

096

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		JACKSON	7	1
ILLINOIS			CONTRACT NO. 78767	

FAP 331/FAS 1909 SECTION 09 TRAFFIC SIGNAL 2020-1

FOR INDEX OF SHEETS, SEE SHEET NO. 3  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

# PROPOSED HIGHWAY PLANS

FAP 331/FAS 1909 (IL 149/IL 127)  
SECTION D9 TRAFFIC SIGNAL 2020-1

## TRAFFIC DATA

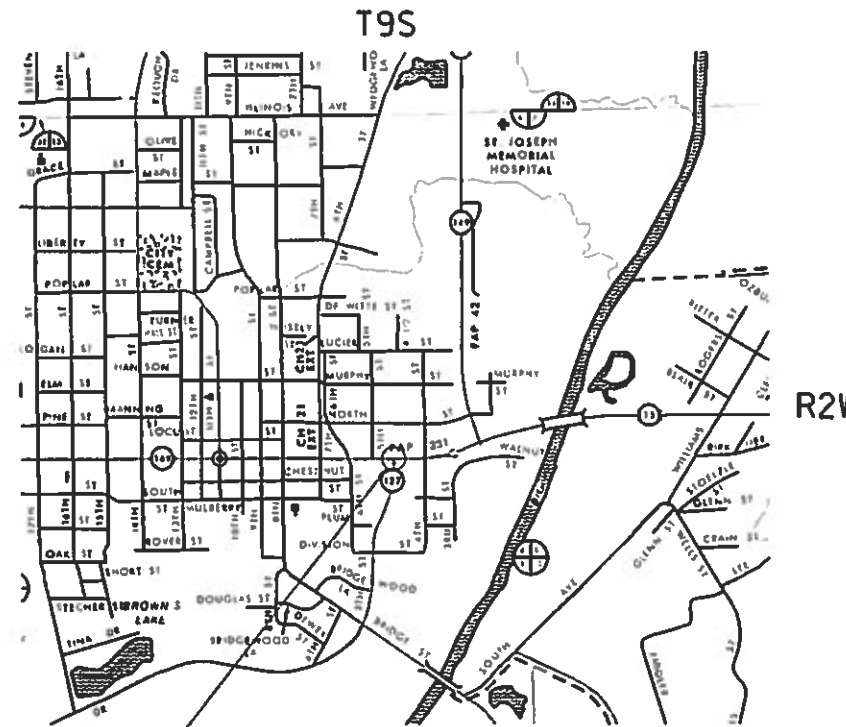
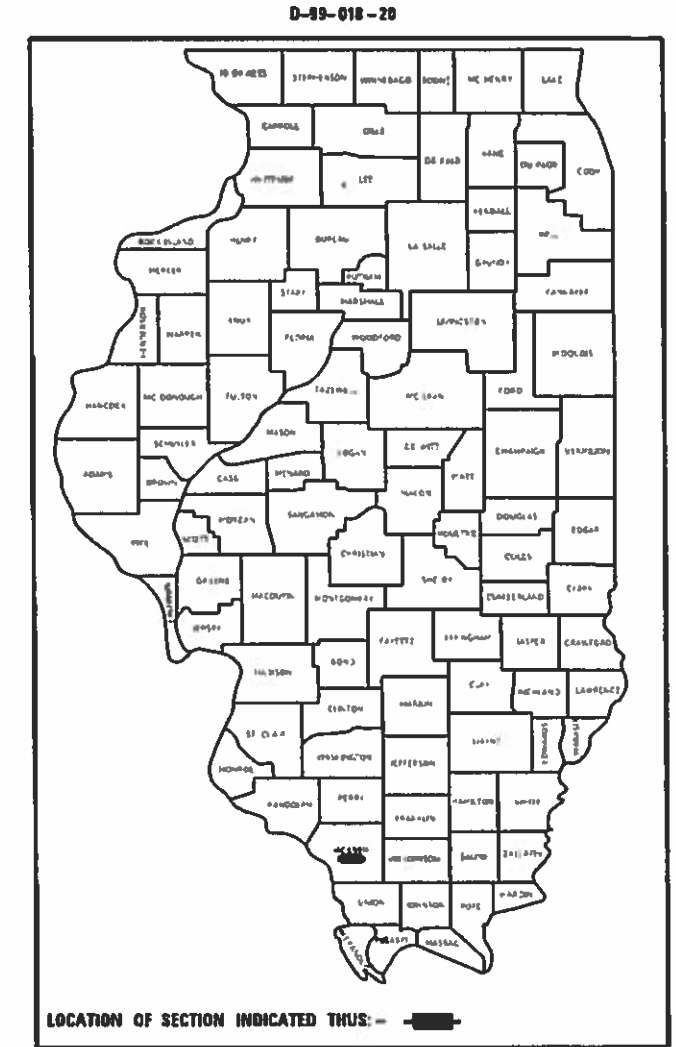
IL 149 ADT (2017) 13,200 3% TRUCKS  
IL 127 ADT (2017) 3,420 3% TRUCKS

