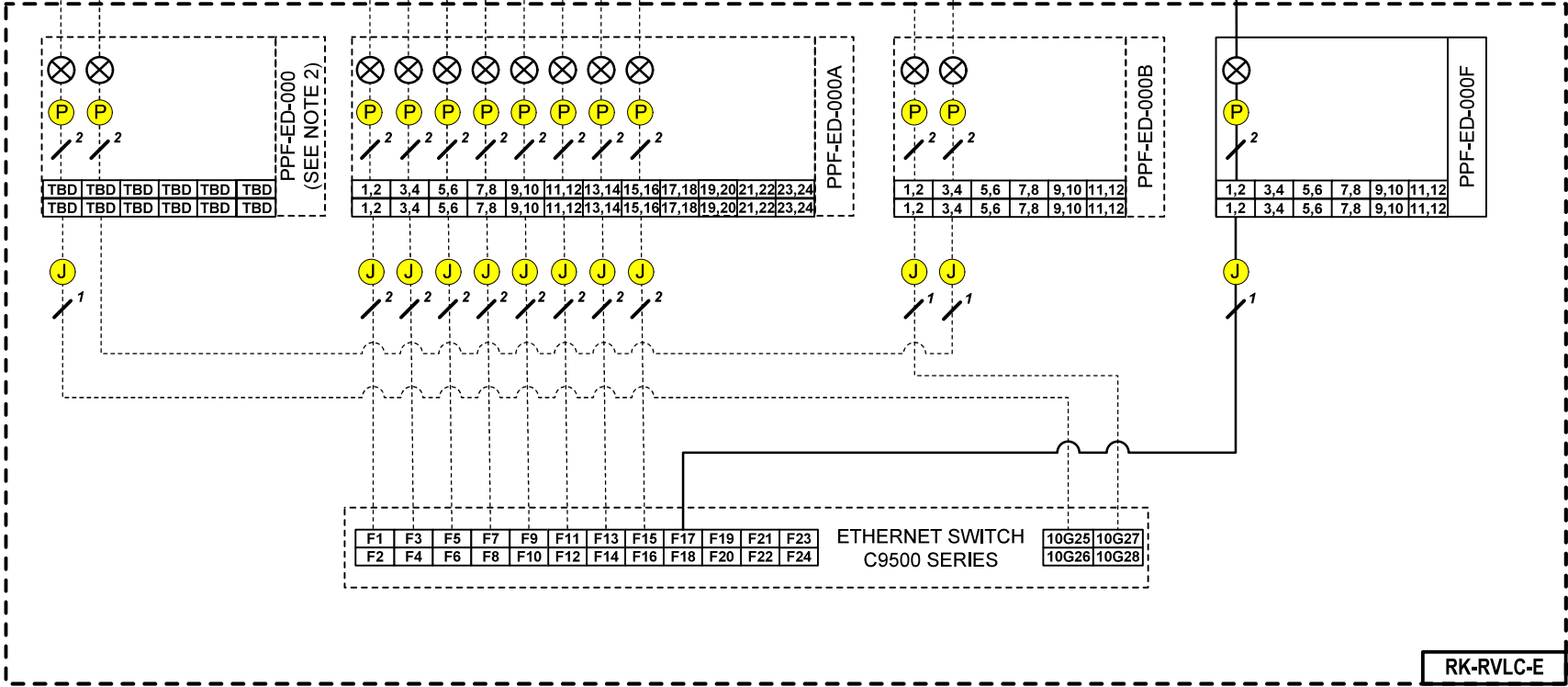
PROPOSED ACCESS POINT

GENERAL NOTES

- NOTES:
- DASHED LINES INDICATE EXISTING EQUIPMENT, CABLES, AND ENCLOSURES.
 - ONLY COMMUNICATIONS VAULTS AT KEY LOCATION SHOWN FOR CLARITY.
 - NOT ALL FIBERS ARE SHOWN FOR CLARITY. ONLY FIBERS USED FOR NETWORK ACTIVE NETWORK LINKS ARE SHOWN.
 - SEE FIBER OPTIC SPLICING SHEETS FOR ALL FIBER STRAND TREATMENTS AT EACH SPLICING LOCATION.

NOTES:
1. ALL FIBERS ON ALL CABLES
ARE TERMINATED IN FIBER
2. CABINET. DARK FIBERS ARE
NOT SHOWN FOR CLARITY.
PATCH PANEL PORT
ASSIGNMENTS AND BACKHAUL
FIBERS TO IDOT DISTRICT 1
HEADQUARTERS TO BE
PROVIDED BY THE ENGINEER.

BACKHAUL TO IDOT



I-94 / REVLAC BUILDING E

NET-04



USER NAME = \$USERS\$	DESIGNED JJZ	REVISED -
	DRAWN MPK	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED CRH	REVISED -
PLOT DATE = \$DATES\$	DATE 2/9/2024	REVISED -

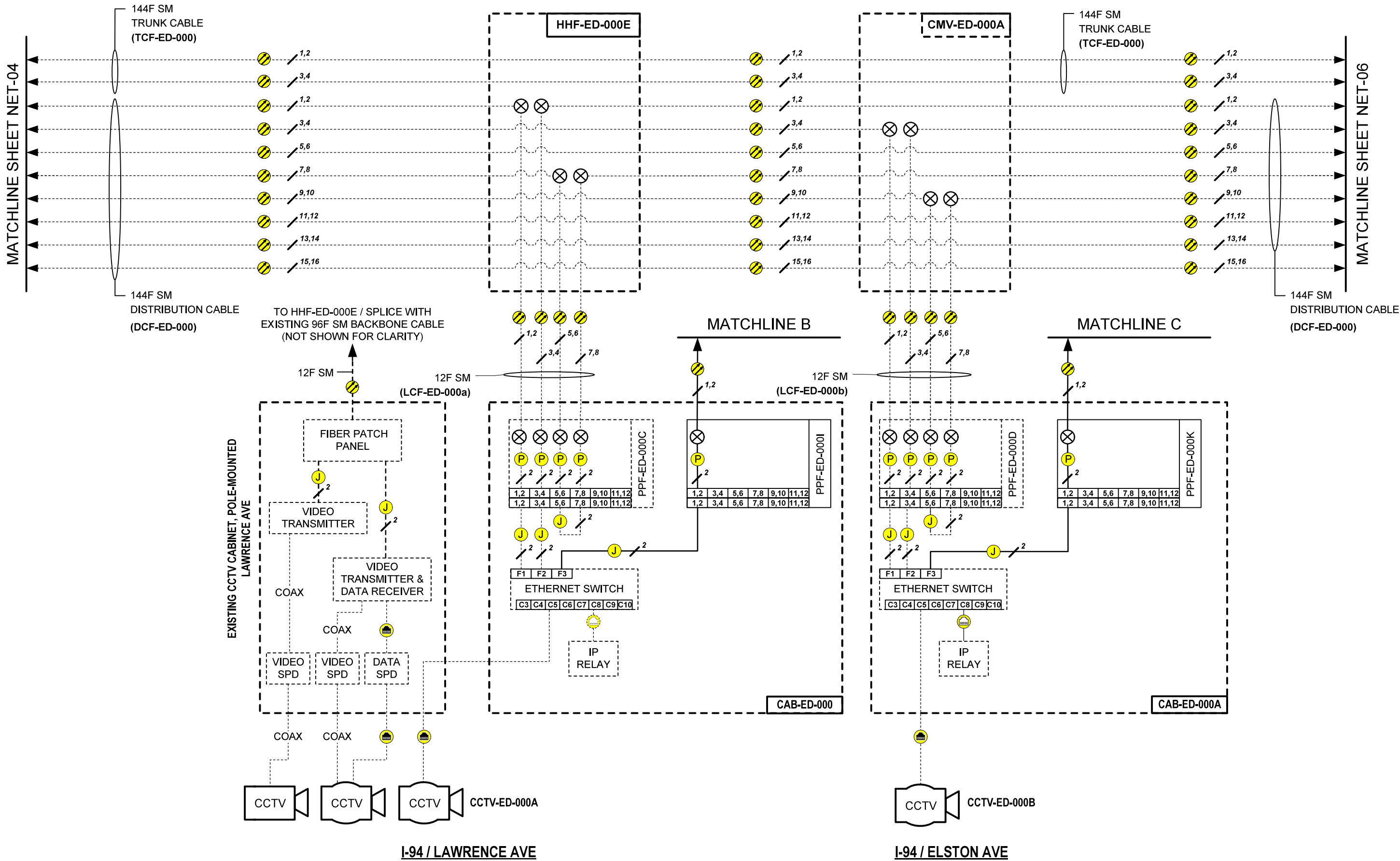
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NETWORK COMMUNICATION LINK DIAGRAM

SCALE: SHEET NO. 1 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I94	FAP 0346 23 SIGN	COOK	208	184
CONTRACT NO. 62V17				
ILLINOIS				FED. AID PROJECT

FILE NAME = \$FILES\$



NOTES:
1. ONLY NETWORK EQUIPMENT USED FOR I-94 VIDEO SURVEILLANCE SHOWN FOR CLARITY.

NET-05

Jacobs

USER NAME = \$USERS\$	DESIGNED JJZ	REVISED -
	DRAWN MPK	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED CRH	REVISED -
PLOT DATE = \$DATES\$	DATE 2/9/2024	REVISED -

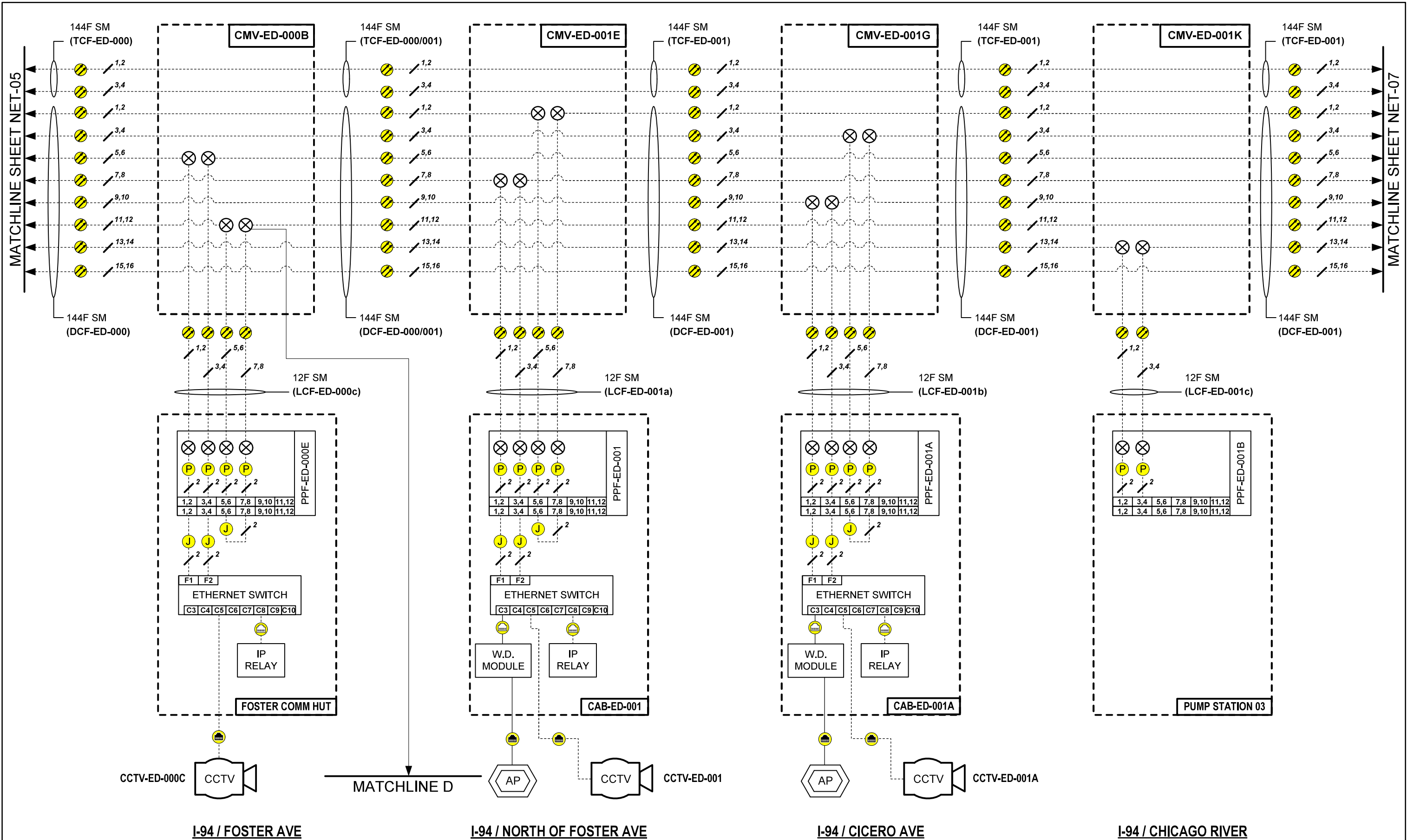
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NETWORK COMMUNICATION LINK DIAGRAM

SCALE: SHEET NO. 2 OF 14 SHEETS STA. TO STA.

