

06-14-2024 LETTING ITEM 042

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 ITS 2024	VARIOUS	16	1
		ILLINOIS	CONTRACT NO. 68J11	

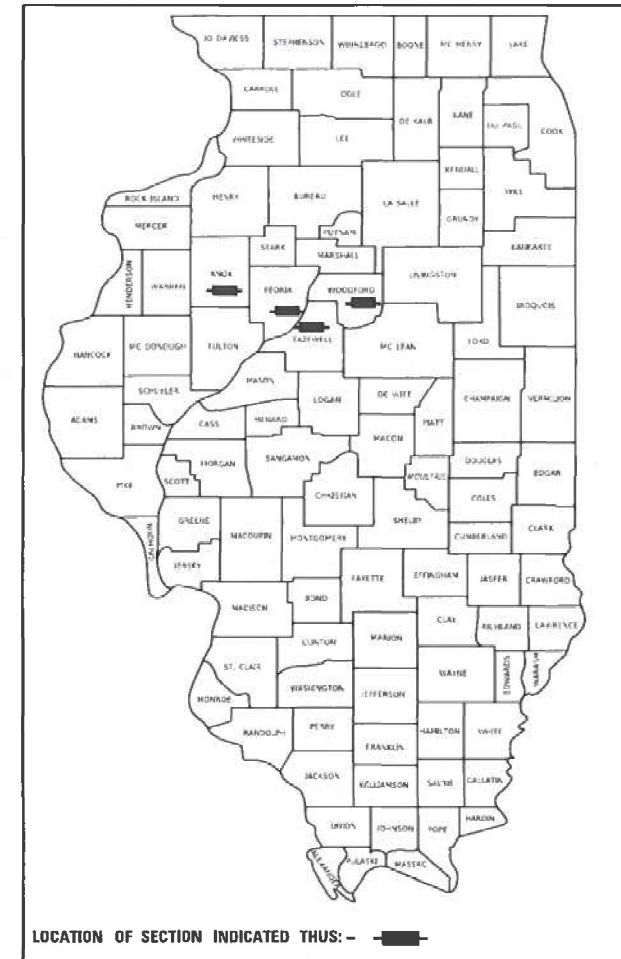
D-94-035-24

INDEX OF SHEETS:
SEE SHEET 2 FOR INDEX OF SHEETS

PROPOSED HIGHWAY PLANS

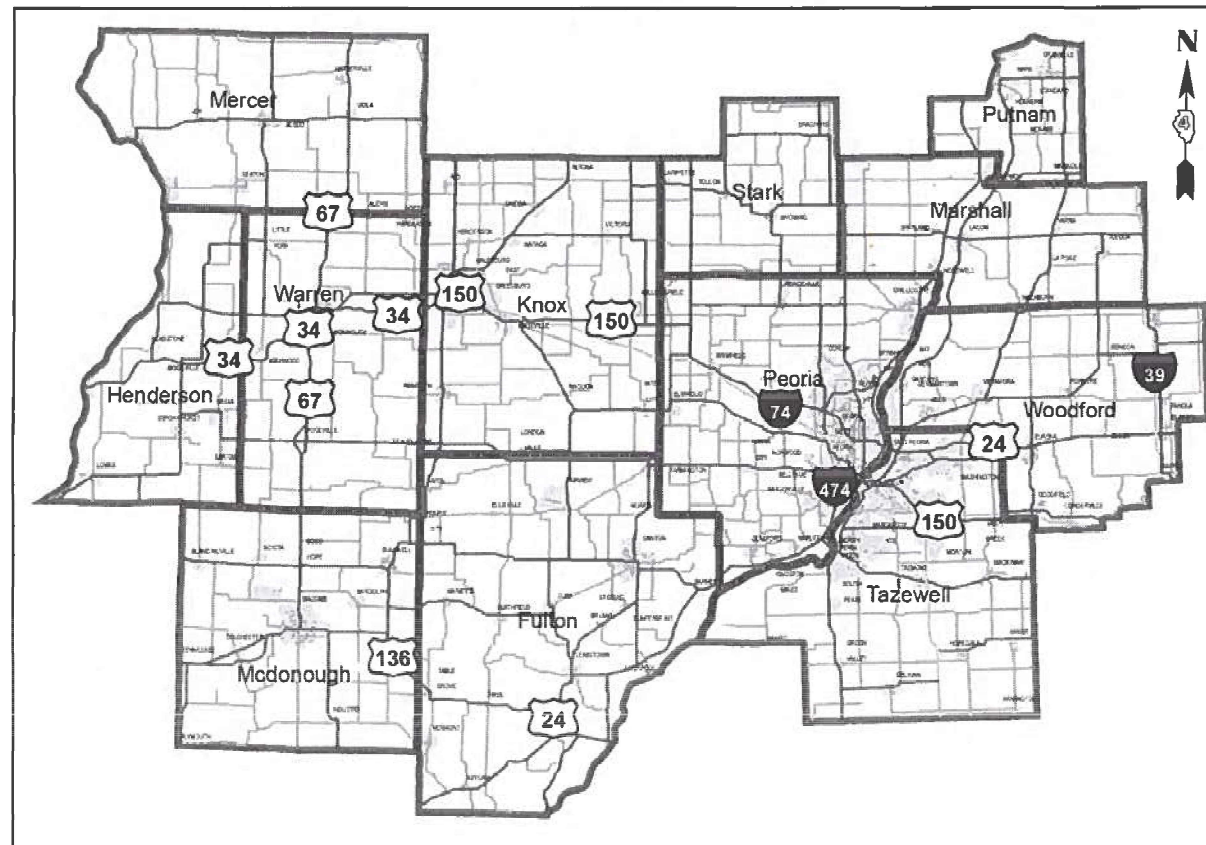
VARIOUS ROUTES
SECTION: D4 ITS 2024
VARIOUS COUNTIES

C-94-055-24



HIGHWAY STANDARDS:
SEE SHEET 2 FOR A LIST OF
APPLICABLE HIGHWAY STANDARDS

PROJECT DESCRIPTION:
REPLACE TRAFFIC SIGNAL
EQUIPMENT AT VARIOUS LOCATIONS
WITHIN DISTRICT 4.



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

PROJECT ENGINEER : TREVOR HANSON (309) 671-4474
PROJECT MANAGER : ERIC HOWALD (309) 671-4481
CATALOG NO. 036501-00D
CONTRACT NO. 68J11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 19 2024
Tom A. James
REGIONAL ENGINEER

May 10, 2024 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

NO COMMITMENTS HAVE BEEN MADE IN CONJUNCTION WITH THIS PROJECT.

INDEX OF SHEETS	
SHEET	DESCRIPTION
1	COVER SHEET
2	COMMITMENTS, INDEX OF SHEETS, HIGHWAY STANDARDS, AND TRAFFIC SIGNAL CONSTRUCTION STAGING NOTES
3	CONSTRUCTION NOTES
4	SUMMARY OF QUANTITIES
5	SCHEDULE OF QUANTITIES
6 - 14	TRAFFIC SIGNAL PHASE DIAGRAMS
15	PROPOSED CCTV CAMERA LOCATIONS
16	PROPOSED VIDEO DETECTION LOCATIONS

HIGHWAY STANDARDS	
STANDARD	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
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
701901-09	TRAFFIC CONTROL DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
878001-11	CONCRETE FOUNDATION DETAILS

TRAFFIC SIGNAL CONSTRUCTION STAGING NOTES	
1.	THE CONTRACTOR WILL BE ALLOWED TO PLACE THE INTERSECTION INTO ALL-RED FLASH MODE TO FACILITATE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL MAST ARMS, POSTS, SIGNAL HEADS, ELECTRICAL CABLE AND OTHER COMPONENTS.
2.	THE CONTRACTOR SHALL FURNISH AND INSTALL A MINIMUM OF TWO STOP SIGNS PER APPROACH WHEN THE INTERSECTION IS OPERATING IN ALL-RED FLASH MODE. THE TRAFFIC SIGNALS MAY BE PLACED INTO ALL-RED FLASH MODE BETWEEN THE HOURS OF 8:30AM AND 3:00PM ONLY.
3.	THE CONTRACTOR SHALL RESTORE THE TRAFFIC SIGNALS TO NORMAL OPERATION AT ALL OTHER TIMES, UNLESS SPECIFICALLY DIRECTED OTHERWISE BY THE ENGINEER.
4.	THE CONTRACTOR WILL BE ALLOWED TO PLACE THE INTERSECTION INTO FLASH FOR A MAXIMUM OF FIVE DAYS PER EACH LOCATION.
5.	THE CONTRACTOR WILL BE ALLOWED TO MAKE TEMPORARY SPLICES AS NEEDED TO FACILITATE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL EQUIPMENT.
6.	ALL COSTS (LABOR, MATERIALS, AND EQUIPMENT) ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID PRICE FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)." THERE WILL BE NO ADDITIONAL COMPENSATION FOR ITEMS REQUIRED TO IMPLEMENT STAGING, INCLUDING, BUT NOT LIMITED TO, TEMPORARY CABLE SPLICES, TEMPORARY

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COMMITMENTS, INDEX OF SHEETS, HIGHWAY STANDARDS,
AND TRAFFIC SIGNAL CONSTRUCTION STAGING NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 ITS 2024		VARIOUS	16
			CONTRACT NO. 68111	
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES	
1.	THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
2.	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.
3.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
4.	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.
5.	THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
6.	ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
7.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
8.	THE CONTRACTOR SHALL REMOVE THE EXISTING BBS, PHOTOCCELL RELAY, DETECTION EQUIPMENT, CCTV EQUIPMENT, COMMUNICATIONS EQUIPMENT, EMERGENCY VEHICLE PREEMPTION EQUIPMENT, ETC. AND RE-INSTALL WITH PROPOSED CABINET. THE CONTRACTOR SHALL VERIFY THAT ALL EXISTING EQUIPMENT FUNCTIONS PROPERLY AFTER RE-INSTALLATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED TRAFFIC SIGNAL CABINET.
9.	REMOVAL OF EXISTING TRAFFIC SIGNAL ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICES OF THE PROPOSED ITEMS.
10.	THE CONTRACTOR SHALL VERIFY EXISTING CABINET PHASING, PREEMPTION, AND DETECTION PRIOR TO RELEASING THE PROPOSED CABINETS FOR PRODUCTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED TRAFFIC SIGNAL CABINET.
11.	THE EXISTING TRAFFIC SIGNAL CONTROLLERS WILL BE USED IN THE PROPOSED TRAFFIC SIGNAL CABINETS. UPON REQUEST, THE DEPARTMENT WILL FURNISH CONTROLLERS FOR USE DURING CABINET SET UP AND TESTING PRIOR TO INSTALLATION IN THE FIELD.
12.	THE CONTRACTOR SHALL RELOCATE THE EXISTING ITS CABINETS FROM THE EXISTING SIGNAL CABINETS TO THE PROPOSED SIGNAL CABINETS AT WASHINGTON ST. & CASS ST., WASHINGTON ST. & SOUTH ST., AND WASHINGTON ST. & EDMUND ST. IN PEORIA. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED TRAFFIC SIGNAL CABINETS.
13.	ALL CCTV CAMERAS SHALL BE INSTALLED AT A MOUNTING HEIGHT OF 43 FT FOR ALL COMBINATION STRAIN POLE INSTALLATIONS AND 20 FT. FOR NON-COMBINATION STRAIN POLE INSTALLATIONS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 ITS 2024	VARIOUS	16	3
			CONTRACT NO. 68111	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES				KNOX COUNTY	PEORIA COUNTY								TAZEWELL COUNTY				WOODFORD COUNTY
				CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE	CONST. TYPE
				CODE 0021	CODE 0021	CODE 0021	CODE 0021	CODE 0021	CODE 0021	CODE 0021	CODE 0021	CODE 0021	CODE 0021	CODE 0021	CODE 0021	CODE 0021	CODE 0021
				90% STATE	100% STATE	100% STATE	93.3% STATE	90% STATE	80% STATE	100% STATE	100% STATE	90% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
				10% GALESBURG	0% BARTONVILLE	0% PEORIA	6.7% PEORIA	10% PEORIA	20% PEORIA	0% PEORIA COUNTY	0% EAST PEORIA	10% EAST PEORIA	0% PEKIN	0% WASHINGTON	0% GOODFIELD		
ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.	ITS/ SIGNALS	ITS/ SIGNALS	ITS/ SIGNALS	ITS/ SIGNALS	ITS/ SIGNALS	ITS/ SIGNALS	ITS/ SIGNALS	ITS/ SIGNALS	ITS/ SIGNALS	ITS/ SIGNALS	ITS/ SIGNALS			
67100100	MOBILIZATION	L SUM	1.0			1.0											
86300400	CONTROLLER CABINET TYPE IV	EACH	50.0	4.0	2.0	16.0	3.0	16.0	2.0	1.0	1.0	1.0	1.0	2.0	1.0		
89502215	MODIFY EXISTING CONTROLLER FOUNDATION	EACH	7.0			1.0		6.0									
X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	4.0			4.0											
X0326812	CAT 5 ETHERNET CABLE	FOOT	428.0			428.0											
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0			1.0											
X8891010	VIDEO VEHICLE DETECTION SYSTEM, 2 CAMERA	EACH	3.0					3.0									
X8891013	VIDEO VEHICLE DETECTION SYSTEM, 4 CAMERA	EACH	1.0								1.0						

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 ITS 2024	VARIOUS	16	4
			CONTRACT NO. 68111	
ILLINOIS FED. AID PROJECT				

86300400					
CONTROLLER CABINET TYPE IV					
COUNTY	CITY	LOCATION	QTY. (EACH)	STATE/CITY COST BREAKDOWN (%)	
KNOX	GALESBURG	IL 41 (Main) & Linwood	1.0	90/10	
		US 150 (Main) & Grand	1.0	90/10	
		US 150 (Main) & US 150 (Henderson)	1.0	90/10	
		US 150 (Henderson) & Losey	1.0	90/10	
KNOX COUNTY TOTAL			4.0		
PEORIA	BARTONVILLE	US 24 & I-474 (Ramp)	1.0	100/0	
		US 24 (Mckinley) & Adams/Washington	1.0	90/10	
	PEORIA	PEORIA	IL 8 (MacArthur) & IL 116 (Adams)	1.0	100/0
			I-74 EB Ramp & Sterling	1.0	100/0
			I-74 WB Ramp & Sterling	1.0	100/0
			I-74 EB Ramp & Gale	1.0	100/0
			I-74 EB Ramp & Washington	1.0	100/0
			I-74 WB Ramp/Eaton & Washington	1.0	100/0
			IL 40 (Spalding) & Greenleaf	1.0	100/0
			IL 40 (Spalding) & IL 40 (Perry)	1.0	100/0
			IL 29 (Jefferson) & Spalding	1.0	100/0
			Fayette & IL 40 (Perry)	1.0	100/0
			IL 29 (Jefferson) & Fayette	1.0	100/0
			US 150 (War Memorial) & IL 91/Summershade	1.0	100/0
			US 150 (War Memorial) & IL 6 (SB Ramp)	1.0	100/0
			US 150 (War Memorial) & Allen/Charter Oak	1.0	100/0
			US 150 (War Memorial) & Brandywine/Scenic	1.0	100/0
			IL 40 (Knoxville) & Prospect	1.0	93.3/6.7
			Adams & Griswold	1.0	93.3/6.7
			US 150 (War Memorial) & Frostwood	1.0	93.3/6.7
			IL 40 (Knoxville) & Northmoor/Oak Point	1.0	90/10
			IL 8 (MacArthur) & IL 116 (Jefferson)	1.0	90/10
			IL 8 (Lincoln) & Jefferson	1.0	90/10
			(Unmarked) Washington & Cass	1.0	90/10
			(Unmarked) Washington & Edmund	1.0	90/10
			(Unmarked) Washington & South	1.0	90/10
			IL 29 (Jefferson) & Bryan	1.0	90/10
			IL 40 (Spalding) & Glen Oak	1.0	90/10
			Spalding & Monroe	1.0	90/10
			IL 40 (Fayette) & Glen Oak	1.0	90/10
	IL 40 (Knoxville) & Lake	1.0	90/10		
	Fayette & Monroe	1.0	90/10		
	Fayette & Madison	1.0	90/10		
Adams & Washington/Krause	1.0	90/10			
US 150 (War Memorial) & Orange Prairie	1.0	90/10			
US 150 (War Memorial) & Grand Prairie	1.0	90/10			
US 150 (War Memorial) & Academic	1.0	80/20			
IL 40 (Knoxville) & Ravinswood/Miramar	1.0	80/20			
PEORIA COUNTY	PEORIA	IL 6 & IL 29 (Galena)	1.0	100/0	
		IL 115 (Plank) & Maxwell	1.0	100/0	
PEORIA COUNTY TOTAL			40.0		
TAZEWELL	EAST PEORIA	I-74 EB Ramp & IL 116 (Main)	1.0	100/0	
		I3/14 Ramp & Camp	1.0	90/10	
	PEKIN	IL 9 (Veterans) & Court	1.0	90/10	
		US 24 (Boyd Pkwy) & CH 10 (N. Main St.)	1.0	100/0	
	WASHINGTON	US 24 (Boyd Pkwy) & Cummings Ln.	1.0	90/10	
TAZEWELL COUNTY TOTAL			5.0		
WOODFORD	GOODFIELD	US 150 (Peoria) & IL 117 (Eureka)	1.0	100/0	
WOODFORD COUNTY TOTAL			1.0		
TOTAL			50.0		