## SIGNAL MODIFICATION JACKSON COUNTY

C-99-026-20

## TOWNSHIPS

MURPHYSBORO



PROPOSED IMPROVEMENT AT  
IL 149 AND IL 127

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-8123  
OR 811

PROJECT ENGINEER SUSAN POE  
PROJECT DESIGNER SUSAN POE

CONTRACT NO. 78767

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 31 2020

Keith Robertson  
REGION FIVE ENGINEER

March 20 2020  
S. E. A. Etk  
ENGINEER OF DESIGN AND ENVIRONMENT

March 20 2020  
James A. Orr  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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DISTRICT STUDIES & PLANS ENGINEER

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DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie Nelson  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Kellie G  
DISTRICT OPERATIONS ENGINEER

Examined By: Keith Roberts  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: \_\_\_\_\_  
DISTRICT CONSTRUCTION ENGINEER

Examined By: [Signature]  
DISTRICT MATERIALS ENGINEER

FILE NAME *	USER NAME * poesi	DESIGNED -	REVISED -
p:\planroom\detroit\illinois\p\1007\Docu	ents\DOT Offices\District 9\Projects\78767	DRAWN\Design\0978767-Design.dgn	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/27/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	*	JACKSON	7	2
CONTRACT NO. 78767				
ILLINOIS FED. AID PROJECT				

# INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, STANDARDS AND COMMITMENTS
4	SUMMARY OF QUANTITIES
5	TRAFFIC SIGNAL PLAN
6	WIRING DIAGRAM
7	PHASE DESIGNATION DIAGRAM

# HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS AND ABBREVIATIONS & 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
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES

# COMMITMENTS

NONE

REV. - MS

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			*	*	JACKSON	7	3	
PLOT DATE = 1/31/2020	CHECKED -	REVISED -			CONTRACT NO. 78767					
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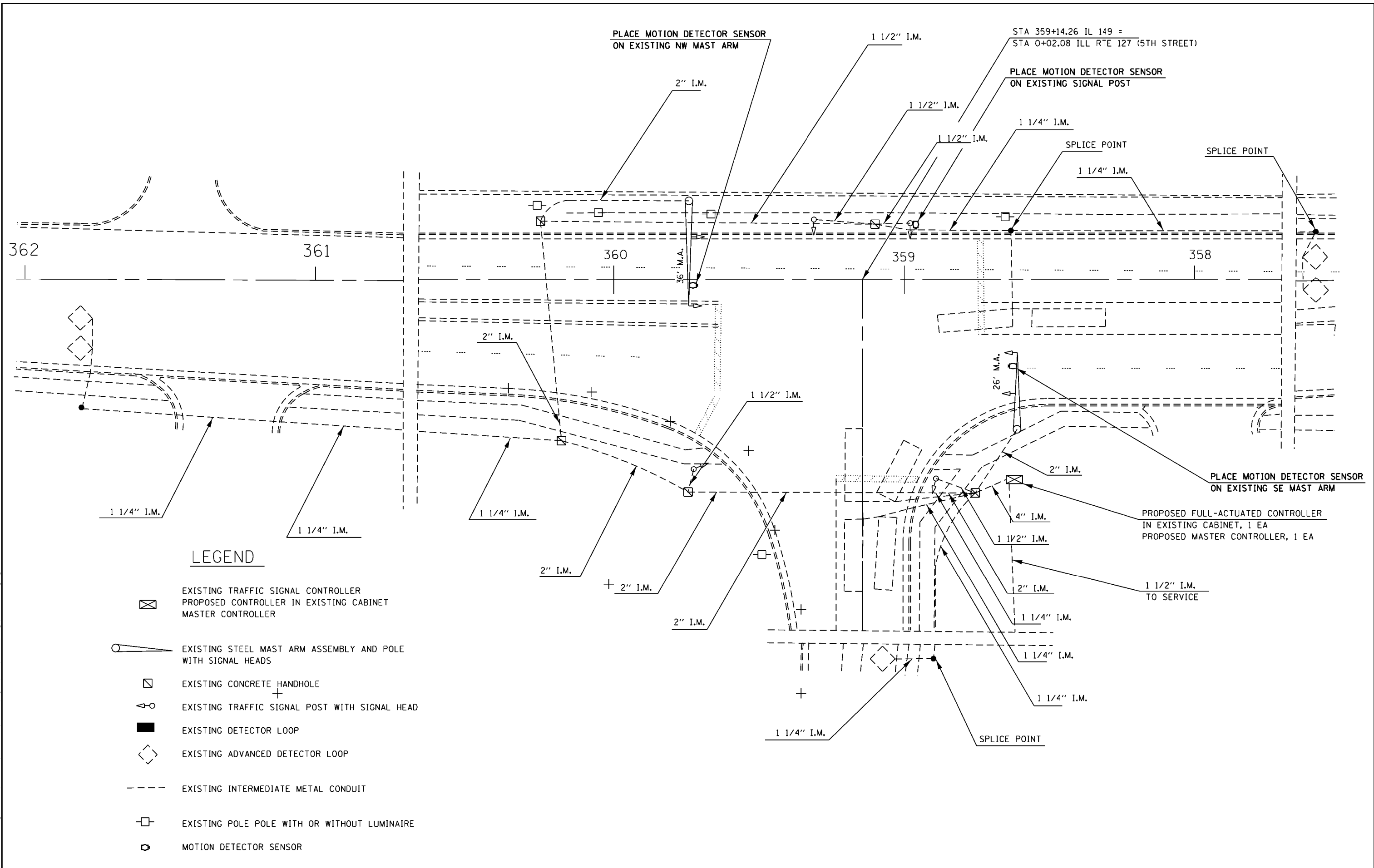
\*FAP 331/FAS 1909 SECTION D9 TRAFFIC SIGNAL 2020-1

# SUMMARY OF QUANTITIES

ROUTE:	IL 127/IL 149
COUNTY:	JACKSON
FUNDING:	100% STATE
LOCATION:	URBAN
	ROADWAY
	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
67100100	MOBILIZATION	L SUM	1.0
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1.0
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.0
86000100	MASTER CONTROLLER	EACH	1.0
X0325476	RADAR VEHICLE DETECTION SYSTEM	EACH	1.0
X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1.0

MODEL: Default  
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 PROJECT: 78767  
 CADD: Data Design  
 DISTRICT: 9  
 COUNTY: JACKSON  
 CONTRACT: 78767



**LEGEND**

- EXISTING TRAFFIC SIGNAL CONTROLLER  
PROPOSED CONTROLLER IN EXISTING CABINET  
MASTER CONTROLLER
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE  
WITH SIGNAL HEADS
- EXISTING CONCRETE HANDHOLE
- EXISTING TRAFFIC SIGNAL POST WITH SIGNAL HEAD
- EXISTING DETECTOR LOOP
- EXISTING ADVANCED DETECTOR LOOP
- EXISTING INTERMEDIATE METAL CONDUIT
- EXISTING POLE WITH OR WITHOUT LUMINAIRE
- MOTION DETECTOR SENSOR

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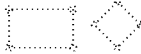








**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

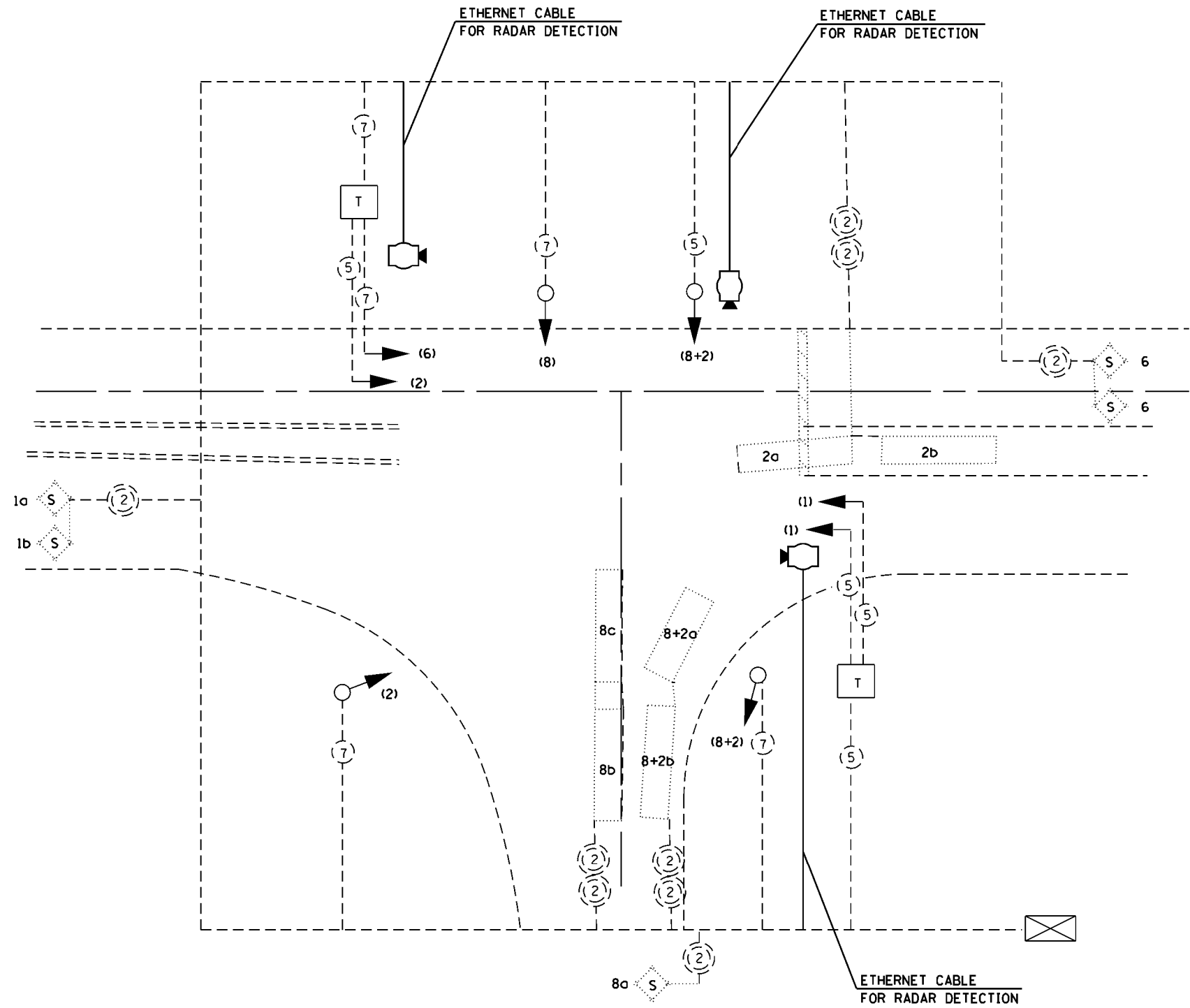
**TRAFFIC SIGNAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		JACKSON	7	5
CONTRACT NO. 78767				
ILLINOIS FED. AID PROJECT				

# LEGEND

-  EXISTING DETECTOR LOOPS TO BE ABANDONED
-  EXISTING SIGNAL HEAD
-  EXISTING TERMINAL BLOCK ON MAST ARM
-  EXISTING 2/C TWISTED, SHIELDED CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE NUMBER INDICATES NUMBER OF CONDUCTORS IN THAT CABLE
-  PROPOSED MOTION DETECTOR SENSOR TO BE PAID FOR AS RADAR VEHICLE DETECTION SYSTEM
-  NUMBER IN PARENTHESIS INDICATES PHASE
-  TRAFFIC SIGNAL POST
-  EXISTING TRAFFIC SIGNAL CONTROLLER PROPOSED CONTROLLER IN EXISTING CABINET MASTER CONTROLLER



MODEL: Default  
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 PROJECT: 78767  
 OFFICE: District 9  
 PROJECT: 78767  
 DESIGN: 4/19/2020

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	DRAWN -	REVISED -
PLOT SCALE = 30.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 1/31/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**WIRING DIAGRAM**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		JACKSON	7	6
CONTRACT NO. 78767				
ILLINOIS FED. AID PROJECT				