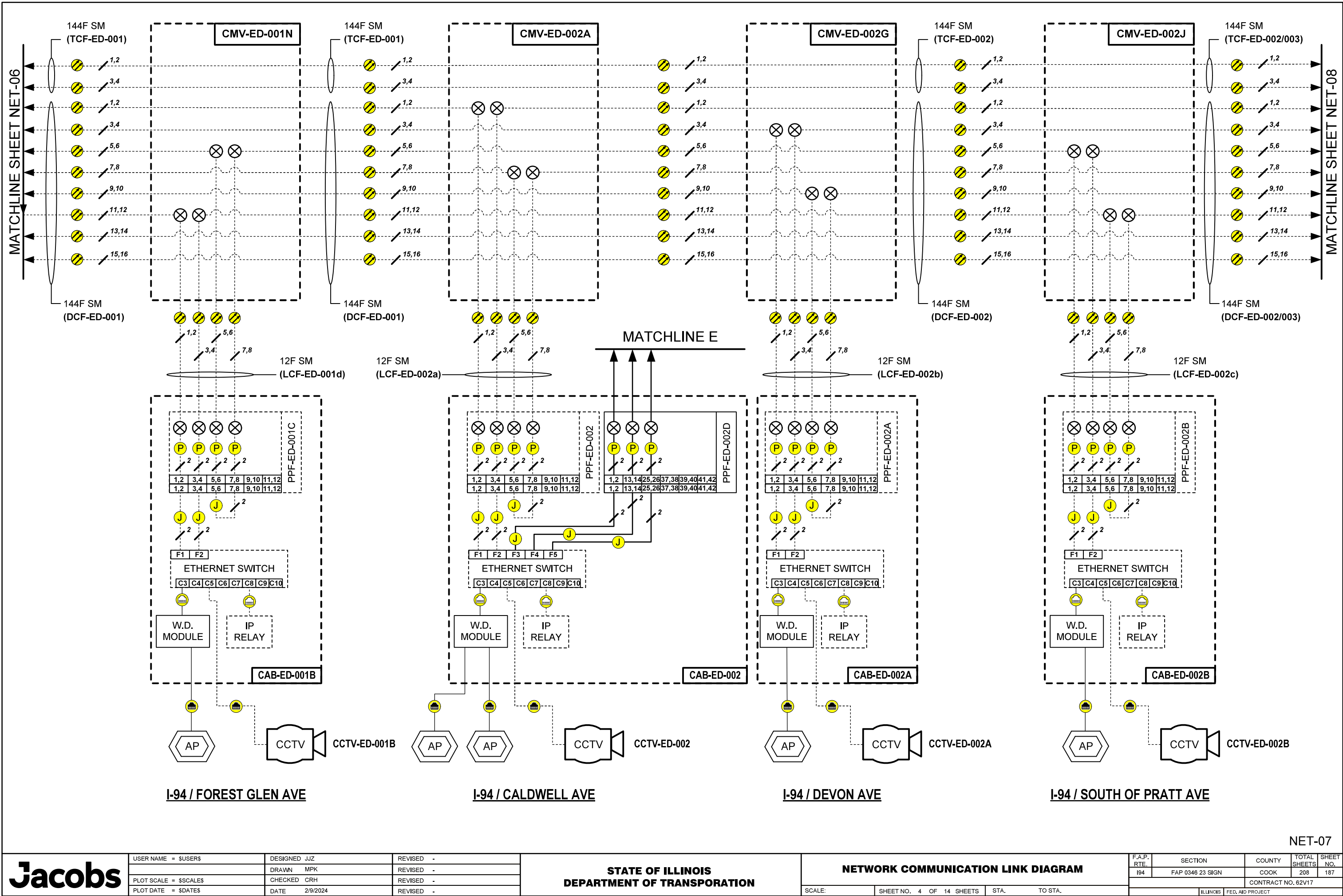
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I94	FAP 0346 23 SIGN	COOK	208	185
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

FILE NAME = \$FILES\$



NET-06

Jacobs	USER NAME = \$USERS\$	DESIGNED JJZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NETWORK COMMUNICATION LINK DIAGRAM			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN MPK	REVISED -					I94	FAP 0346 23 SIGN	COOK	208	186
	PLOT SCALE = \$SCALES\$	CHECKED CRH	REVISED -					CONTRACT NO. 62V17				
	PLOT DATE = \$DATES\$	DATE 2/9/2024	REVISED -					ILLINOIS FED. AID PROJECT				
FILE NAME = \$FILES\$				SCALE:			SHEET NO. 3 OF 14 SHEETS			STA. TO STA.		



NET-07



USER NAME = \$USERS\$	DESIGNED JJZ	REVISED -
	DRAWN MPK	REVISED -
PLOT SCALE = \$SCALES\$	CHECKED CRH	REVISED -
PLOT DATE = \$DATES\$	DATE 2/9/2024	REVISED -

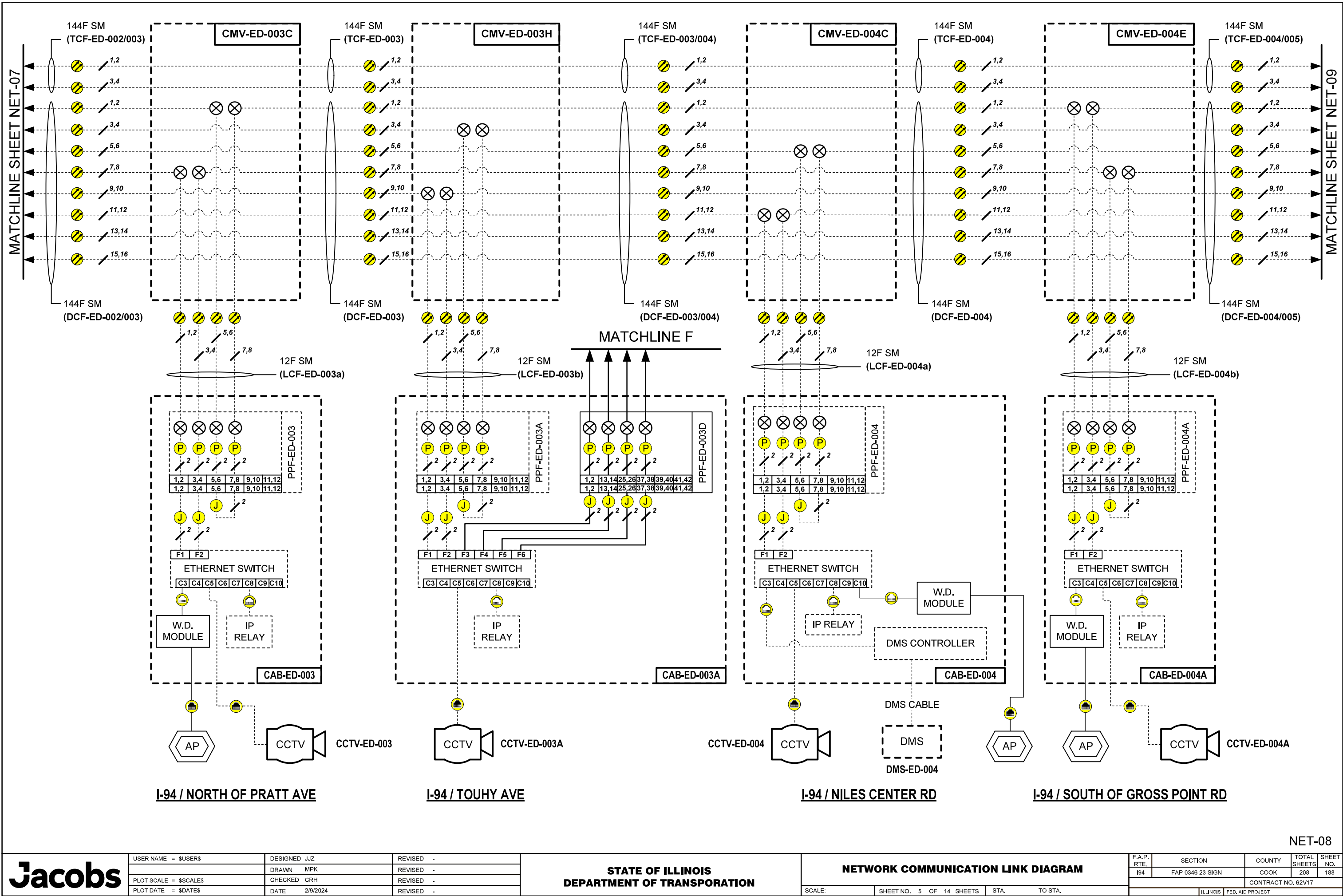
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

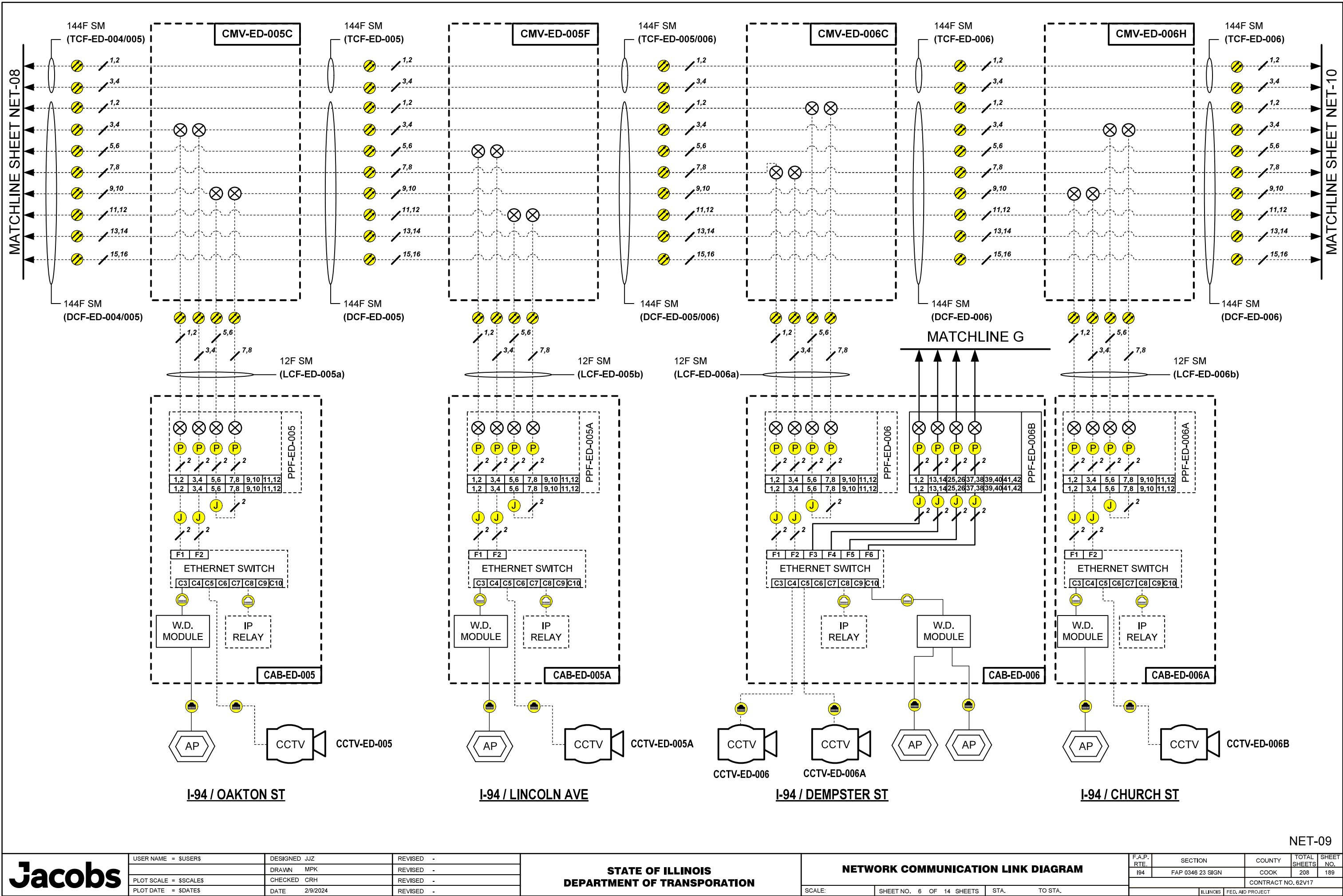
NETWORK COMMUNICATION LINK DIAGRAM

SCALE: SHEET NO. 4 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I94	FAP 0346 23 SIGN	COOK	208	187
ILLINOIS FED. AID PROJECT				