89502215				
MODIFY EXISTING CONTROLLER FOUNDATION				
COUNTY	CITY	LOCATION	QTY. (EACH)	STATE/CITY COST BREAKDOWN (%)
PEORIA	PEORIA	IL 8 (MacArthur) & IL 116 (Adams)	1.0	100/0
		IL 8 (MacArthur) & IL 116 (Jefferson)	1.0	90/10
		IL 8 (Lincoln) & Jefferson	1.0	90/10
		IL 29 (Jefferson) & Bryan	1.0	90/10
		(Unmarked) Washington & Cass	1.0	90/10
		(Unmarked) Washington & Edmund	1.0	90/10
		(Unmarked) Washington & South	1.0	90/10
PEORIA COUNTY TOTAL			7.0	
TOTAL			7.0	

X0320023					
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD					
COUNTY	CITY	LOCATION	QTY. (EACH)	STATE/CITY COST BREAKDOWN (%)	NOTE
PEORIA	PEORIA	US 150 (War Memorial) & Orange Prairie	1.0	100/0	INSTALL ON MAST ARM IN NE ISLAND (43 FT M.H.)
		IL 40 (Knoxville) & Alta	1.0	100/0	INSTALL ON MAST ARM IN SW QUAD (43 FT M.H.)
		IL 29 (Adams) & Alexander	1.0	100/0	INSTALL ON MAST ARM IN N QUAD (20 FT. M.H.)
		IL 29 (Adams) & Sloan	1.0	100/0	INSTALL ON MAST ARM IN W QUAD (20 FT. M.H.)
PEORIA COUNTY TOTAL			4.0		
TOTAL			4.0		

X0326812				
CAT 5 ETHERNET CABLE				
COUNTY	CITY	LOCATION	QTY. (FEET)	STATE/CITY COST BREAKDOWN (%)
PEORIA	PEORIA	US 150 (War Memorial) & Orange Prairie	151.5	100/0
		IL 40 (Knoxville) & Alta	92.0	100/0
		IL 29 (Adams) & Alexander	121.5	100/0
		IL 29 (Adams) & Sloan	63.0	100/0
PEORIA COUNTY TOTAL			428.0	
TOTAL			428.0	

X8891013				
VIDEO VEHICLE DETECTION SYSTEM, 4 CAMERA				
COUNTY	CITY	LOCATION	QTY. (EACH)	STATE/CITY COST BREAKDOWN (%)
TAZEWELL	EAST PEORIA	IL 40 (Washington) & River/Tractor	1.0	90/10
TAZEWELL COUNTY TOTAL			1.0	
TOTAL			1.0	

X8891010				
VIDEO VEHICLE DETECTION SYSTEM, 2 CAMERA				
COUNTY	CITY	LOCATION	QTY. (EACH)	STATE/CITY COST BREAKDOWN (%)
PEORIA	PEORIA	(Unmarked) Washington & Cass	1.0	90/10
		(Unmarked) Washington & Edmund	1.0	90/10
		(Unmarked) Washington & South	1.0	90/10
PEORIA COUNTY TOTAL			3.0	
TOTAL			3.0	

NOTES:
1. THE CONTRACTOR SHALL RELOCATE THE EXISTING ITS CABINETS FROM THE EXISTING SIGNAL CABINETS TO THE PROPOSED SIGNAL CABINETS AT WASHINGTON ST. & CASS ST., WASHINGTON ST. & SOUTH ST., AND WASHINGTON ST. & EDMUND ST. IN PEORIA. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED TRAFFIC SIGNAL CABINETS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

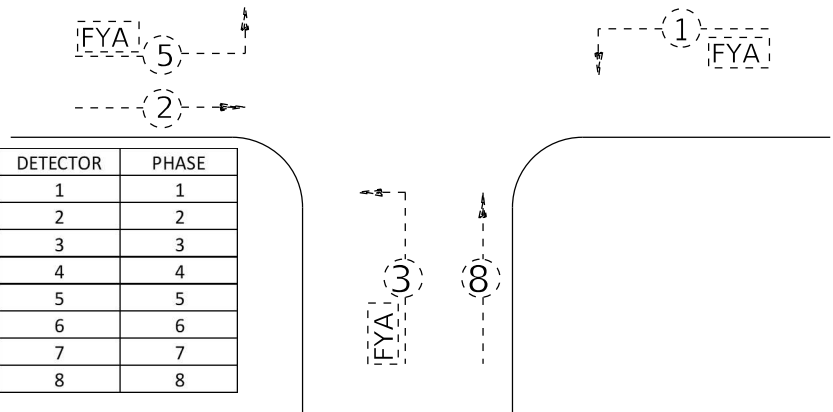
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IL 41 (MAIN) & LINWOOD - GALESBURG

RE-USE EXISTING SIGNAL CONTROLLER

RE-USE EXISTING DETECTOR LOOPS

IL 41 (MAIN)



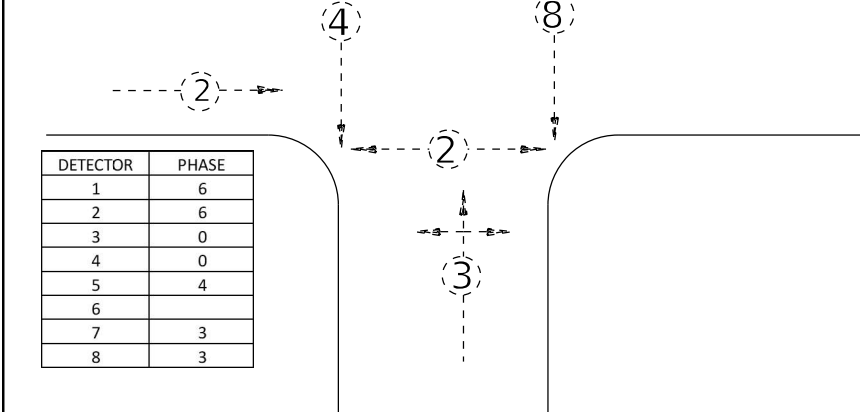
DETECTOR	PHASE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

US 150 (MAIN) & GRAND - GALESBURG

RE-USE EXISTING SIGNAL CONTROLLER

RE-USE EXISTING DETECTOR LOOPS

US 150 (MAIN)



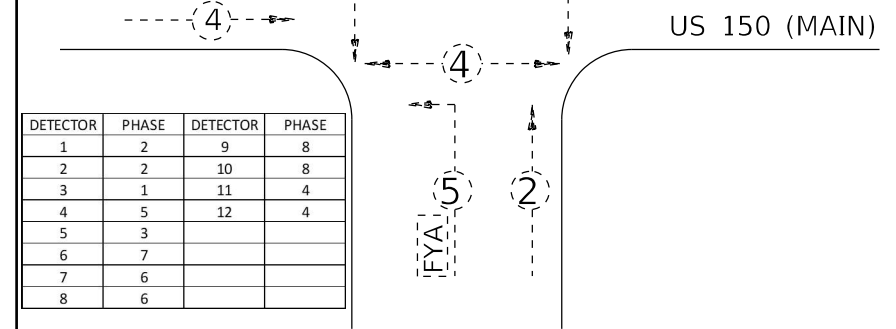
DETECTOR	PHASE
1	6
2	6
3	0
4	0
5	4
6	
7	3
8	3

US 150 (MAIN) & US 150 (HENDERSON) - GALESBURG

RE-USE EXISTING SIGNAL CONTROLLER

RE-USE EXISTING DETECTOR LOOPS

US 150 (MAIN)



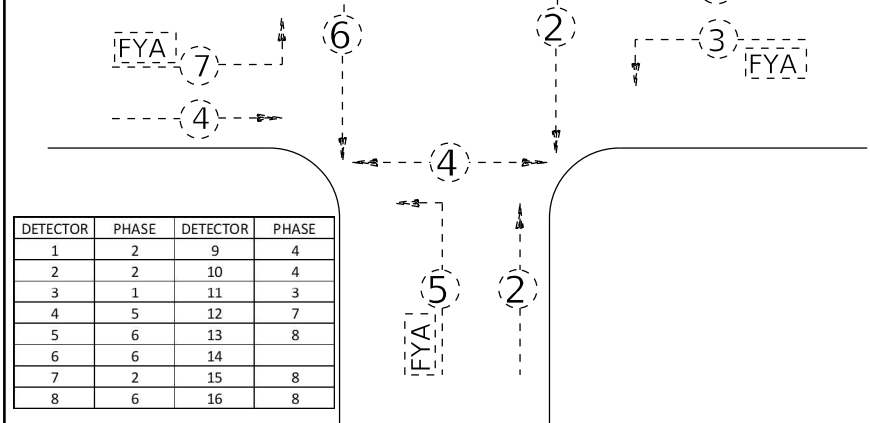
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1	2	9	8
2	2	10	8
3	1	11	4
4	5	12	4
5	3		
6	7		
7	6		
8	6		

US 150 (HENDERSON) & LOSEY - GALESBURG

RE-USE EXISTING SIGNAL CONTROLLER

RE-USE EXISTING DETECTOR LOOPS

LOSEY ST.



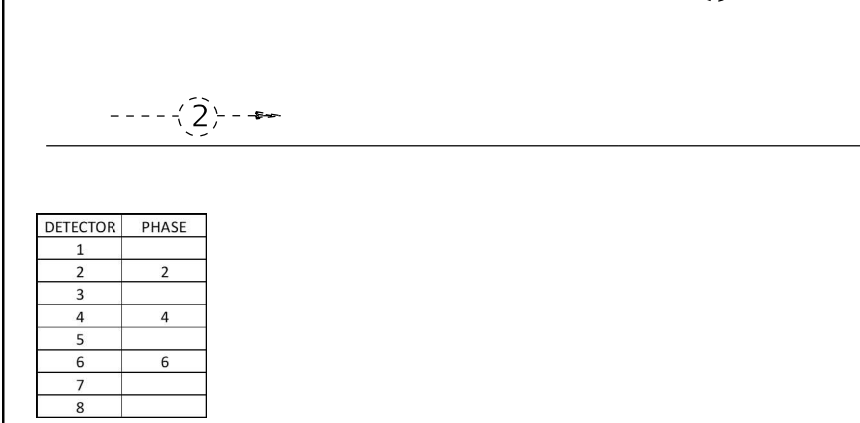
DETECTOR	PHASE	DETECTOR	PHASE
1	2	9	4
2	2	10	4
3	1	11	3
4	5	12	7
5	6	13	8
6	6	14	
7	2	15	8
8	6	16	8

I-474 EB RAMP & US 24 (ADAMS) - BARTONVILLE

RE-USE EXISTING SIGNAL CONTROLLER

RE-USE EXISTING VIDEO DETECTION

US 24 (ADAMS)



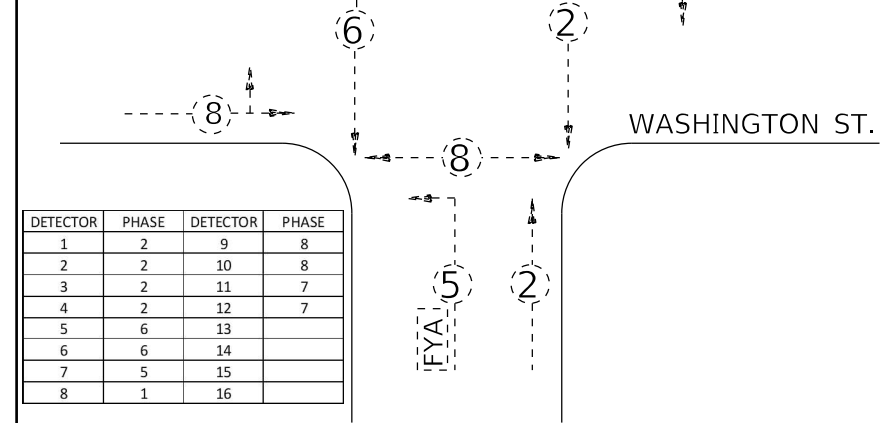
DETECTOR	PHASE
1	
2	2
3	
4	4
5	
6	6
7	
8	

US 24 (MCKINLEY) & ADAMS/WASHINGTON - BARTONVILLE

RE-USE EXISTING SIGNAL CONTROLLER

RE-USE EXISTING DETECTOR LOOPS

ADAMS ST.



DETECTOR	PHASE	DETECTOR	PHASE
1	2	9	8
2	2	10	8
3	2	11	7
4	2	12	7
5	6	13	
6	6	14	
7	5	15	
8	1	16	

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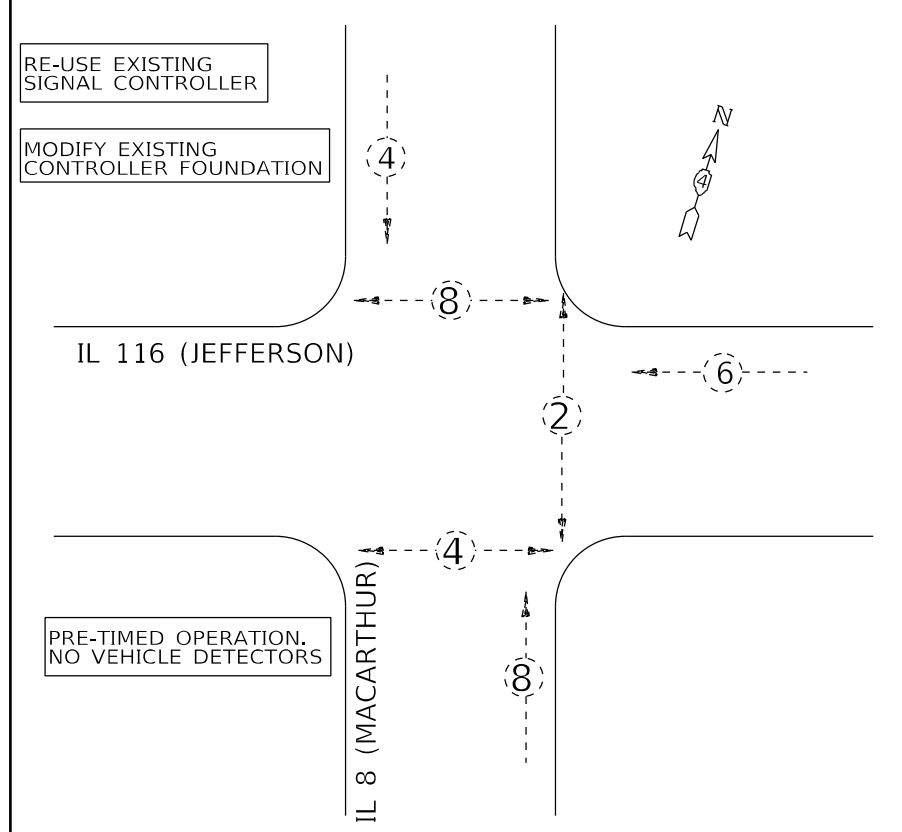
TRAFFIC SIGNAL PHASE DIAGRAMS

SCALE: SHEET OF SHEETS STA. TO STA.

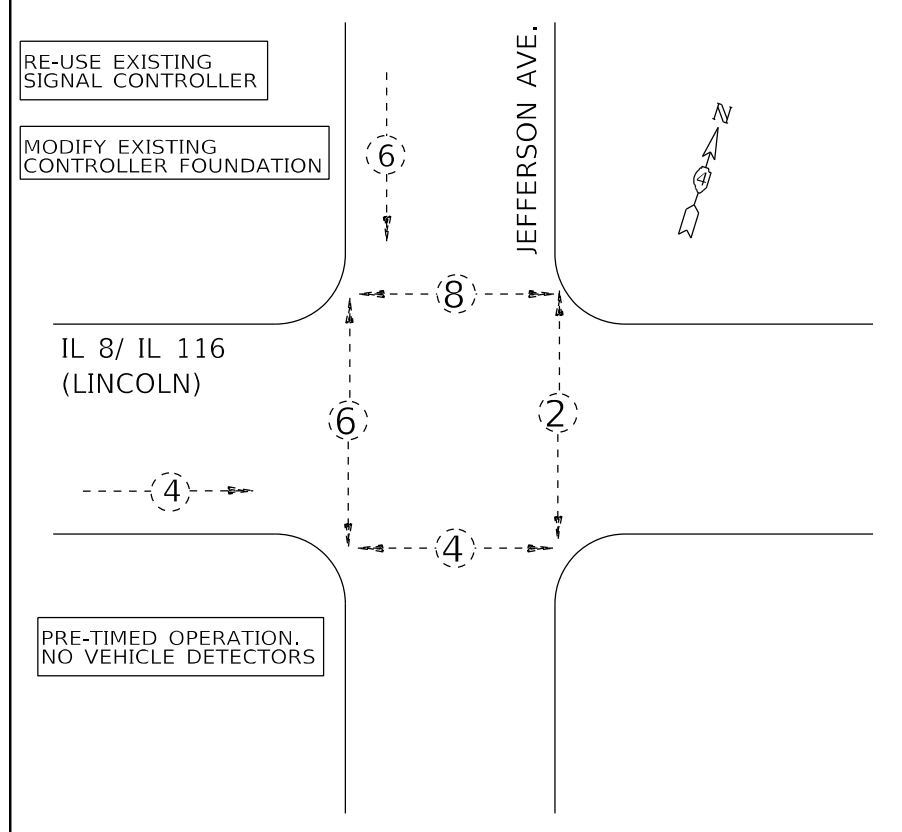
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CONTRACT NO. 68111			ILLINOIS FED. AID PROJECT	

NOT TO SCALE

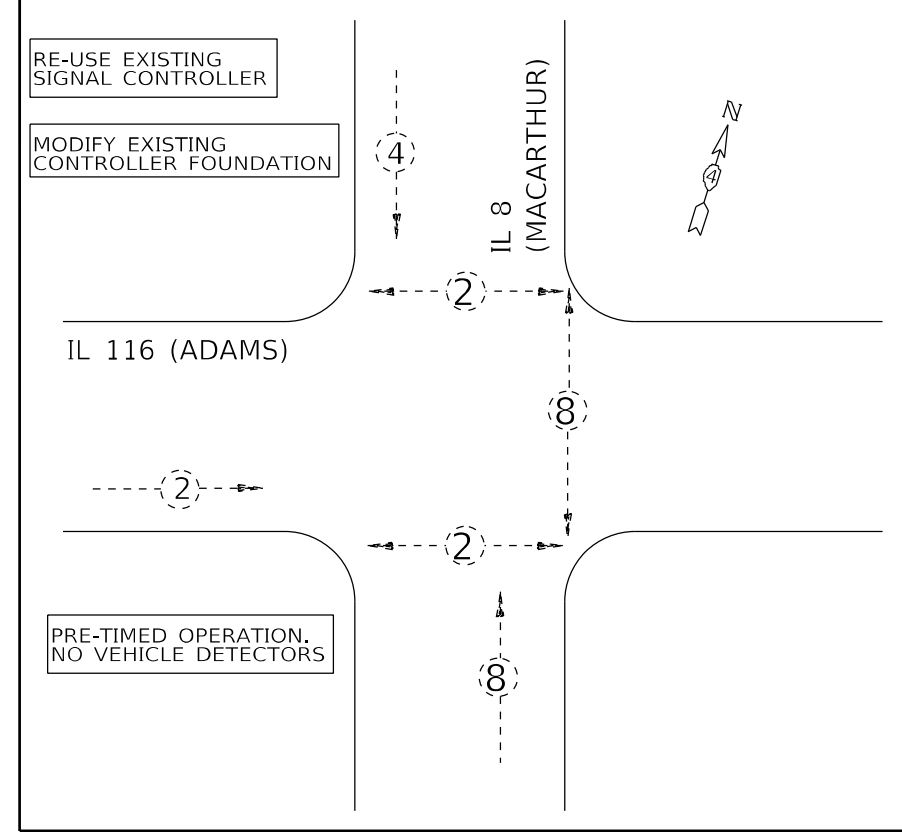
IL 8 (MACARTHUR) & IL 116 (JEFFERSON) - PEORIA



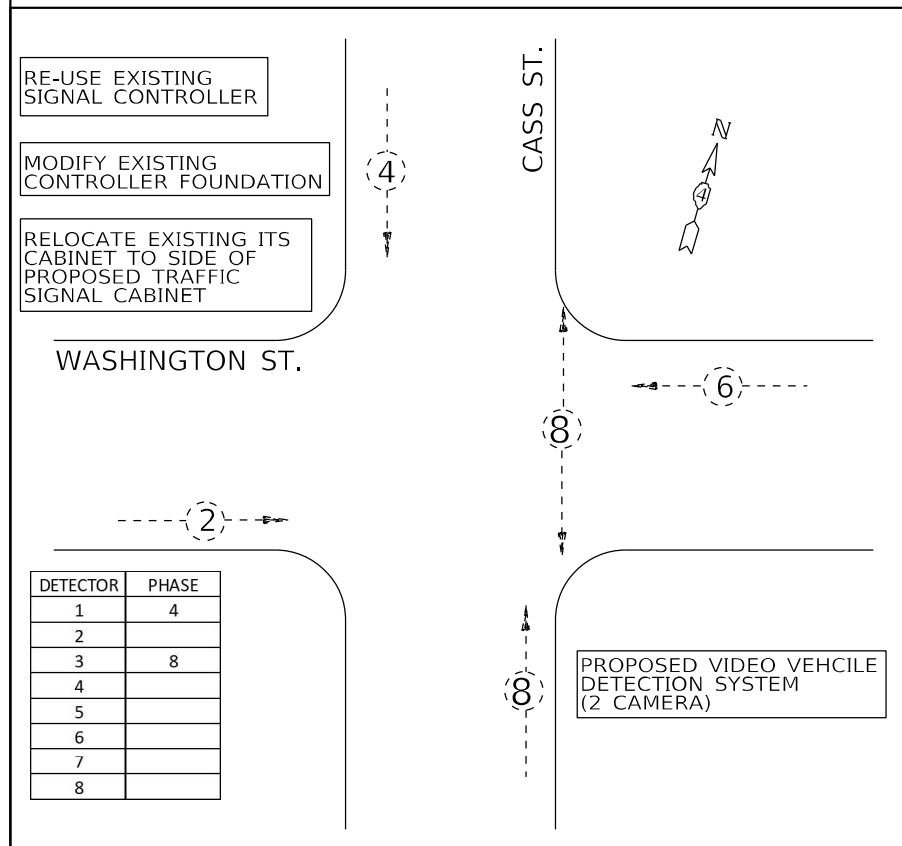
IL 8/IL 116 (LINCOLN) & JEFFERSON - PEORIA



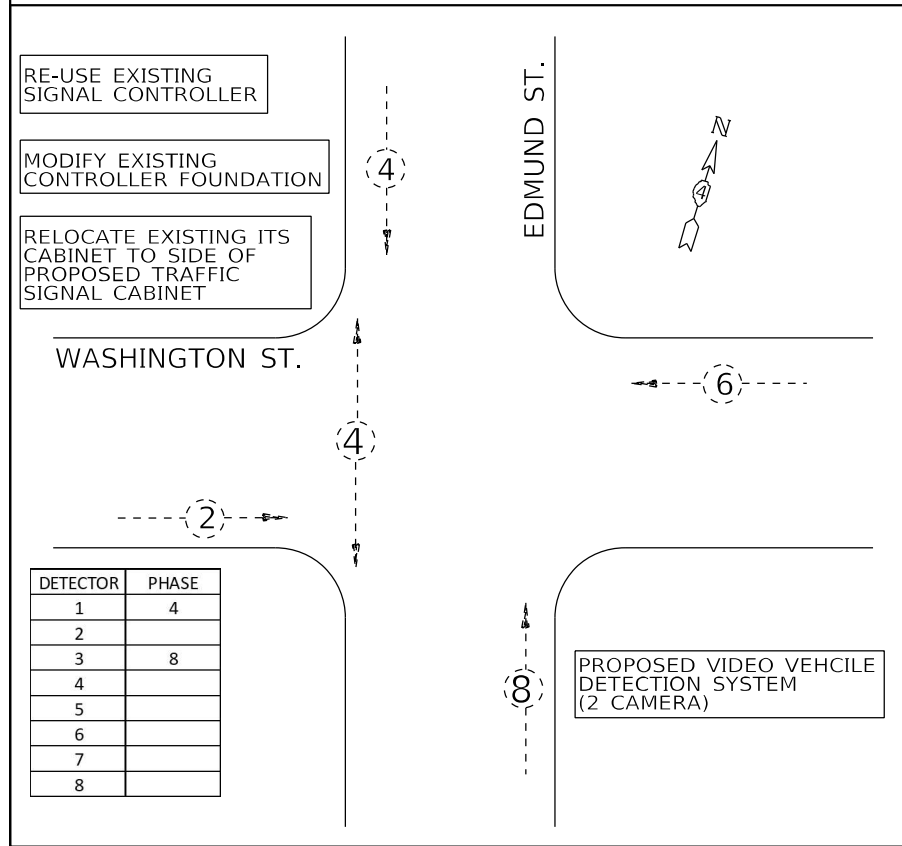
IL 8 (MACARTHUR) & IL 116 (ADAMS) - PEORIA



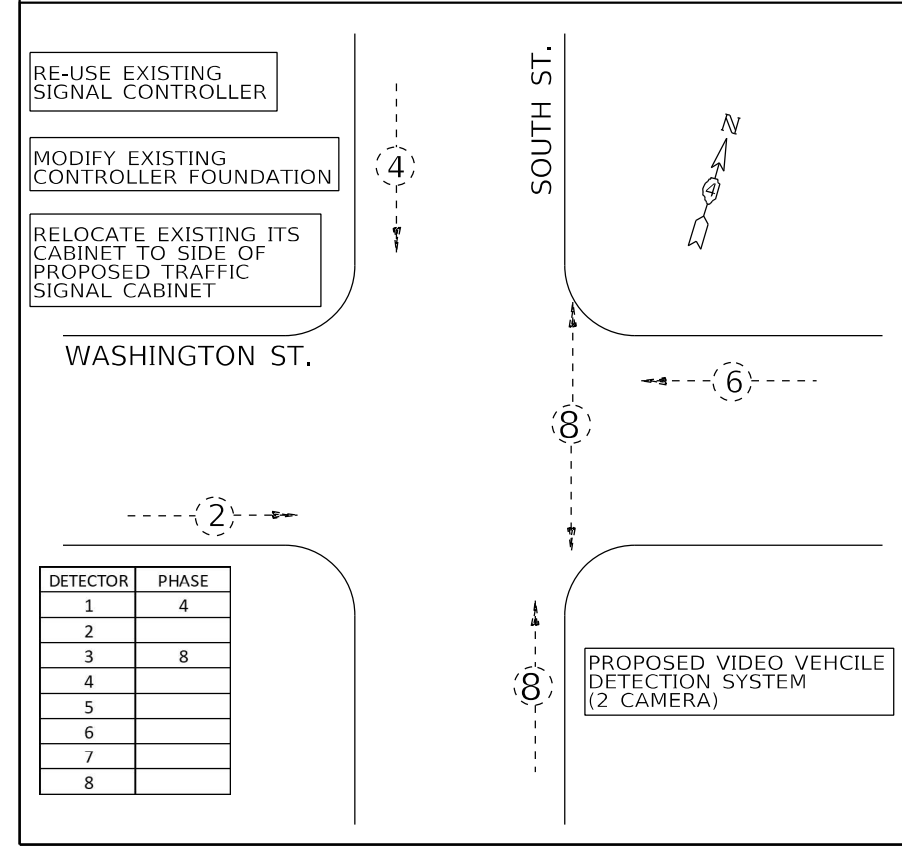
WASHINGTON & CASS - PEORIA



WASHINGTON & EDMUND - PEORIA



WASHINGTON & SOUTH - PEORIA



MODEL: D:\p\h\p\... FILE NAME: S:\CEN\WV\ORD\DESIGN\AN\hanson# 68111.D4 ITS 2024\04 ITS 2024.dgn

USER NAME = trevor.hanson	DESIGNED -	REVISED -
PLOT SCALE = 23,8272' / in.	DRAWN -	REVISED -
PLOT DATE = 3/18/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

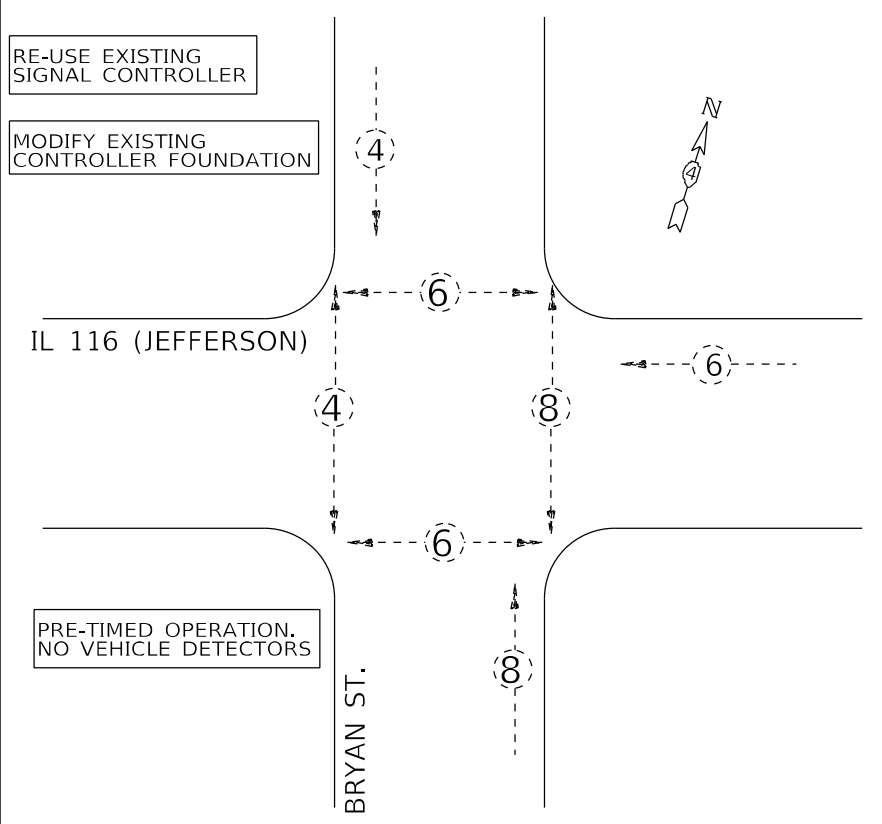
TRAFFIC SIGNAL PHASE DIAGRAMS - CONTINUED

SCALE: SHEET OF SHEETS STA. TO STA.

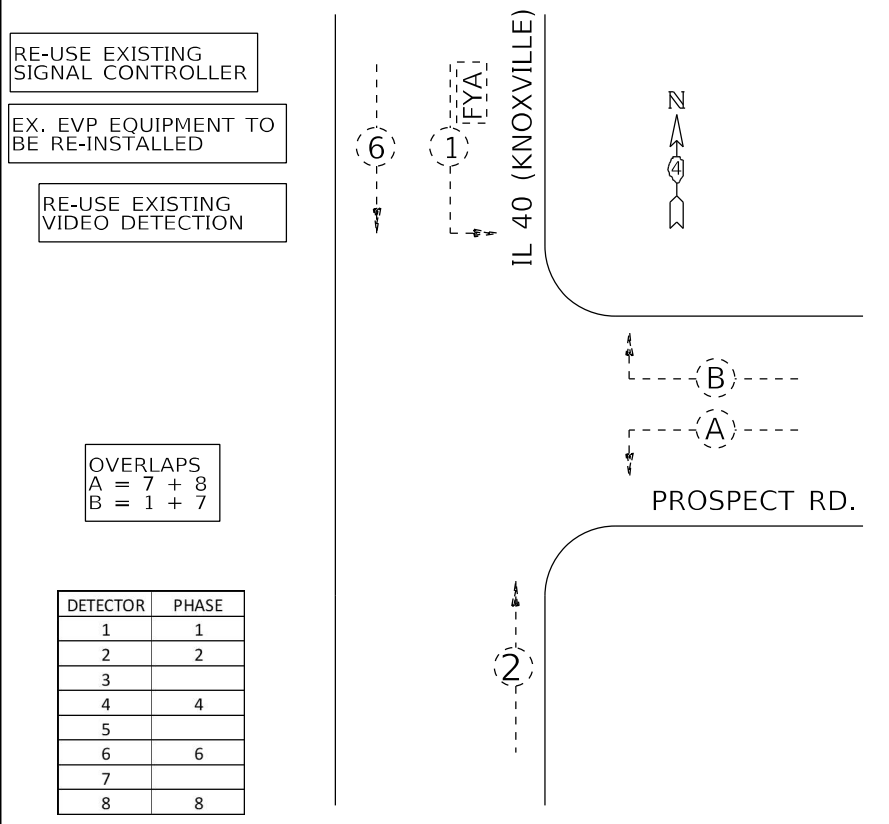
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 ITS 2024	VARIOUS	16	7
CONTRACT NO. 68111			ILLINOIS FED. AID PROJECT	

NOT TO SCALE

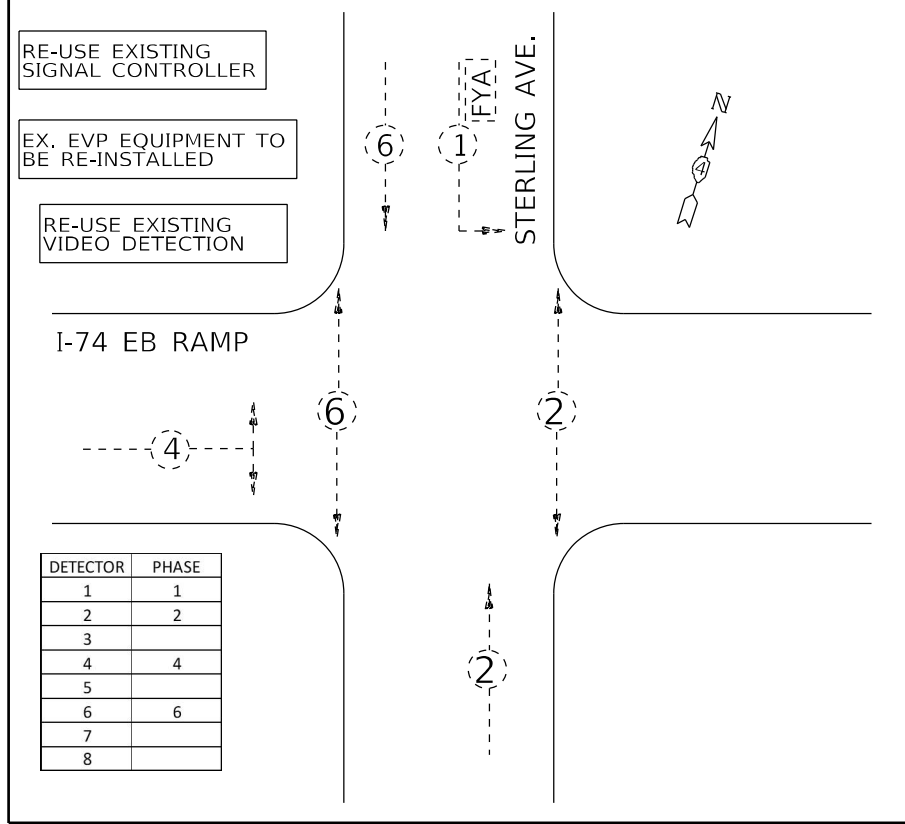
IL 29 (JEFFERSON) & BRYAN - PEORIA



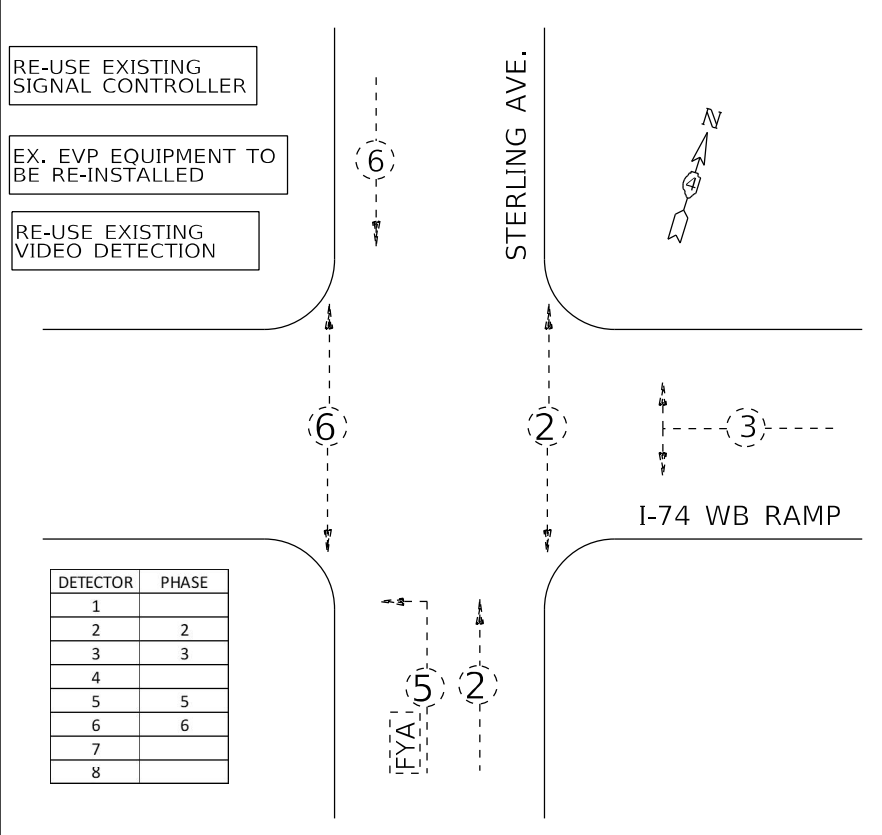
IL 40 (KNOXVILLE) & PROSPECT - PEORIA



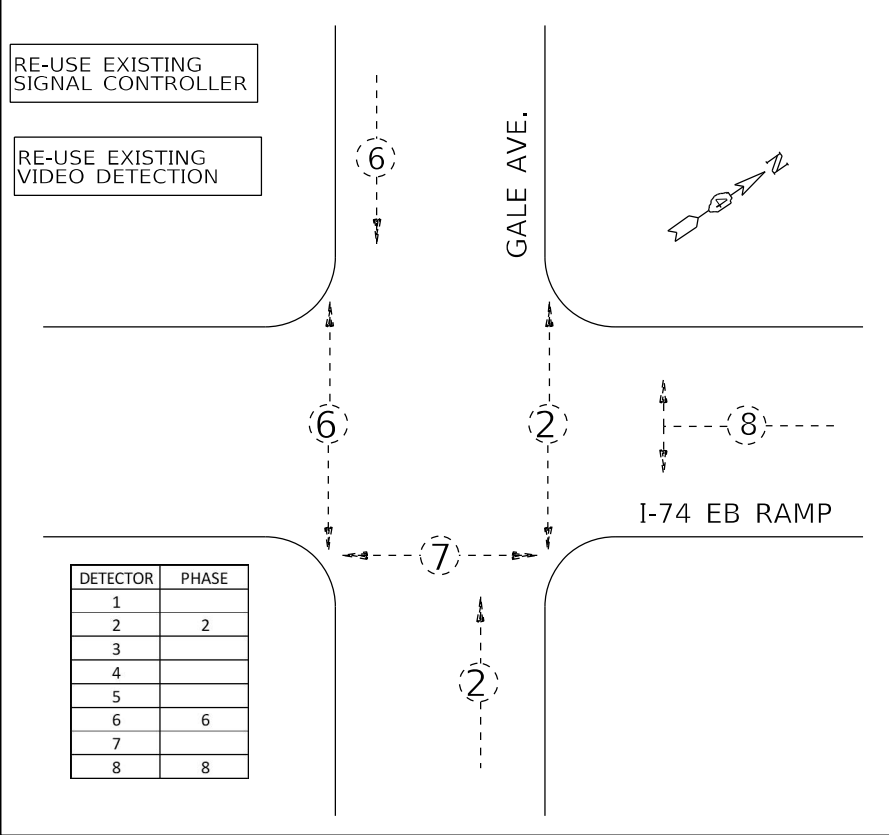
I-74 EB RAMP & STERLING - PEORIA



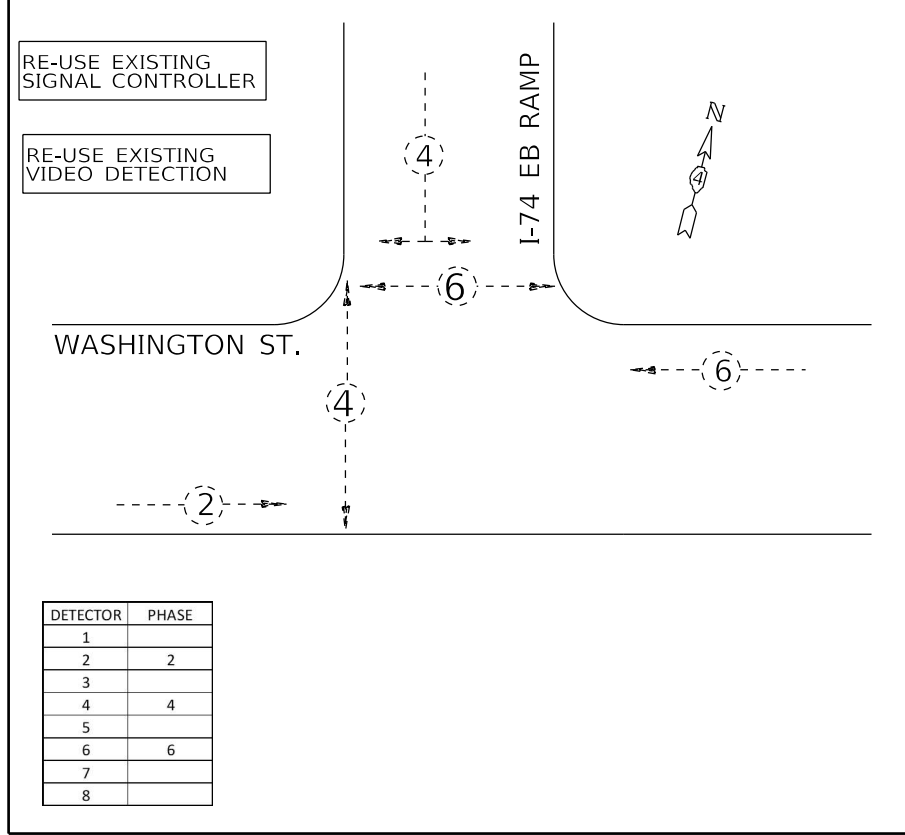
I-74 WB RAMP & STERLING - PEORIA



I-74 EB RAMP & GALE - PEORIA



I-74 EB RAMP & WASHINGTON - PEORIA



MODEL: D:\p4\h\... FILE NAME: S:\CEN\WV\ORD\ESP\AN\hanson# 68111.D4 ITS 2024\04 ITS 2024.dgn

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PLOT DATE = 3/18/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PHASE DIAGRAMS - CONTINUED

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 ITS 2024	VARIOUS	16	8
			CONTRACT NO. 68111	
ILLINOIS FED. AID PROJECT				

NOT TO SCALE

I-74 WB RAMP/ EATON & WASHINGTON - PEORIA

RE-USE EXISTING SIGNAL CONTROLLER

RE-USE EXISTING VIDEO DETECTION

WASHINGTON ST.

I-74 WB RAMP

EATON ST.

EATON ST.

DETECTOR	PHASE
1	1
2	2
3	
4	
5	5
6	6
7	
8	8

IL 40 (SPALDING) & GLEN OAK - PEORIA

RE-USE EXISTING SIGNAL CONTROLLER

EX. EVP EQUIPMENT TO BE RE-INSTALLED

RE-USE EXISTING VIDEO DETECTION

GLEN OAK AVE.

IL 40 (SPALDING)

DETECTOR	PHASE	DETECTOR	PHASE
1	6	9	
2		10	
3	6	11	3
4		12	8
5		13	
6		14	
7	4	15	
8		16	

IL 40 (SPALDING) & GREENLEAF - PEORIA

RE-USE EXISTING SIGNAL CONTROLLER

EX. EVP EQUIPMENT TO BE RE-INSTALLED

RE-USE EXISTING VIDEO DETECTION

I-74 WB OFF-RAMP

GREENLEAF ST.

IL 40 (SPALDING)

DETECTOR	PHASE
1	
2	2
3	
4	
5	
6	
7	
8	8

IL 40 (PERRY) & IL 40 (SPALDING) - PEORIA

RE-USE EXISTING SIGNAL CONTROLLER

EX. EVP EQUIPMENT TO BE RE-INSTALLED

RE-USE EXISTING VIDEO DETECTION

IL 40 (PERRY)

IL 40 (SPALDING)

DETECTOR	PHASE
1	8
2	
3	
4	
5	
6	
7	
8	

SPALDING & MONROE - PEORIA

RE-USE EXISTING SIGNAL CONTROLLER

EX. EVP EQUIPMENT TO BE RE-INSTALLED

MONROE ST.

SPALDING AVE.

PRE-TIMED OPERATION, NO VEHICLE DETECTORS

IL 29 (JEFFERSON) & SPALDING - PEORIA

RE-USE EXISTING SIGNAL CONTROLLER

PRE-TIMED OPERATION, NO VEHICLE DETECTORS

SPALDING AVE.

IL 29 (JEFFERSON)

MODEL: D:\68111.D4 ITS 2024\04 ITS 2024.dgn
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PLOT DATE = 3/18/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

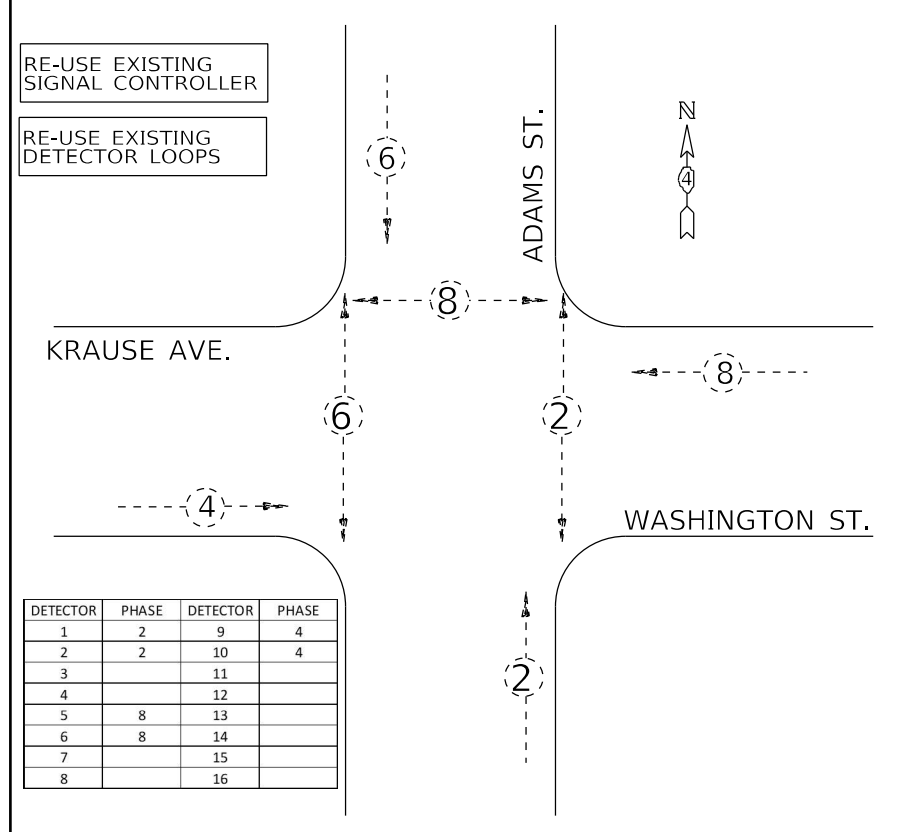
TRAFFIC SIGNAL PHASE DIAGRAMS - CONTINUED

SCALE: SHEET OF SHEETS STA. TO STA.

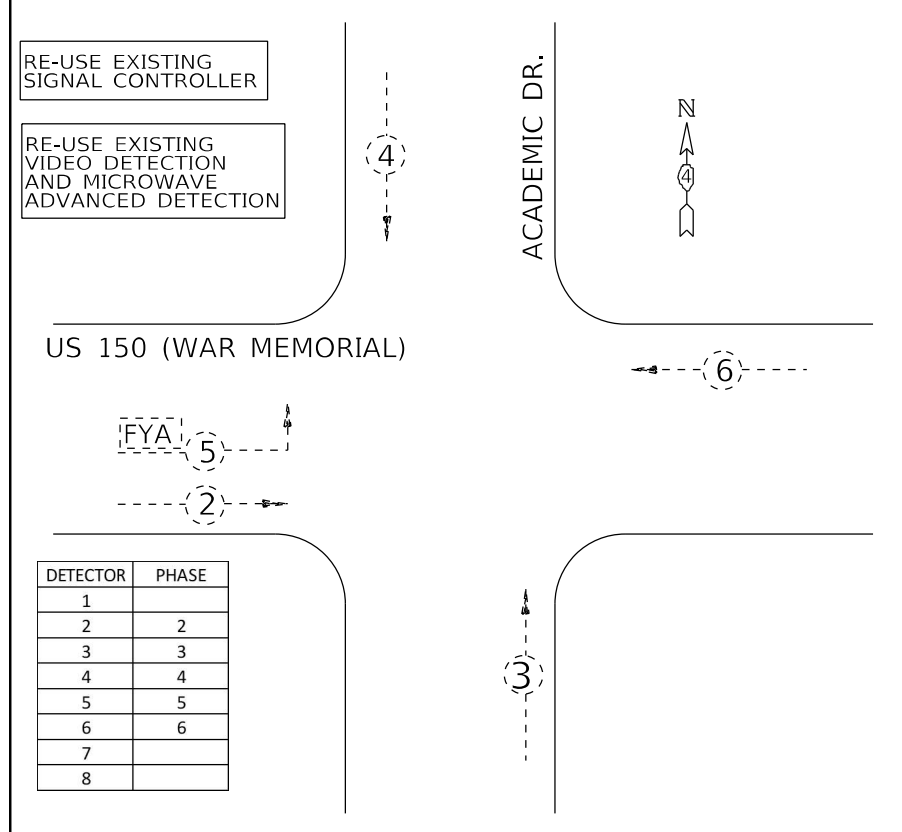
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 ITS 2024	VARIOUS	16	9
CONTRACT NO. 68111				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE

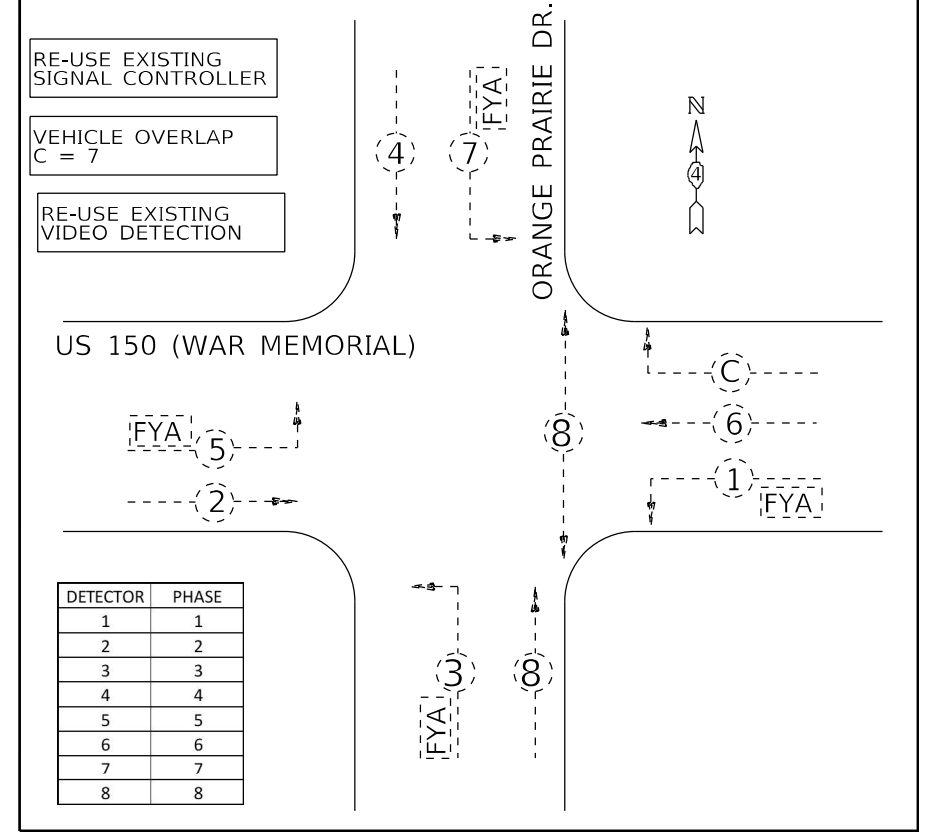
ADAMS & WASHINGTON/KRAUSE - PEORIA



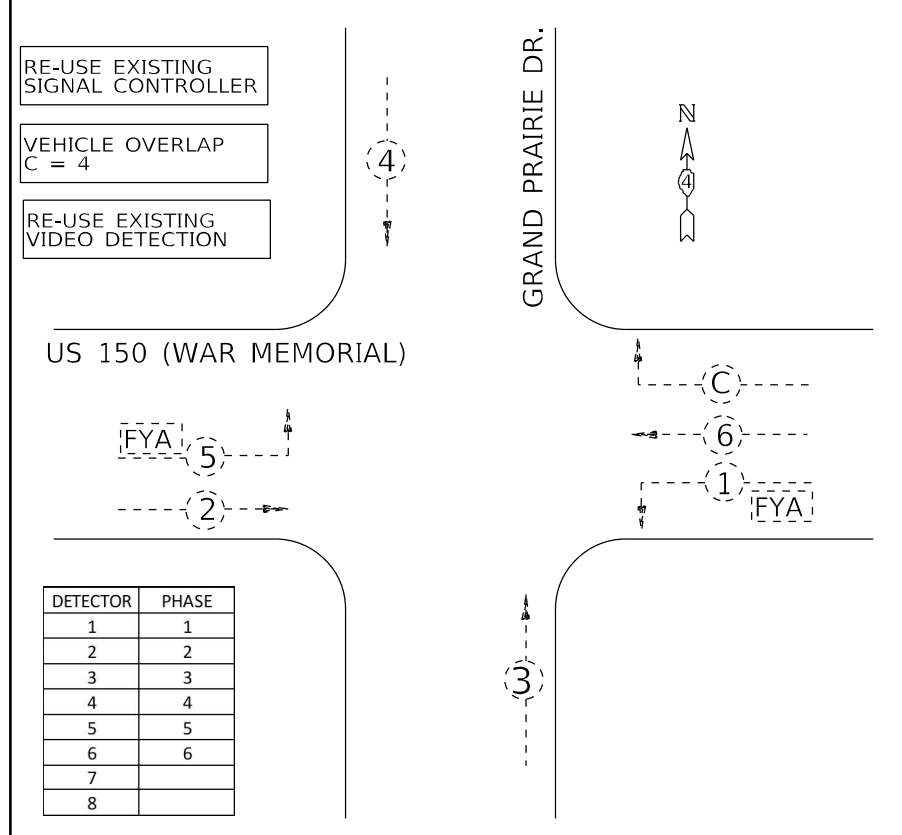
US 150 (WAR MEMORIAL) & ACADEMIC - PEORIA



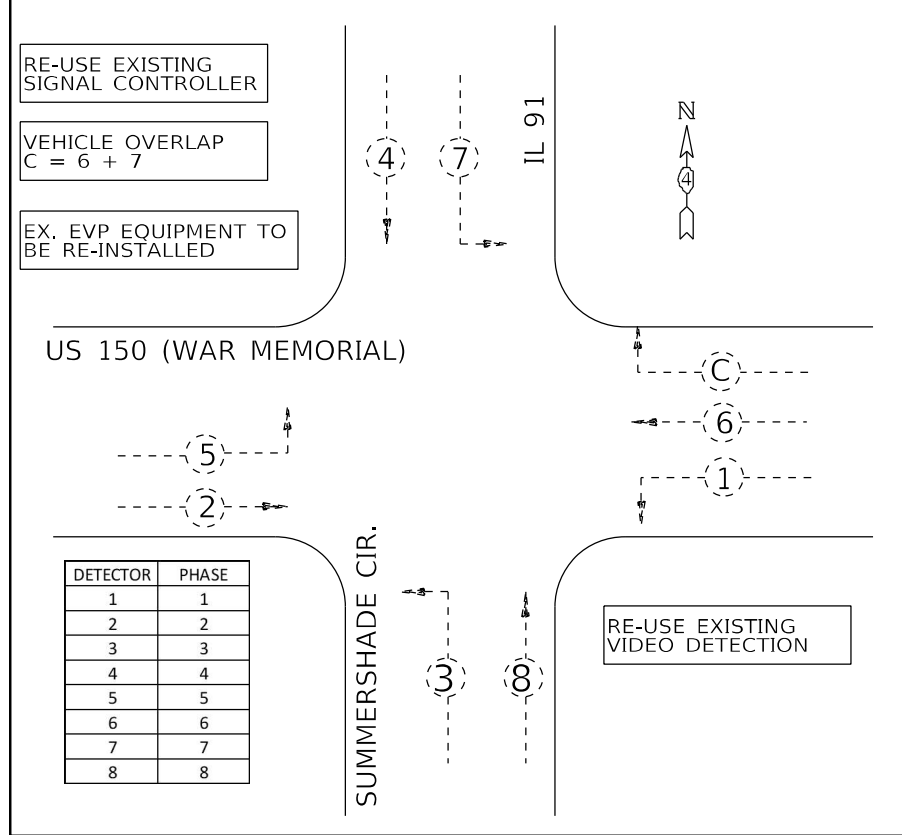
US 150 (WAR MEMORIAL) & ORANGE PRAIRIE - PEORIA



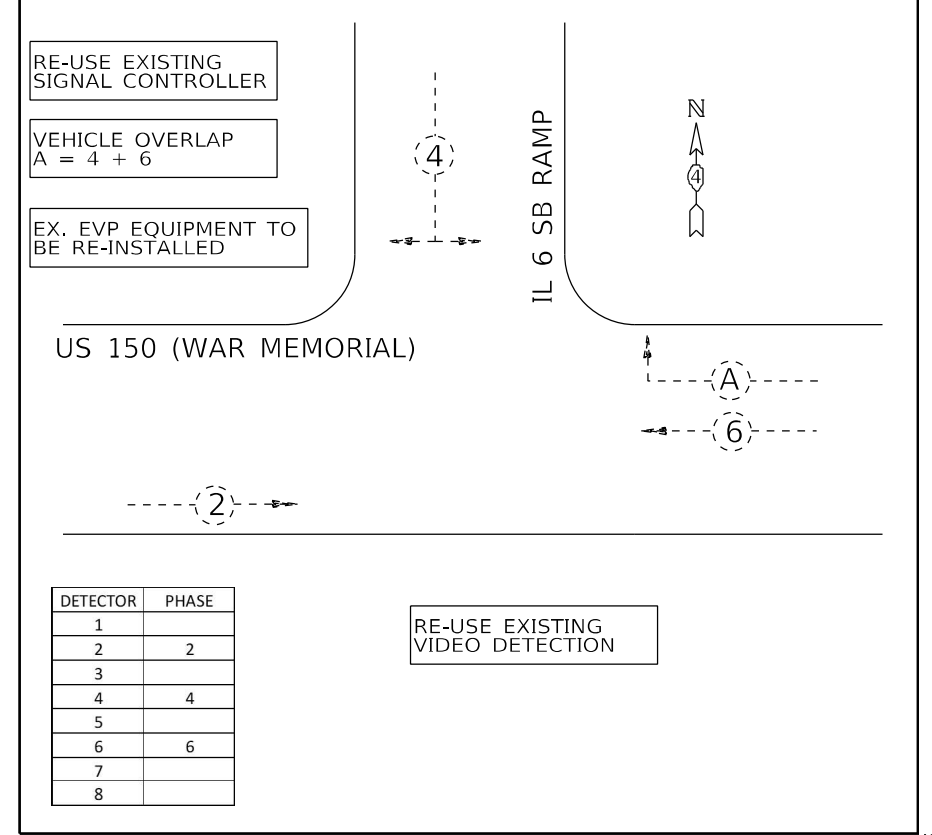
US 150 (WAR MEMORIAL) & GRAND PRAIRIE - PEORIA



US 150 (WAR MEMORIAL) & IL 91/ SUMMERSHADE - PEORIA



US 150 (WAR MEMORIAL) & IL 6 SB RAMP - PEORIA



MODEL D:\68111.D4 ITS 2024\04 ITS 2024.dgn
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PLOT DATE = 3/18/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PHASE DIAGRAMS - CONTINUED

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 ITS 2024	VARIOUS	16	11
			CONTRACT NO. 68111	
ILLINOIS FED. AID PROJECT				

NOT TO SCALE

US 150 (WAR MEMORIAL) & FROSTWOOD - PEORIA

RE-USE EXISTING SIGNAL CONTROLLER

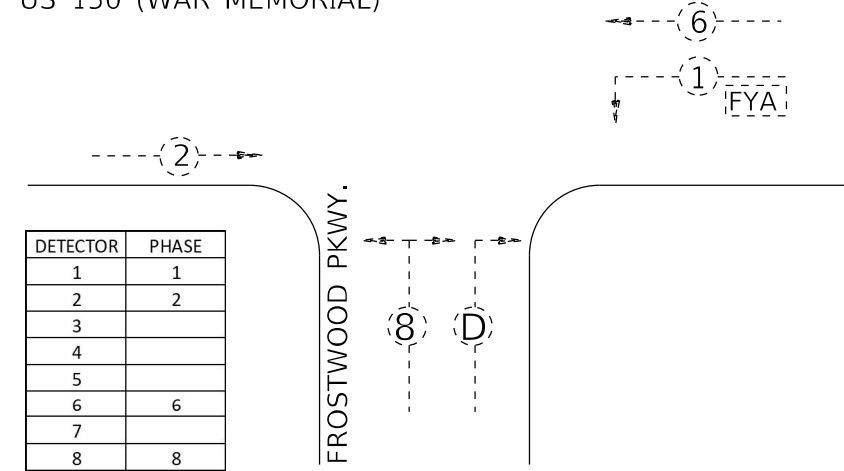
VEHICLE OVERLAP
D = 1 + 8

EX. EVP EQUIPMENT TO BE RE-INSTALLED

RE-USE EXISTING VIDEO DETECTION



US 150 (WAR MEMORIAL)



DETECTOR	PHASE
1	1
2	2
3	
4	
5	
6	6
7	
8	8

US 150 (WAR MEMORIAL) & ALLEN/ CHARTER OAK - PEORIA

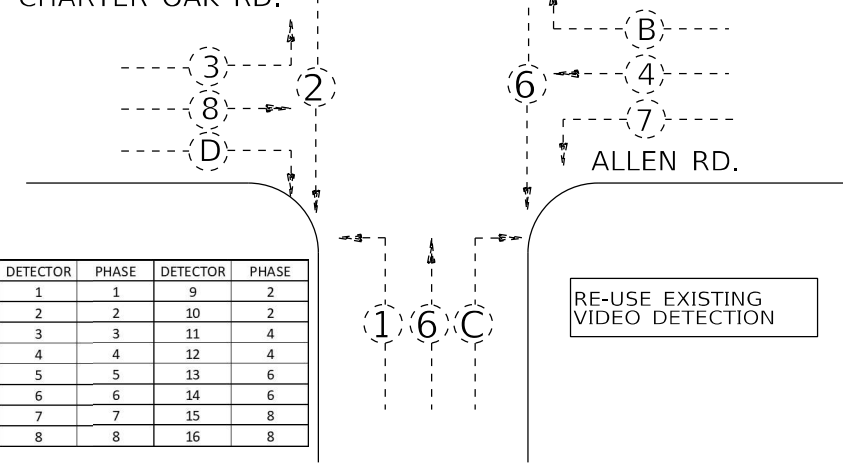
RE-USE EXISTING SIGNAL CONTROLLER

VEHICLE OVERLAP
A = 3
B = 5
C = 7
D = 1 + 8

EX. EVP EQUIPMENT TO BE RE-INSTALLED



CHARTER OAK RD.



DETECTOR	PHASE	DETECTOR	PHASE
1	1	9	2
2	2	10	2
3	3	11	4
4	4	12	4
5	5	13	6
6	6	14	6
7	7	15	8
8	8	16	8

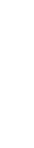
RE-USE EXISTING VIDEO DETECTION

IL 6 & IL 29 (GALENA) - PEORIA COUNTY

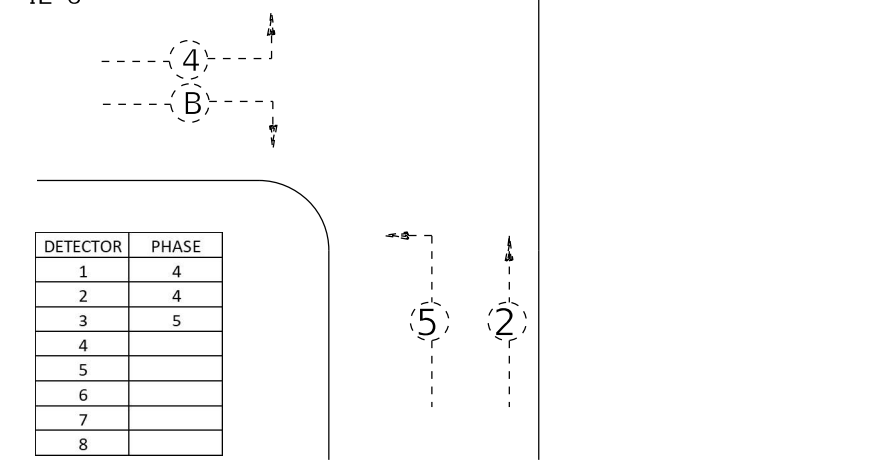
RE-USE EXISTING SIGNAL CONTROLLER

VEHICLE OVERLAP
A = 4 + 6
B = 4 + 5

RE-USE EXISTING DETECTOR LOOPS



IL 6

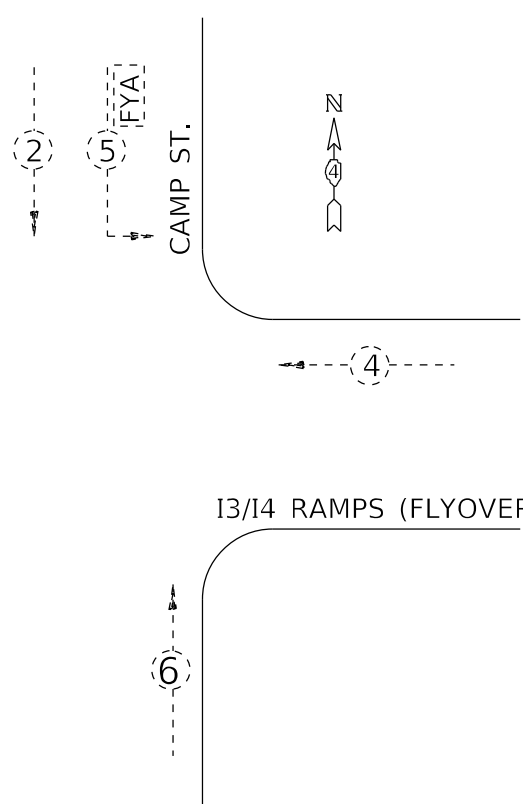


DETECTOR	PHASE
1	4
2	4
3	5
4	
5	
6	
7	
8	

CAMP & 13/14 RAMPS (FLYOVER) - EAST PEORIA

RE-USE EXISTING SIGNAL CONTROLLER

RE-USE EXISTING VIDEO DETECTION



DETECTOR	PHASE	DETECTOR	PHASE
1		9	5
2	2	10	
3		11	
4	4	12	
5	5	13	
6	6	14	
7		15	
8		16	

I-74 EB RAMP & IL 116 (MAIN) - EAST PEORIA

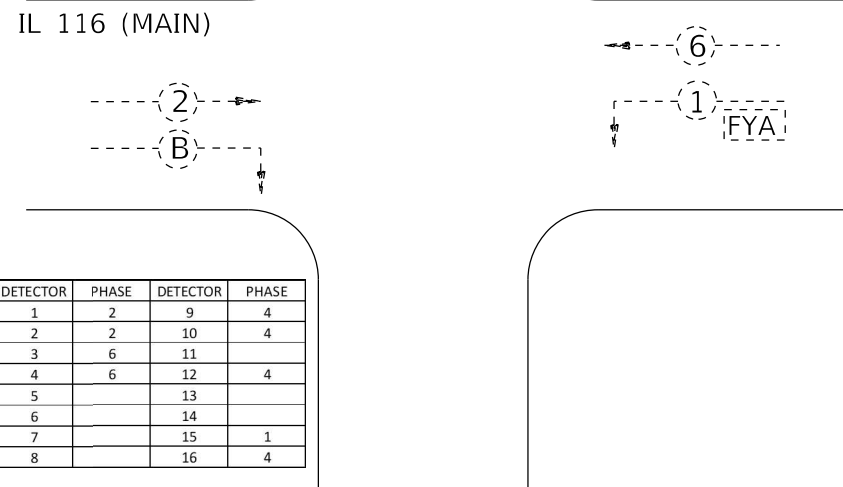
RE-USE EXISTING SIGNAL CONTROLLER

VEHICLE OVERLAP
B = 4

RE-USE EXISTING VIDEO DETECTION



IL 116 (MAIN)



DETECTOR	PHASE	DETECTOR	PHASE
1	2	9	4
2	2	10	4
3	6	11	
4	6	12	4
5		13	
6		14	
7		15	1
8		16	4

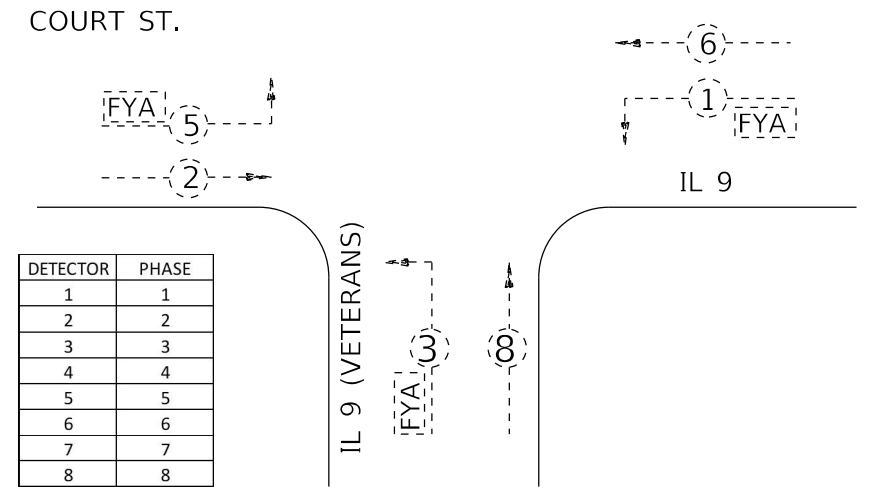
IL 9 (VETERANS) & COURT - PEKIN

RE-USE EXISTING SIGNAL CONTROLLER

RE-USE EXISTING DETECTOR LOOPS



COURT ST.



DETECTOR	PHASE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

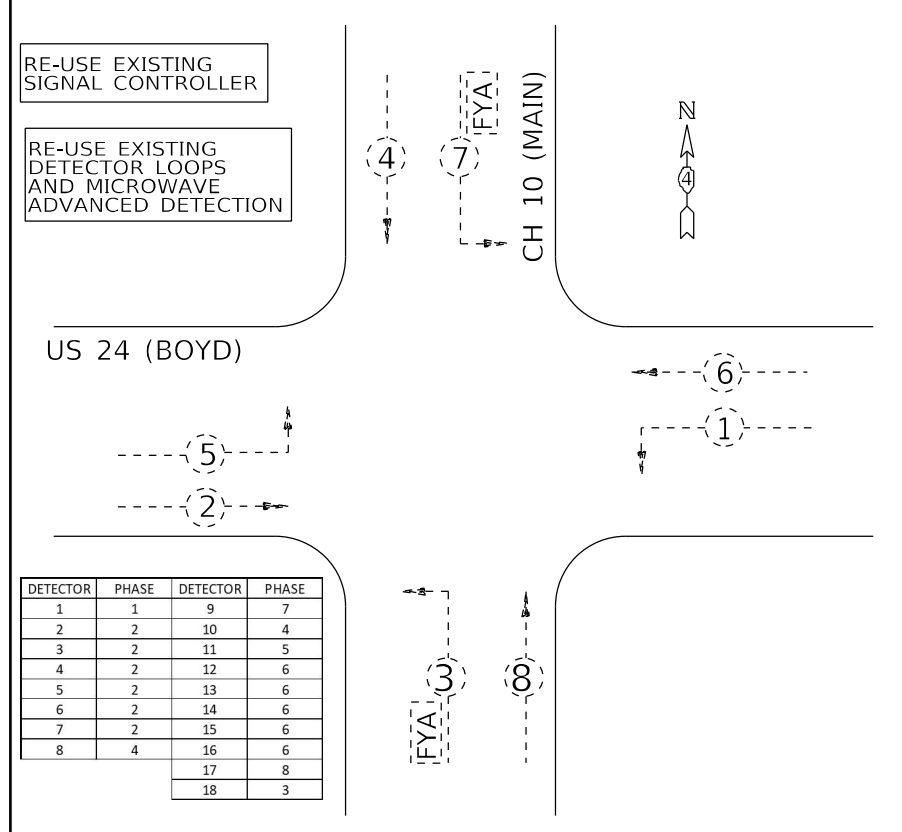
TRAFFIC SIGNAL PHASE DIAGRAMS - CONTINUED

SCALE: SHEET OF SHEETS STA. TO STA.

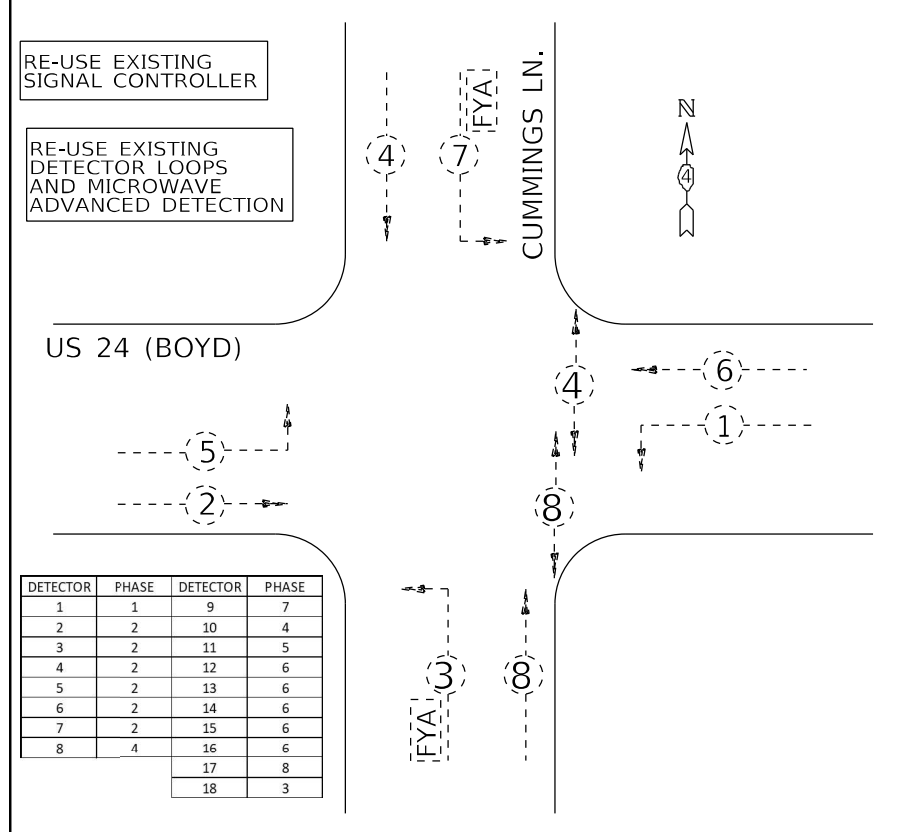
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 ITS 2024	VARIOUS	16	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68111	

NOT TO SCALE

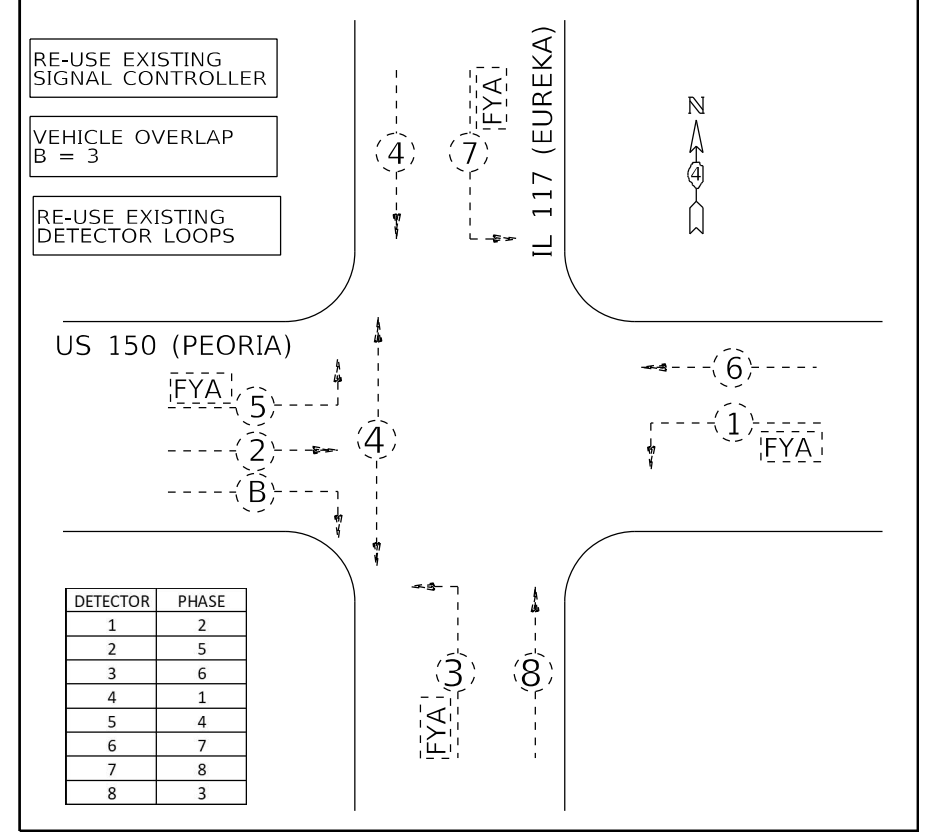
US 24 (BOYD) & CH 10 (MAIN) - WASHINGTON



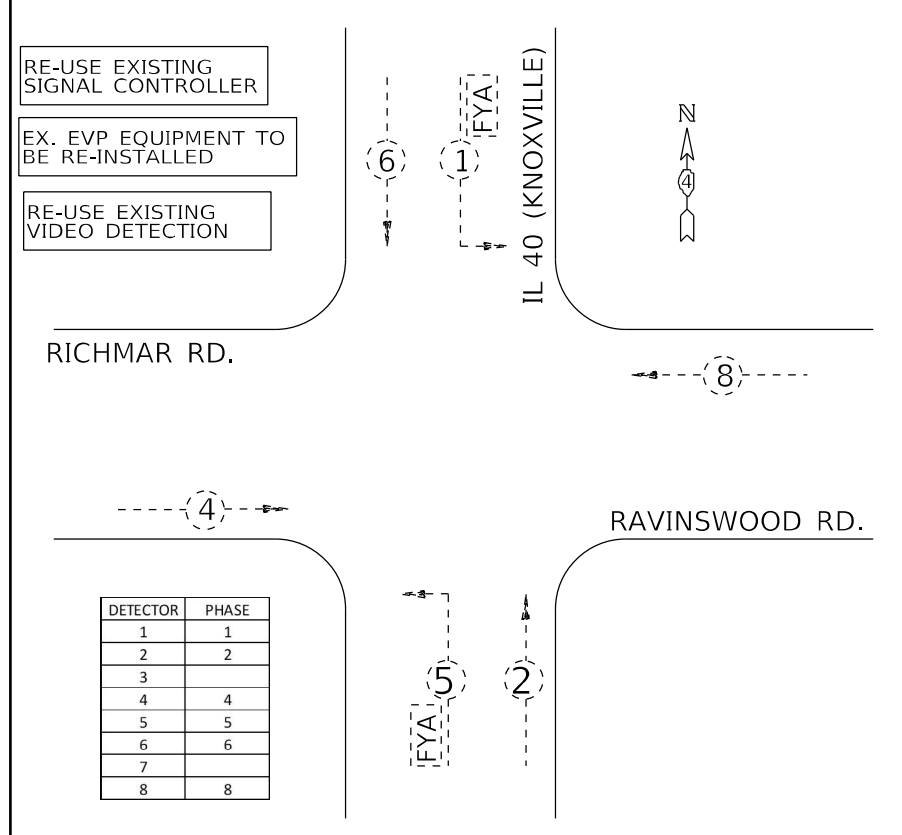
US 24 (BOYD) & CUMMINGS - WASHINGTON



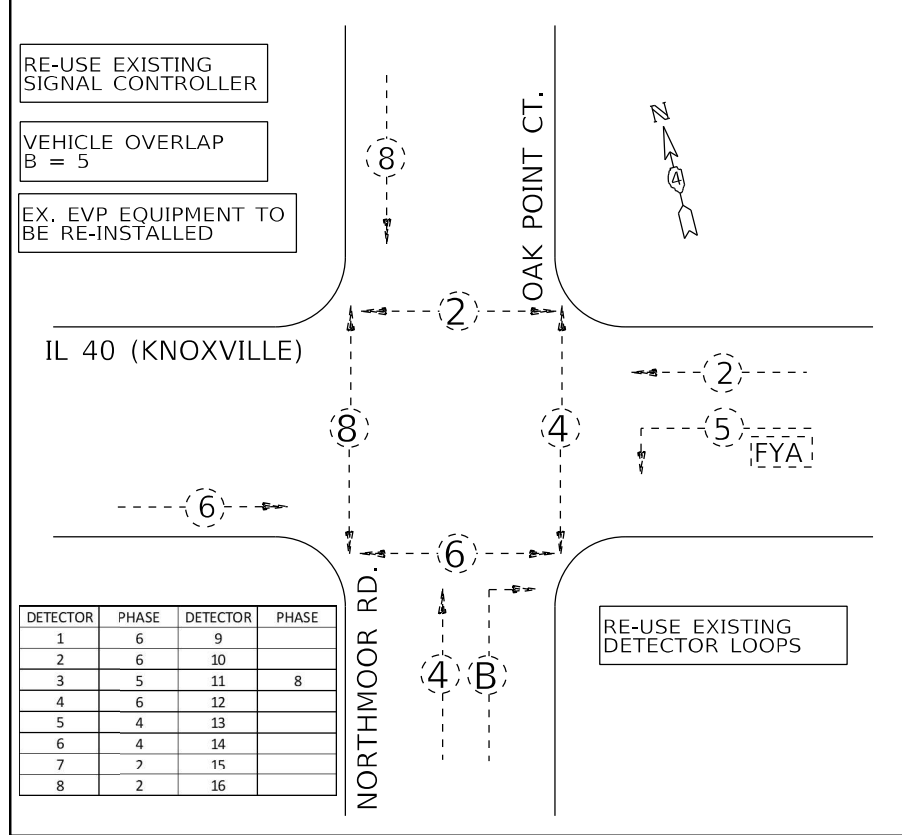
US 150 (PEORIA) & IL 117 (EUREKA) - GOODFIELD



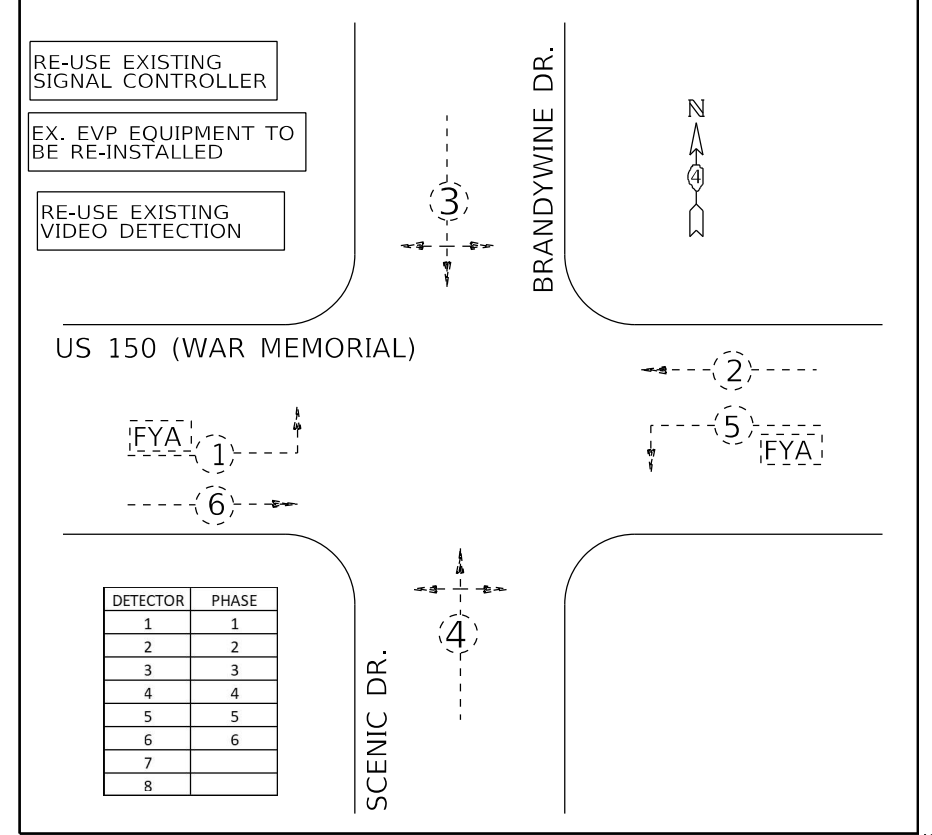
IL 40 (KNOXVILLE) & RAVINSWOOD/MIRAMAR - PEORIA



IL 40 (KNOXVILLE) & NORTHMOOR/OAK POINT - PEORIA



US 150 (WAR MEMORIAL) & BRANDYWINE/SCENIC - PEORIA



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PLOT DATE = 3/18/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PHASE DIAGRAMS - CONTINUED

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 ITS 2024	VARIOUS	16	13
			CONTRACT NO. 68111	
		ILLINOIS FED. AID PROJECT		

NOT TO SCALE

IL 40 (KNOXVILLE) & LAKE - PEORIA

RE-USE EXISTING SIGNAL CONTROLLER

EX. EVP EQUIPMENT TO BE RE-INSTALLED

RE-USE EXISTING VIDEO DETECTION

LAKE AVE.

IL 40 (KNOXVILLE)

DETECTOR	PHASE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

IL 116 (PLANK) & MAXWELL - PEORIA COUNTY

RE-USE EXISTING SIGNAL CONTROLLER

RE-USE EXISTING DETECTOR LOOPS

LAKE AVE.

IL 40 (KNOXVILLE)

DETECTOR	PHASE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

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NOT TO SCALE

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	DATE -	REVISED -

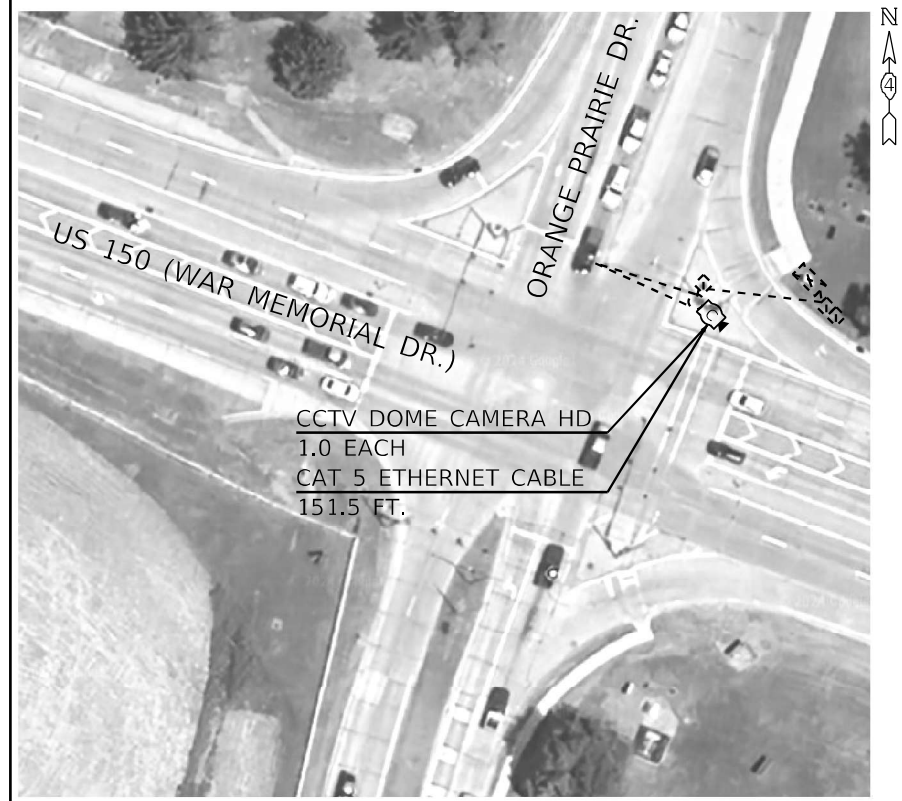
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL PHASE DIAGRAMS - CONTINUED

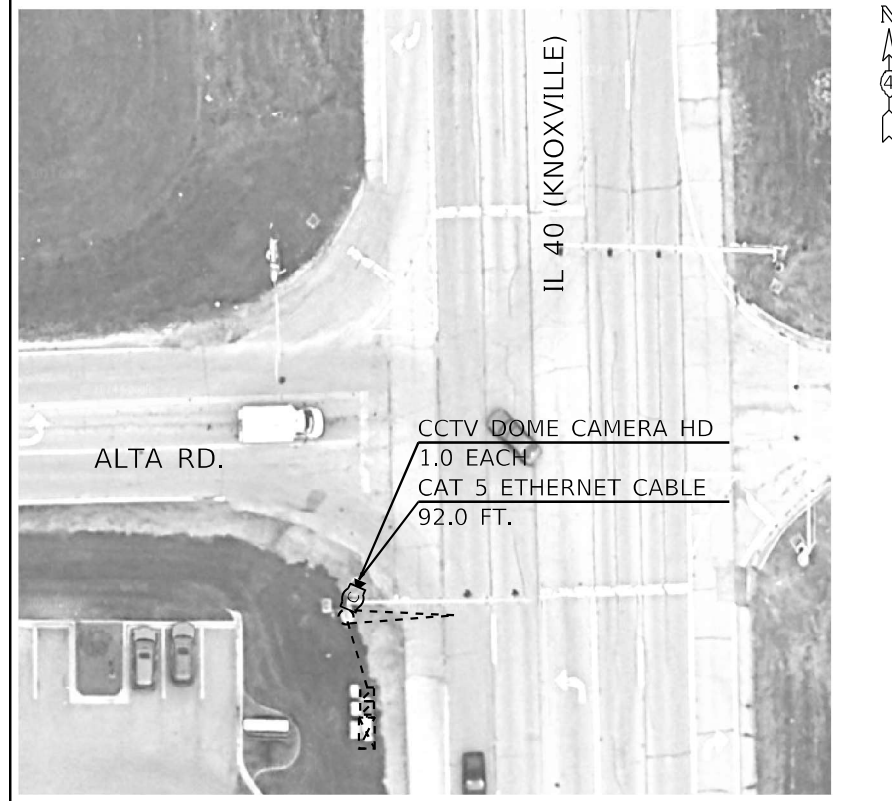
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 ITS 2024	VARIOUS	16	14
			CONTRACT NO. 68J11	
		ILLINOIS FED. AID PROJECT		

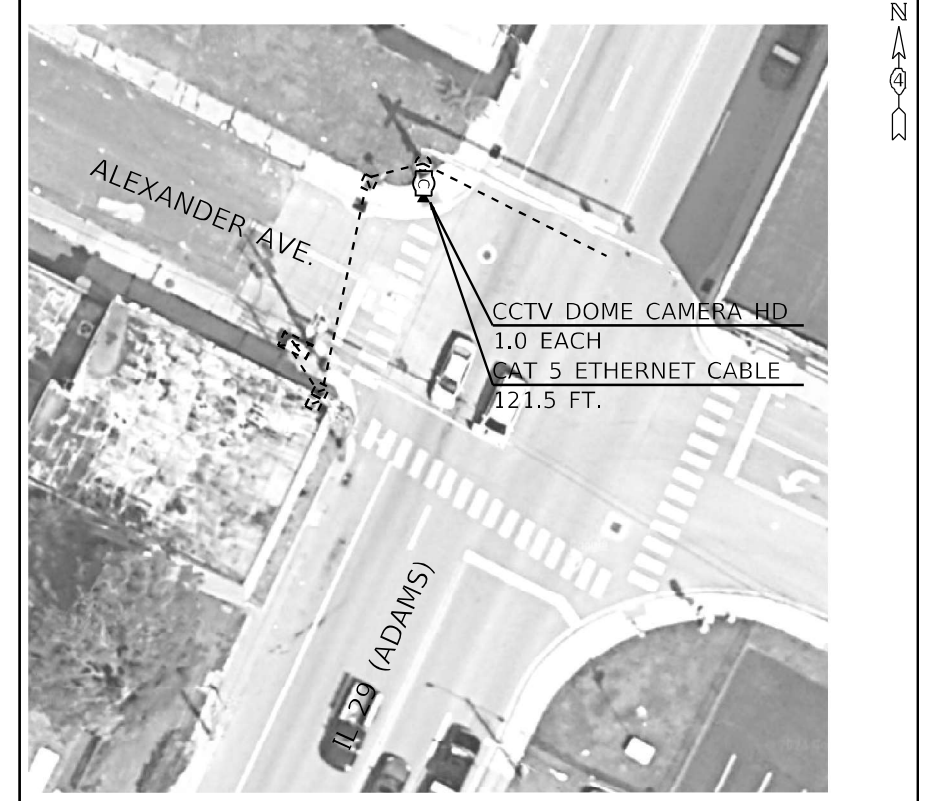
US 150 (WAR MEMORIAL) & ORANGE PRAIRIE - PEORIA



IL 40 (KNOXVILLE) & ALTA - PEORIA



IL 29 (ADAMS) & ALEXANDER - PEORIA



IL 29 (ADAMS) & SLOAN - PEORIA



- NOTES:
1. CCTV CAMERAS SHALL BE INSTALLED AT 43 FT. MOUNTING HEIGHT ON COMBINATION MAST ARMS.
 2. CCTV CAMERAS SHALL BE INSTALLED AT 20 FT. MOUNTING HEIGHT ON NON-COMBINATION MAST ARMS.

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PLOT DATE = 3/18/2024	DATE -	REVISED -

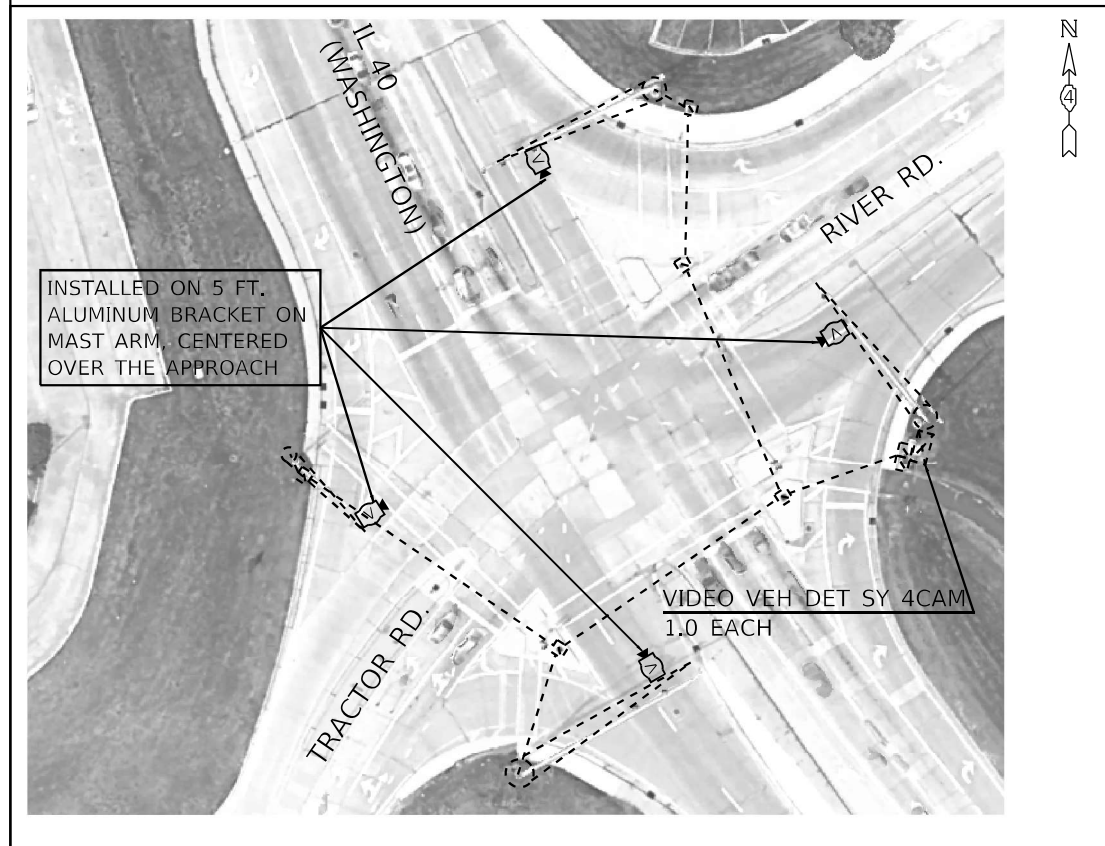
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED CCTV CAMERA LOCATIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

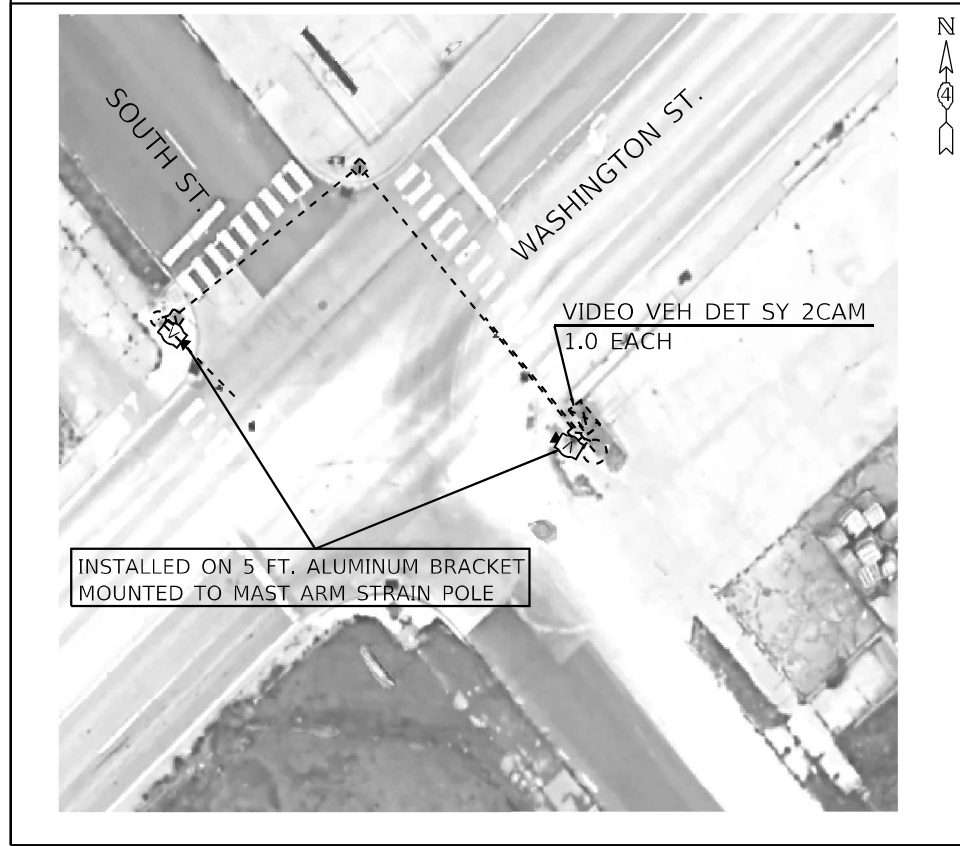
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 ITS 2024	VARIOUS	16	15
			CONTRACT NO. 68111	
ILLINOIS FED. AID PROJECT				

NOT TO SCALE

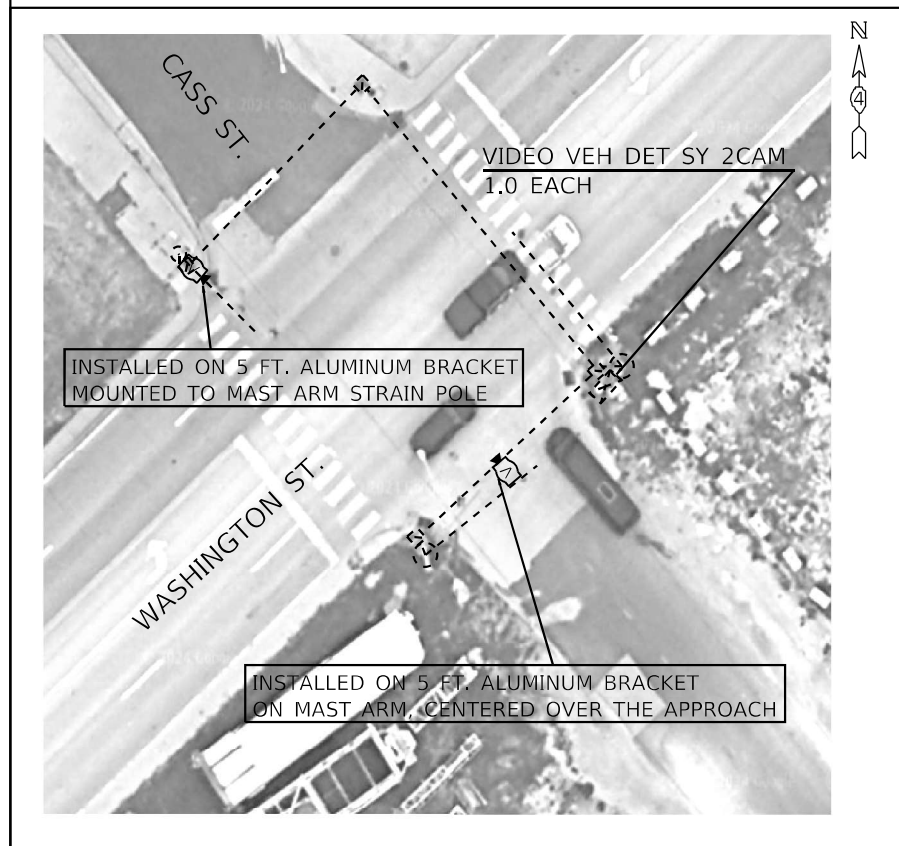
IL 40 (WASHINGTON) & RIVER/TRACTOR - EAST PEORIA



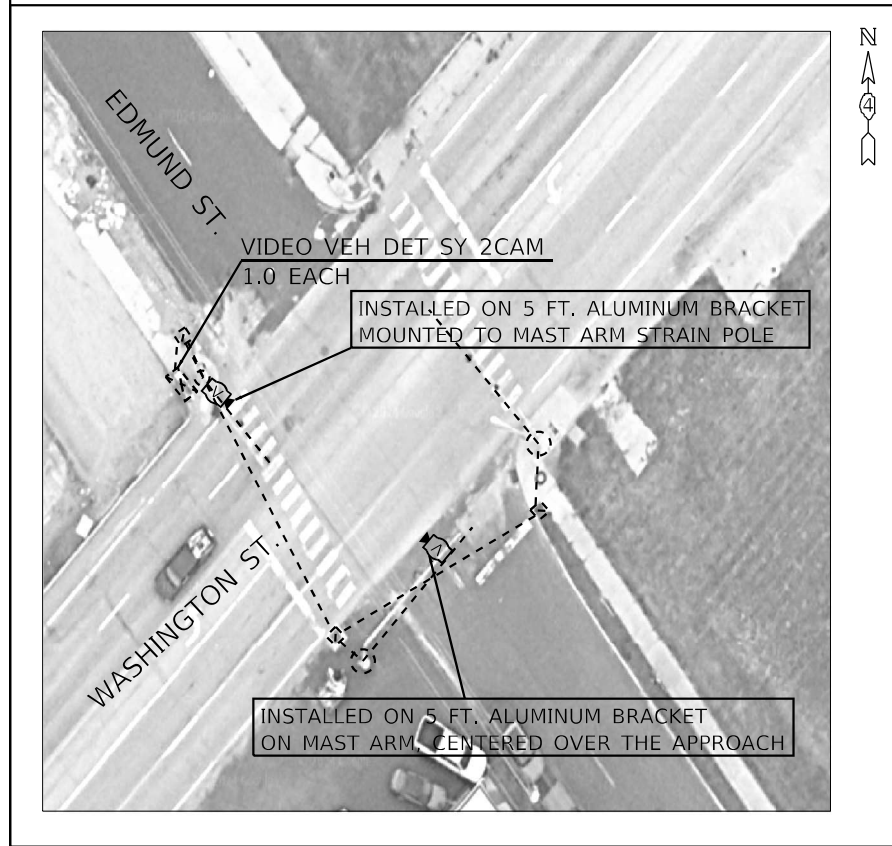
WASHINGTON & SOUTH - PEORIA



WASHINGTON & CASS - PEORIA



WASHINGTON & EDMUND - PEORIA



NOTES:

1. VIDEO DETECTION CAMERAS SHALL BE CENTERED OVER THE APPROACH AND INSTALLED ON 5 FT. ALUMINUM BRACKETS AS SHOWN IN THE PLANS.
2. VIDEO DETECTION CAMERAS SHALL BE INSTALLED ON 5 FT. ALUMINUM MOUNTING BRACKETS MOUNTED TO THE MAST ARM STRAIN POLE AS SHOWN IN THE PLANS.

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED VIDEO DETECTION LOCATIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 ITS 2024	VARIOUS	16	16
CONTRACT NO. 68J11				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE