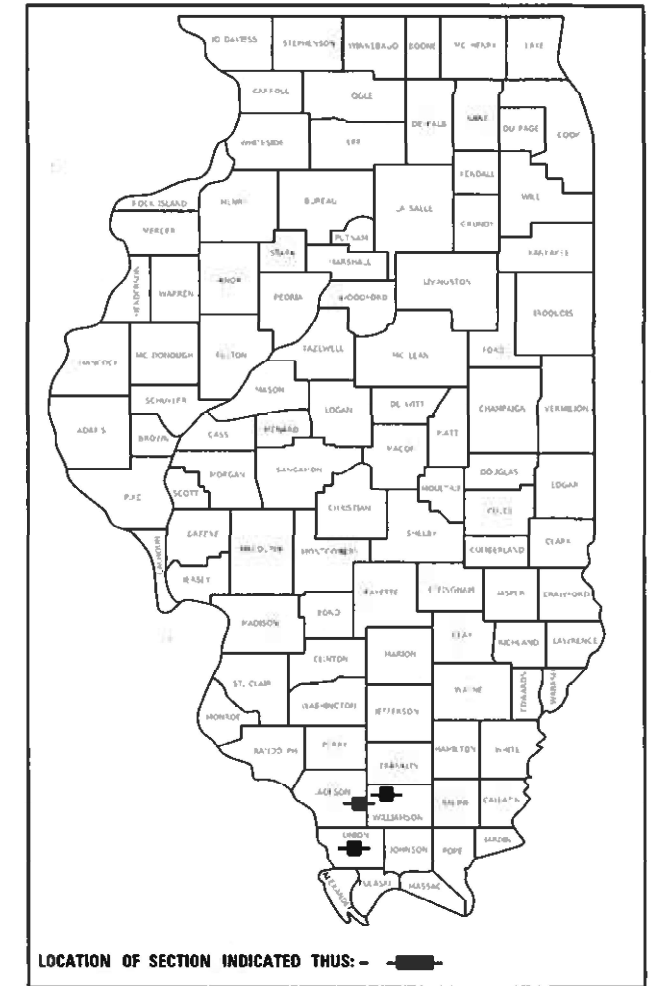


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	1
		ILLINOIS	CONTRACT NO. 78947	

D-99-041-22



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

**PROPOSED
HIGHWAY PLANS**
VARIOUS ROUTES
SECTION D9 RAILROAD SIGNAL FY22-1
PROJECT
TRAFFIC SIGNAL IMPROVEMENT
VARIOUS COUNTIES

C-99-054-22



P.B.F.

3-23-2022

P. BRIEM FUNK II
EXPIRES: 11-30-2023

DATE

iteris

ITERIS, INC.
319 W STATE STREET, SUITE 200
GENEVA, IL 60134

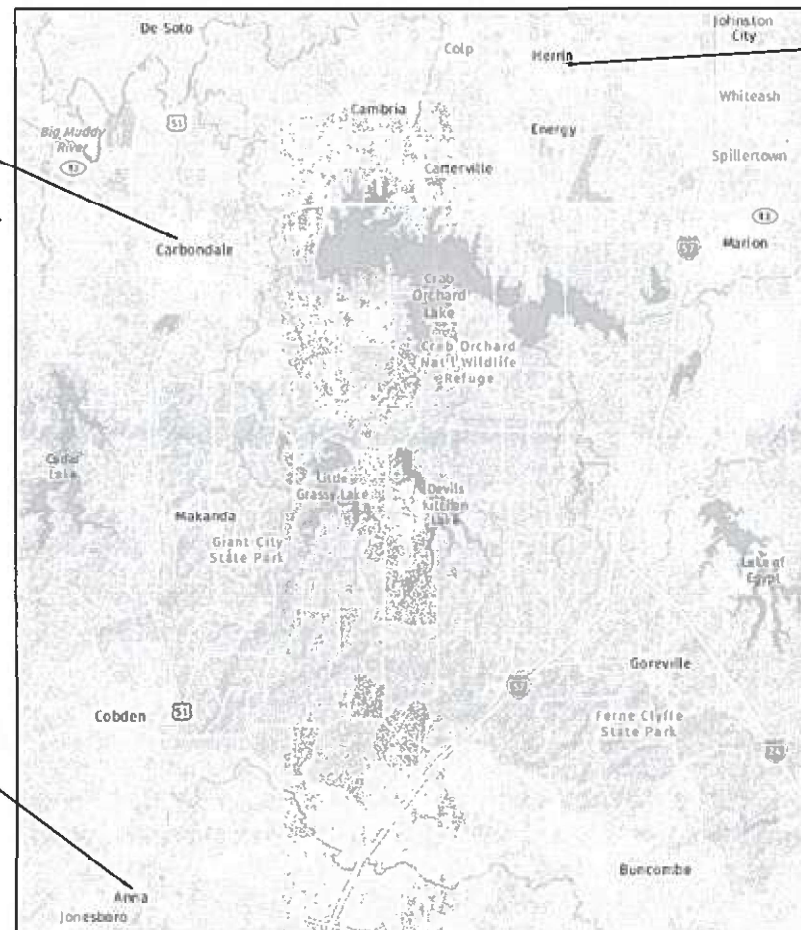
IL DESIGN FIRM NO: 184007145-0002

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

PROJECT ENGINEER SUSAN POE

CONTRACT NO. 78947

**PROJECT LOCATION
CARBONDALE**
-US 51 NB AND OAK ST
-US 51 NB AND IL 13 WB
-IL 13 EB AND WASHINGTON ST
-US 51 NB AND COLLEGE ST
-US 51 AND GRAND AV



**PROJECT LOCATION
ANNA**
-IL 146 AND DAVIE ST

**PROJECT LOCATION
HERRIN**
-IL 148 AND CHERRY ST

GROSS LENGTH = INTERSECTION
NET LENGTH = INTERSECTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 23 20 22

Stephen M. Jauria
REGION FIVE ENGINEER

December 9, 2022

Susan A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 2022

Stephen M. Jauria
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Prepared By: Charles Stein
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie Nelson
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: R. C. [Signature]
DISTRICT OPERATIONS ENGINEER

Examined By: David J. [Signature]
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: David J. [Signature]
DISTRICT CONSTRUCTION ENGINEER

Examined By: R. C. [Signature]
DISTRICT MATERIALS ENGINEER

MODIFY: SMOYH NAWAS
FILE NAME: TEL1EUS



USER NAME = SUSER5	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = SCALES	CHECKED -	REVISED -
PLOT DATE = SDATES	DATE - 3/23/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	2
			CONTRACT NO. 78947	
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

- 1 COVER SHEET
- 2 SIGNATURE SHEET
- 3 LOCATION MAP, INDEX OF SHEETS, HIGHWAY STANDARDS
- 4 SUMMARY OF QUANTITIES
- 5-16 TRAFFIC SIGNAL MODIFICATION PLANS
- 17 GROUND MOUNT SERVICE DETAIL

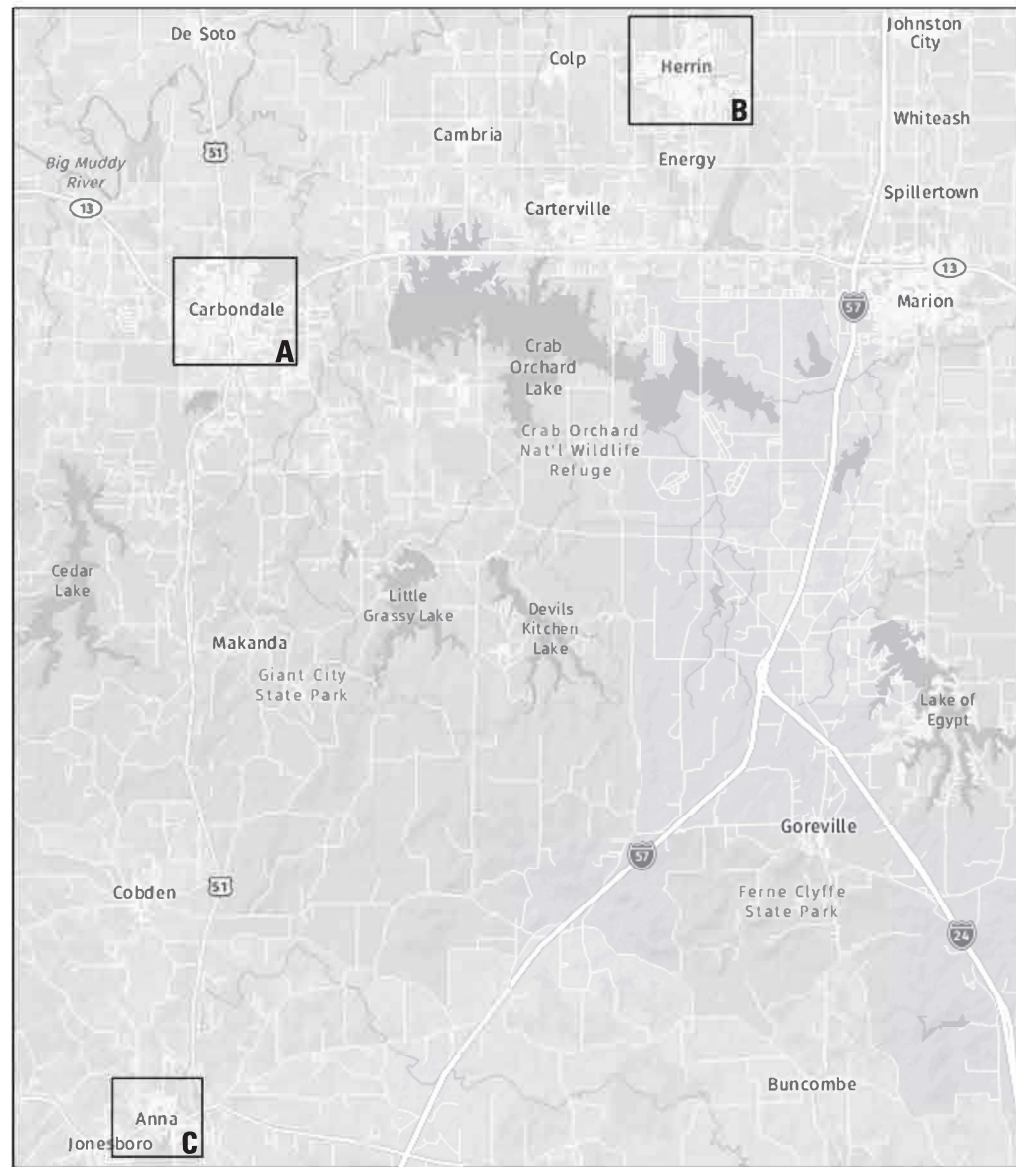
IDOT HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 878001-11 CONCRETE FOUNDATION DETAILS
- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 857006-01 SUPERVISED RAILROAD INTERCONNECT CIRCUIT
- 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)
- 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING

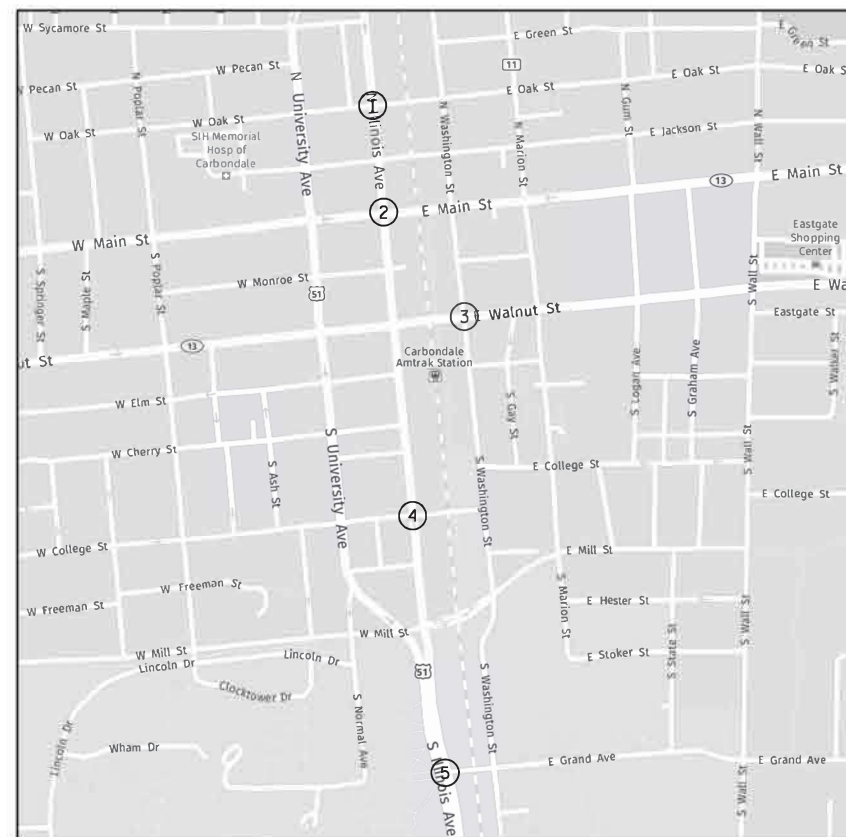
SUMMARY OF LOCATIONS

NO.	SHEET	INTERSECTION/INTERCONNECT
1	5	US ROUTE 51 NB (ILLINOIS AVENUE) & OAK STREET
2	7	US ROUTE 51 NB (ILLINOIS AVENUE) & IL ROUTE 13 WB (MAIN STREET)
3	9	IL ROUTE 13 EB (WALNUT STREET) & WASHINGTON STREET
4	11	US ROUTE 51 NB (ILLINOIS AVENUE) & COLLEGE STREET
5	13	US ROUTE 51 (ILLINOIS AVENUE) & GRAND AVENUE
6	15	IL ROUTE 148 (PARK AVENUE) & CHERRY STREET
7	16	IL ROUTE 146 (MAIN STREET) & DAVIE STREET

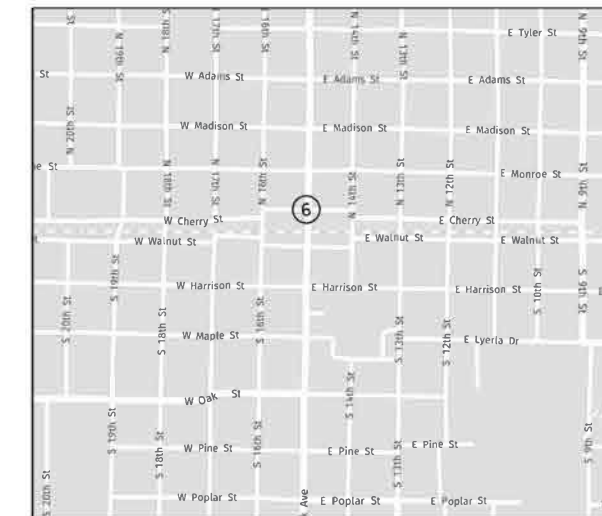
LOCATION MAP



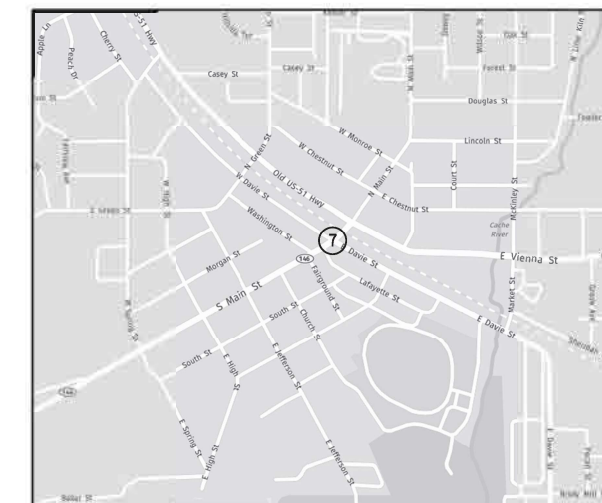
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B



C



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	DATE - 9/29/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, HIGHWAY STANDARDS, LOCATION MAP

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	3
			CONTRACT NO. 78947	
ILLINOIS FED. AID PROJECT				

REV. - MS

COUNTY:	JACKSON	WILLIAMSON	UNION
ROUTE:	VARIOUS	FAP 726 (IL 148)	FAP 885 (IL 146)
FUNDING:	100% STATE	100% STATE	100% STATE
LOCATION:	URBAN	URBAN	URBAN
	STATEWIDE RR FUNDS	D9 FUNDS	STATEWIDE RR FUNDS
	0021	0021	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	STATEWIDE RR FUNDS	D9 FUNDS	STATEWIDE RR FUNDS	STATEWIDE RR FUNDS
67100100	MOBILIZATION	L SUM	1	0.7		0.15	0.15
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.6		0.2	0.2
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.8		0.2	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.7		0.15	0.15
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.7		0.15	0.15
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	5		5		
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	265		265		
85700310	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	7	5		1	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	2			1	1
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	350		350		
87900100	DRILL EXISTING FOUNDATION	EACH	4		4		
88500100	INDUCTIVE LOOP DETECTOR	EACH	34	24		4	6
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5	5			
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	7	5		1	1
X1400214	SPARE RAILROAD, FULL ACTUATED CONTROLLER , SPECIAL	EACH	7	5		1	1
X1700066	POTHOLING	EACH	6		6		
X7340100	CONCRETE FOUNDATIONS, GROUND MOUNT	CU YD	2.5		2.5		
X8100105	CONDUIT SPLICE	EACH	2		2		

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PLOT DATE = \$DATES	DATE - 9/29/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	4
			CONTRACT NO. 78947	
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL LEGEND

- ☒ PROPOSED CONTROLLER CABINET
- ☒ PROPOSED GROUND MOUNT SERVICE CABINET

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THIS WORK SHALL BE PAID FOR UNDER "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH TRAFFIC SIGNAL CONTROLLER
- 4 EACH LOOP AMPLIFIER
- 1 EACH CONFLICT MONITOR UNIT

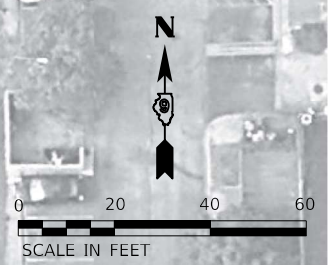
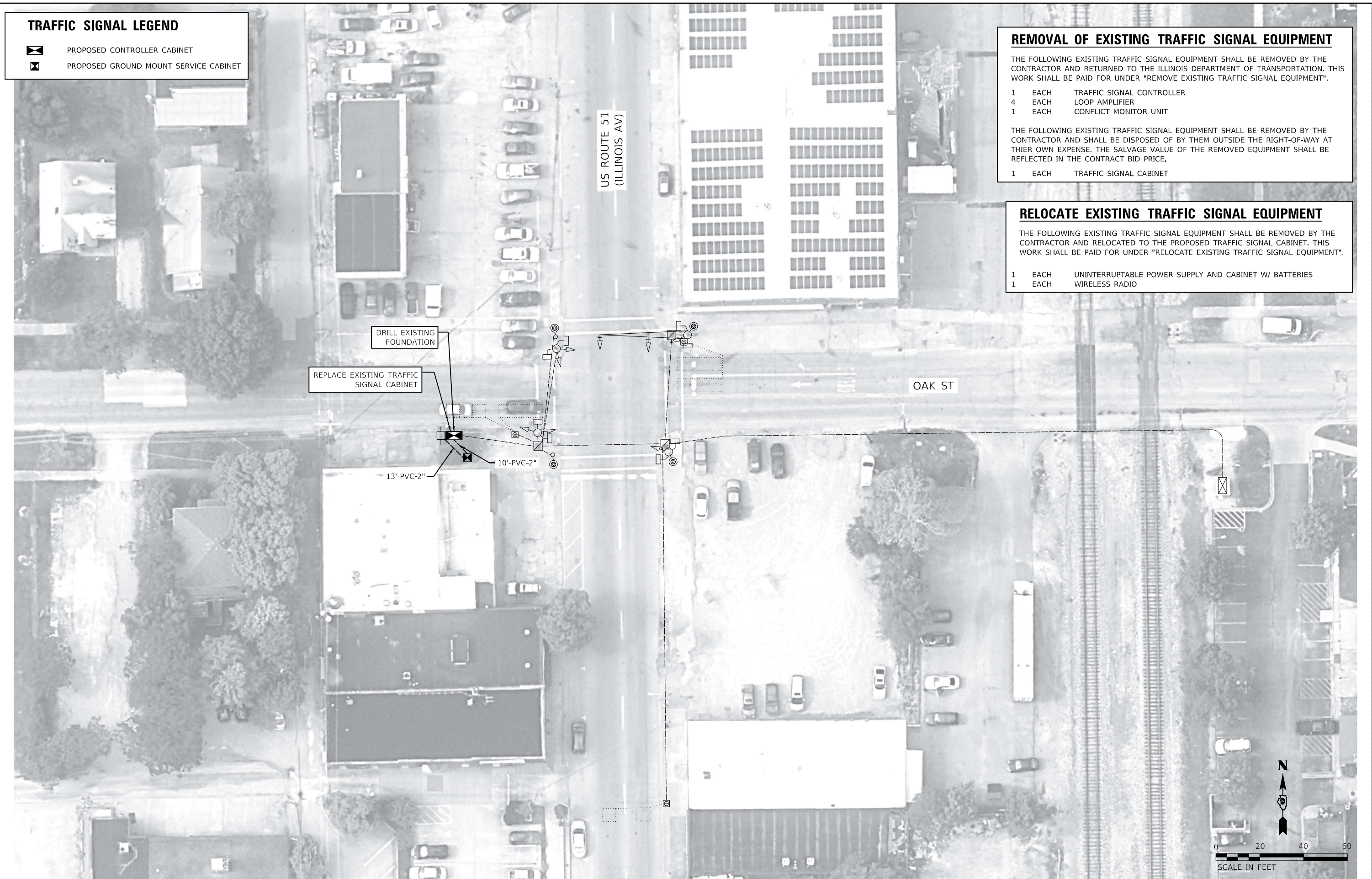
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR OWN EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH TRAFFIC SIGNAL CABINET

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH UNINTERRUPTABLE POWER SUPPLY AND CABINET W/ BATTERIES
- 1 EACH WIRELESS RADIO



MODEL: \$MODELNUMBERS
FILE: \$NAME\$. \$SUFFIX



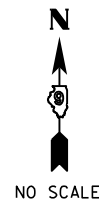
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 51 (ILLINOIS AV) AND OAK STREET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	5
			CONTRACT NO. 78947	
		ILLINOIS	FED. AID PROJECT	

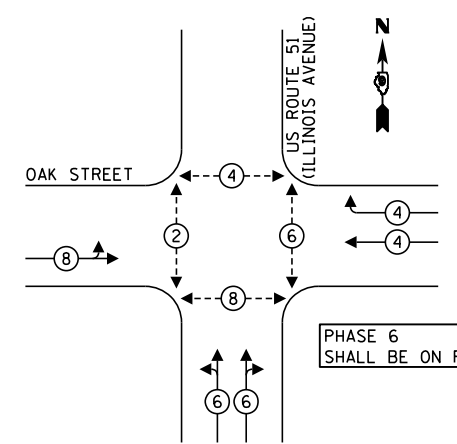
SCALE: SHEET OF SHEETS STA. TO STA.



TRAFFIC SIGNAL LEGEND

	PROP. TRAFFIC SIGNAL CONTROLLER
	PROP. GROUND MOUNT SERVICE
	EX. VEHICLE DETECTOR, INDUCTION LOOP
	EX. TERMINAL BLOCK
	EX. NO. OF CONDUCTORS IN CABLE
	EX. 12" SIGNAL HEAD
	EX. PEDESTRIAN PUSH BUTTON
	EX. PEDESTRIAN SIGNAL HEAD

EXISTING CONTROLLER SEQUENCE



LEGEND:

	PROTECTED PHASE
	PROTECTED/PERMITTED PHASE
	PEDESTRIAN PHASE
	OVERLAP

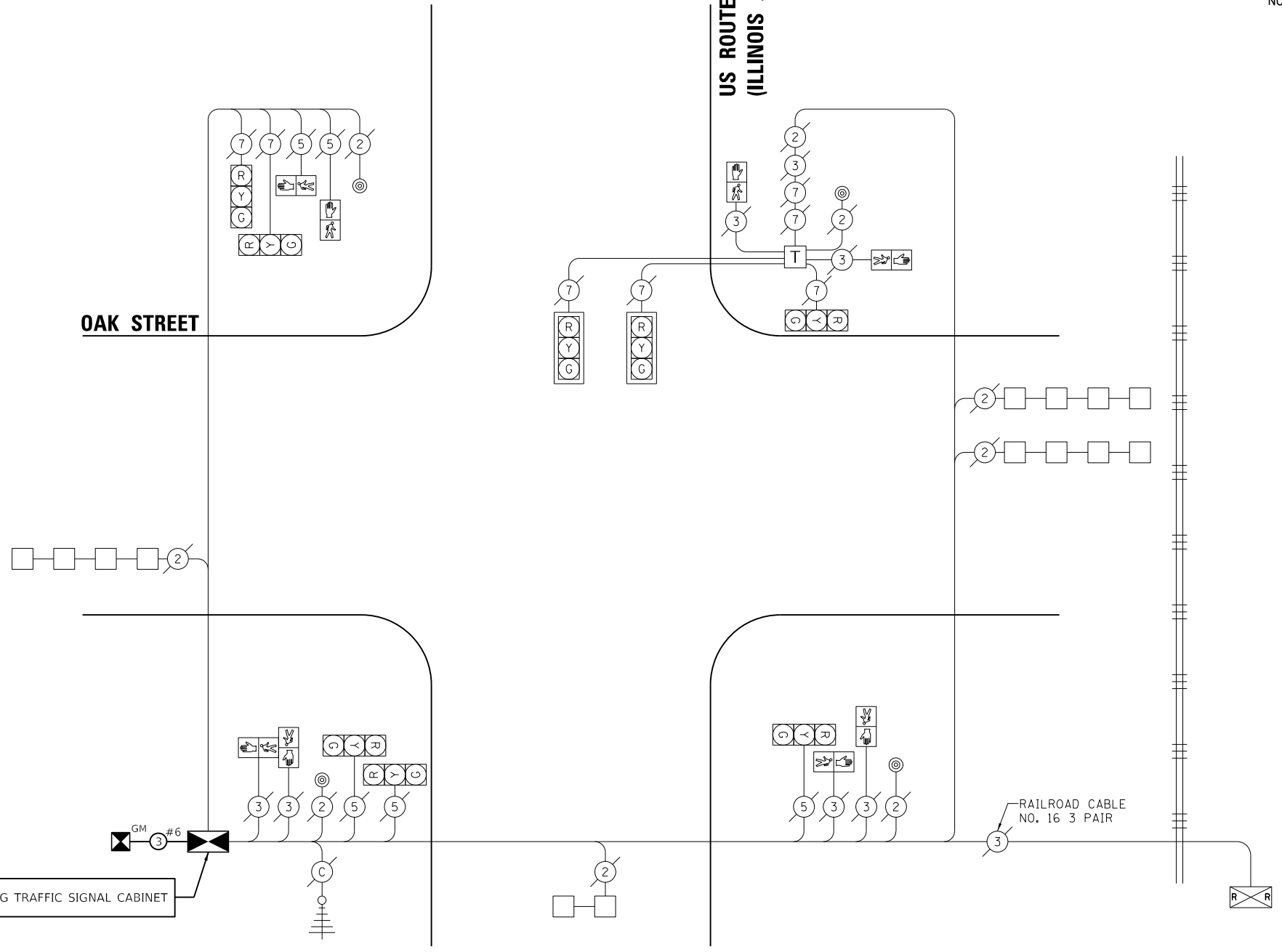
RAILROAD PREEMPTION SEQUENCE:

TRACK CLEAR PHASE: 4
 DWELL PHASE: 6
 EXIT PHASE: 4+8

UPON A DEMAND FOR RR PREEMPTION, ANY ACTIVE NON-TRACK CLEAR PHASES SHALL TERMINATE. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO THROUGH THE ASSOCIATED VEHICULAR YELLOW CLEARANCE INTERVAL ONLY.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	35
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	60
DRILL EXISTING FOUNDATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	4
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
SPARE RAILROAD, FULL ACTUATED CONTROLLER, SPECIAL	EACH	1
POTHOLING	EACH	1
CONCRETE FOUNDATIONS, GROUND MOUNT	CU YD	0.5



CABLE PLAN
(NOT TO SCALE)

MODEL: 4400BELNAMES
FILE NAME: STEELS



USER NAME = \$USERS	DESIGNED - KSB	REVISED - BF 5/27/22
PLOT SCALE = \$SCALES	DRAWN - KSB	REVISED -
PLOT DATE = \$DATES	CHECKED - BF	REVISED -
	DATE - 3/23/22	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN
US ROUTE 51 (ILLINOIS AVENUE) AND OAK STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	6
			CONTRACT NO. 78947	
		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

-  PROPOSED CONTROLLER CABINET
-  PROPOSED GROUND MOUNT SERVICE CABINET

NOTES:

1. INTERCEPT EXISTING SERVICE CONDUIT. COUPLE EXISTING CONDUIT WITH PROPOSED CONDUIT TO NEW GROUND MOUNT SERVICE CABINET.
2. LAND EXISTING SERVICE CABLE IN PROPOSED GROUND MOUNT SERVICE CABINET. PULL NEW SERVICE CABLE BETWEEN POWER SOURCE AND PROPOSED GROUND MOUNT SERVICE.
3. CONTRACTOR SHALL ENSURE THAT FIBER OPTIC COMMUNICATION BETWEEN THE NEW TRAFFIC SIGNAL CABINET AND IDOT'S CENTRAL SIGNAL SYSTEM IS OPERATIONAL UPON COMPLETION OF THE PROPOSED WORK.



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THIS WORK SHALL BE PAID FOR UNDER "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH TRAFFIC SIGNAL CONTROLLER
- 2 EACH LOOP AMPLIFIER
- 1 EACH CONFLICT MONITOR UNIT
- 1 EACH LIGHTING CONTROLLER

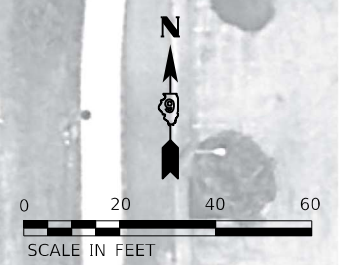
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR OWN EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH TRAFFIC SIGNAL CABINET

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET, THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH UNINTERRUPTABLE POWER SUPPLY AND CABINET W/ BATTERIES
- 1 EACH ETHERNET SWITCH
- 1 EACH FIBER DISTRIBUTION PANEL



MODEL: \$MODELNAME\$
FILE: \$NAME\$.SHEETS



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	DRAWN - BF	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - ASG	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 51 (ILLINOIS AVENUE) AND IL ROUTE 13 (MAIN STREET)**

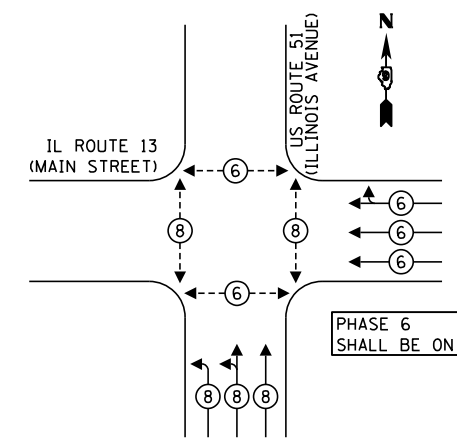
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	7
CONTRACT NO. 78947				
ILLINOIS		FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.

TRAFFIC SIGNAL LEGEND

	PROP. TRAFFIC SIGNAL CONTROLLER
	PROP. GROUND MOUNT SERVICE
	EX. FIBER OPTIC CABLE
	EX. VEHICLE DETECTOR, INDUCTION LOOP
	EX. TERMINAL BLOCK
	EX. NO. OF CONDUCTORS IN CABLE
	EX. 12" SIGNAL HEAD
	EX. LUMINAIRE
	EX. PEDESTRIAN SIGNAL HEAD

EXISTING CONTROLLER SEQUENCE



LEGEND:

	PROTECTED PHASE
	PROTECTED/PERMITTED PHASE
	PEDESTRIAN PHASE
	OVERLAP

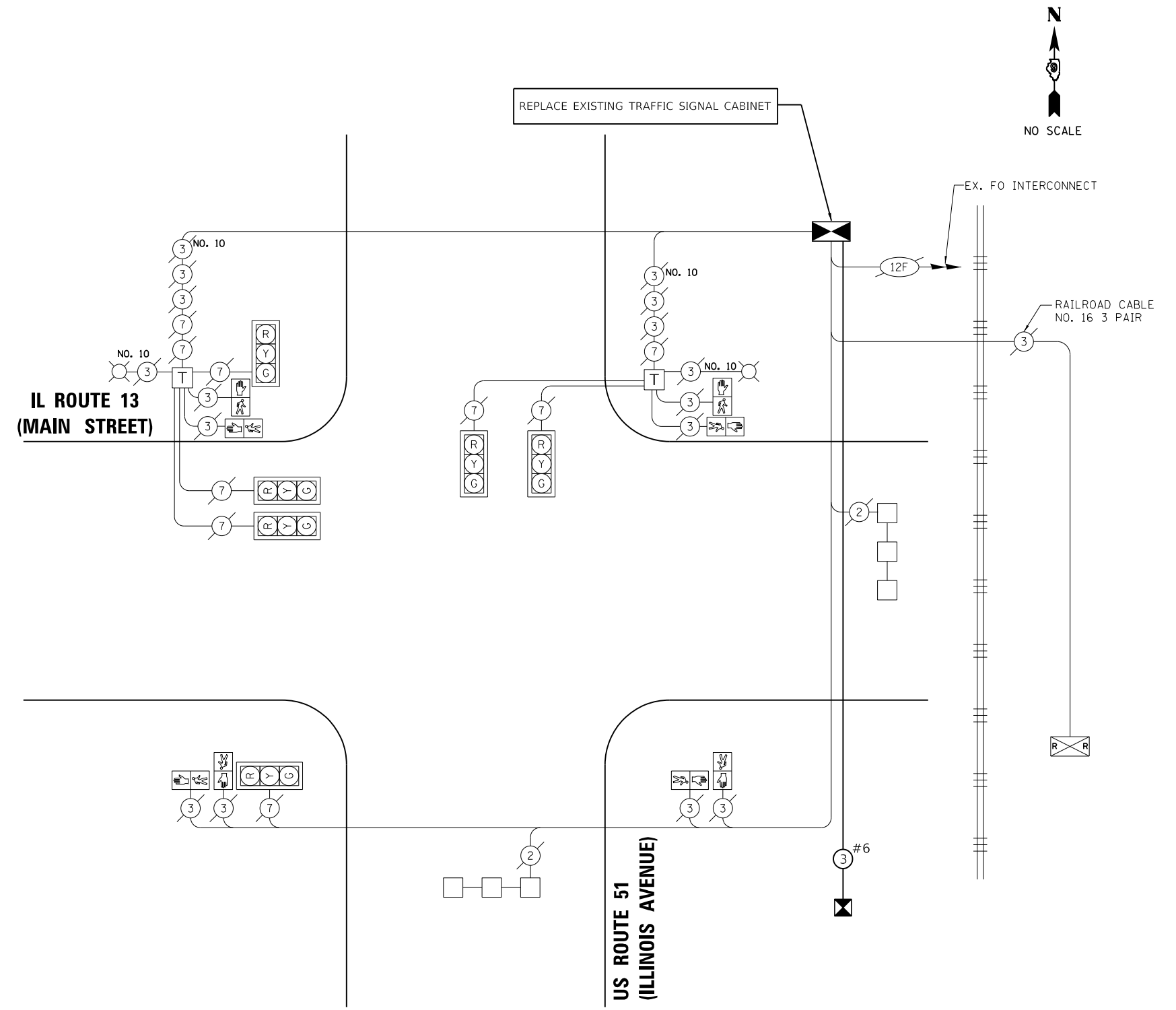
RAILROAD PREEMPTION SEQUENCE:

TRACK CLEAR PHASE: 6
 DWELL PHASE: 8
 EXIT PHASE: 6

UPON A DEMAND FOR RR PREEMPTION, ANY ACTIVE NON-TRACK CLEAR PHASES SHALL TERMINATE. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO THROUGH THE ASSOCIATED VEHICULAR YELLOW CLEARANCE INTERVAL ONLY.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	36
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	41
INDUCTIVE LOOP DETECTOR	EACH	2
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
SPARE RAILROAD, FULL ACTUATED CONTROLLER, SPECIAL	EACH	1
POTHOLING	EACH	1
CONCRETE FOUNDATIONS, GROUND MOUNT	CU YD	0.5
CONDUIT SPLICE	EACH	1



CABLE PLAN
(NOT TO SCALE)

MODEL: 4400BELNAMES
FILE NAME: STEELS



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	DATE - 3/23/22	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL CABLE PLAN
US ROUTE 51 (ILLINOIS AVENUE) AND IL ROUTE 13 (MAIN STREET)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	8
CONTRACT NO. 78947				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

TRAFFIC SIGNAL LEGEND

-  PROPOSED CONTROLLER CABINET
-  PROPOSED GROUND MOUNT SERVICE CABINET

NOTES:

1. CONTRACTOR SHALL ENSURE THAT FIBER OPTIC COMMUNICATION BETWEEN THE NEW TRAFFIC SIGNAL CABINET AND IDOT'S CENTRAL SIGNAL SYSTEM IS OPERATIONAL UPON COMPLETION OF THE PROPOSED WORK.

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THIS WORK SHALL BE PAID FOR UNDER "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH TRAFFIC SIGNAL CONTROLLER
- 2 EACH LOOP AMPLIFIER
- 1 EACH CONFLICT MONITOR UNIT

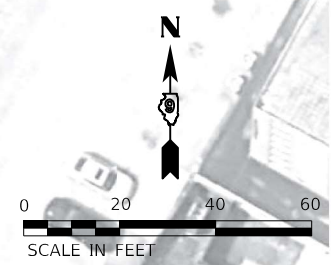
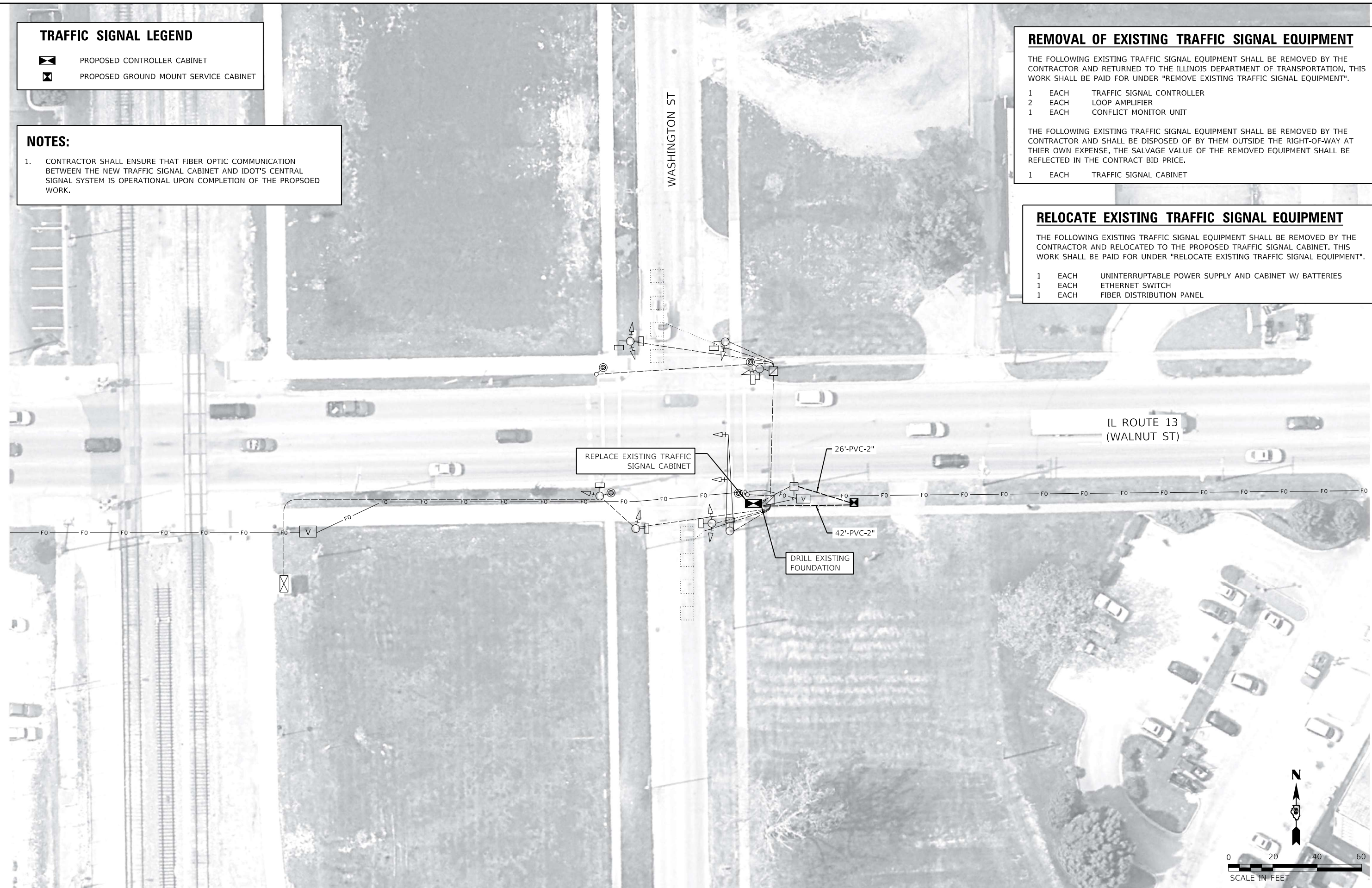
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR OWN EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH TRAFFIC SIGNAL CABINET

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH UNINTERRUPTABLE POWER SUPPLY AND CABINET W/ BATTERIES
- 1 EACH ETHERNET SWITCH
- 1 EACH FIBER DISTRIBUTION PANEL



MODEL: \$MODELNAME\$
FILE: \$NAME\$. \$SUFFIX\$



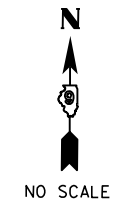
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PLOT DATE = \$DATE\$	DATE - 3/23/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 13 (WALNUT STREET) AND WASHINGTON STREET**

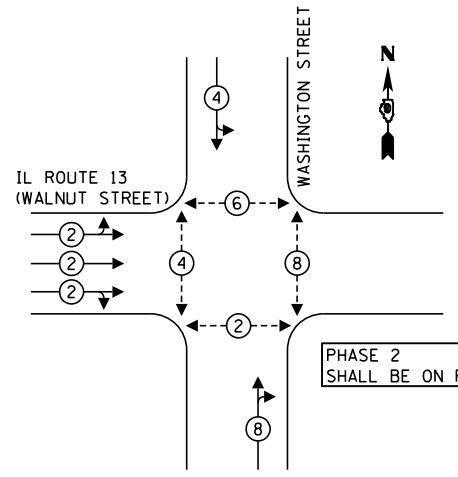
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	9
			CONTRACT NO. 78947	
		ILLINOIS	FED. AID PROJECT	



TRAFFIC SIGNAL LEGEND	
	PROP. TRAFFIC SIGNAL CONTROLLER
	PROP. GROUND MOUNT SERVICE
	EX. FIBER OPTIC CABLE
	EX. VEHICLE DETECTOR, INDUCTION LOOP
	EX. NO. OF CONDUCTORS IN CABLE
	EX. 12" SIGNAL HEAD
	EX. PEDESTRIAN PUSH BUTTON
	EX. PEDESTRIAN SIGNAL HEAD

EXISTING CONTROLLER SEQUENCE



LEGEND:

	PROTECTED PHASE
	PROTECTED/PERMITTED PHASE
	PEDESTRIAN PHASE
	OVERLAP

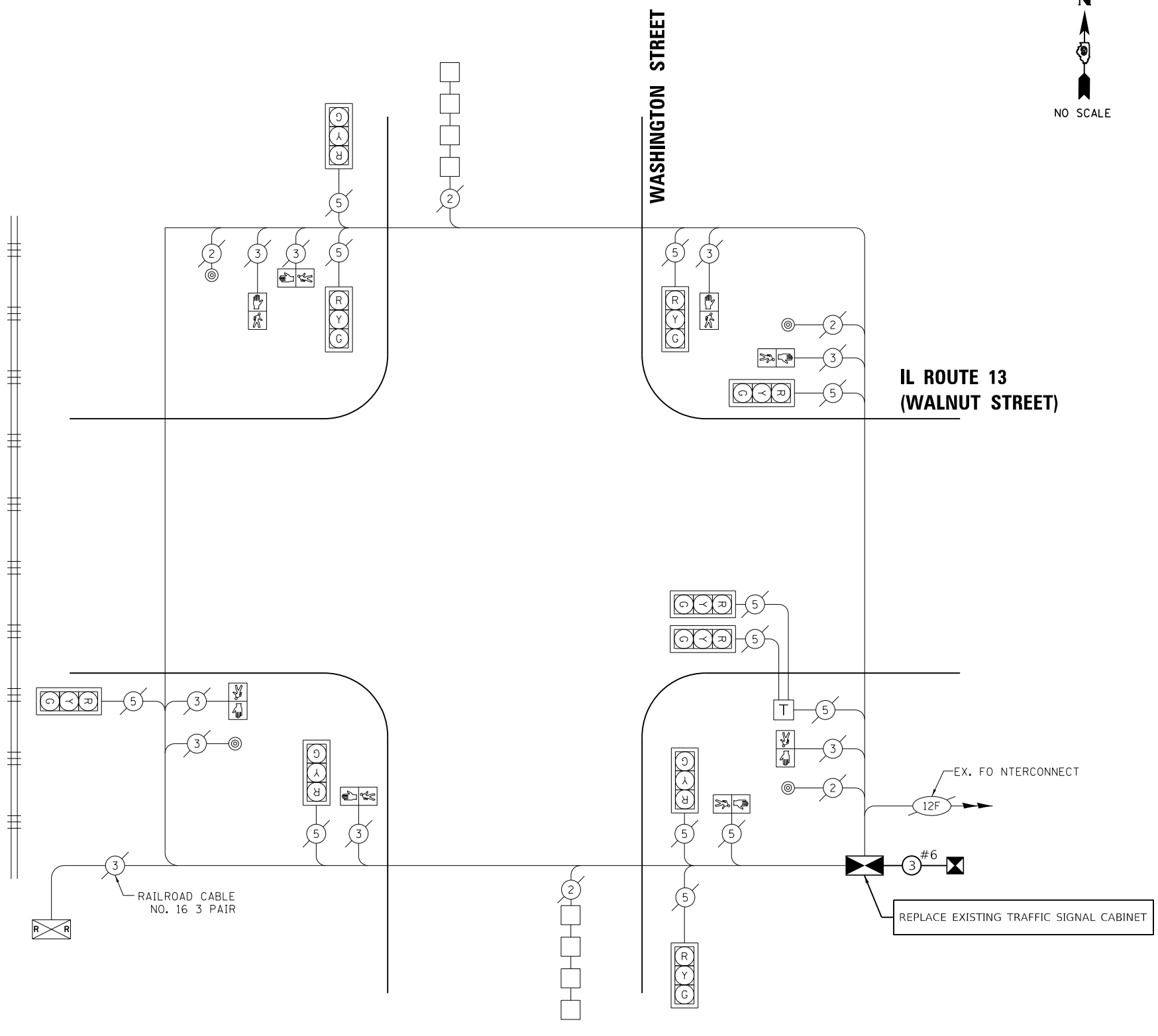
RAILROAD PREEMPTION SEQUENCE:

TRACK CLEAR PHASE: 2
 DWELL PHASE: 4 + 8
 EXIT PHASE: 2

UPON A DEMAND FOR RR PREEMPTION, ANY ACTIVE NON-TRACK CLEAR PHASES SHALL TERMINATE. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO THROUGH THE ASSOCIATED VEHICULAR YELLOW CLEARANCE INTERVAL ONLY.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	80
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	106
DRILL EXISTING FOUNDATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	2
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
SPARE RAILROAD, FULL ACTUATED CONTROLLER , SPECIAL	EACH	1
POTHOLING	EACH	2
CONCRETE FOUNDATIONS, GROUND MOUNT	CU YD	0.5



CABLE PLAN
(NOT TO SCALE)

MODEL: 4400ELNAMES
FILE NAME: STEELS



USER NAME = \$USERS	DESIGNED - KSB	REVISED - BF 5/27/22
PLOT SCALE = \$SCALES	DRAWN - KSB	REVISED -
PLOT DATE = \$DATES	CHECKED - BF	REVISED -
	DATE - 3/23/22	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN
IL ROUTE 13 (WALNUT STREET) AND WASHINGTON STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	10
CONTRACT NO. 78947				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

-  PROPOSED CONTROLLER CABINET
-  PROPOSED GROUND MOUNT SERVICE CABINET

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THIS WORK SHALL BE PAID FOR UNDER "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH TRAFFIC SIGNAL CONTROLLER
- 3 EACH LOOP AMPLIFIER
- 1 EACH CONFLICT MONITOR UNIT

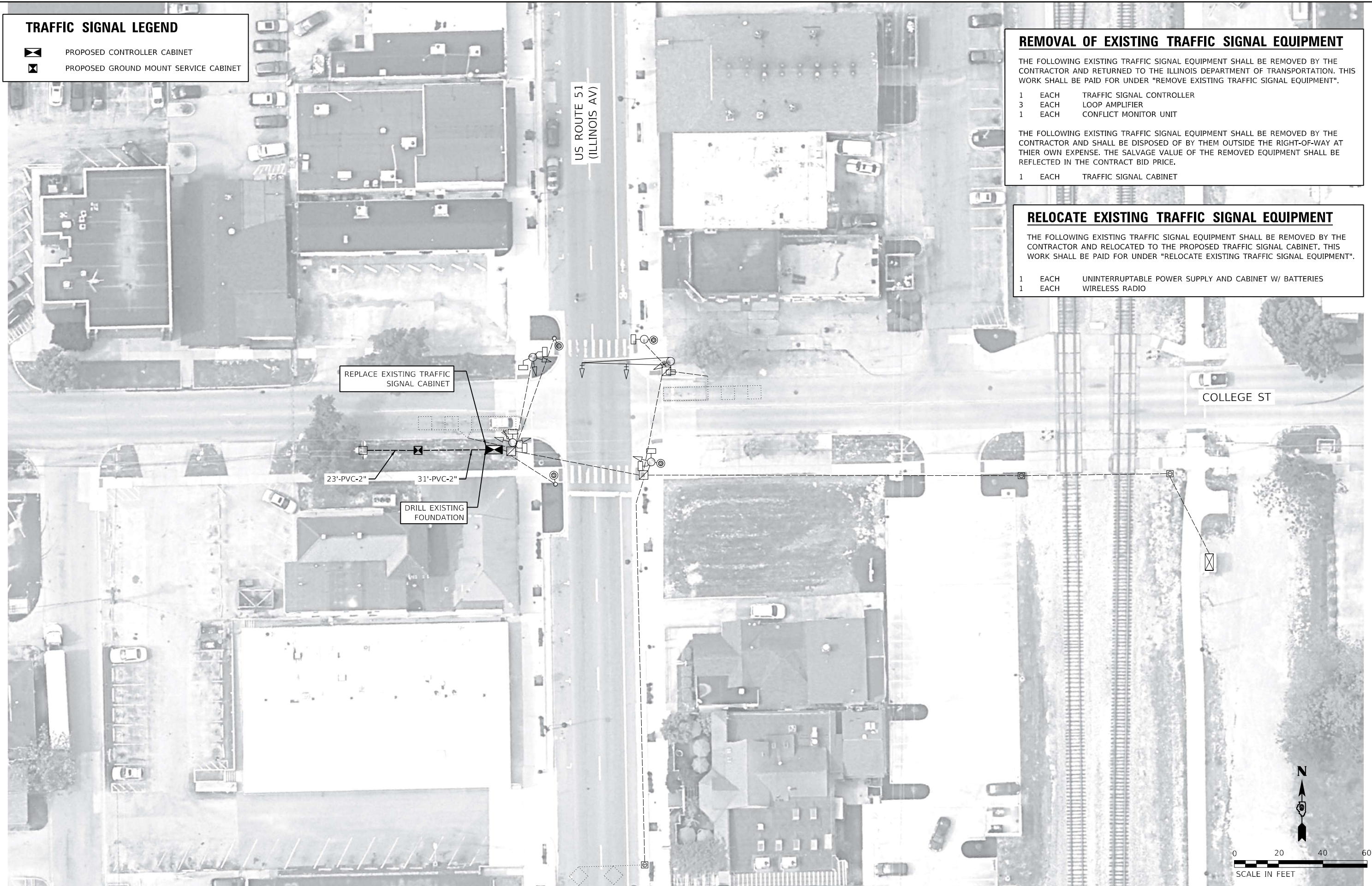
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR OWN EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH TRAFFIC SIGNAL CABINET

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH UNINTERRUPTABLE POWER SUPPLY AND CABINET W/ BATTERIES
- 1 EACH WIRELESS RADIO



COLLEGE ST

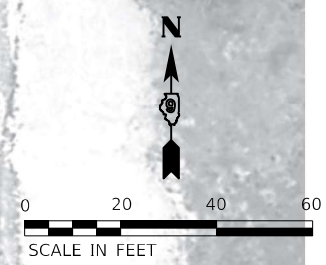
US ROUTE 51
(ILLINOIS AV)

REPLACE EXISTING TRAFFIC
SIGNAL CABINET

DRILL EXISTING
FOUNDATION

23'-PVC-2"

31'-PVC-2"



MODEL: \$MODELNAME\$
FILE: \$NAME\$. \$EXT\$



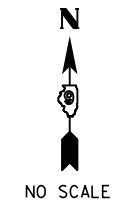
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DRAWN - BF	REVISIONS -	
PLOT SCALE = \$SCALE\$	CHECKED - ASG	REVISED -
PLOT DATE = \$DATE\$	DATE - 3/23/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 51 (ILLINOIS AVENUE) AND COLLEGE STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

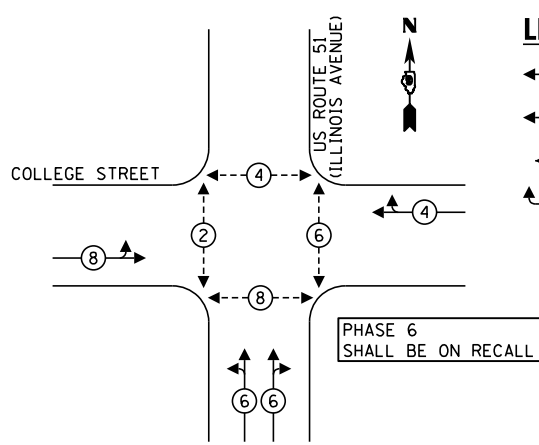
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	11
			CONTRACT NO. 78947	
		ILLINOIS	FED. AID PROJECT	



TRAFFIC SIGNAL LEGEND

	PROP. TRAFFIC SIGNAL CONTROLLER
	PROP. GROUND MOUNT SERVICE
	EX. VEHICLE DETECTOR, INDUCTION LOOP
	EX. TERMINAL BLOCK
	EX. NO. OF CONDUCTORS IN CABLE
	EX. 12" SIGNAL HEAD
	EX. PEDESTRIAN PUSH BUTTON
	EX. PEDESTRIAN SIGNAL HEAD

EXISTING CONTROLLER SEQUENCE



LEGEND:

	PROTECTED PHASE
	PROTECTED/PERMITTED PHASE
	PEDESTRIAN PHASE
	OVERLAP

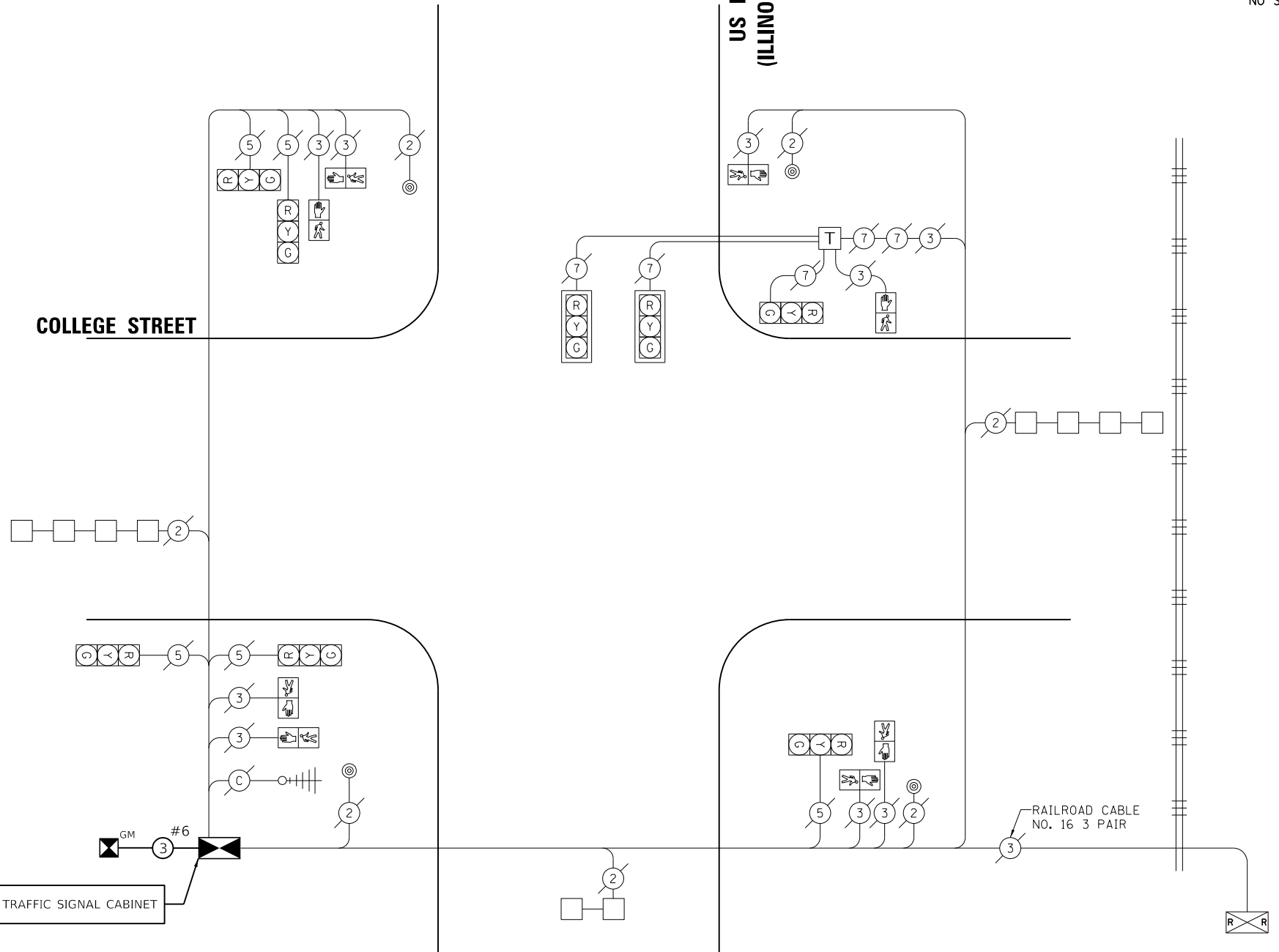
RAILROAD PREEMPTION SEQUENCE:

TRACK CLEAR PHASE: 4
 DWELL PHASE: 6
 EXIT PHASE: 4+8

UPON A DEMAND FOR RR PREEMPTION, ANY ACTIVE NON-TRACK CLEAR PHASES SHALL TERMINATE. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO THROUGH THE ASSOCIATED VEHICULAR YELLOW CLEARANCE INTERVAL ONLY.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	66
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	92
DRILL EXISTING FOUNDATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	3
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
SPARE RAILROAD, FULL ACTUATED CONTROLLER, SPECIAL	EACH	1
POTHOLING	EACH	1
CONCRETE FOUNDATIONS, GROUND MOUNT	CU YD	0.5



CABLE PLAN
(NOT TO SCALE)

MODEL: 4400/ELNAMES
FILE NAME: STEELS



USER NAME = \$USERS	DESIGNED - KSB	REVISED - BF 5/27/22
PLOT SCALE = \$SCALES	DRAWN - KSB	REVISED -
PLOT DATE = \$DATES	CHECKED - BF	REVISED -
	DATE - 3/23/22	REVISED -



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
US ROUTE 51 (ILLINOIS AVENUE) AND COLLEGE STREET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	12
			CONTRACT NO. 78947	
		ILLINOIS	FED. AID PROJECT	

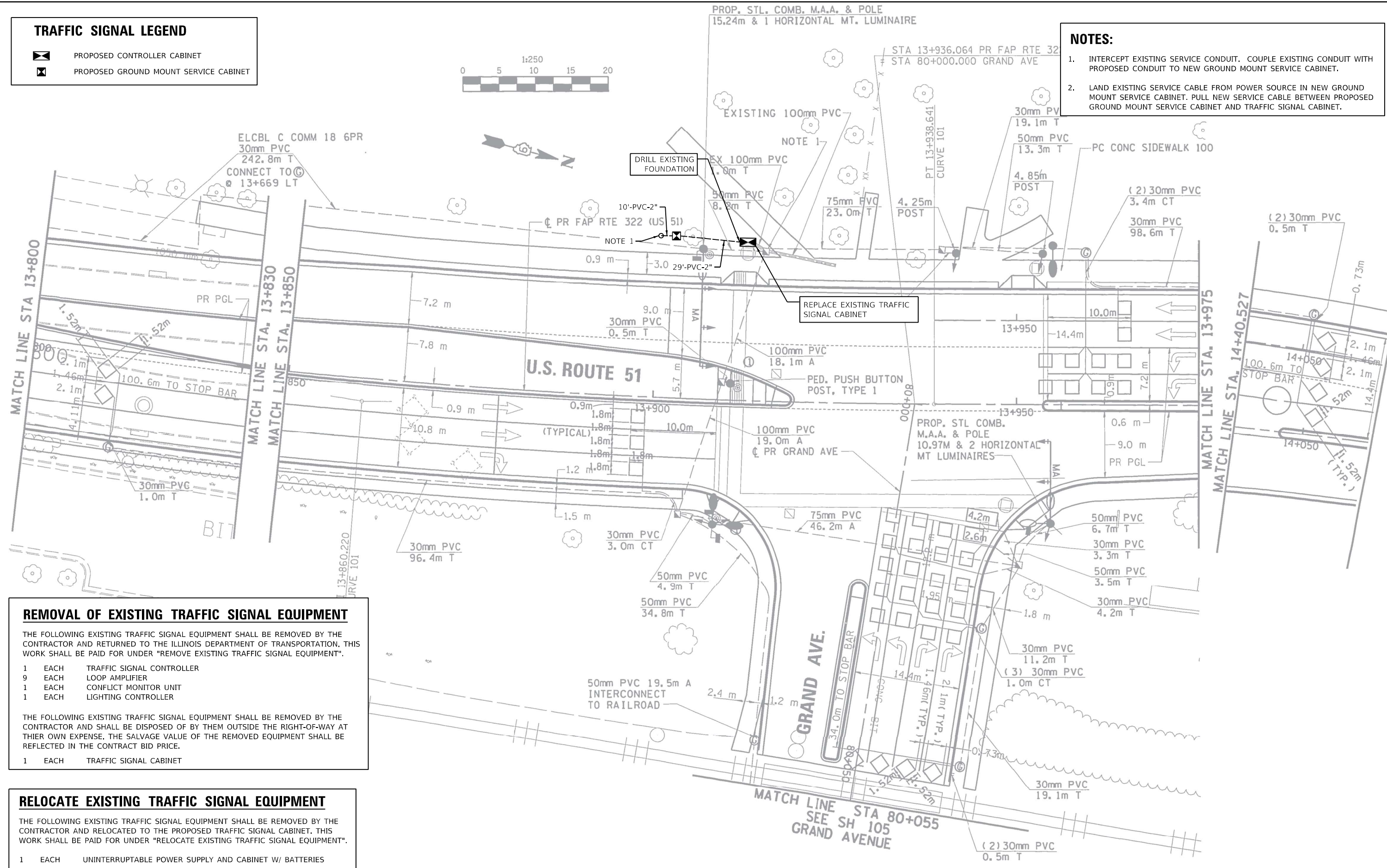
SCALE: SHEET OF SHEETS STA. TO STA.

TRAFFIC SIGNAL LEGEND

-  PROPOSED CONTROLLER CABINET
-  PROPOSED GROUND MOUNT SERVICE CABINET

NOTES:

1. INTERCEPT EXISTING SERVICE CONDUIT. COUPLE EXISTING CONDUIT WITH PROPOSED CONDUIT TO NEW GROUND MOUNT SERVICE CABINET.
2. LAND EXISTING SERVICE CABLE FROM POWER SOURCE IN NEW GROUND MOUNT SERVICE CABINET. PULL NEW SERVICE CABLE BETWEEN PROPOSED GROUND MOUNT SERVICE CABINET AND TRAFFIC SIGNAL CABINET.



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THIS WORK SHALL BE PAID FOR UNDER "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH TRAFFIC SIGNAL CONTROLLER
- 9 EACH LOOP AMPLIFIER
- 1 EACH CONFLICT MONITOR UNIT
- 1 EACH LIGHTING CONTROLLER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR OWN EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH TRAFFIC SIGNAL CABINET

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH UNINTERRUPTABLE POWER SUPPLY AND CABINET W/ BATTERIES

MODEL: SH08LMMXES
FILE NAME: STEELS



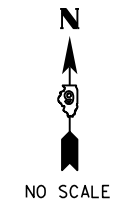
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DRAWN - BF	REVISIONS -	
PLOT SCALE = \$SCALES	CHECKED - ASG	REVISED -
PLOT DATE = \$DATES	DATE - 3/23/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 51 (ILLINOIS AVENUE) AND GRAND AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

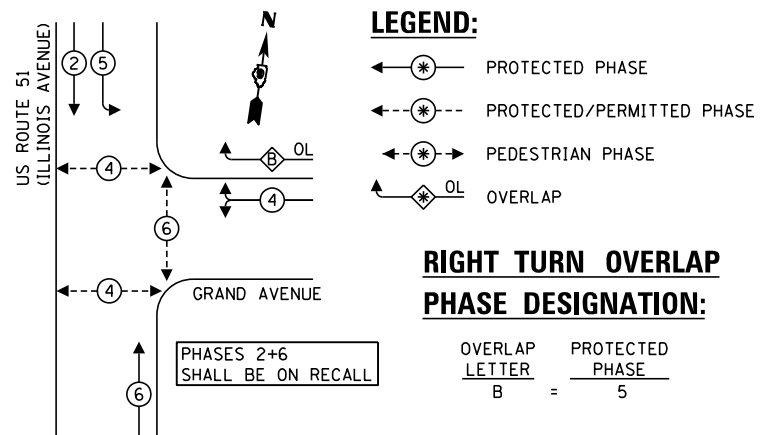
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	13
CONTRACT NO. 78947				
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL LEGEND

	PROP. TRAFFIC SIGNAL CONTROLLER
	PROP. GROUND MOUNT SERVICE
	EX. VEHICLE DETECTOR, INDUCTION LOOP
	EX. NO. OF CONDUCTORS IN CABLE
	EX. 12" SIGNAL HEAD
	EX. TERMINAL BLOCK
	EX. LUMINAIRE
	EX. PEDESTRIAN PUSH BUTTON
	EX. PEDESTRIAN SIGNAL HEAD

EXISTING CONTROLLER SEQUENCE



RAILROAD PREEMPTION SEQUENCE:

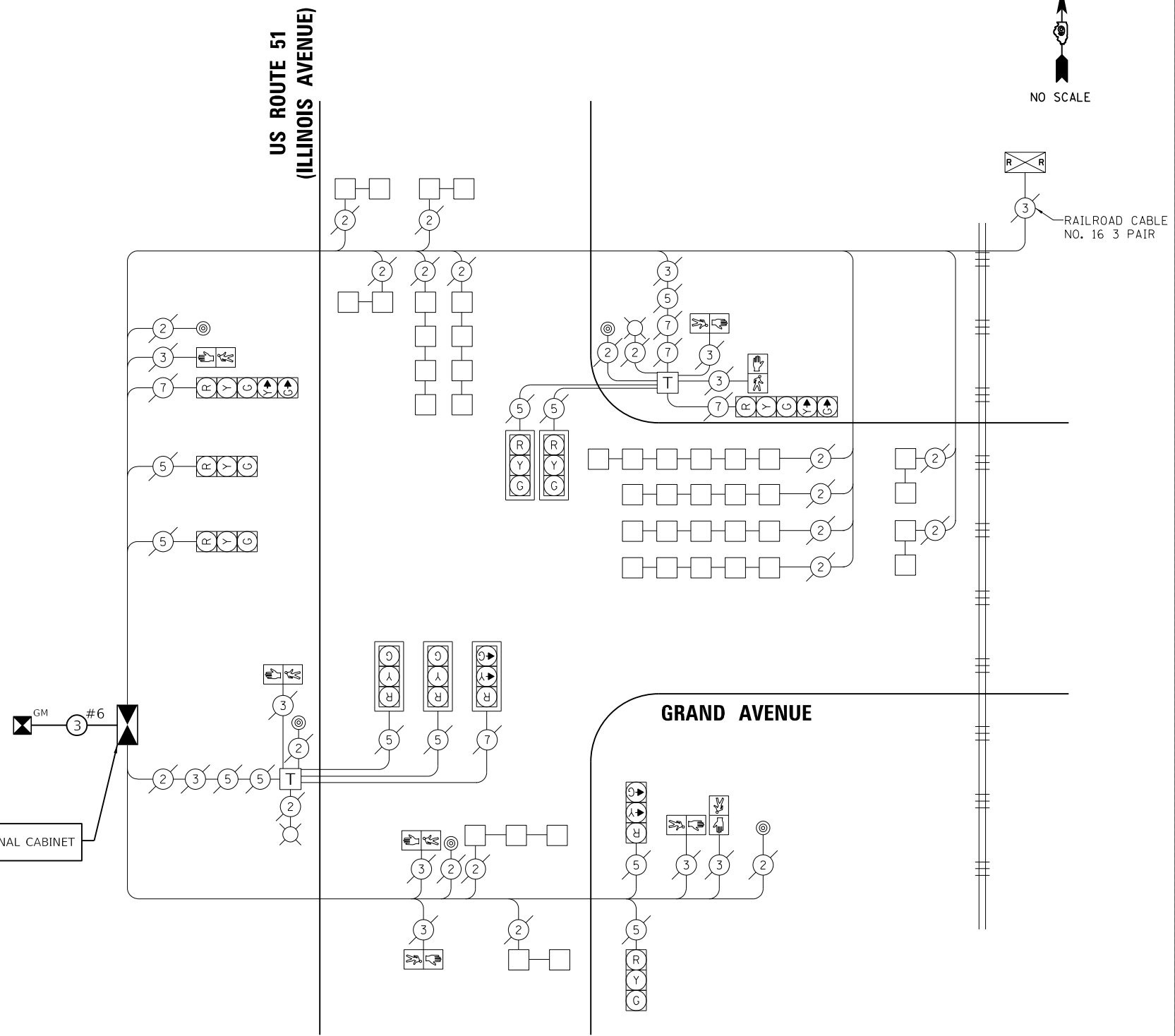
TRACK CLEAR PHASE: 4
 DWELL PHASE: 2 + 6
 EXIT PHASE: 4

UPON A DEMAND FOR RR PREEMPTION, ANY ACTIVE NON-TRACK CLEAR PHASES SHALL TERMINATE. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO THROUGH THE ASSOCIATED VEHICULAR YELLOW CLEARANCE INTERVAL ONLY.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	48
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	51
DRILL EXISTING FOUNDATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	13
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
SPARE RAILROAD, FULL ACTUATED CONTROLLER, SPECIAL	EACH	1
POTHOLING	EACH	1
CONCRETE FOUNDATIONS, GROUND MOUNT	CU YD	0.5
CONDUIT SPLICE	EACH	1

REPLACE EXISTING TRAFFIC SIGNAL CABINET



CABLE PLAN
(NOT TO SCALE)

MODEL: 4400ELNAMES
FILE NAME: STEELS



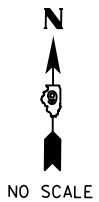
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PLOT SCALE = \$SCALES	DRAWN - KSB	REVISED -
PLOT DATE = \$DATES	CHECKED - BF	REVISED -
	DATE - 3/23/22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
US ROUTE 51 (ILLINOIS AVENUE) AND GRAND AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	14
CONTRACT NO. 78947				
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL LEGEND

	PROP. TRAFFIC SIGNAL CONTROLLER
	PROP. GROUND MOUNT SERVICE
	EX. FIBER OPTIC CABLE
	EX. VEHICLE DETECTOR, INDUCTION LOOP
	EX. NO. OF CONDUCTORS IN CABLE
	EX. 12" SIGNAL HEAD
	EX. PEDESTRIAN PUSH BUTTON
	EX. PEDESTRIAN SIGNAL HEAD

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THIS WORK SHALL BE PAID FOR UNDER "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1	EACH	TRAFFIC SIGNAL CONTROLLER
4	EACH	LOOP AMPLIFIER
1	EACH	CONFLICT MONITOR UNIT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR OWN EXPENSE, THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

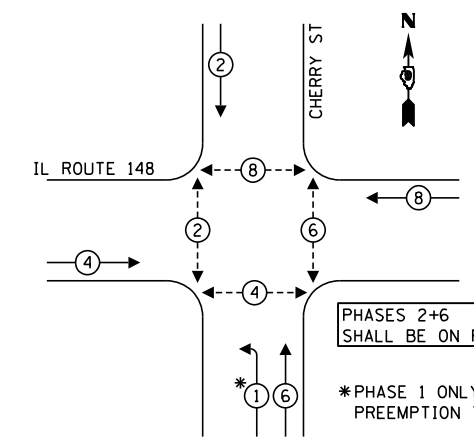
1	EACH	TRAFFIC SIGNAL CABINET
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RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1	EACH	WIRELESS RADIO
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EXISTING CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

PHASES 2+6 SHALL BE ON RECALL

*PHASE 1 ONLY USED DURING RAILROAD PREEMPTION TRACK CLEARANCE

RAILROAD PREEMPTION SEQUENCE:

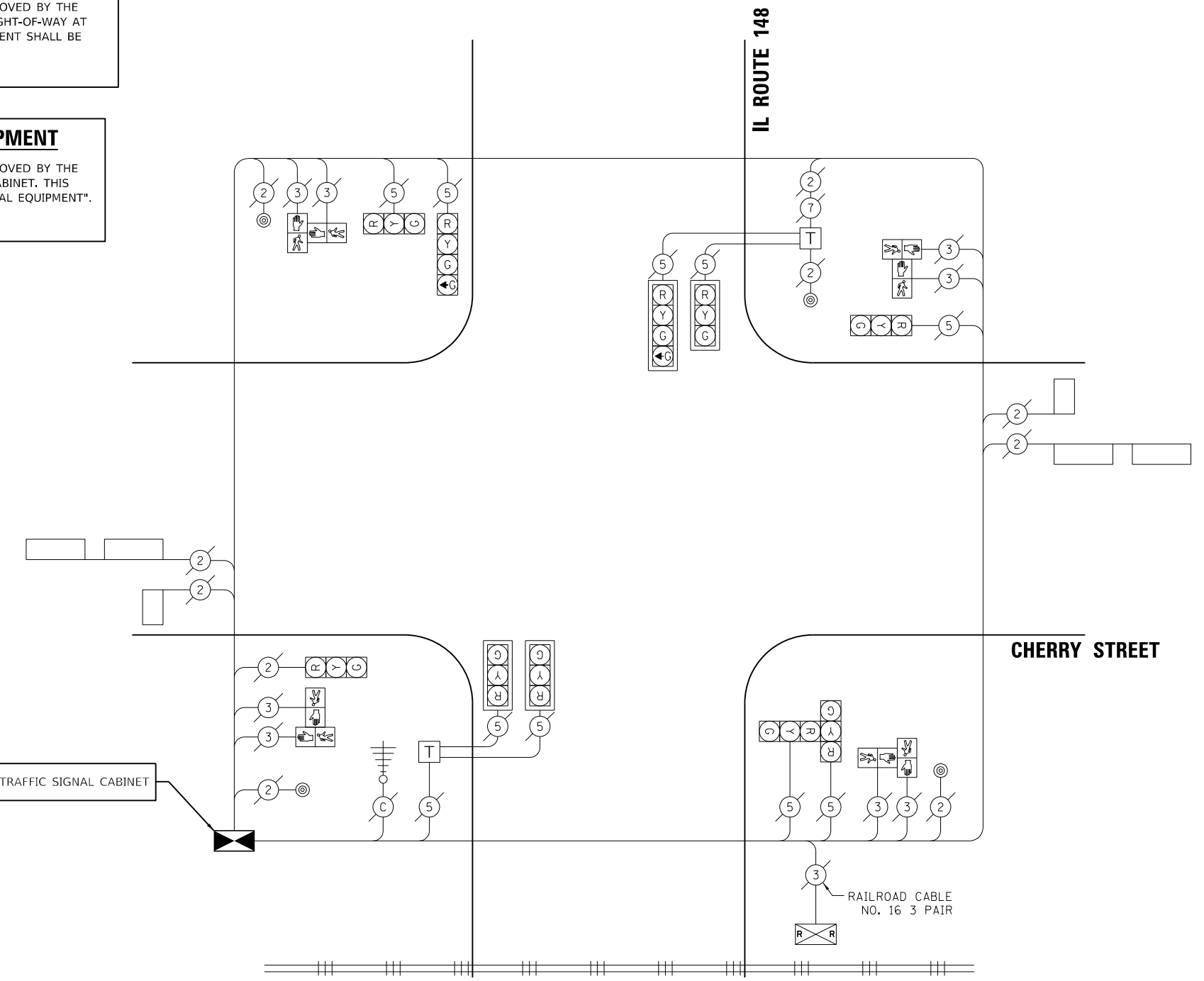
TRACK CLEAR PHASE: 1 + 6
 DWELL PHASE: 4 + 8
 EXIT PHASE: 2 + 6

UPON A DEMAND FOR RR PREEMPTION, ANY ACTIVE NON-TRACK CLEAR PHASES SHALL TERMINATE. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO THROUGH THE ASSOCIATED VEHICULAR YELLOW CLEARANCE INTERVAL ONLY.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
SPARE RAILROAD, FULL ACTUATED CONTROLLER, SPECIAL	EACH	1

REPLACE EXISTING TRAFFIC SIGNAL CABINET



CABLE PLAN
(NOT TO SCALE)

MODEL: 4400BELNAMES
FILE NAME: STEELS



USER NAME = \$USERS	DESIGNED - KSB	REVISED - BF 5/27/22
PLOT SCALE = \$SCALES	DRAWN - KSB	REVISED -
PLOT DATE = \$DATES	CHECKED - BF	REVISED -
	DATE - 3/23/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL CABLE PLAN	
IL ROUTE 148 AND CHERRY STREET	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	15
			CONTRACT NO. 78947	
		ILLINOIS FED. AID PROJECT		



NO SCALE

TRAFFIC SIGNAL LEGEND

	PROP. TRAFFIC SIGNAL CONTROLLER
	PROP. GROUND MOUNT SERVICE
	EX. FIBER OPTIC CABLE
	EX. VEHICLE DETECTOR, INDUCTION LOOP
	EX. NO. OF CONDUCTORS IN CABLE
	EX. 12" SIGNAL HEAD
	EX. PEDESTRIAN PUSH BUTTON
	EX. PEDESTRIAN SIGNAL HEAD

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THIS WORK SHALL BE PAID FOR UNDER "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1	EACH	TRAFFIC SIGNAL CONTROLLER
6	EACH	LOOP AMPLIFIER
1	EACH	CONFLICT MONITOR UNIT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR OWN EXPENSE, THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

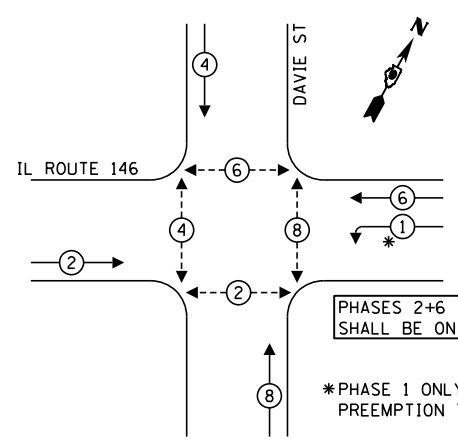
1	EACH	TRAFFIC SIGNAL CABINET
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RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET, THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1	EACH	WIRELESS RADIO
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EXISTING CONTROLLER SEQUENCE



LEGEND:

	PROTECTED PHASE
	PROTECTED/PERMITTED PHASE
	PEDESTRIAN PHASE
	OVERLAP

RAILROAD PREEMPTION SEQUENCE:

TRACK CLEAR PHASE: 1 + 6
 DWELL PHASE: 4 + 8
 EXIT PHASE: 2 + 6

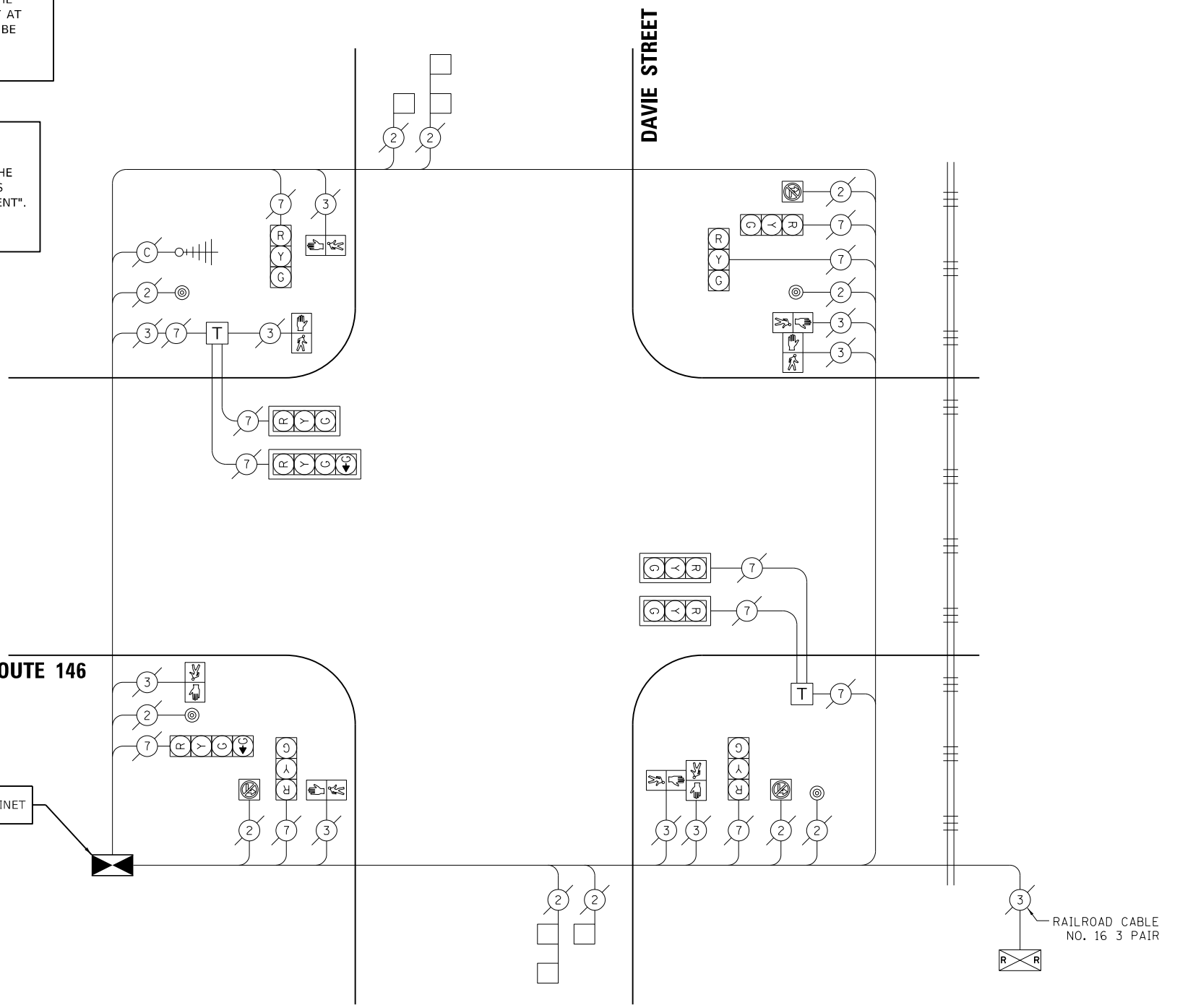
UPON A DEMAND FOR RR PREEMPTION, BLANK-OUT SIGNS SHALL ACTIVATE AND ANY ACTIVE NON-TRACK CLEAR PHASES SHALL TERMINATE. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO THROUGH THE ASSOCIATED VEHICULAR YELLOW CLEARANCE INTERVAL ONLY.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	6
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
SPARE RAILROAD, FULL ACTUATED CONTROLLER, SPECIAL	EACH	1

IL ROUTE 146

REPLACE EXISTING TRAFFIC SIGNAL CABINET



CABLE PLAN
(NOT TO SCALE)

MODEL: 4400BELNAMES
FILE NAME: STEELS



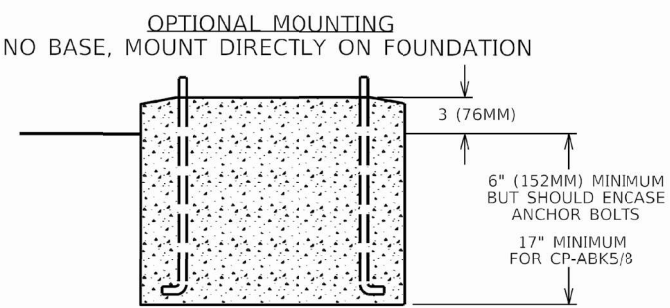
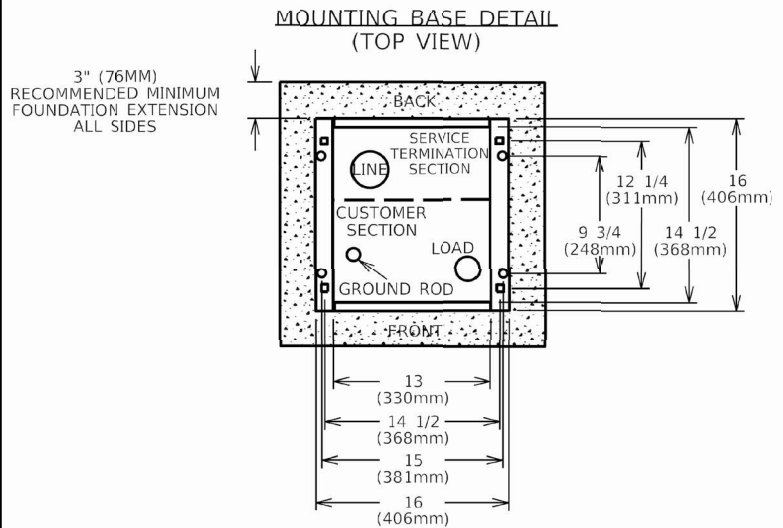
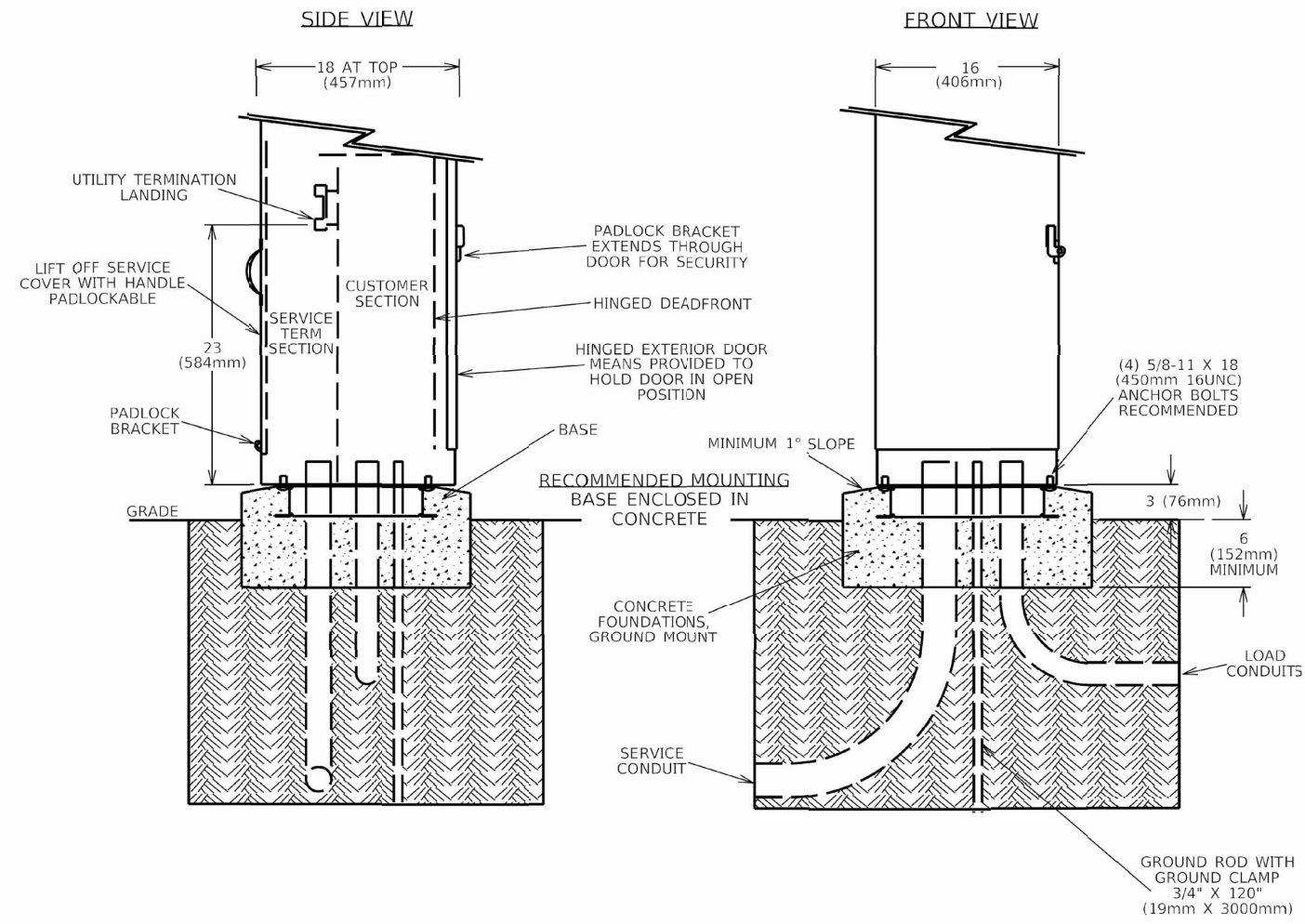
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PLOT SCALE = \$SCALES	DRAWN - KSB	REVISED -
PLOT DATE = \$DATES	CHECKED - BF	REVISED -
	DATE - 3/23/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL CABLE PLAN	
IL ROUTE 146 AND DAVIE STREET	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	16
CONTRACT NO. 78947				
ILLINOIS FED. AID PROJECT				

**CABINET FOR SERVICE INSTALLATION GROUND MOUNT
AND CONCRETE FOUNDATIONS, GROUND MOUNT**



- PEDESTAL MOUNTING HOLES
- ANCHOR BOLT MOUNTING HOLES

REVISIONS

DRAWN	E3-02-22
REVISION	
REVISION	
REVISION	

STD. 9-51

MODEL: 5400BELNAMES
FILE NAME: STEELS



USER NAME = \$USERS	DESIGNED -	REVISED -
PLOT SCALE = \$SCALES	DRAWN -	REVISED -
PLOT DATE = \$DATES	CHECKED -	REVISED -
	DATE - 3/21/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GROUND MOUNT SERVICE DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 RAILROAD SIGNAL FY22-1	VARIOUS	17	17
CONTRACT NO. 78947				
ILLINOIS		FED. AID PROJECT		