FILE NAME = \$FILES\$





Jacobs

USER NAME = \$USERS\$	DESIGNED JJZ
	DRAWN MPK
PLOT SCALE = \$SCALES\$	CHECKED CRH
PLOT DATE = \$DATES\$	DATE 2/9/2024

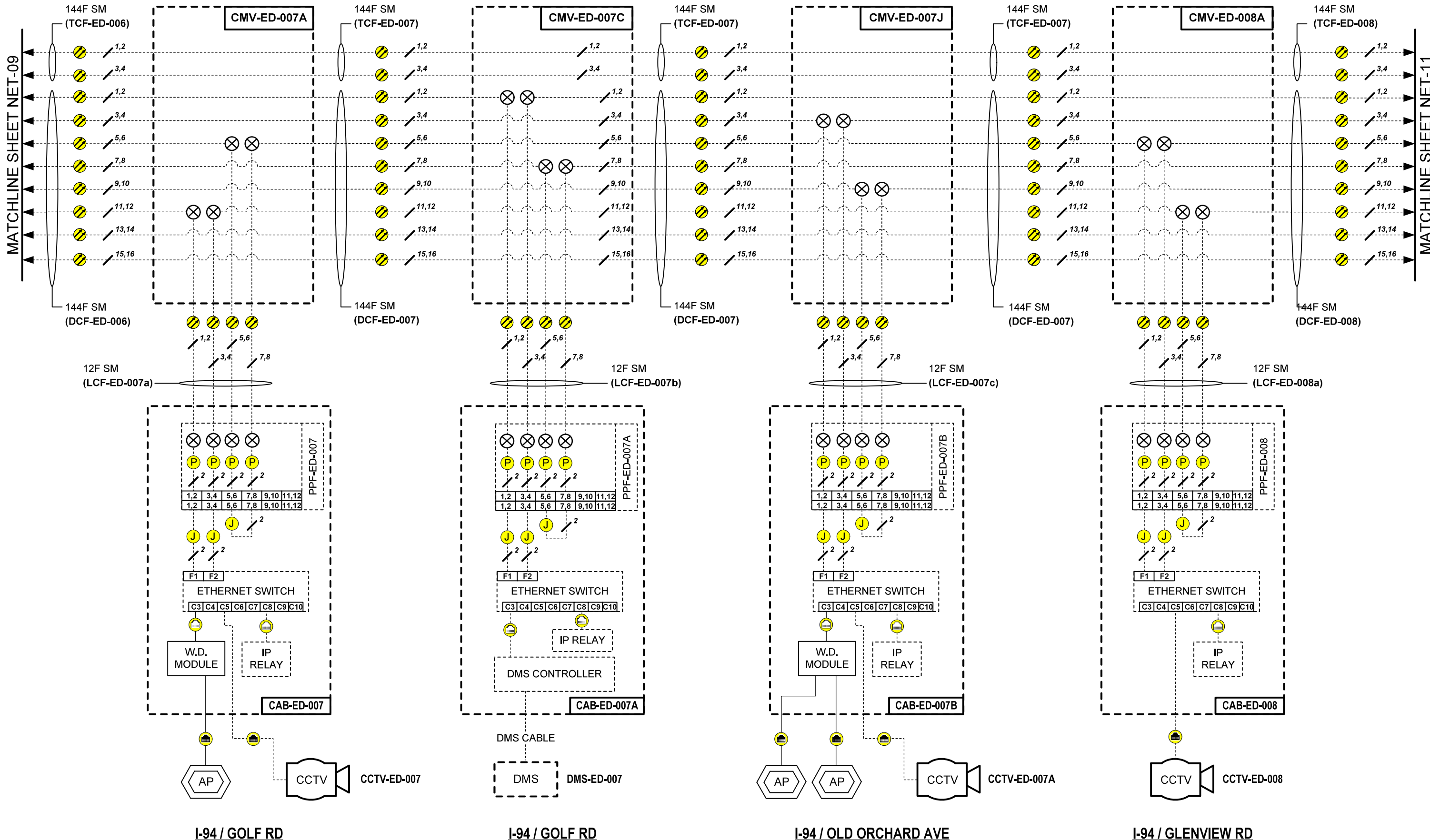
REVISED -
REVISED -
REVISED -
REVISED -

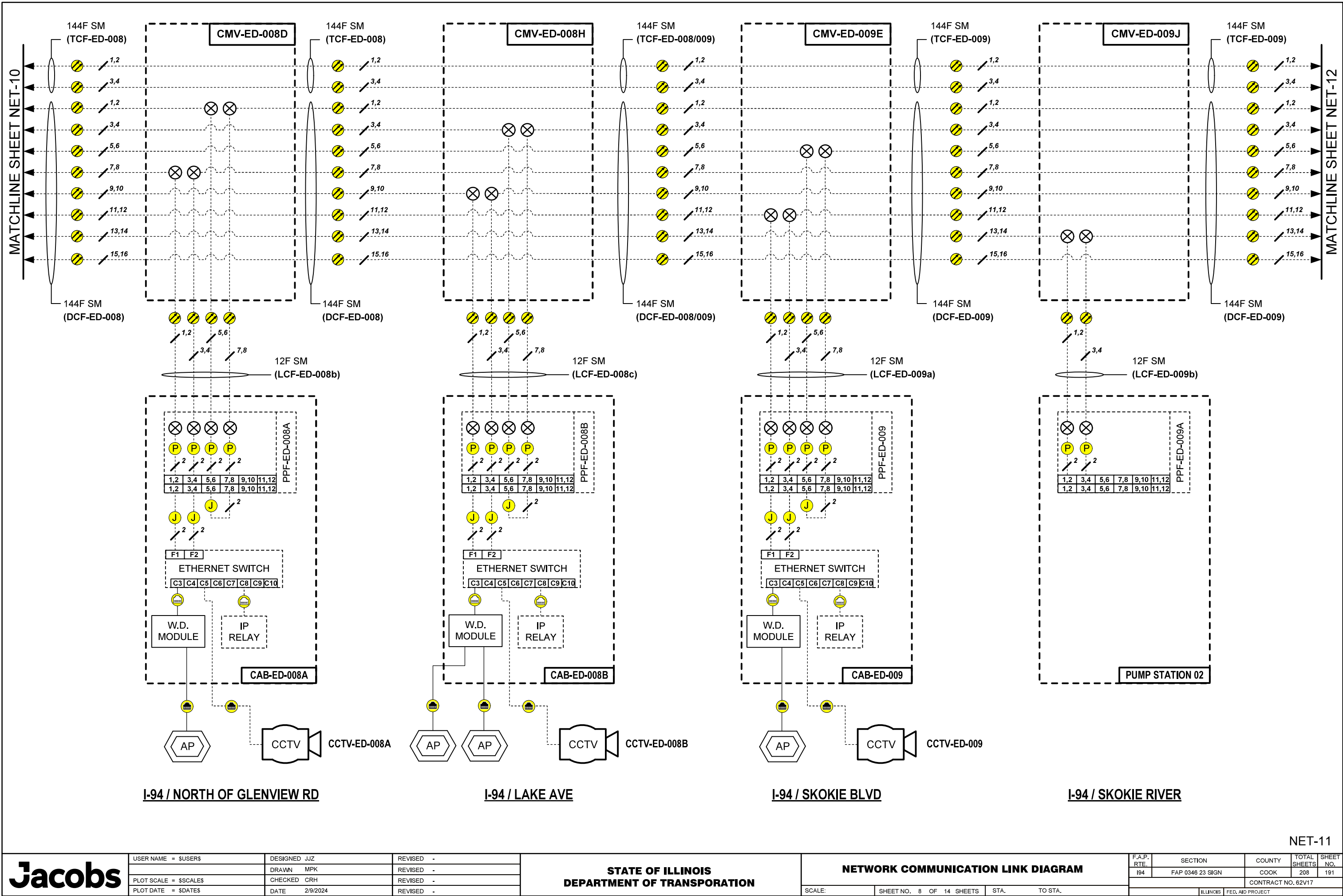
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NETWORK COMMUNICATION LINK DIAGRAM

SCALE: SHEET NO. 6 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I94	FAP 0346 23 SIGN	COOK	208	189
ILLINOIS FED. AID PROJECT				





NET-11



USER NAME = \$USERS\$	DESIGNED JJZ	REVISED -
	DRAWN MPK	REVISED -
PLOT SCALE = \$SCALES\$	CHECKED CRH	REVISED -
PLOT DATE = \$DATES\$	DATE 2/9/2024	REVISED -

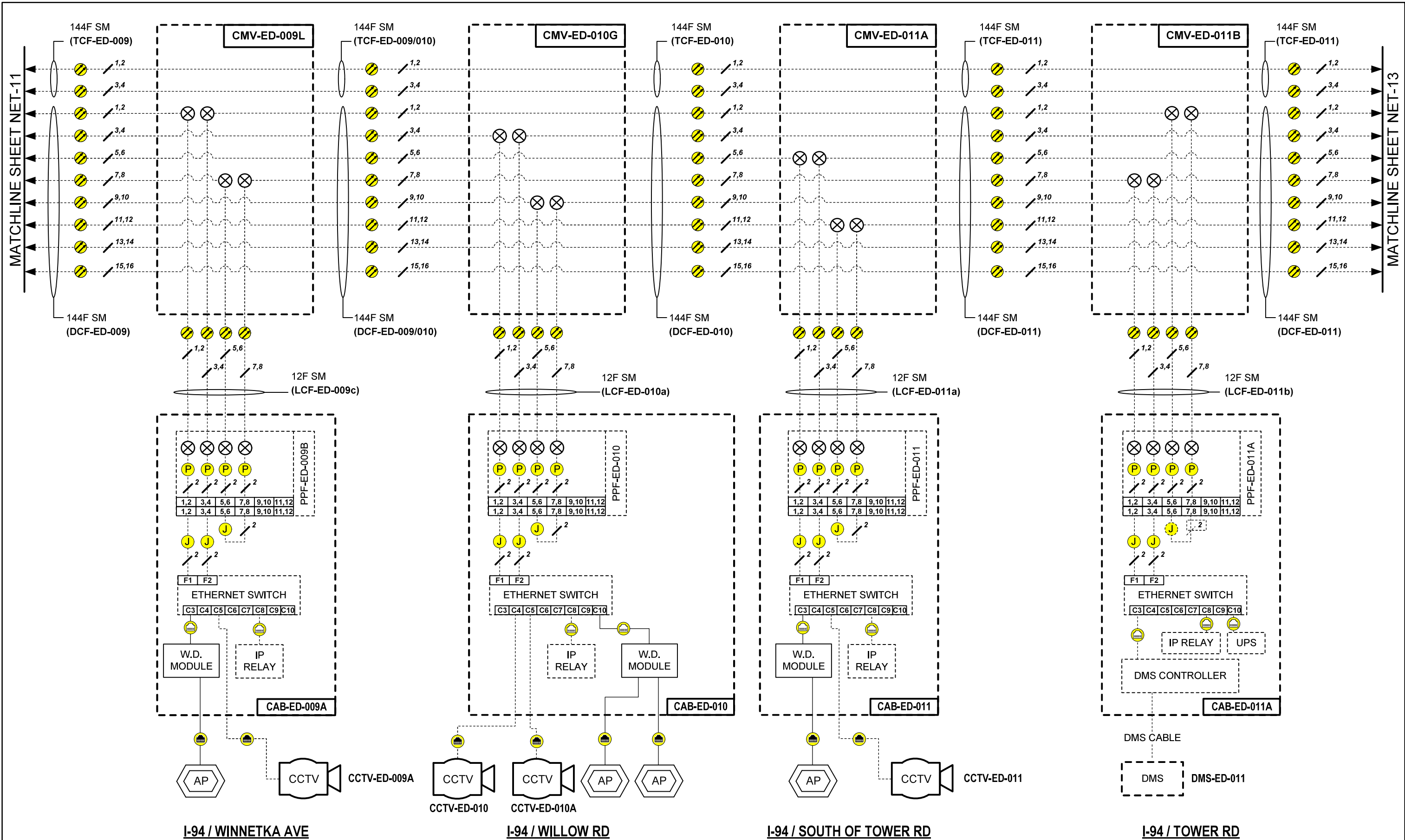
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NETWORK COMMUNICATION LINK DIAGRAM

SCALE: SHEET NO. 8 OF 14 SHEETS STA. TO STA.

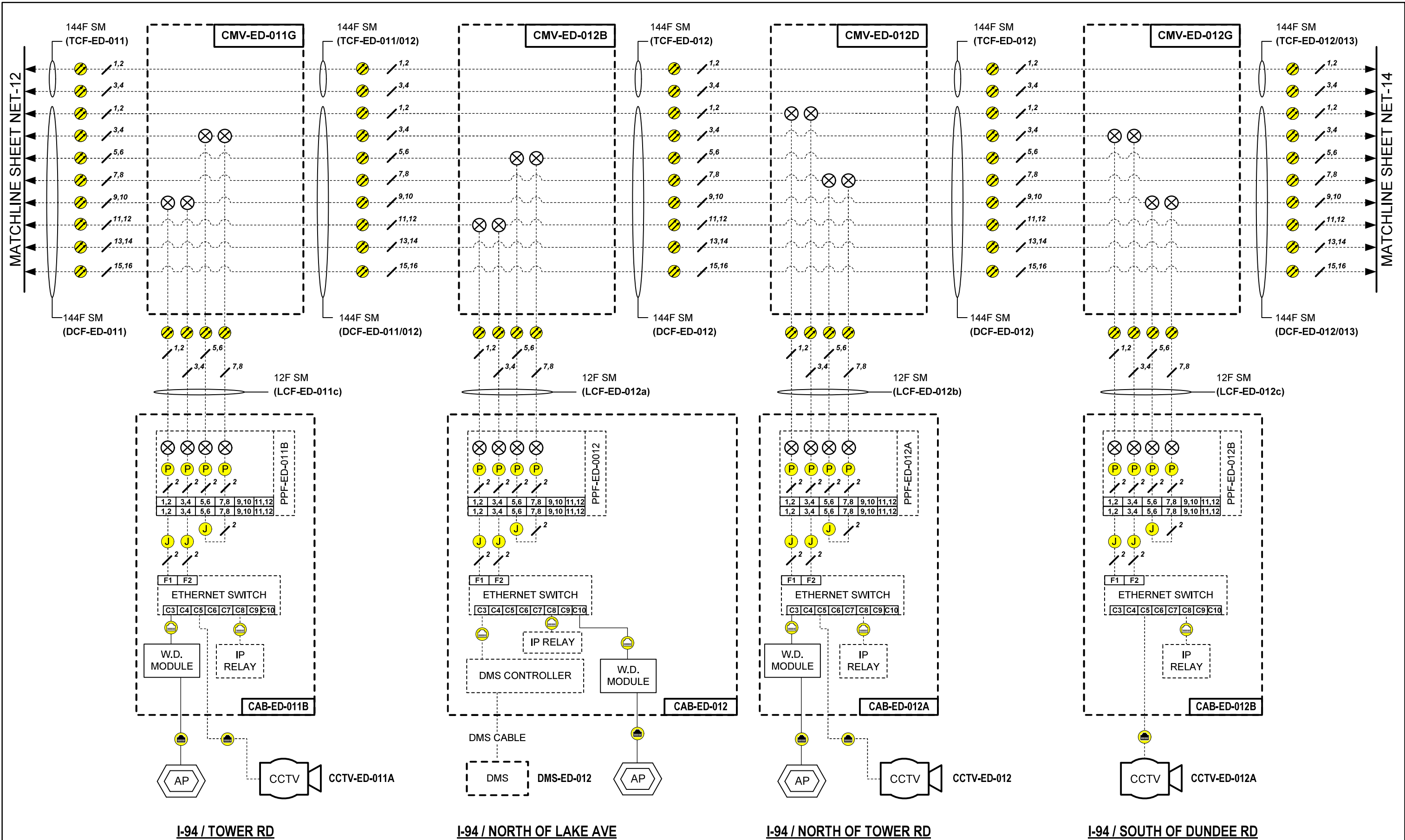
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I94	FAP 0346 23 SIGN	COOK	208	191
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

FILE NAME = \$FILES\$



NET-12

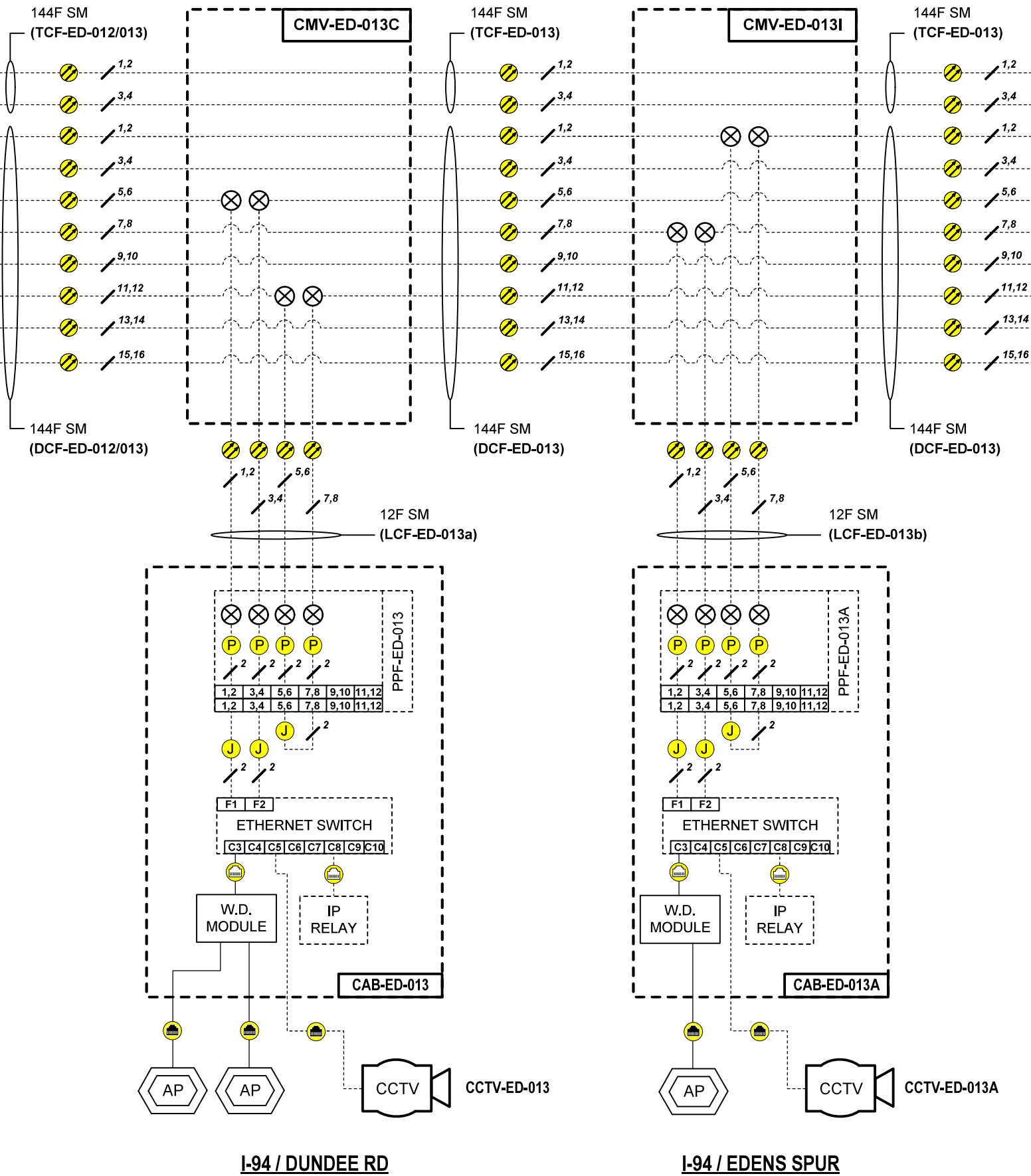
Jacobs	USER NAME = \$USERS\$	DESIGNED JJZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NETWORK COMMUNICATION LINK DIAGRAM			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALES\$	DRAWN MPK	REVISED -					I94	FAP 0346 23 SIGN	COOK	208	192
	PLOT DATE = \$DATES\$	CHECKED CRH	REVISED -					CONTRACT NO. 62V17				
		DATE 2/9/2024	REVISED -					ILLINOIS FED. AID PROJECT				
FILE NAME = \$FILES\$				SCALE:			SHEET NO. 9 OF 14 SHEETS			STA. TO STA.		



NET-13

MATCHLINE SHEET NET-13

MATCHLINE SHEET NET-15



NET-14



USER NAME = \$USERS\$	DESIGNED JJZ	REVISED -
	DRAWN MPK	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED CRH	REVISED -
PLOT DATE = \$DATES\$	DATE 2/9/2024	REVISED -

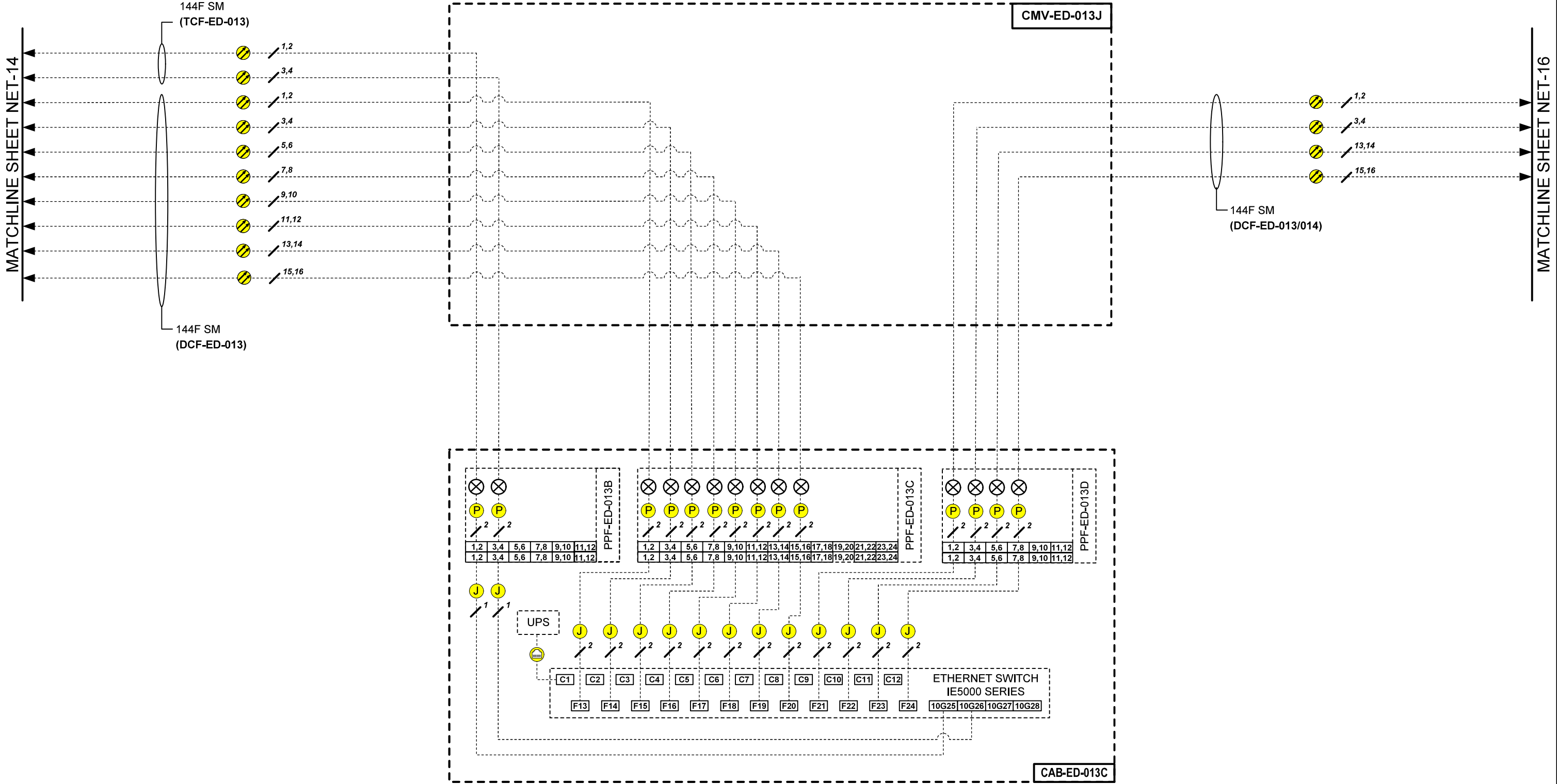
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NETWORK COMMUNICATION LINK DIAGRAM

SCALE: SHEET NO. 11 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I94	FAP 0346 23 SIGN	COOK	208	194
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

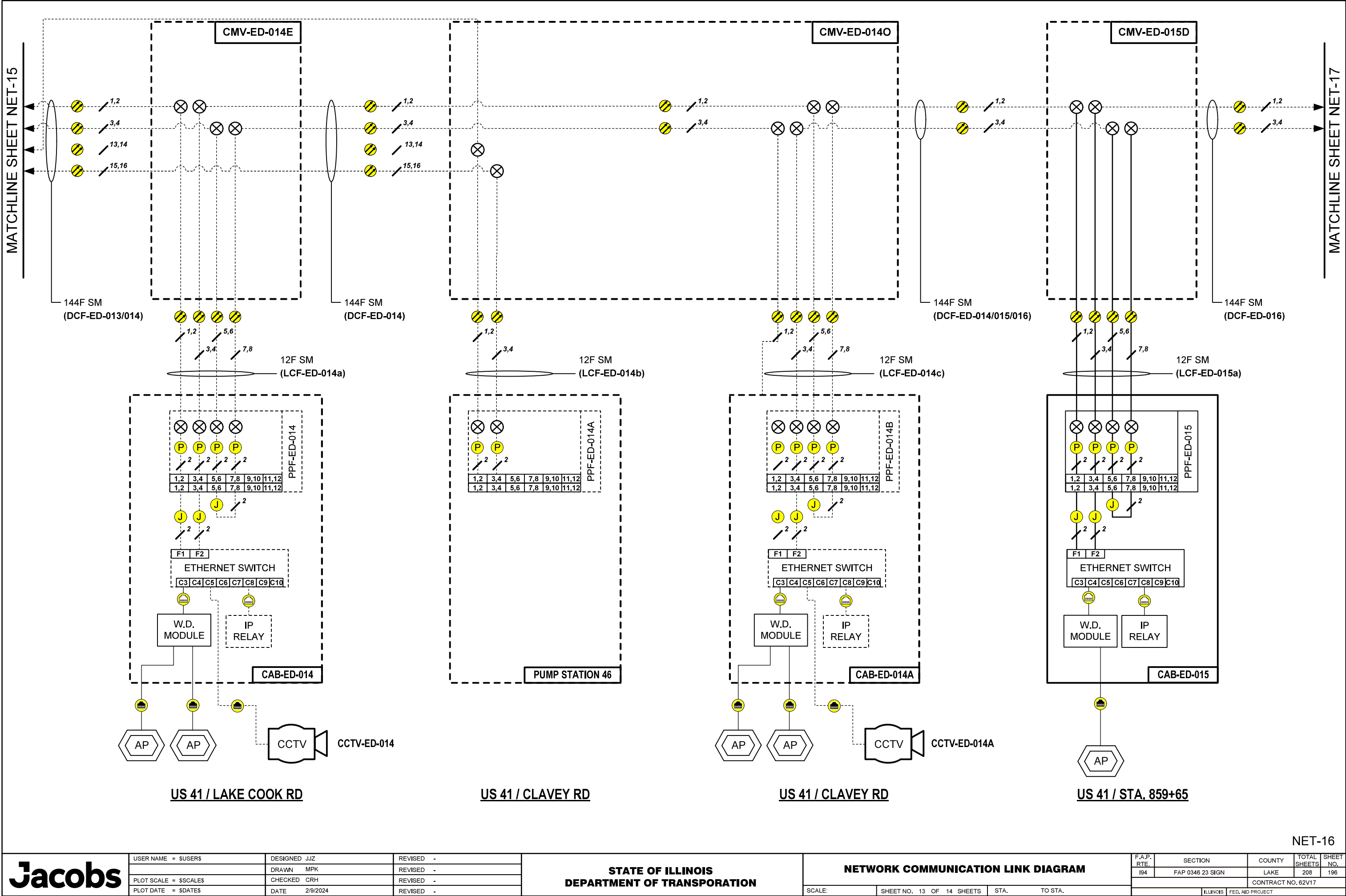
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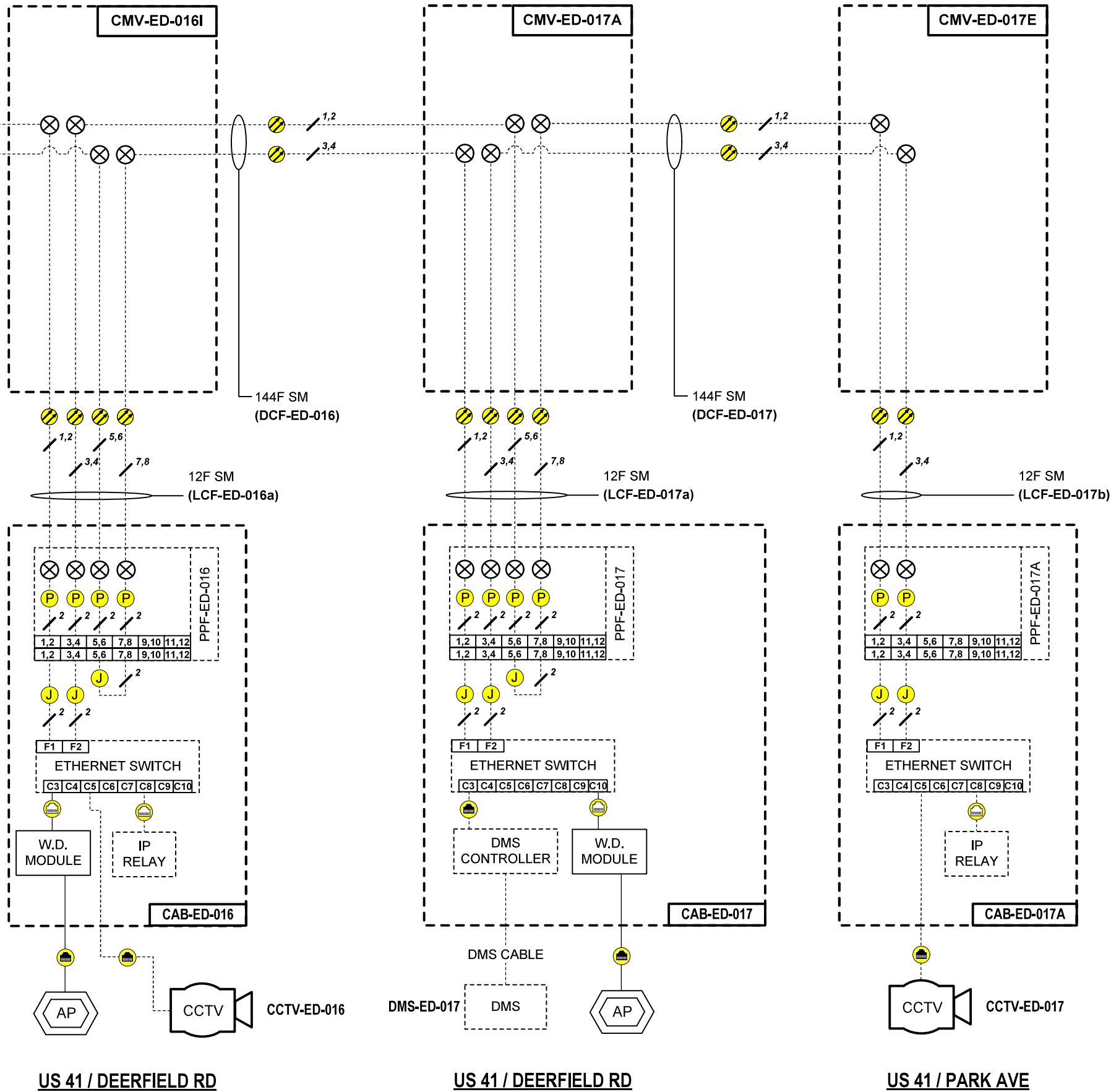
US 41/ EDENS SPUR NODE

NOTES:
1. ALL FIBERS ON ALL CABLES ARE TERMINATED IN FIBER CABINET.
DARK FIBERS ARE NOT SHOWN FOR CLARITY.

NET-15



MATCHLINE SHEET NET-16



NET-17

Jacobs

USER NAME = \$USERS\$	DESIGNED JJZ	REVISED -
	DRAWN MPK	REVISED -
PLOT SCALE = \$SCALES\$	CHECKED CRH	REVISED -
PLOT DATE = \$DATES\$	DATE 2/9/2024	REVISED -

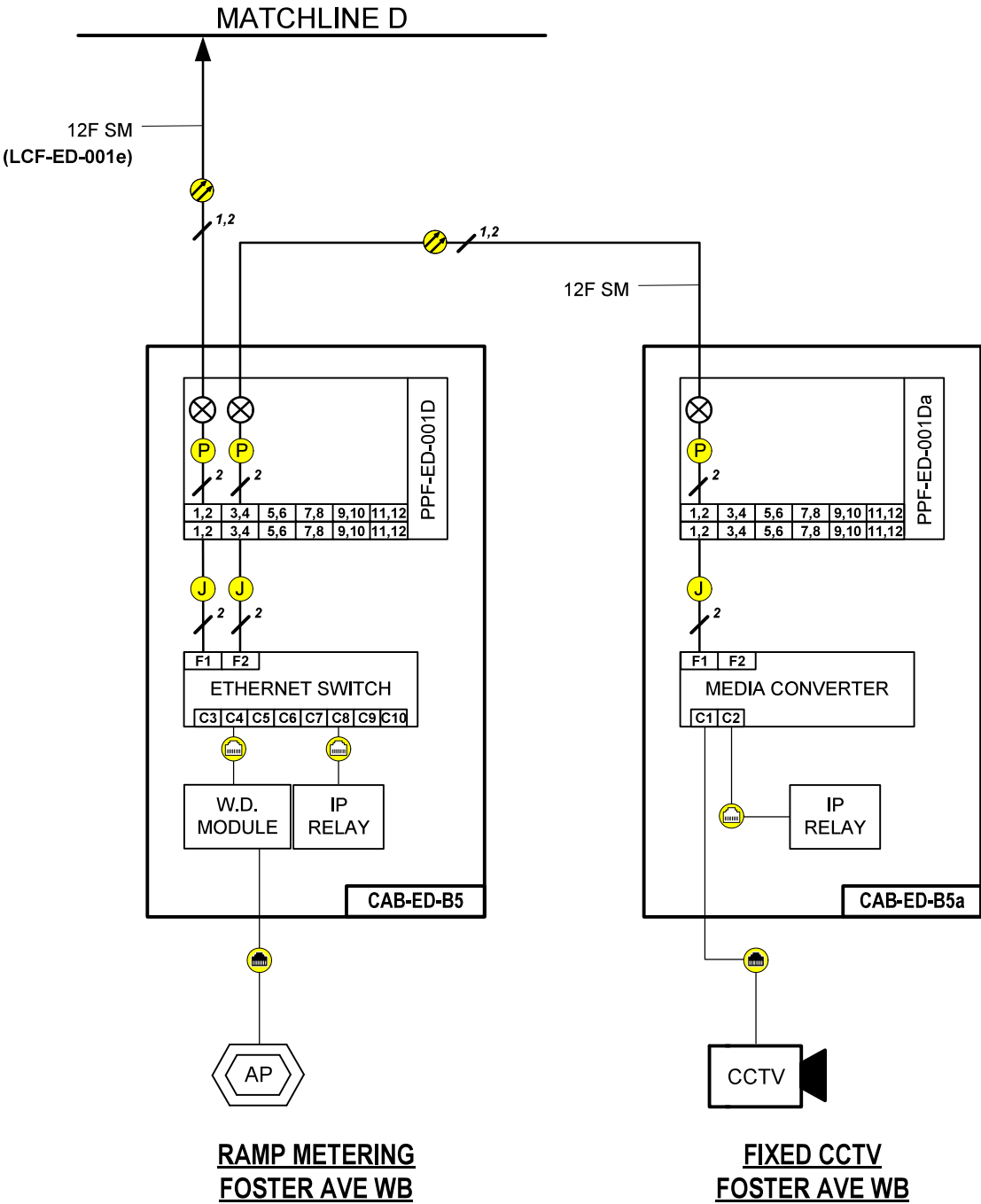
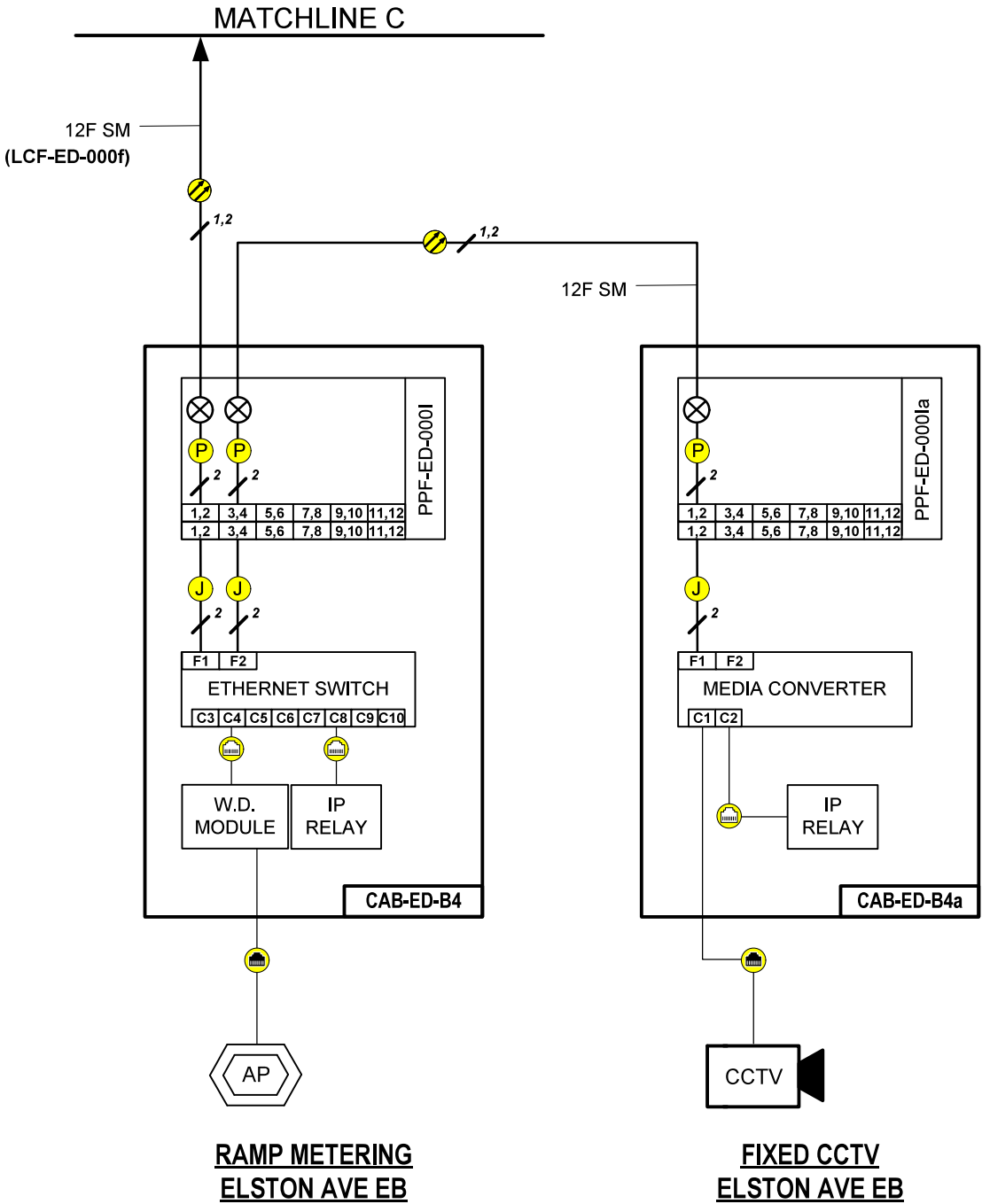
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

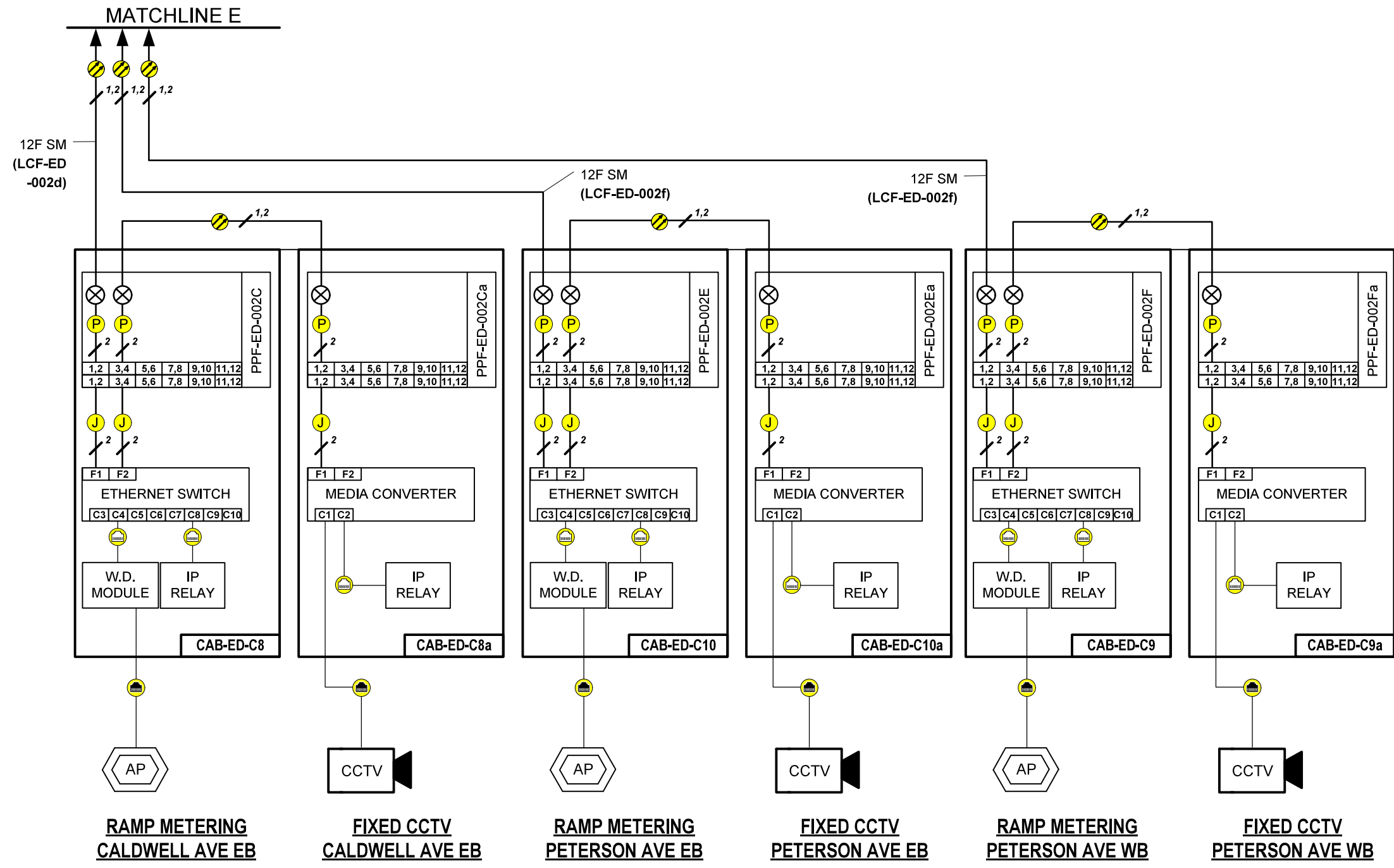
NETWORK COMMUNICATION LINK DIAGRAM

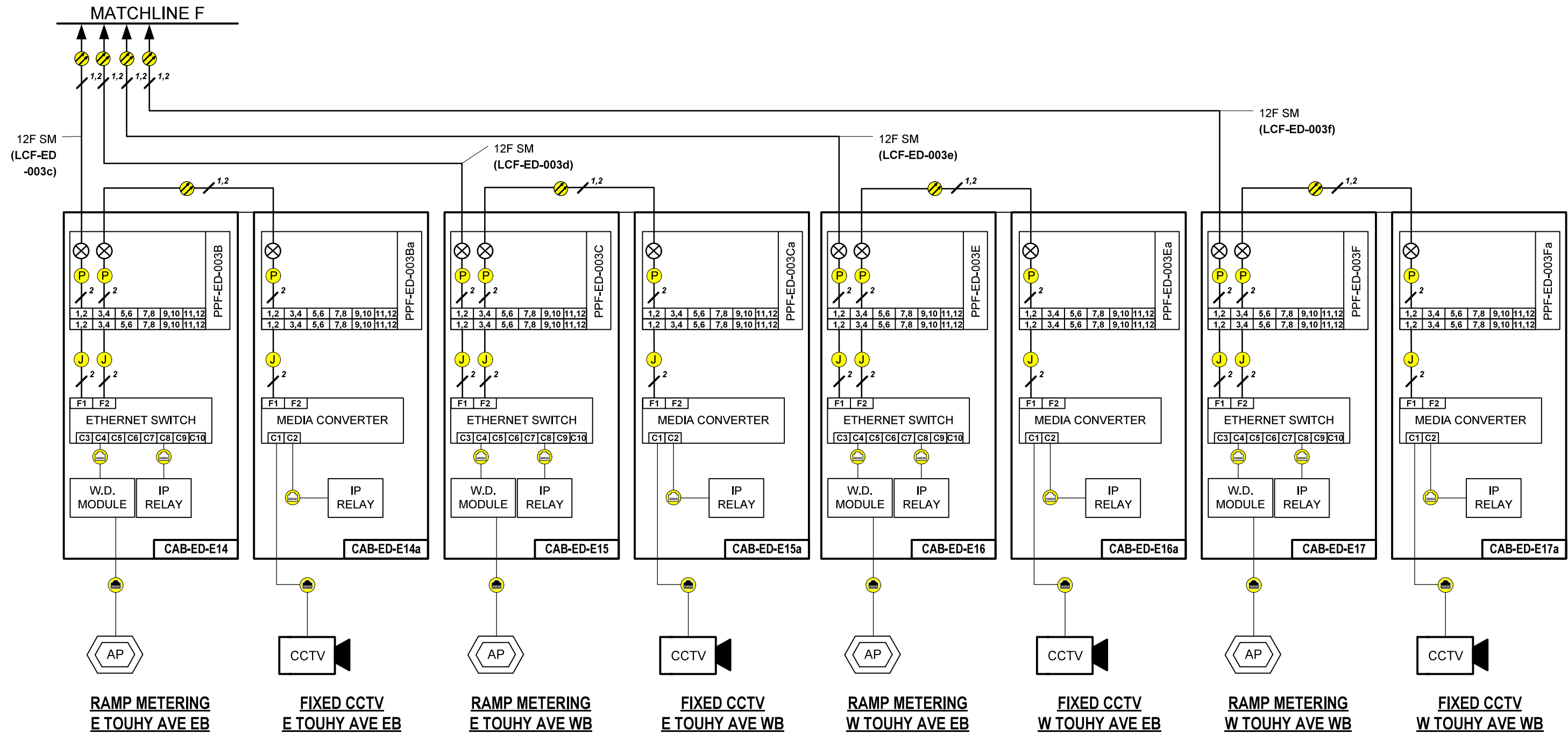
SCALE: SHEET NO. 14 OF 14 SHEETS STA. TO STA.

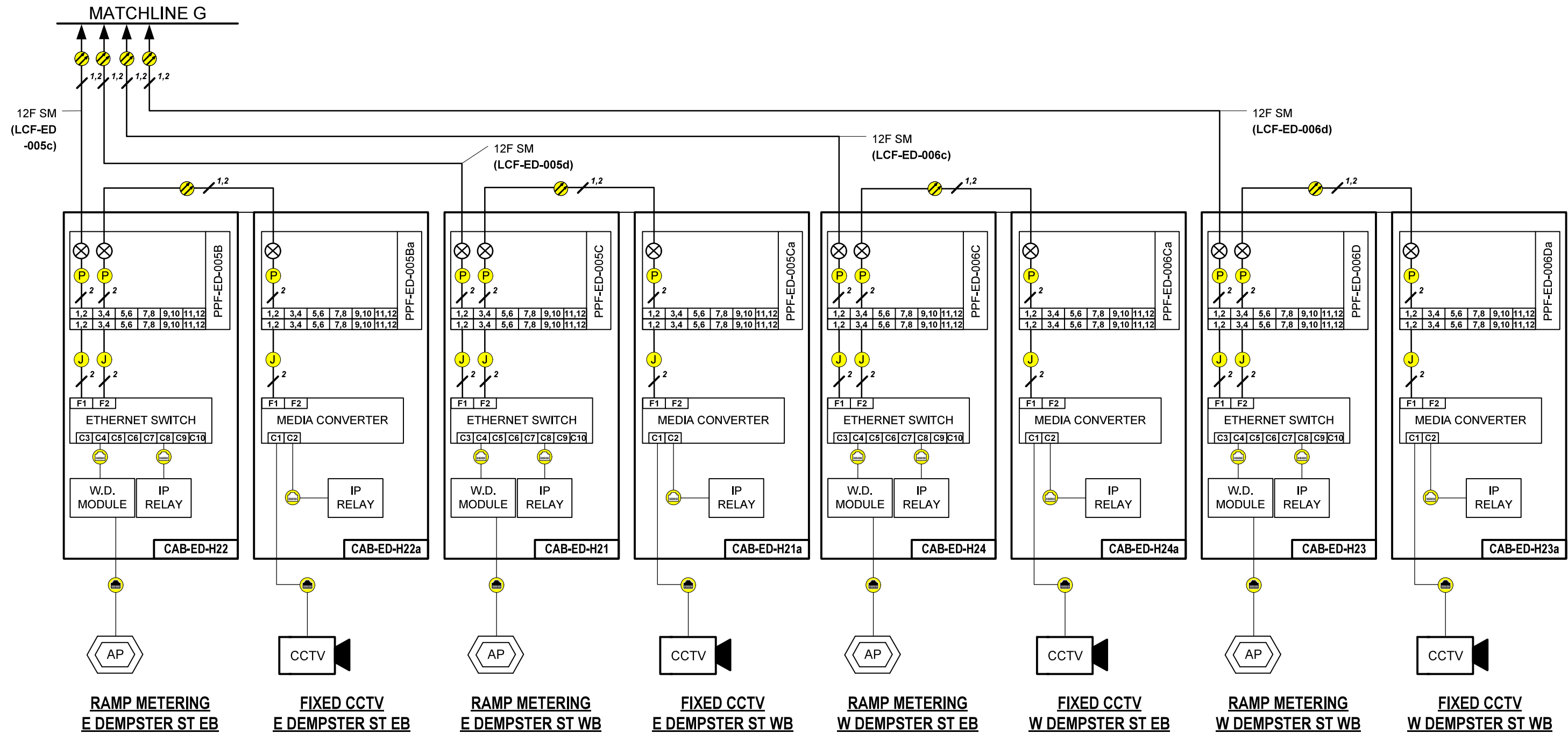
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I94	FAP 0346 23 SIGN	LAKE	208	197
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

FILE NAME = \$FILES\$









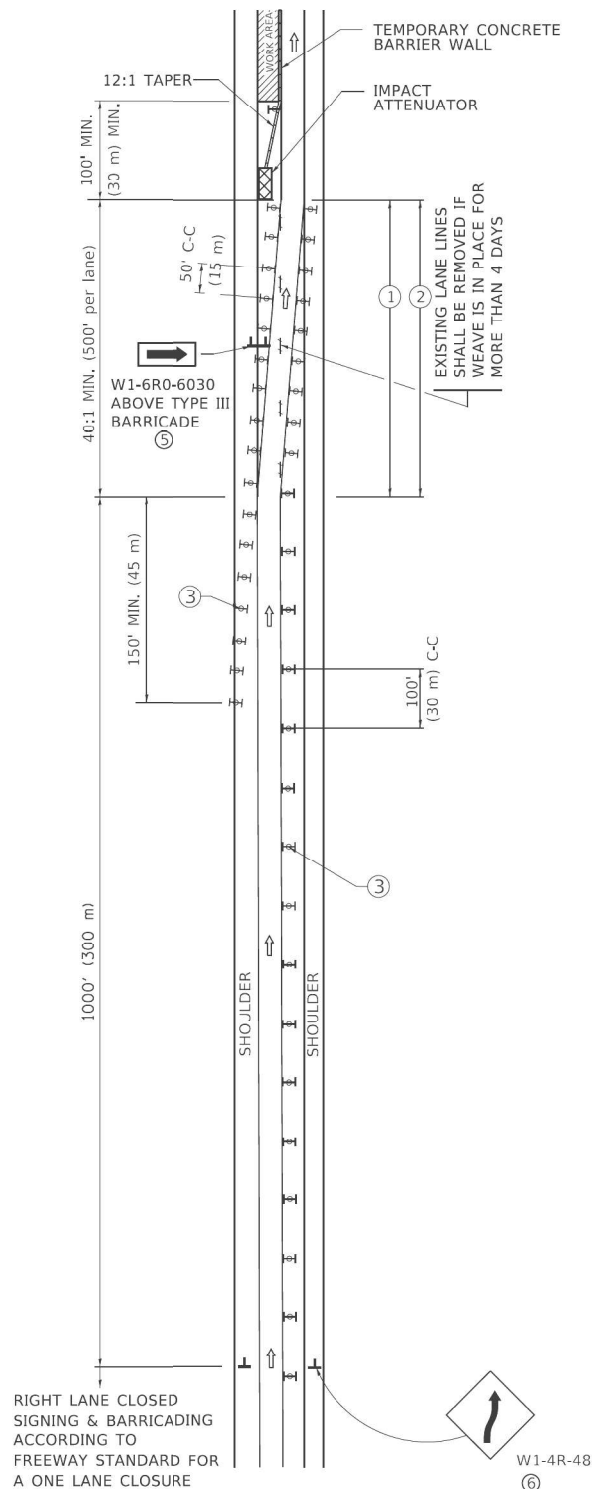
NET-22

\\p01\proj\sect\illiana\er_jacobs.com\NAD\Documents\COX20600_494_U.S._41\COX20600\708cad\713ra\62V17 (ITS Cabinet Replacement)\200_002_D1E2V17-shr-STD.dgn

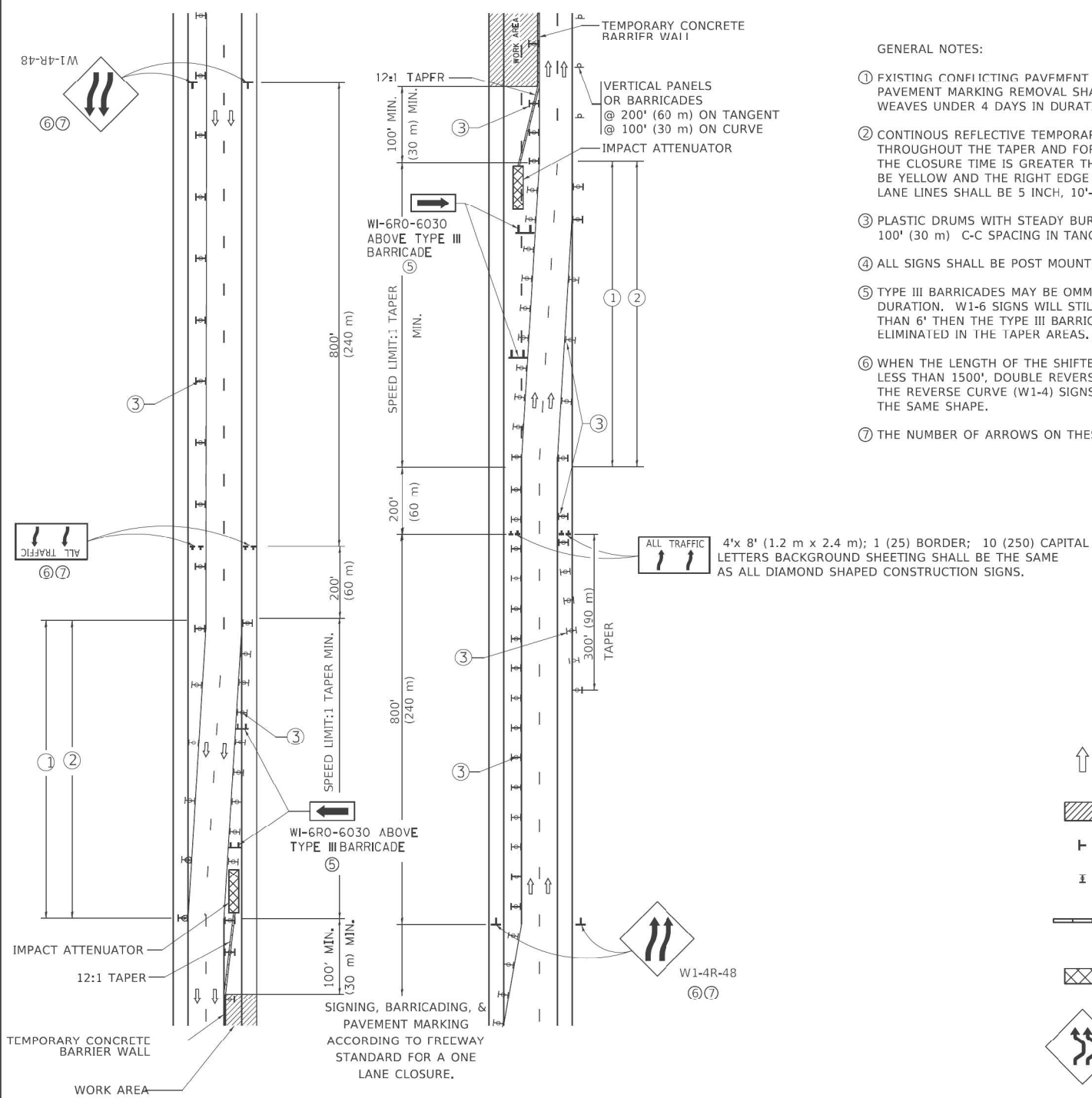
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6/29/2019 10:24:46 AM User: fcastelli

SINGLE LANE WEAVE



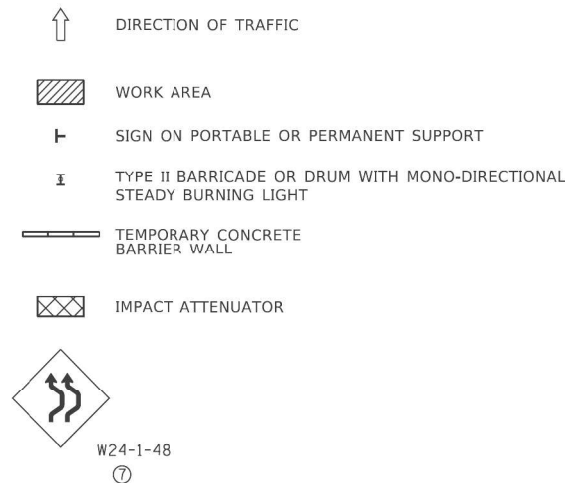
MULTI-LANE WEAVE



GENERAL NOTES:

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- 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.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- 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.
- 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.
- 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

	USER NAME = footerj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - S.P.B. 01-07											
	PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED - S.P.B. 12-09		SCALE: NONE		SHEET 1	OF 1	SHEETS	STA.	TO STA.	TC-09		
	PLOT DATE = 3/4/2019	DATE - 02-87	REVISED - M.D. 06-13											

Jacobs

USER NAME =	korabmp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
PLOT SCALE =		CHECKED -	REVISED -
PLOT DATE =	6/28/2024	DATE -	2/9/2024

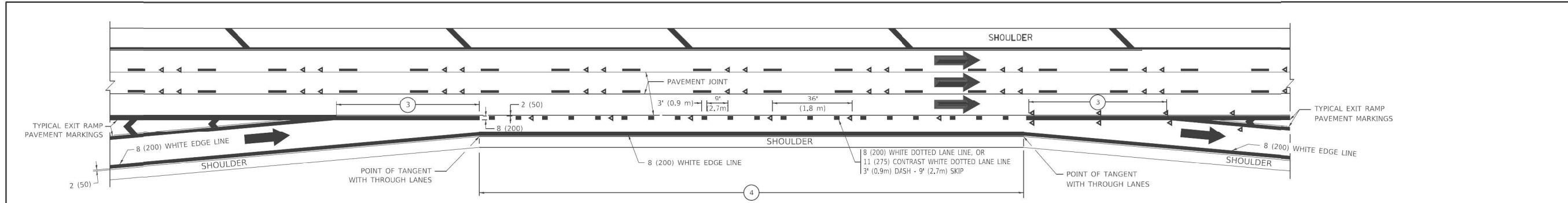
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARD DETAIL
TC-09

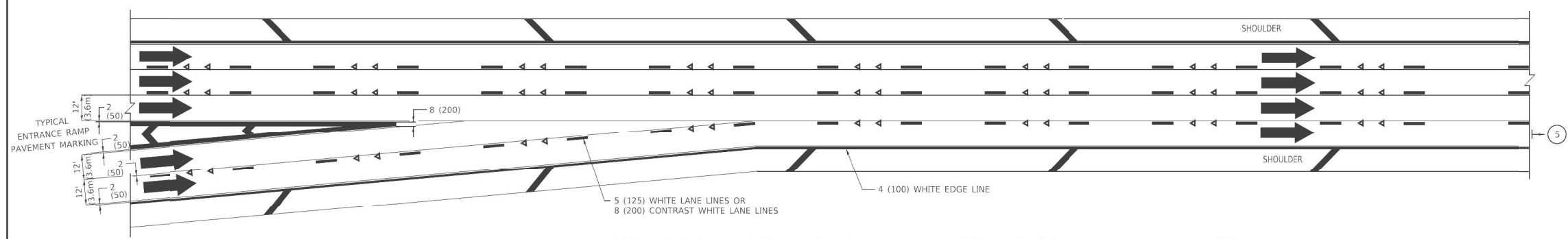
SCALE: NTS SHEET 2 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK/LAKE	208	204
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

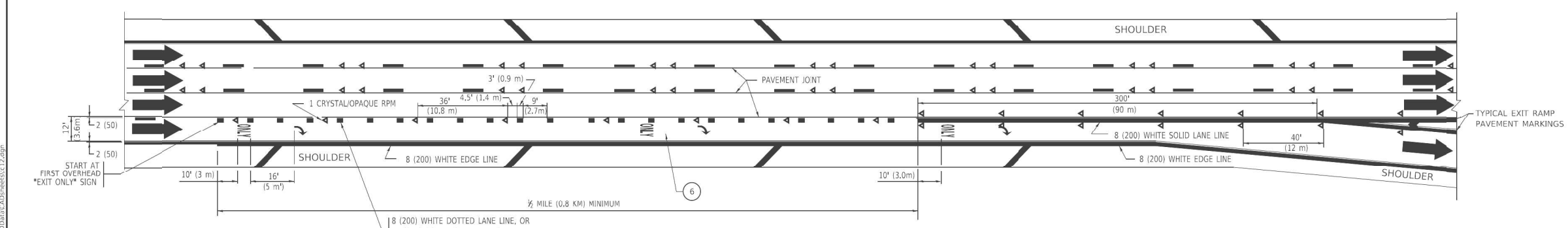




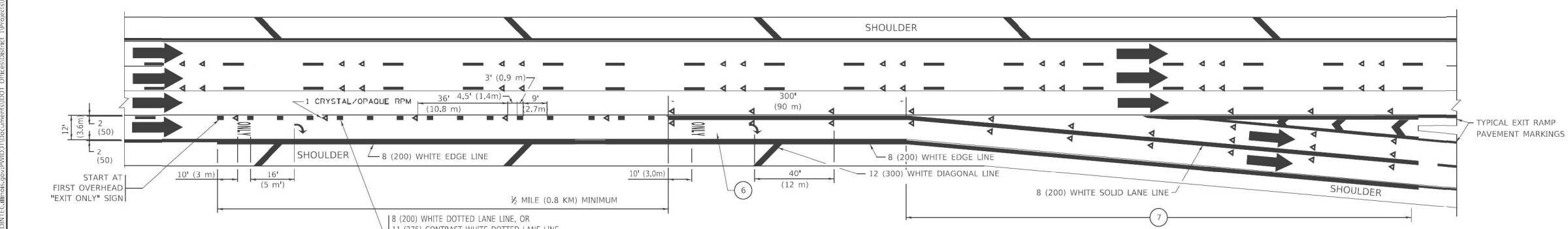
AUXILIARY LANE MARKINGS



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.

FILE NAME: D:\01108\BID\ITC\Illinois\pav\WD17\Documents\DOT_Offices\08\04\17\ITS_Cabinet_Replacement\200_005_D1E2V17-shl-STD.dgn 6/12/2019 10:32:33 AM User=foatemj	USER NAME = foatemj		DESIGNED = D.W.S.		REVISED = J.A.F. 02-06		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS					F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN =		REVISED = S.P.B. 01-07												TC-12		CONTRACT NO.			
	PLOT SCALE = 50,0000 ' / in.		CHECKED =		REVISED = S.P.B. 01-10							ILLINOIS FED. AID PROJECT										
	PLOT DATE = 3/4/2019		DATE = 01-90		REVISED = M.D. 09-17							SCALE: NONE					SHEET 1	OF 2				SHEETS



USER NAME = korabmp	DESIGNED -	REVISED -
DRAWN -	REVISED -	
CHECKED -	REVISED -	
DATE = 2/9/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARD DETAIL
TC-12b

SCALE: NTS	SHEET 5	OF 6	SHEETS	STA.	TO STA.		
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/41	FAP 0346 23 SIGN	COOK/LAKE	208	207
CONTRACT NO. 62V17				
ILLINOIS FED. AID PROJECT				

SHOULDER

SHOULDER

SEE NOTE 8

1:10 TAPER

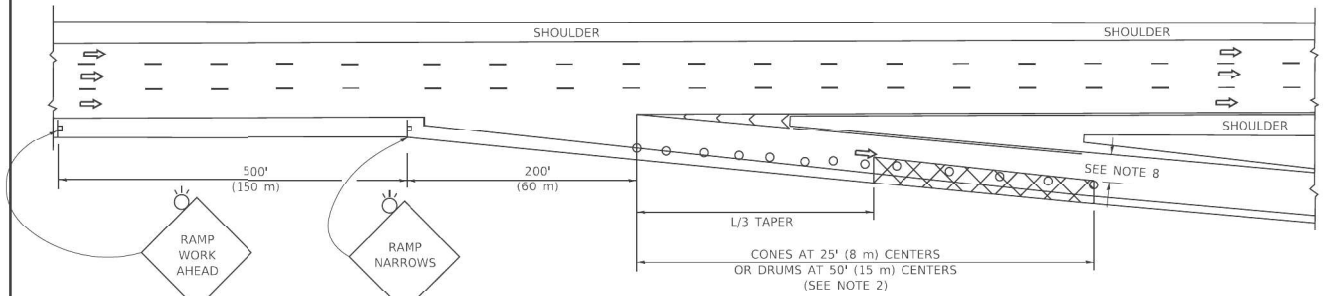
200' (60 m)

200' (60 m)

CONES AT 25' (8 m) CENTERS OR DRUMS AT 50' (15 m) CENTERS (SEE NOTE 2)

NO WORK ALLOWED IN THIS AREA UNLESS RAMP IS CLOSED OR RIGHT LANE IS CLOSED

Diagram illustrating two diamond-shaped advance warning signs for a ramp. The first sign is labeled "RAMP WORK AHEAD" and the second is labeled "RAMP NARROWS". Both signs have a sun icon at the top. The second sign is also labeled "W5-4-48" below it.

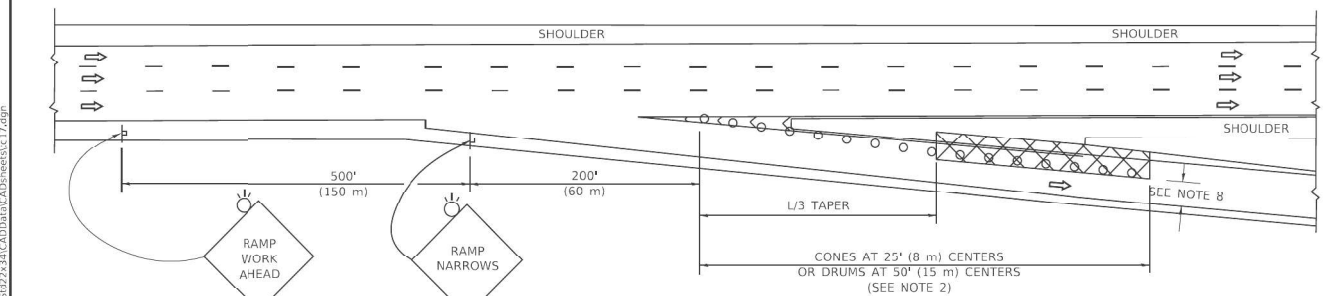


W5-4-48

TYPICAL EXIT RAMP

SHOULDER

SHOULDER



	ACTIVE WORK AREA					

	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

1. THE "L" DISTANCE EQUALS:

<u>SPEED LIMIT</u>	<u>FORMULAS</u>	
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.

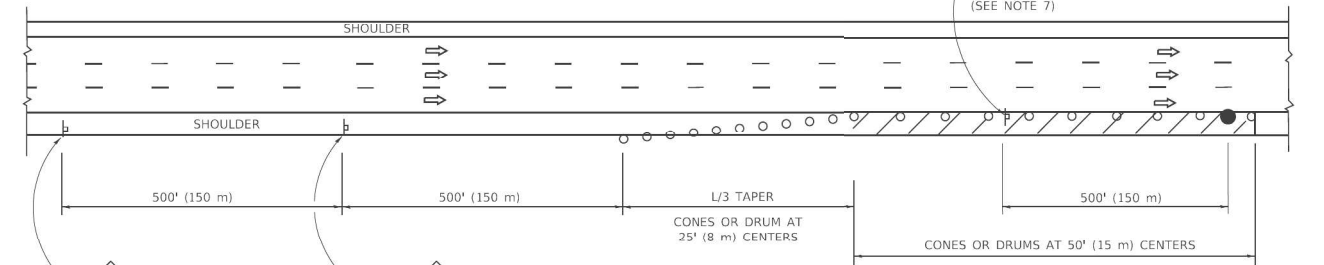
Plan view of the proposed road layout. The diagram shows a cross-section of the road with two shoulders and two travel lanes. Key features include:

- Shoulders:** Labeled "SHOULDER" on both sides.
- Travel Lanes:** Indicated by dashed lines and arrows showing traffic flow.
- Drainage:** A central drainage ditch with a "12:1 MIN. TAPER" slope. "DRUMS AT 50' (15 m) CENTERS" and "DRUMS AT 100' (30 m) CENTERS" are shown along the ditch.
- Dimensions:**
 - Left shoulder width: 1600' (480 m)
 - Travel lane width: 1000' (300 m)
 - Right shoulder width: 100' (30 m)
- Labels:**
 - "SEE DETAIL A" points to a specific area of the drainage ditch.
 - "SEE STANDARD 704001 (TYPICAL)" points to the drainage ditch.
 - "LOWER SLOPE OF WALL (LEFT EDGE YELLOW, RIGHT EDGE WHITE)" points to a detail of the ditch wall.

W 20-1103(0)-48

PERMANENT SHOULDER CLOSURE





W 20-T103(0)-48

DAYTIME SHOULDER CLOSURE

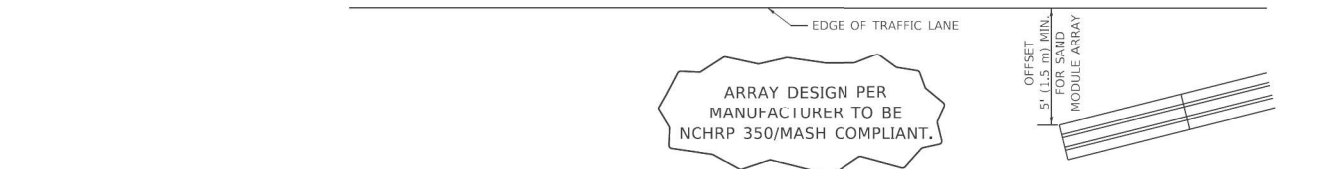
THIS DETAIL IS USED WHERE:

- VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4,5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

W 20-1103(O)-48

DAYTIME SHOULDER CLOSURE

EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



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.	DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)
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8. 12" MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

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

**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.		
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT		