

08-01-2025 LETTING ITEM 034

INDEX OF SHEETS:

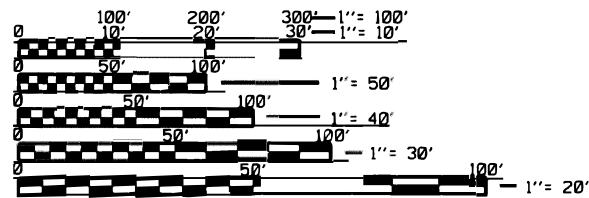
SEE SHEET 2 FOR INDEX OF SHEETS

HIGHWAY STANDARDS:

SEE SHEET 2 FOR A LIST OF
APPLICABLE HIGHWAY STANDARDS

PROJECT DESCRIPTION:

REMOVAL AND REPLACEMENT OF
VIDEO DETECTION SYSTEMS, AND
INSTALLATION OF CCTV CAMERAS
ALONG VARIOUS ROUTES IN
VARIOUS COUNTIES



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

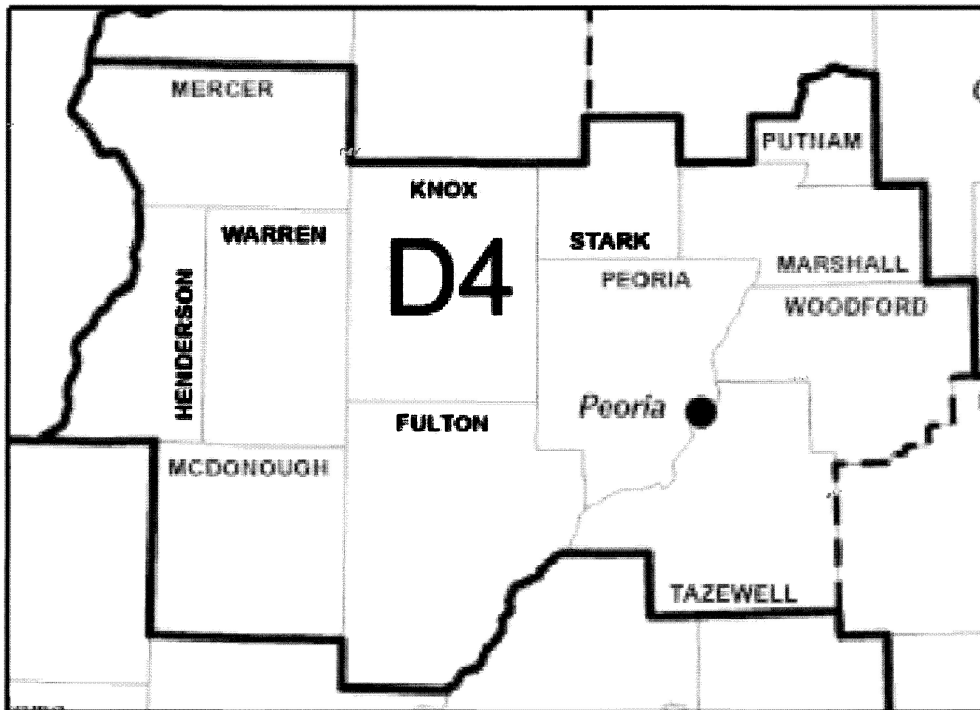
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: ERIC HOWALD (309) 671-4481
PROJECT MANAGER: BEN TELLEFSON (309) 671-4477
CATALOG NO. 036664-000
CONTRACT NO. 68K26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

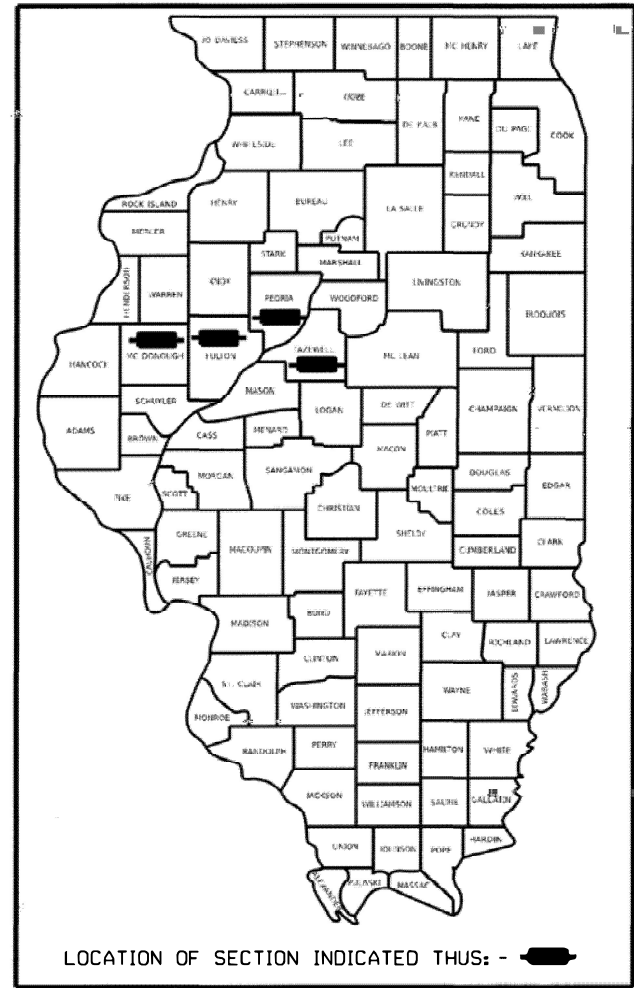
PROPOSED
HIGHWAY PLANS

VARIOUS ROUTES
SECTION: D4 TRAFFIC SIGNALS 2025
VARIOUS COUNTIES
PROJECT: CAR-6014(407)
C-94-075-25



F.A.P. VAR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
D4 TRAFFIC SIGNALS 2025	VARIOUS	ILLINOIS	16	1
CONTRACT NO. 68K26				

D-94-061-25



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 16 2025
Ben Tellefson REGIONAL ENGINEER

June 27 2025
Eric Howald ENGINEER OF DESIGN AND ENVIRONMENT

June 27 2025
Ben Tellefson DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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8	PROPOSED VIDEO DETECTION - UNIVERSITY ST. & I-74 EB RAMPS (PEORIA), UNIVERSITY ST. & I-74 EB RAMPS (PEORIA)
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HIGHWAY STANDARDS	
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH & FOOT
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701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES

NO COMMITMENTS HAVE BEEN MADE IN CONJUNCTION WITH THIS PROJECT.

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CONSTRUCTION NOTES	
1.	EXISTING UTILITY LOCATION INFORMATION IS NOT SHOWN ON THE PLAN SHEETS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES PRIOR TO THE INSTALLATION OF ANY COMPONENTS. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS AND TERRAIN PRIOR TO COMMENCING WORK ON THE PROJECT.
2.	THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
3.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
4.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
5.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
6.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
7.	THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY INVESTIGATE EXISTING FIELD CONDITIONS.
8.	ANY MAINTENANCE OF EXISTING ELECTRICAL FACILITIES WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
9.	ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
10.	THE CONTRACTOR SHALL NOTIFY TONY BRIDSON, IDOT DISTRICT 4 TRAFFIC SIGNAL TECHNICIAN AT (309) 370-7522 A MINIMUM OF 48 HOURS PRIOR TO CAMERA AIMING. THE CONTRACTOR SHALL ADJUST AND AIM THE PROPOSED CAMERAS WHILE THE IDOT REPRESENTATIVE IS ON-SITE OR MONITORING REMOTELY. THE CONTRACTOR SHALL HAVE ALL OF THE CAMERAS INSTALLED AND FUNCTIONAL AT A SITE BEFORE NOTIFYING IDOT TO ARRANGE FINAL AIMING. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED VIDEO DETECTION SYSTEMS.
11.	THE DEPARTMENT WILL PROGRAM ALL CAMERAS AND VIDEO DETECTION SYSTEMS AFTER INSTALLATION.
12.	THE CONTRACTOR SHALL FURNISH AND INSTALL NEW CAT 5 ETHERNET CABLE TO THE PROPOSED CCTV CAMERAS. THE COST OF THIS WORK SHALL BE PAID FOR SEPARATELY AS "CAT 5 ETHERNET CABLE".
13.	THE CONTRACTOR SHALL INSTALL THE PROPOSED CCTV CAMERA BRACKETS ON THE MAST ARTM STRAIN POLES AT THE LOCATIONS SHOWN ON THE PLAN SHEETS. THE CAMERA BRACKET SHALL BE SECURED TO THE STAIN POLE WITH STAINLESS STEEL BANDING. THE CONTRACTOR SHALL INSTALL SET SCREWS AND ADDITIONAL HARDWARE AS NEEDED TO ENSURE THAT THE CAMERA AND CAMERA BRACKET DOES NOT LOOSEN. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CCTV CAMERA.
14.	VIDEO DETECTION CAMERAS SHALL BE INSTALLED ON 5 FT. EXTENSION BRACKETS OR ON EXISTING LUMINAIRE ARMS AS SHOWN ON THE PLANS. VIDEO DETECTION CAMERAS INSTALLED ON 5 FT. BRACKETS SHALL BE INSTALL AT THE CENTER OF EACH APPROACH TO MINIMIZE LEFT TURN OCCLUSION.
15.	THE CONTRACTOR SHALL REMOVE ALL EXISTING VIDEO DETECTION EQUIPMENT AS SHOWN ON THE PLAN SHEETS. ALL EQUIPMENT SHALL BE DELIVERED TO THE IDOT TRAFFIC BUILDING LOCATED AT 1025 W. DETWEILLER DR., PEORIA. THE CONTRACTOR SHALL NOTIFY TONY BRIDSON, IDOT DISTRICT 4 TRAFFIC SIGNAL TECHNICIAN AT (309) 370-7522 A MINIMUM OF FORTY-EIGHT HOURS PRIOR TO EQUIPMENT DELIVERY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED VIDEO DETECTION SYSTEMS.
16.	THE CONTRACTOR SHALL REMOVE ALL EXISTING BATTERY BACKUP EQUIPMENT AS SHOWN ON THE PLAN SHEETS. ALL EQUIPMENT SHALL BE DELIVERED TO THE IDOT TRAFFIC BUILDING LOCATED AT 1025 W. DETWEILLER DR., PEORIA. THE CONTRACTOR SHALL NOTIFY TONY BRIDSON, IDOT DISTRICT 4 TRAFFIC SIGNAL TECHNICIAN AT (309) 370-7522 A MINIMUM OF FORTY-EIGHT HOURS PRIOR TO EQUIPMENT DELIVERY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED BATTERY BACKUP SYSTEMS.

	USER NAME =	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION NOTES				F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - _____	REVISED - _____						VAR	D4 TRAFFIC SIGNALS 2025		VARIOUS	16	3
		CHECKED - _____	REVISED - _____						CONTRACT NO. 68K26					
	PLOT DATE = 1/7/2025	DATE - _____	REVISED - _____		SCALE: _____		SHEET _ OF _ SHEETS	STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES															
PAY ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.	FULTON COUNTY	MCDONOUGH COUNTY	PEORIA COUNTY					TAZEWELL COUNTY				
				CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 20% STATE URBAN CAR FLEX	CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 20% STATE URBAN CAR FLEX	CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 20% STATE URBAN CAR >200,000	CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 13.3% STATE 6.7% CHILLICOTHE URBAN CAR >200,000	CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 10% STATE 10% CHILLICOTHE URBAN CAR >200,000	CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 13.3% STATE 6.7% PEORIA URBAN CAR >200,000	CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 20% STATE URBAN CAR >200,000	CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 10% STATE 10% CREVE COEUR URBAN CAR >200,000	CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 10% STATE 20% EAST PEORIA URBAN CAR >200,000	CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 0% STATE 20% EAST PEORIA URBAN CAR >200,000	CONST. TYPE CODE 0021 VARIOUS ROUTES 80% FEDERAL 10% STATE 10% MORTON URBAN CAR >200,000	
67100100	MOBILIZATION	L SUM	1.0	0.04	0.04	0.40	0.02	0.03	0.02	0.26	0.09	0.03	0.03	0.02	0.02
X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	4.0	2.0	1.0	1.0									
X0326812	CAT 5 ETHERNET CABLE	FOOT	724.0	379.0	198.5	146.5									
X0327206	DATA SERVER	L SUM	1.0			1.0									
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1.0	0.04	0.04	0.40	0.02	0.03	0.02	0.26	0.09	0.03	0.03	0.02	0.02
X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2.0		1.0	1.0									
X8891011	VIDEO VEHICLE DETECTION SYSTEM, 3 CAMERA	EACH	9.0			9.0									
Z0033068	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	34.0			8.0	1.0	2.0	1.0	12.0	4.0	2.0	2.0	1.0	1.0

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Z0033068 TRAFFIC SIGNAL BATTERY BACKUP SYSTEM				
COUNTY	CITY	LOCATION	MAINT % STATE/CITY	QTY.
PEORIA	CHILLICOTHE	IL 29 (FOURTH ST.) & CLOVERDALE RD.	90/10	1.0
PEORIA	CHILLICOTHE	IL 29 (FOURTH ST.) & WALNUT ST.	90/10	1.0
PEORIA	CHILLICOTHE	IL 29 (FOURTH ST.) & TRUITT RD.	93.3/6.7	1.0
PEORIA	PEORIA	US 150 (WAR MEMORIAL DR.) & ALLEN RD./CHARTER OAK RD.	100/0	1.0
PEORIA	PEORIA	US 150 (WAR MEMORIAL DR.) & B/G HOLLOW RD./WILLOW KNOLLS RD.	90/10	1.0
PEORIA	PEORIA	US 150 (WAR MEMORIAL DR.) & IL 6 NB RAMPS	100/0	1.0
PEORIA	PEORIA	US 150 (WAR MEMORIAL DR.) & IL 91/SUMMERSHADE CIRCLE	100/0	1.0
PEORIA	PEORIA	US 150 (WAR MEMORIAL DR.) & KOERNER RD./TRIGGER RD.	100/0	1.0
PEORIA	PEORIA	US 150 (WAR MEMORIAL DR.) & PROSPECT RD.	90/10	1.0
PEORIA	PEORIA	US 150 (WAR MEMORIAL DR.) & SHERIDAN RD.	90/10	1.0
PEORIA	PEORIA	US 150 (WAR MEMORIAL DR.) & UNIVERSITY ST.	100/0	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & ALTA RD./FRONTAGE RD.	90/10	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & CEDAR HILLS RD.	100/0	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & DETWEILLER DR.	90/10	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & DONOVAN RD./JUNCTION CITY	90/10	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & FORREST HILL RD.	90/10	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & GLEN AVE.	90/10	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & IL 6 NB RAMPS	100/0	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & LAKE ST.	90/10	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & MOSSVILLE RD./WILHELM RD.	90/10	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & PIONEER PKWY.	93.3/6.7	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & PROSPECT RD.	90/10	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & SHERIDAN RD./GILES LN.	90/10	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & SPALDING AVE./GLEN OAK AVE.	100/0	1.0
TAZEWELL	CREVE COEUR	IL 29 (MAIN ST.) & FISCHER RD./LOCKVIEW RD.	90/10	1.0
TAZEWELL	CREVE COEUR	IL 29 (MAIN ST.) & HIGHLAND ST./RUSCHE ST.	90/10	1.0
TAZEWELL	EAST PEORIA	IL 116 (MAIN ST.) & BLACKJACK BLVD.	80/20	1.0
TAZEWELL	EAST PEORIA	IL 116 (MAIN ST.) & HIGHVIEW RD./ACCESS RD. 4	90/10	1.0
TAZEWELL	EAST PEORIA	IL 116 (MAIN ST.) & MARINERS WAY/ACCESS RD. 6	90/10	1.0
TAZEWELL	MORTON	N. MORTON AVE. & I-74 EB RAMPS	100/0	1.0
TAZEWELL	MORTON	US 150 (JACKSON ST.) & N. MORTON AVE.	100/0	1.0
TAZEWELL	MORTON	US 150 (JACKSON ST.) & DETROIT AVE./COMMERICAL ENTRANCE	90/10	1.0
TAZEWELL	NORTH PEKIN	IL 29 (MAIN ST.) & IL 98 (EDGEWATER DR.)	100/0	1.0
TAZEWELL	NORTH PEKIN	IL 98 (EDGEWATER DR.) & PARKWAY DR.	100/0	1.0
TOTAL				34.0

X8891009 VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH				
COUNTY	CITY	LOCATION	MAINT % STATE/CITY	QTY.
MCDONOUGH	MACOMB	US 67 (LAFAYETTE ST.) & US 136 (CALHOUN ST.)	100/0	1.0
PEORIA	PEORIA	UNMARKED (SPALDING AVE.) & I-74 WB RAMPS/GREENLEAF ST.	100/0	1.0
TOTAL				2.0

X8891011 VIDEO VEHICLE DETECTION SYSTEM, 3 CAMERA				
COUNTY	CITY	LOCATION	MAINT % STATE/CITY	QTY.
PEORIA	BARTONVILLE	US 24 (ADAMS ST.) & I-474 EB RAMPS	100/0	1.0
PEORIA	PEORIA	GALE AVE. & I-74 EB RAMPS	100/0	1.0
PEORIA	PEORIA	GALE AVE. & i-74 WB RAMPS	100/0	1.0
PEORIA	PEORIA	STERLING AVE. & I-74 EB RAMPS	100/0	1.0
PEORIA	PEORIA	STERLING AVE. & I-74 WB RAMPS	100/0	1.0
PEORIA	PEORIA	UNIVERSITY ST. & I-74 EB RAMPS	100/0	1.0
PEORIA	PEORIA	UNIVERSITY ST. & I-74 WB RAMPS	100/0	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & IL 6 NB RAMPS	100/0	1.0
PEORIA	PEORIA	IL 40 (KNOXVILLE AVE.) & IL 6 SB RAMPS	100/0	1.0
TOTAL				9.0

X0320023 CLOSED CIRCUIT TELEVISION DOME CAMERA, HD				
COUNTY	CITY	LOCATION	MAINT % STATE/CITY	QTY.
FULTON	CANTON	IL 78 (MAIN ST.) & SYCAMORE TERRACE	100/0	1.0
FULTON	CANTON	IL 78 (MAIN ST.) & VINE ST.	100/0	1.0
MCDONOUGH	MACOMB	US 136 (CALHOUN ST.) & CAMPBELL ST.	100/0	1.0
PEORIA	PEORIA	US 150 (WAR MEMORIAL DR.) & ORANGE PRAIRIE RD.	100/0	1.0
TOTAL				4.0

X0326812 CAT 5 ETHERNET CABLE				
COUNTY	CITY	LOCATION	MAINT % STATE/CITY	QTY.
FULTON	CANTON	IL 78 (MAIN ST.) & SYCAMORE TERRACE	100/0	163.5
FULTON	CANTON	IL 78 (MAIN ST.) & VINE ST.	100/0	215.5
MCDONOUGH	MACOMB	US 136 (CALHOUN ST.) & CAMPBELL ST.	100/0	198.5
PEORIA	PEORIA	US 150 (WAR MEMORIAL DR.) & ORANGE PRAIRIE RD.	100/0	146.5
TOTAL				724.0

	USER NAME =	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - _____	REVISED - _____						VAR	D4 TRAFFIC SIGNALS 2025	VARIOUS	16	5
		CHECKED - _____	REVISED - _____						CONTRACT NO. 68K26				
	PLOT DATE = 1/7/2025	DATE - _____	REVISED - _____		SCALE: _____		SHEET _ OF _ SHEETS	STA. _____	TO STA. _____	ILLINOIS FED. AID PROJECT			



REMOVE EX. ITERIS CAMERAS (QTY. 3) AND DISPOSE OFFSITE.
REMOVE EX. GRIDSMART CAMERA AND BRACKET AND DELIVER TO IDOT TRAFFIC BUILDING



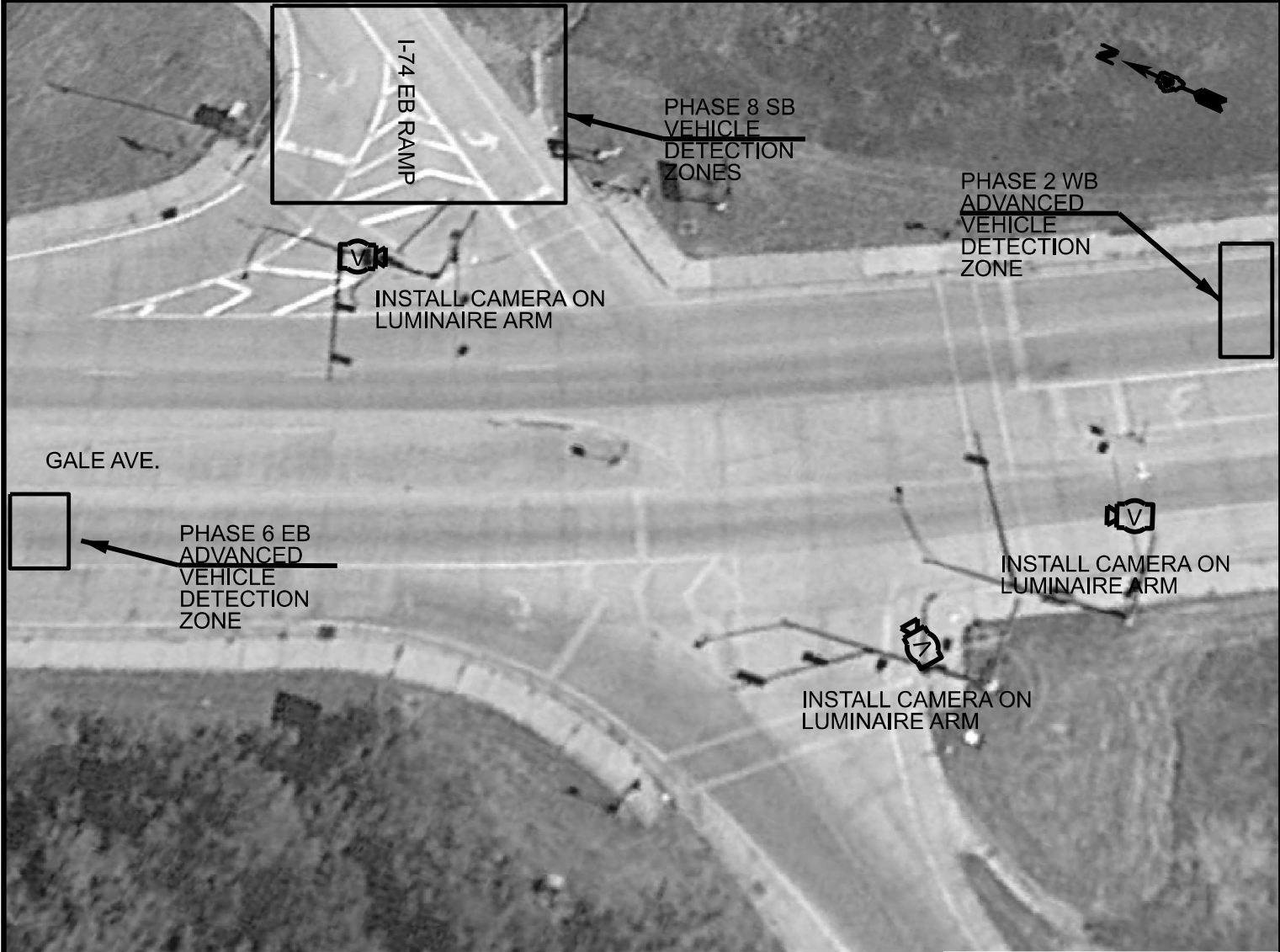
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BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1.0

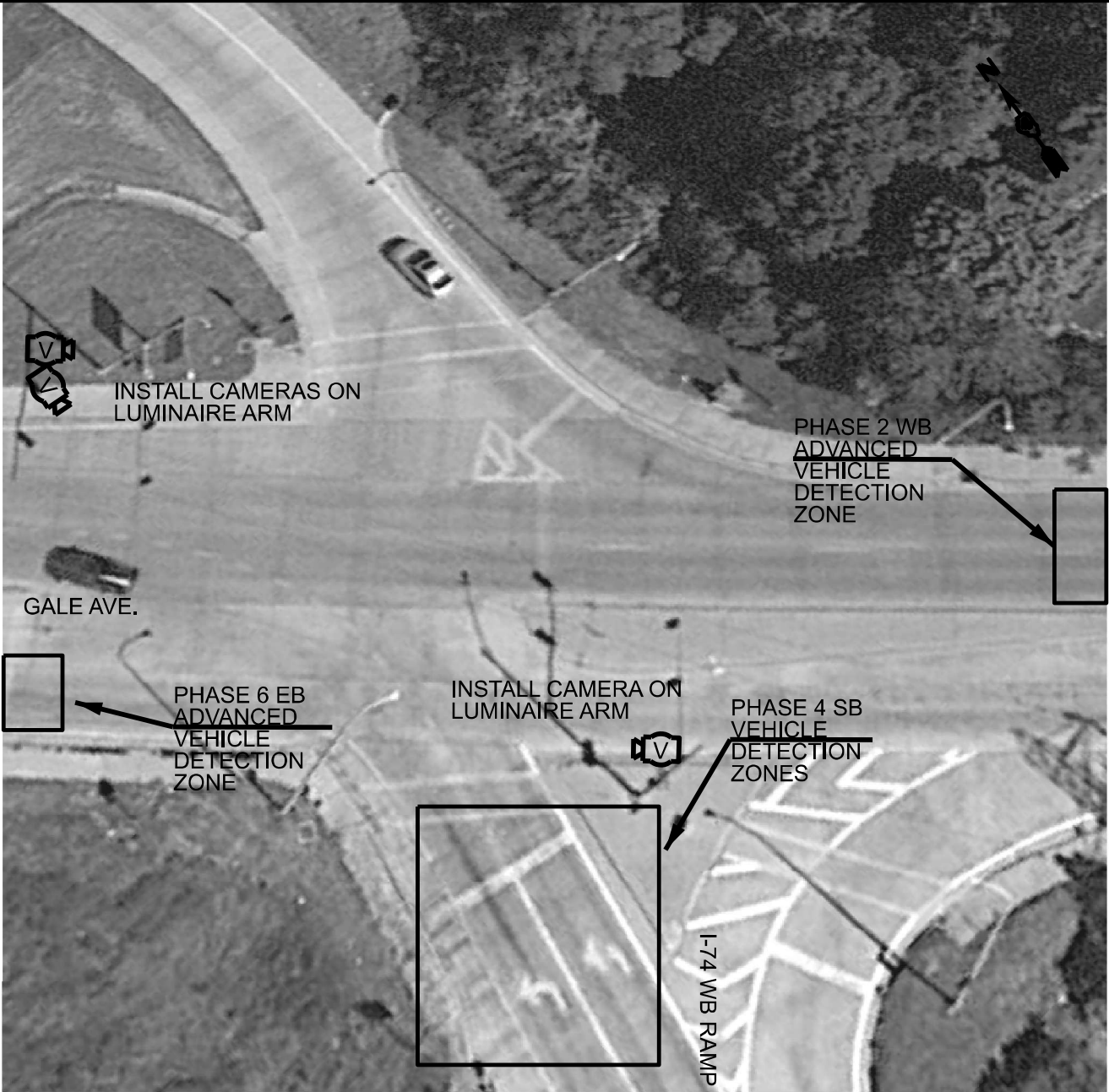
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		DRAWN -_____	REVISED -_____			VAR	D4 TRAFFIC SIGNALS 2025	VARIOUS	16	6	
		CHECKED -_____	REVISED -_____			CONTRACT NO. 68K26					
	PLOT DATE = 1/7/2025	DATE -_____	REVISED -_____			SCALE: _____		SHEET OF SHEETS		STA. TO STA.	
								ILLINOIS	FED. AID PROJECT		



REMOVE EX. AUTOSCOPE CAMERAS (QTY. 2) AND DISPOSE OFFSITE.
REMOVE EX. GRIDSMART CAMERA AND BRACKET AND DELIVER TO IDOT TRAFFIC BUILDING



REMOVE EX. AUTOSCOPE CAMERAS (QTY. 3) AND DISPOSE OFFSITE.
REMOVE EX. GRIDSMART CAMERA AND BRACKET AND DELIVER TO IDOT TRAFFIC BUILDING

BILL OF MATERIALS

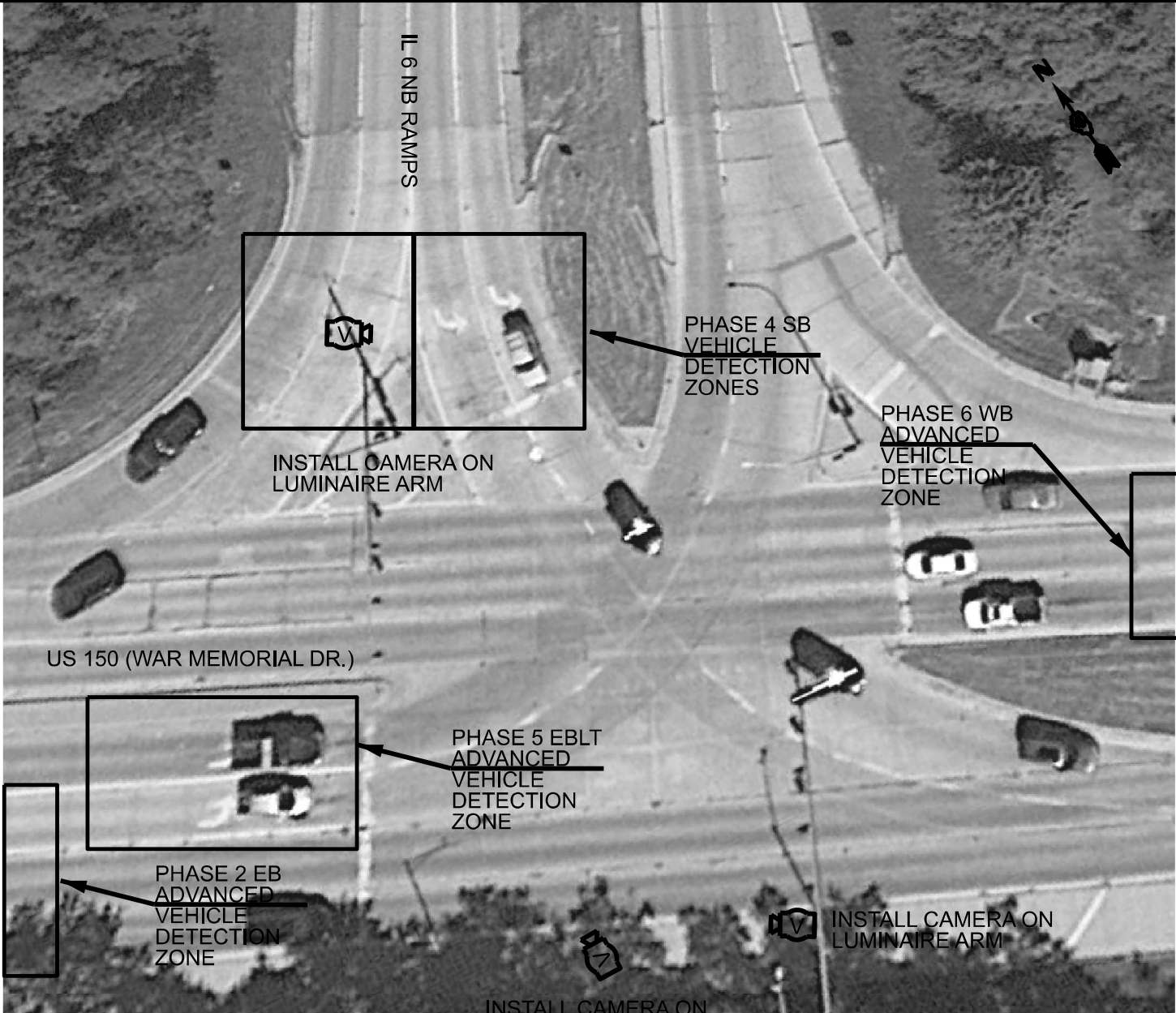
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VIDEO VEHICLE DETECTION SYSTEM, 3 CAMERA	EACH	2.0

NOT TO SCALE

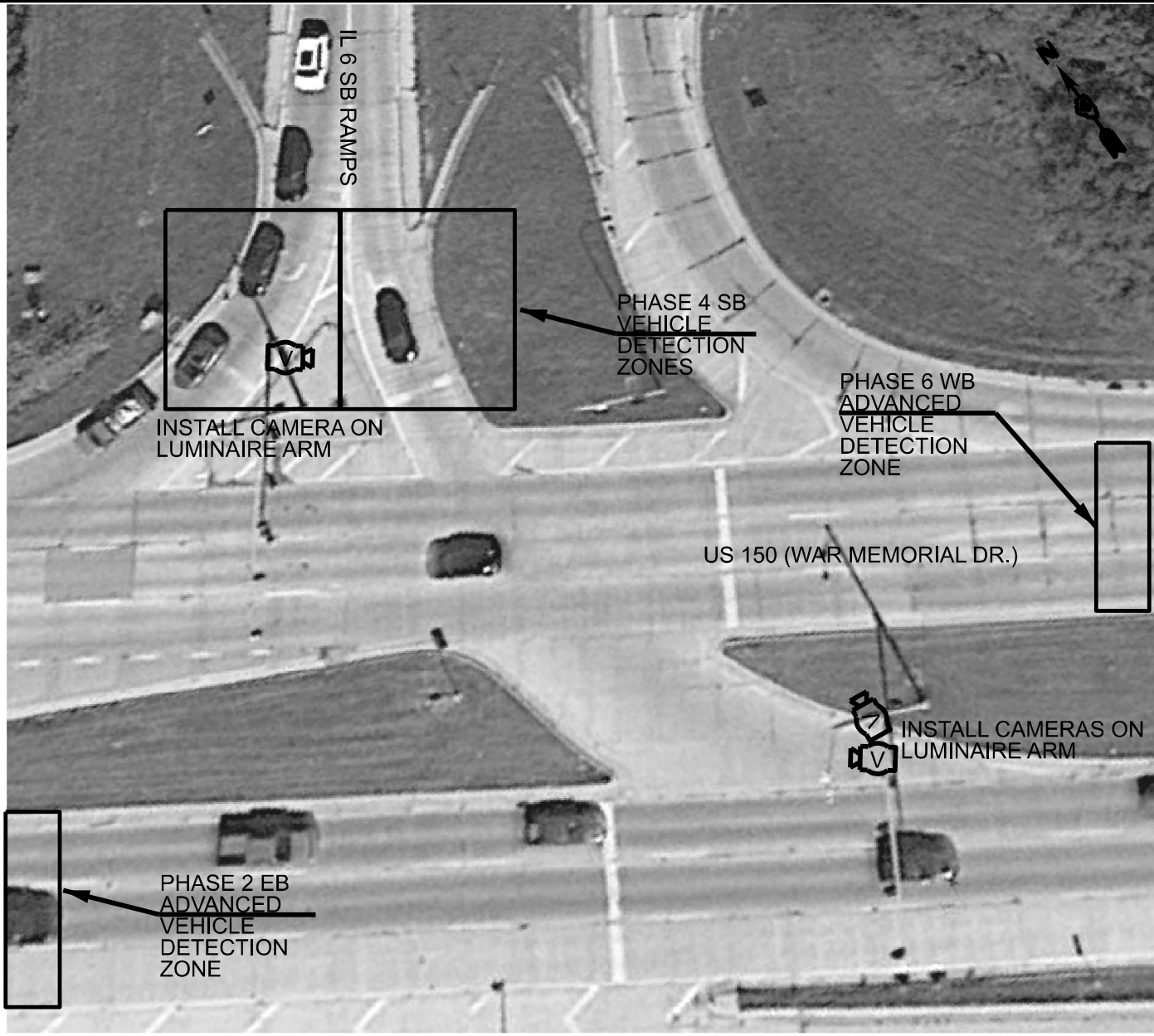
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	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED VIDEO DETECTION SYSTEM INSTALLATION GALE AVE. & I-74 EB RAMPS GALE AVE. & I-74 WB RAMPS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					VAR	D4 TRAFFIC SIGNALS 2025	VARIOUS	16	9
		CHECKED -	REVISED -					CONTRACT NO. 68K26				
	PLOT DATE = 1/7/2025	DATE -	REVISED -					SCALE: SHEET OF SHEETS STA. TO STA.				

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REMOVE EX. AUTOSCOPE CAMERAS (QTY. 3) AND DISPOSE OFFSITE.
REMOVE EX. GRIDSMART CAMERA AND BRACKET AND DELIVER TO IDOT TRAFFIC BUILDING



REMOVE EX. AUTOSCOPE CAMERAS (QTY. 3) AND DISPOSE OFFSITE.
REMOVE EX. GRIDSMART CAMERA AND BRACKET AND DELIVER TO IDOT TRAFFIC BUILDING

BILL OF MATERIALS

ITEM DESCRIPTION	UNIT	TOTAL QTY.
VIDEO VEHICLE DETECTION SYSTEM, 3 CAMERA	EACH	2.0

NOT TO SCALE

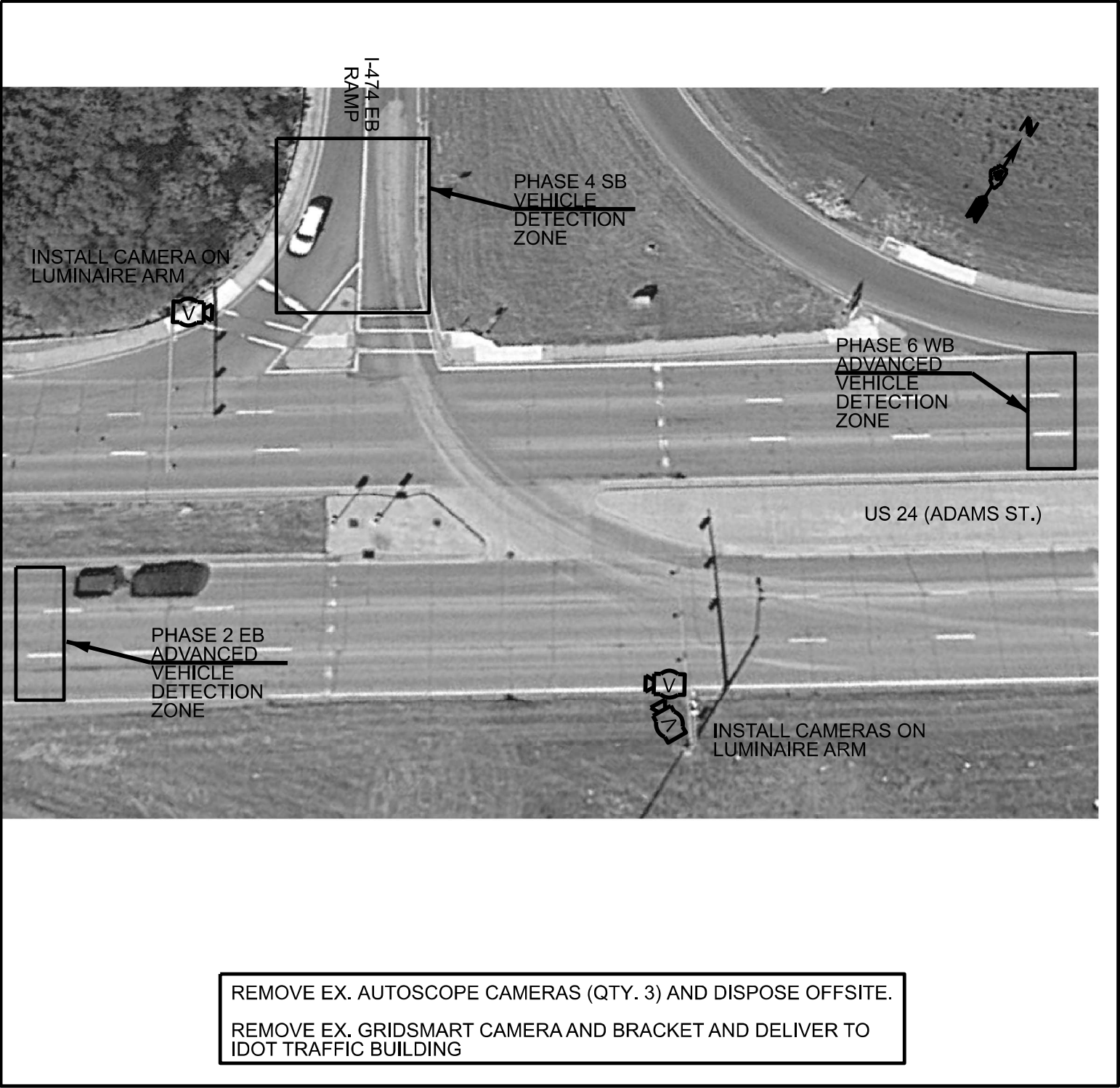
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED VIDEO DETECTION SYSTEM INSTALLATION
US 150 (WAR MEMORIAL DR.) & IL 6 NB RAMPs
US 150 (WAR MEMORIAL DR.) & IL 6 SB RAMPs

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D4 TRAFFIC SIGNALS 2025	VARIOUS	16	10
CONTRACT NO. 68K26				
ILLINOIS FED. AID PROJECT				



REMOVE EX. AUTOSCOPE CAMERAS (QTY. 3) AND DISPOSE OFFSITE.
REMOVE EX. GRIDSMART CAMERA AND BRACKET AND DELIVER TO
IDOT TRAFFIC BUILDING

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
VIDEO VEHICLE DETECTION SYSTEM, 3 CAMERA	EACH	1.0

NOT TO SCALE

MODEL: Default
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	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED VIDEO DETECTION SYSTEM INSTALLATION US 24 (ADAMS ST.) & I-474 EB RAMPS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					VAR	D4 TRAFFIC SIGNALS 2025	VARIOUS	16	11
		CHECKED -	REVISED -					CONTRACT NO. 68K26				
	PLOT DATE = 1/7/2025	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____	TO STA. _____					

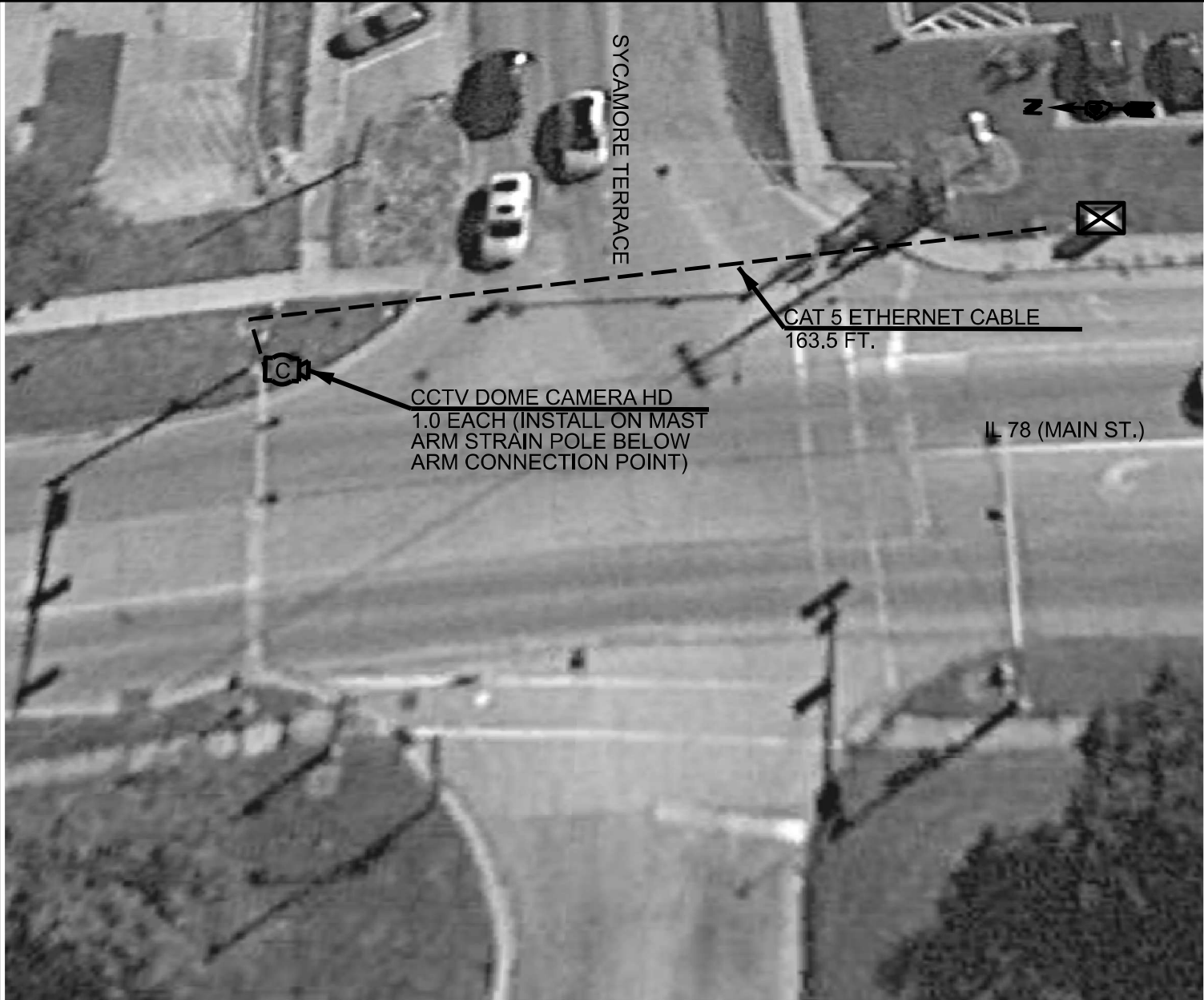
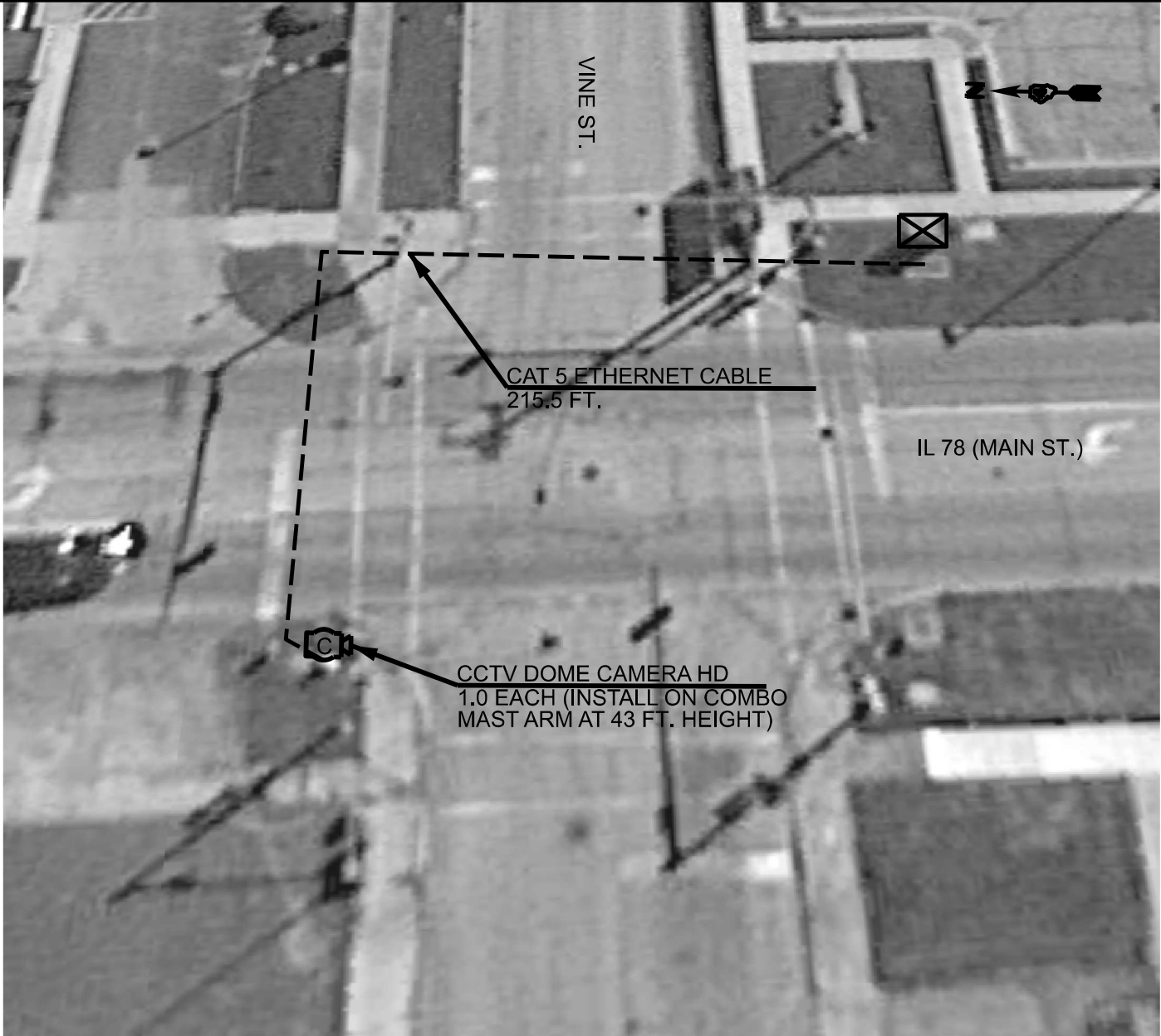


BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	2.0
CAT 5 ETHERNET CABLE	FOOT	345.0

NOT TO SCALE

MODEL: Default
FILE NAME: c:\pwwork\dwg\hanson\0939664\Signals Complete.dgn

	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CCTV INSTALLTION US 67 (LAFAYETTE AVE.) & US 136 (CALHOUN ST.) US 150 (WAR MEMORIAL DR.) & ORANGE PRAIRIE RD.	SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR	D4 TRAFFIC SIGNALS 2025	VARIOUS	16	12
		CHECKED -	REVISED -						CONTRACT NO. 68K26				
	PLOT DATE = 1/7/2025	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

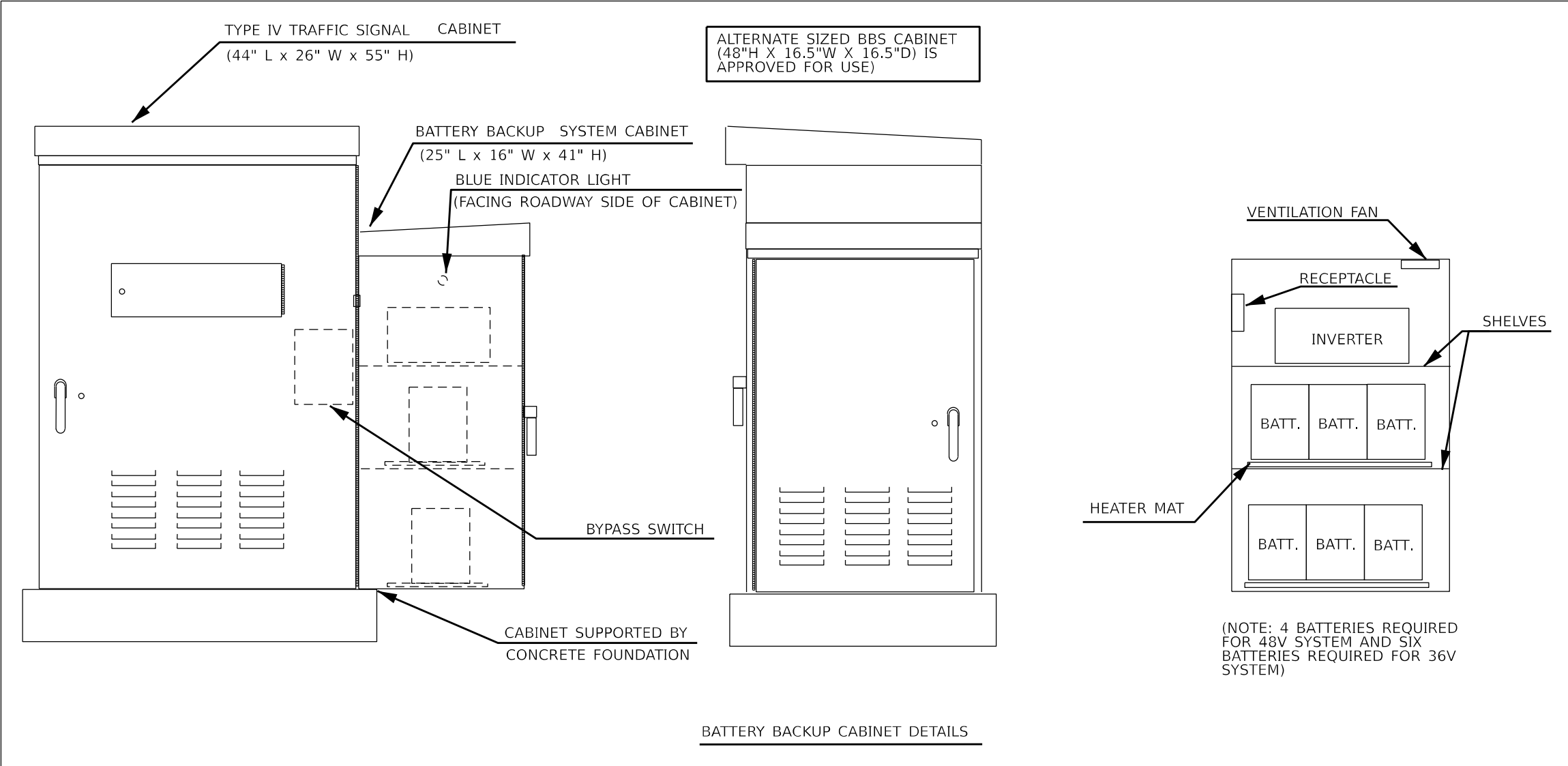


BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	2.0
CAT 5 ETHERNET CABLE	FOOT	379.0

NOT TO SCALE

MODEL: Default
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	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CCTV INSTALLTION IL 78 (MAIN ST.) & VINE ST. IL 78 (MAIN ST.) & SYCAMORE TERRACE	SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR	D4 TRAFFIC SIGNALS 2025	VARIOUS	16	13
		CHECKED -	REVISED -						CONTRACT NO. 68K26				
	PLOT DATE = 1/7/2025	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



NOTES

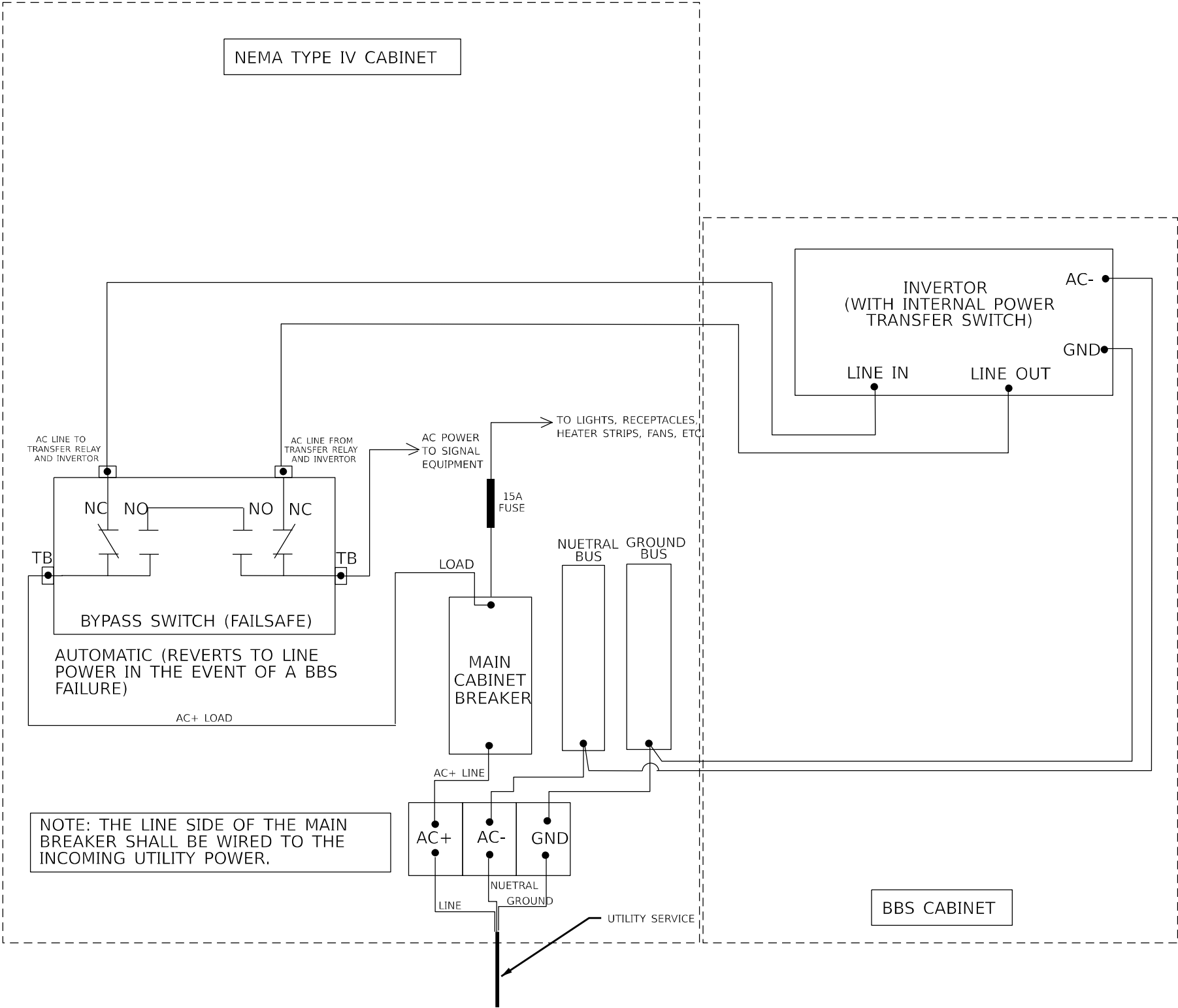
- 1. THE BATTERY BACKUP SYSTEM CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 41" (H) X 25" (W) X 16" (D). THE CABINET SHALL BE EQUIPPED WITH A THREE POINT LATCHING MECHANISM, TWO SHELVES, THERMOSTATICALLY CONTROLLED VENTILATION FAN, AND A POWER RECEPTACLE. THE CABINET SHALL BE MOUNTED TO THE SIDE OF THE PROPOSED TYPE IV CABINET WITH THE BOTTOM OF THE CABINET SUPPORTED BY THE CONCRETE FOUNDATION.
- 2. ALL CABINET LIGHTS, HEATER STRIPS, VENTILATION FANS, AND SERVICE RECEPTACLES SHALL BE BYPASSED WHEN THE BATTERY BACKUP UNIT IS OPERATING IN BATTERY MODE.
- 3. THE BATTERY BACKUP UNITS CONTACTS SHALL BE WIRED TO PROVIDE LOCAL CONTROLLER ALARMS (AS AVAILABLE IN THE PROPOSED CABINETS).
- 4. THE BYPASS SWITCH SHALL BE AUTOMATIC AND SHALL BE INSTALLED IN THE BBS CABINET.

NOT TO SCALE

MODEL: Default
FILE NAME: c:\pwwork\dwg\hanson\00939664\SIGNALS Complete.dgn

	USER NAME =		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BATTERY BACKUP SYSTEM CABINET DETAIL			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		REVISED -	REVISED -					VAR	D4 TRAFFIC SIGNALS 2025	VARIOUS	16	14
	CHECKED -		REVISED -	REVISED -					CONTRACT NO. 68K26				
	PLOT DATE = 1/7/2025		DATE -	REVISED -		SCALE: _____	SHEET _	OF _ SHEETS	STA. _____	TO STA. _____	ILLINOIS FED. AID PROJECT		

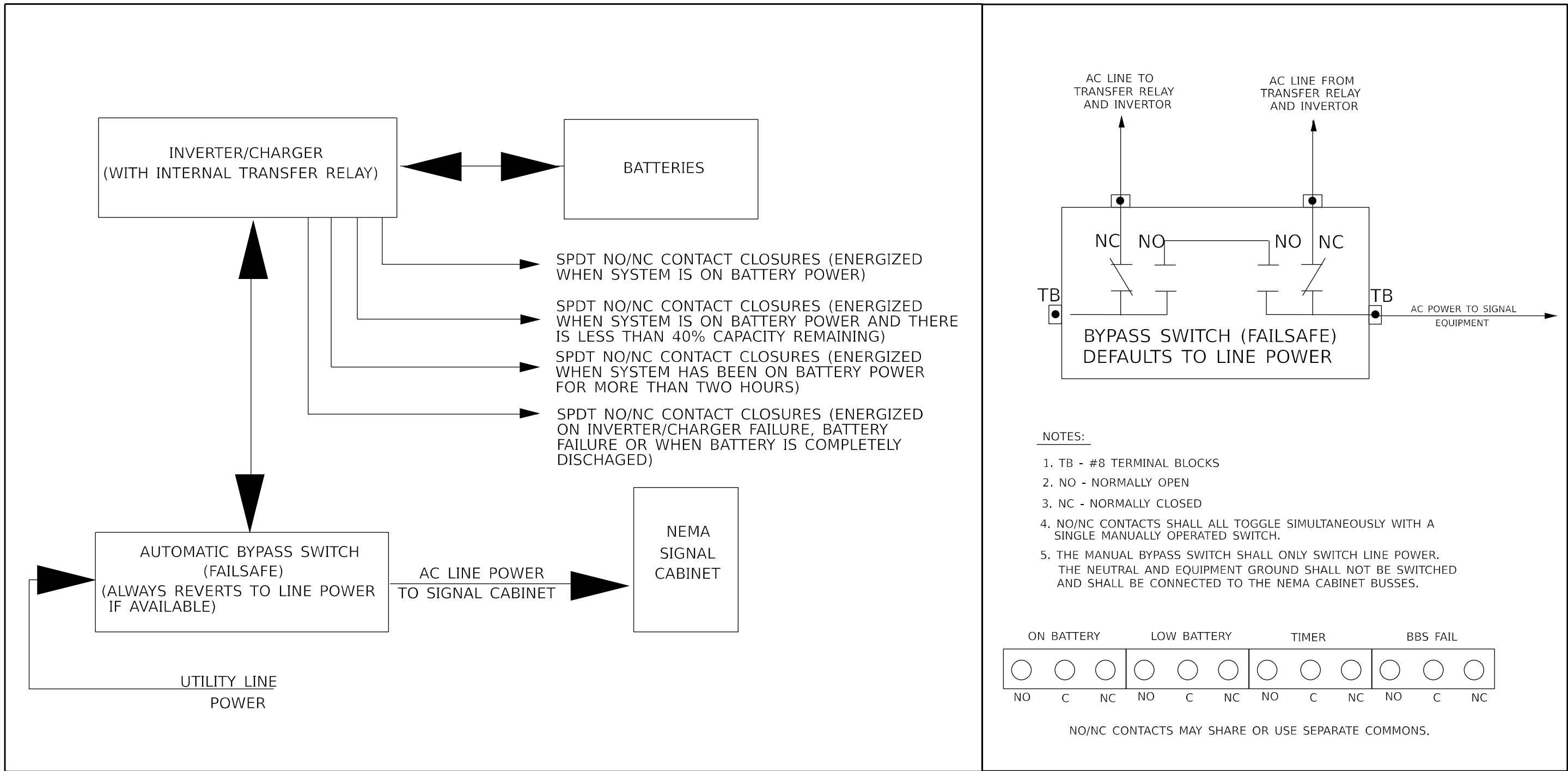
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NOT TO SCALE

	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BATTERY BACKUP SYSTEM CABINET WIRING DIAGRAM	SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR	D4 TRAFFIC SIGNALS 2025	VARIOUS	16	15
		CHECKED -	REVISED -						CONTRACT NO. 68K26				
	PLOT DATE = 1/7/2025	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: c:\pwwork\dwg\hanson\0939664\SIGNALS Complete.dgn



NOTES:

1. TB - #8 TERMINAL BLOCKS
2. NO - NORMALLY OPEN
3. NC - NORMALLY CLOSED
4. NO/NC CONTACTS SHALL ALL TOGGLE SIMULTANEOUSLY WITH A SINGLE MANUALLY OPERATED SWITCH.
5. THE MANUAL BYPASS SWITCH SHALL ONLY SWITCH LINE POWER. THE NEUTRAL AND EQUIPMENT GROUND SHALL NOT BE SWITCHED AND SHALL BE CONNECTED TO THE NEMA CABINET BUSSES.

ON BATTERY			LOW BATTERY			TIMER			BBS FAIL		
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NO	C	NC	NO	C	NC	NO	C	NC	NO	C	NC

NO/NC CONTACTS MAY SHARE OR USE SEPARATE COMMONS.

NOT TO SCALE

	USER NAME =_____	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BATTERY BACKUP SYSTEM BLOCK AND BYPASS SWITCH DIAGRAMS				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - _____	REVISED - _____						VAR	D4 TRAFFIC SIGNALS 2025	VARIOUS	16	16
		CHECKED - _____	REVISED - _____						CONTRACT NO. 68K26				
	PLOT DATE = 1/7/2025	DATE - _____	REVISED - _____		SCALE: _____				SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____
					ILLINOIS FED. AID PROJECT								