

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

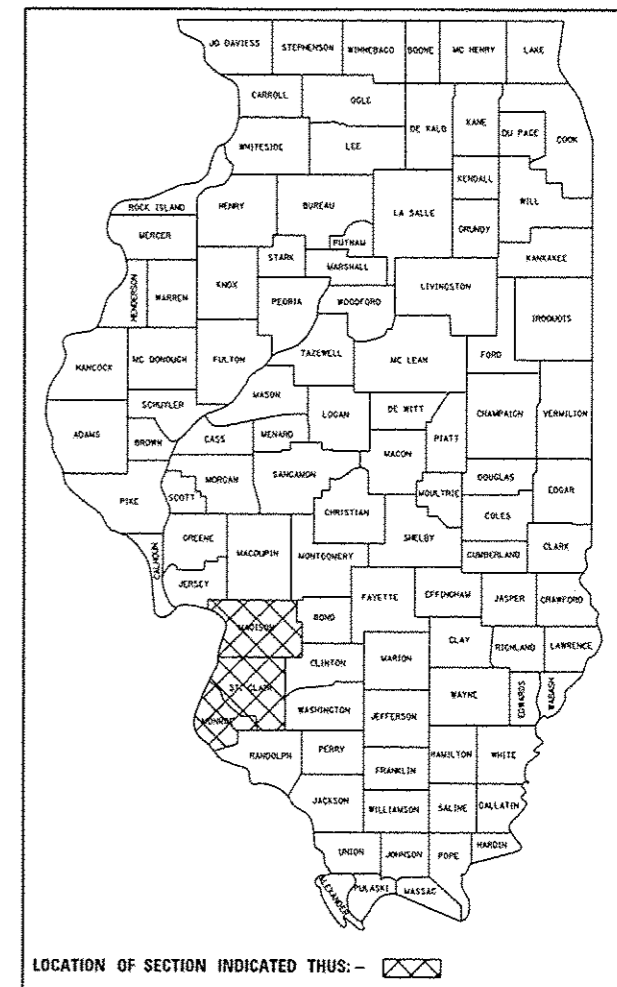
**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION DIST 8 TS 2016-1
PROJECT ACHSIP-000V (042)
INSTALLATION OF NEAR-RIGHT &
FAR-LEFT TRAFFIC SIGNAL
INDICATIONS
VARIOUS COUNTIES

C-98-062-15

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2016-1	*	71	1
*VARIOUS		ILLINOIS	CONTRACT NO. 76J20	

D-98-073-15

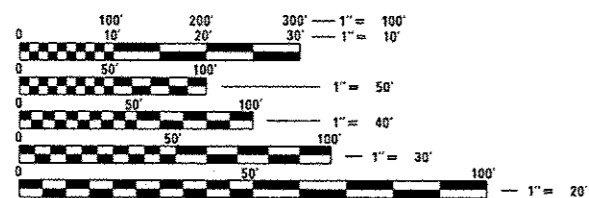


INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES, LEGEND AND DETAILS
3. & 4. SUMMARY OF QUANTITIES
5. - 71. INTERSECTION LOCATION MAPS, TRAFFIC SIGNAL PLANS AND CABLE DIAGRAMS (FOR "INDEX OF SHEETS PER INTERSECTION", SEE SHEET 2)

STANDARDS

701701-09	701801-05	701901-04
814001-03	878001-10	880006-01

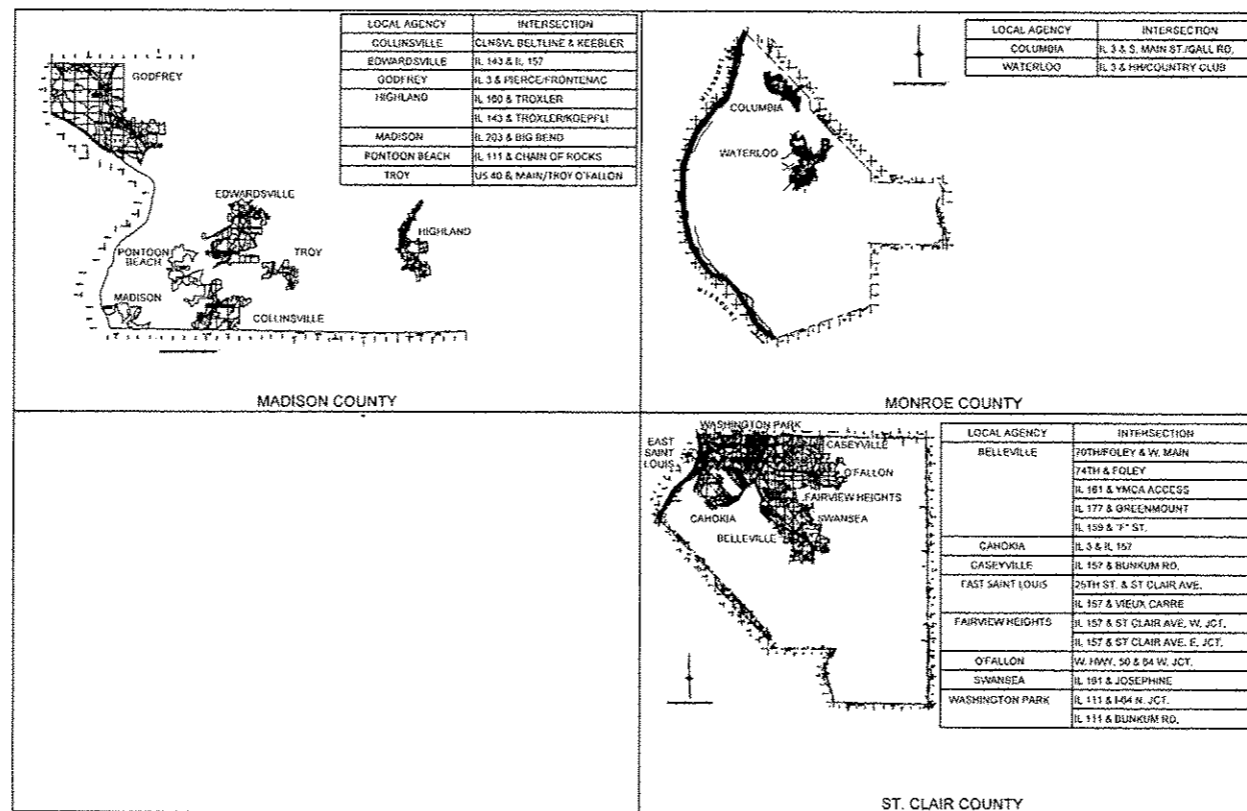


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: FRANK OPFER (618) 346-3175
SQUAD LEADER: MICHAEL PRESTON (618) 346-3143

CONTRACT NO. 76J20



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 16 20 15
Jeffrey E. Kane
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Dec 4 20 15
John P. Baranzelli P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 4 20 15
Char Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN			SUMMARY OF QUANTITIES			URBAN				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE-0021			CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE-0021		
				0021	90% FED	10% STATE					0021	90% FED	10% STATE
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	25	25			87800100	CONCRETE FOUNDATION, TYPE A	FOOT	30	30		
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	109848	109848			87900200	DRILL EXISTING HANDHOLE	EACH	10	10		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	11	11			88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	18	18		
67100100	MOBILIZATION	L SUM	1	1			88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	9	9		
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	25	25			88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	21	21		
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	10	10			88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10	10		
80300100	LOCATING UNDERGROUND CABLE	FOOT	344	344			88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	3	3		
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	344	344			88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	16	16		
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1									
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	10628	10628									
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	8912	8912									
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	10	10									

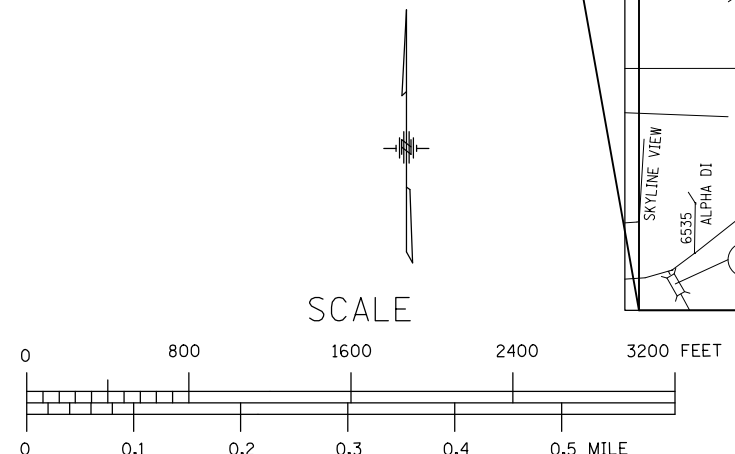
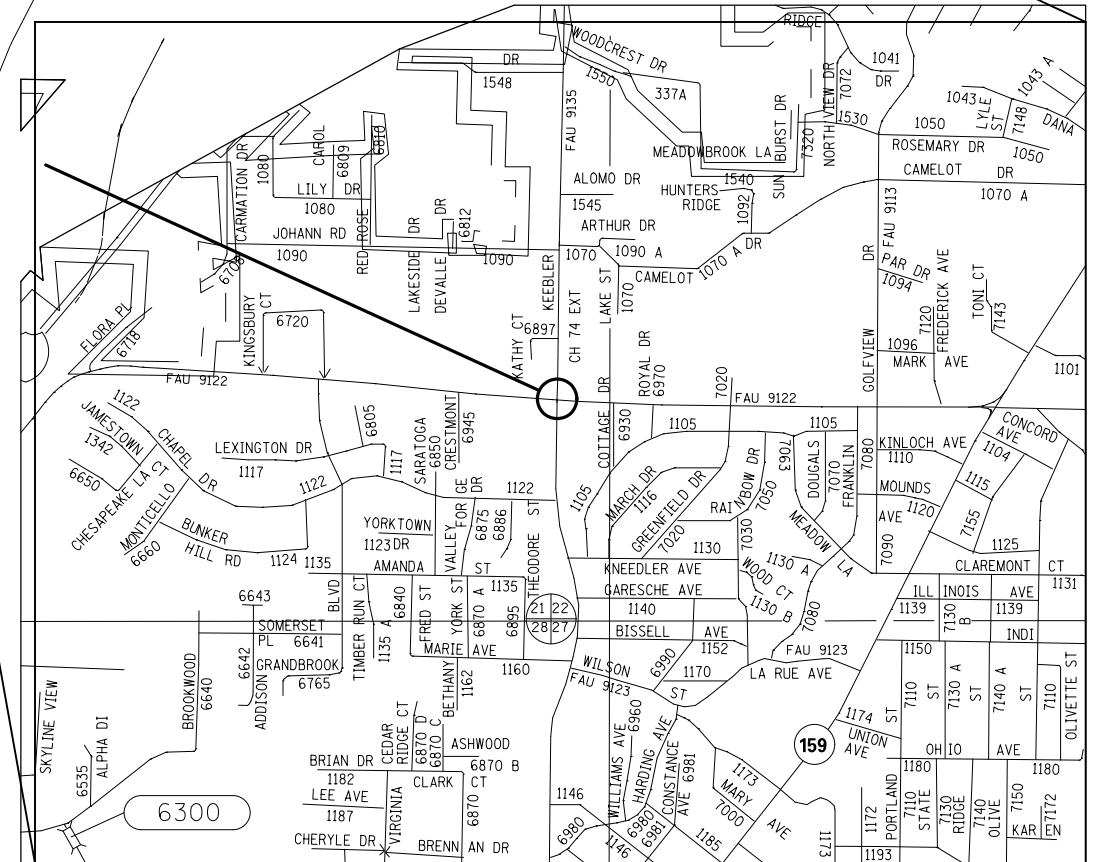
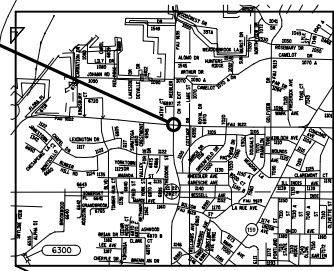
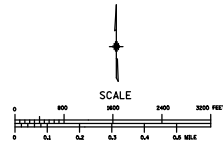
SUMMARY OF QUANTITIES

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE-0021	
CODE NO	ITEM	UNIT		0021 90% FED 10% STATE	
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	22	22	
89502200	MODIFY EXISTING CONTROLLER	EACH	25	25	
φ 20076600	TRAINEES	HOUR	500	500	
φ 20076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE-0021	
CODE NO	ITEM	UNIT			

COLLINSVILLE BELTLINE & KEEBLER



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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP COLLINSVILLE, MADISON CNTY.**

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2016-1	•	71	5
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

12"



(A)

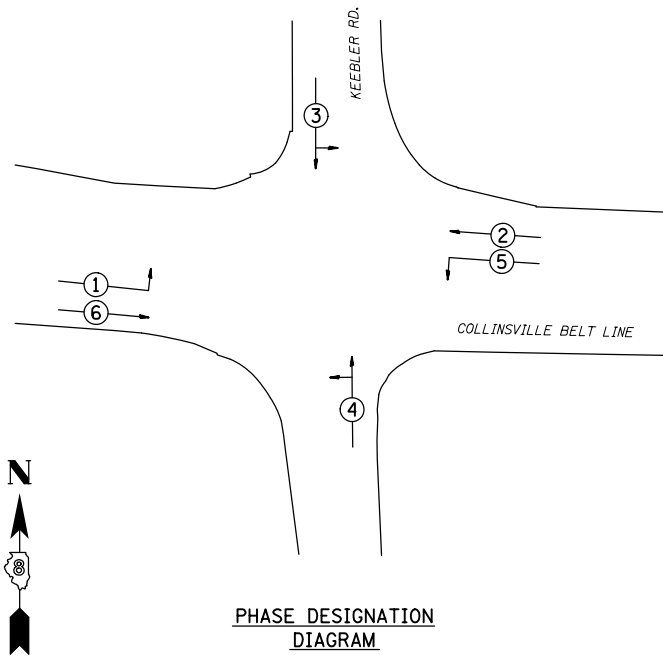
PROPOSED TRAFFIC SIGNAL FACES

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

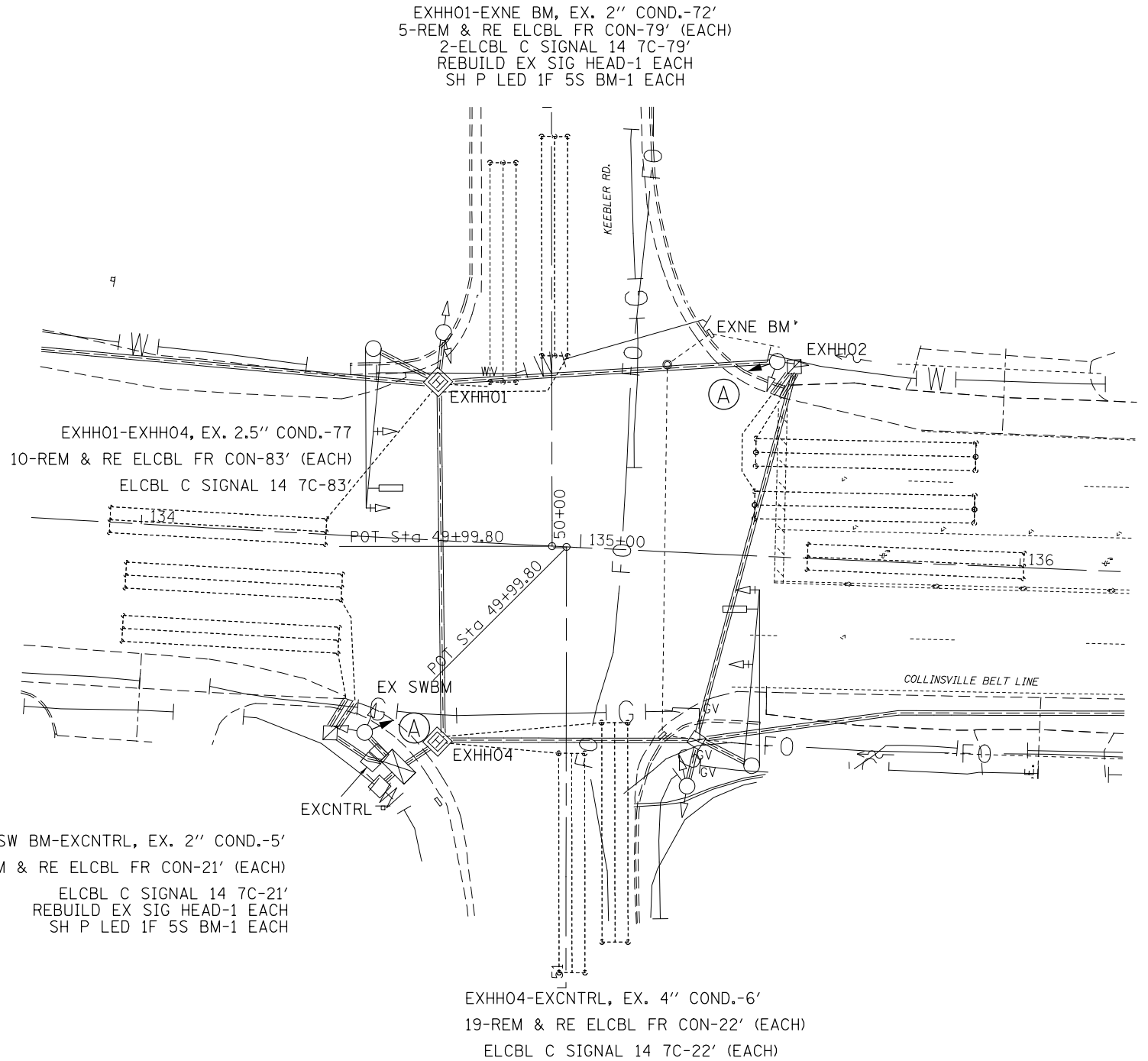
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↔	↔	←	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		



PHASE DESIGNATION DIAGRAM



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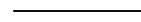
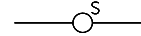

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

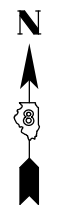
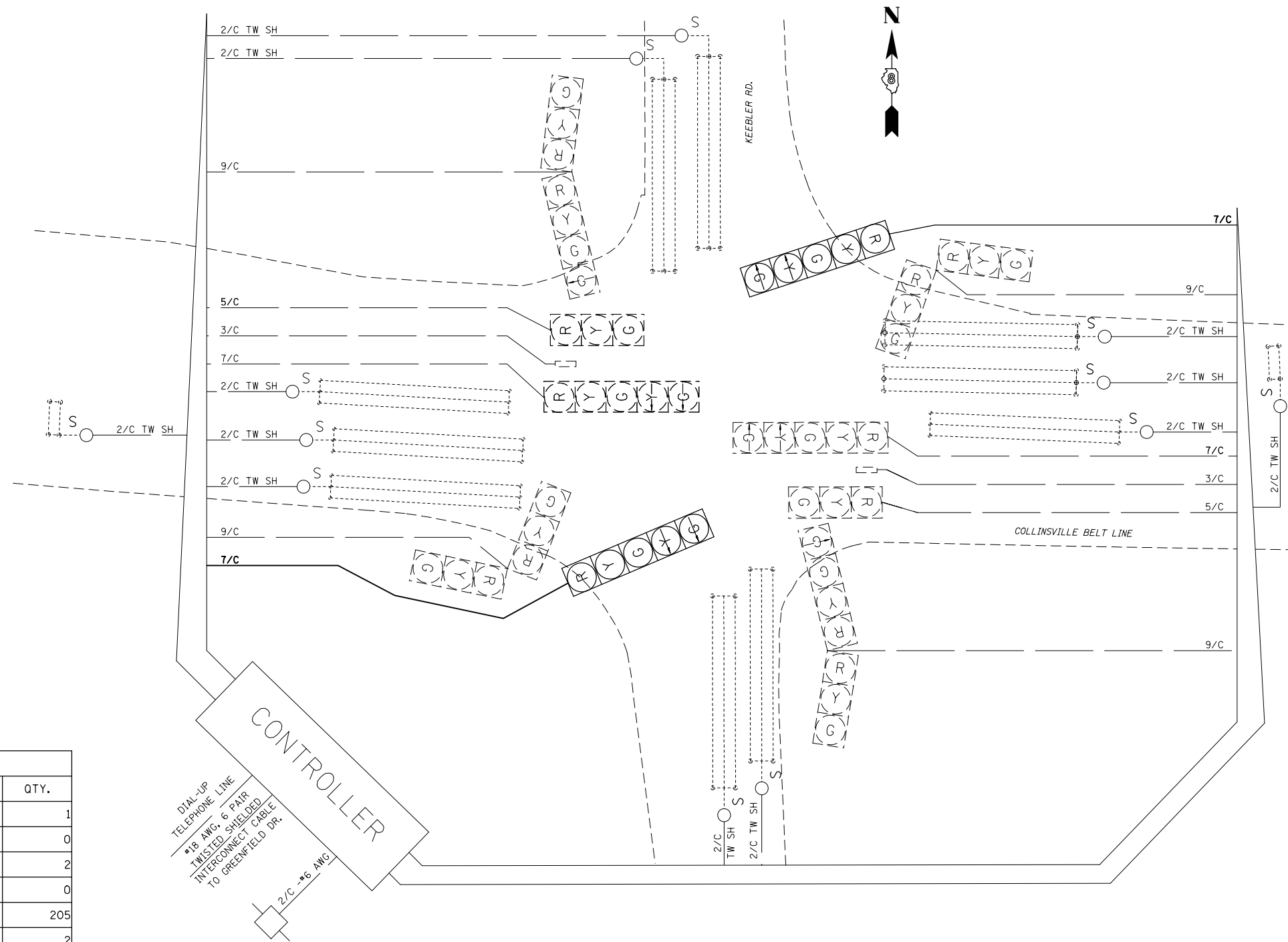
COLLINSVILLE BELTLINE & WALMART (COLLINSVILLE, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	6
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED CABLE
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	0
88040750	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	0
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	205
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1348

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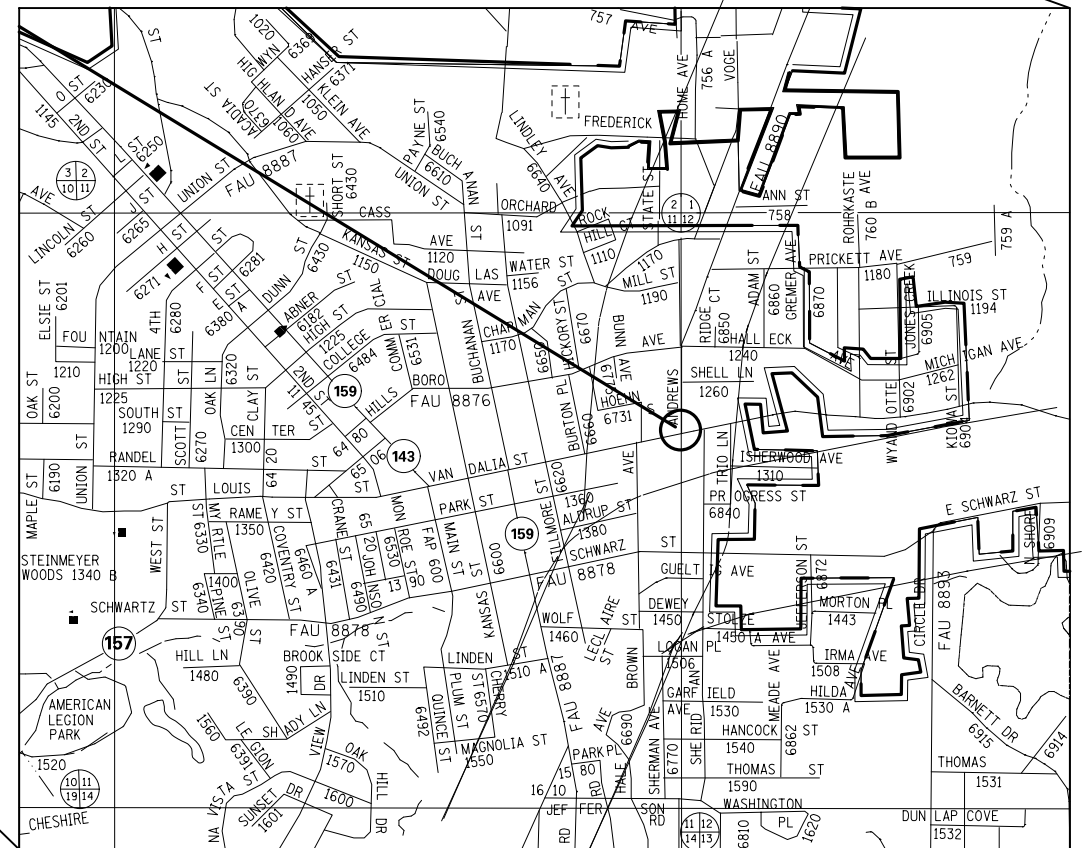
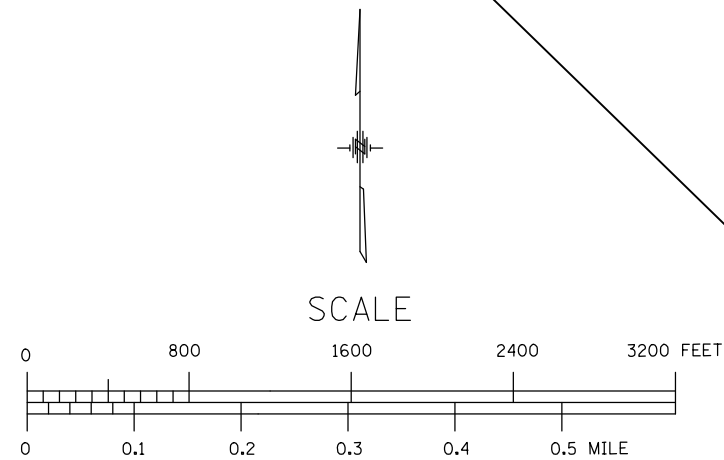
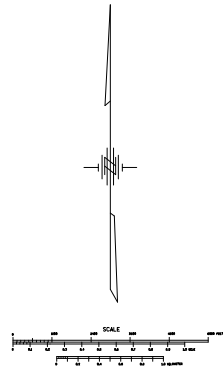
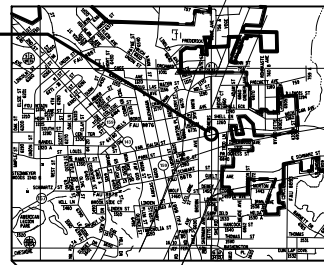
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COLLINSVILLE BELTLINE & WALMART (COLLINSVILLE, MADISON CNTY.)
CABLE DIAGRAM**

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	7
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

IL 143 & IL 157



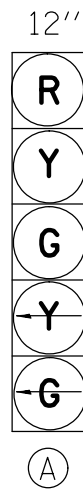
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP EDWARDSVILLE, MADISON CNTY.**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2016-1	*	71	8
* = VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

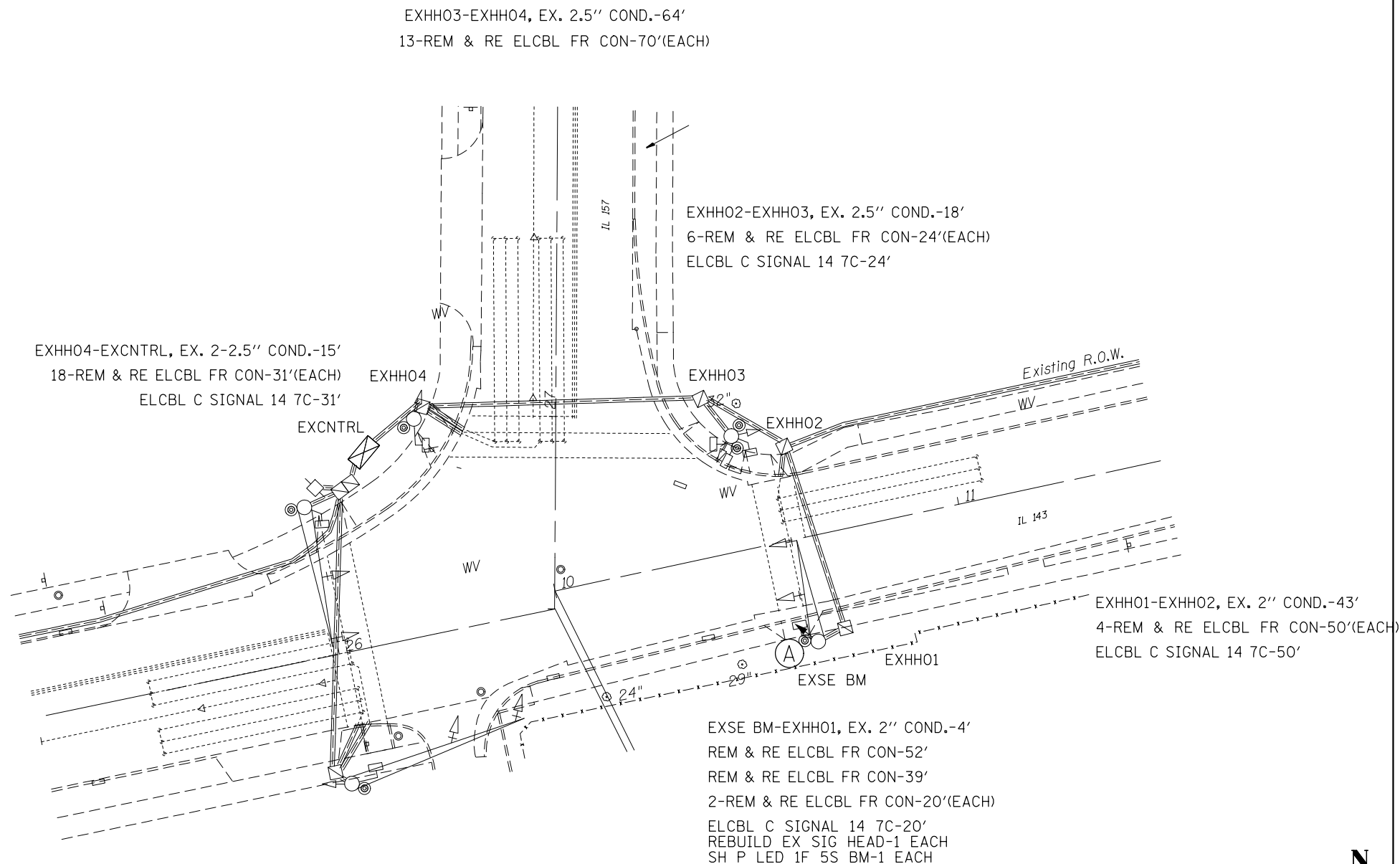
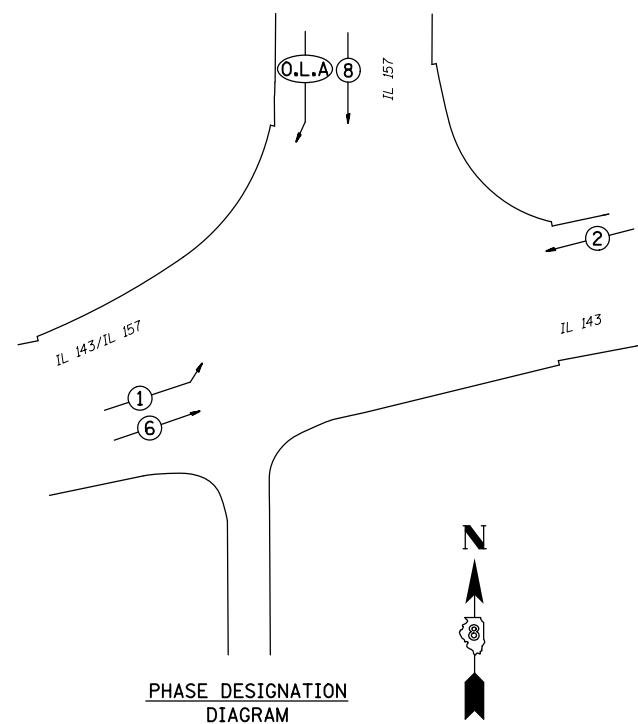


PROPOSED TRAFFIC SIGNAL FACES


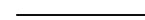
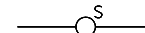
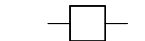
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

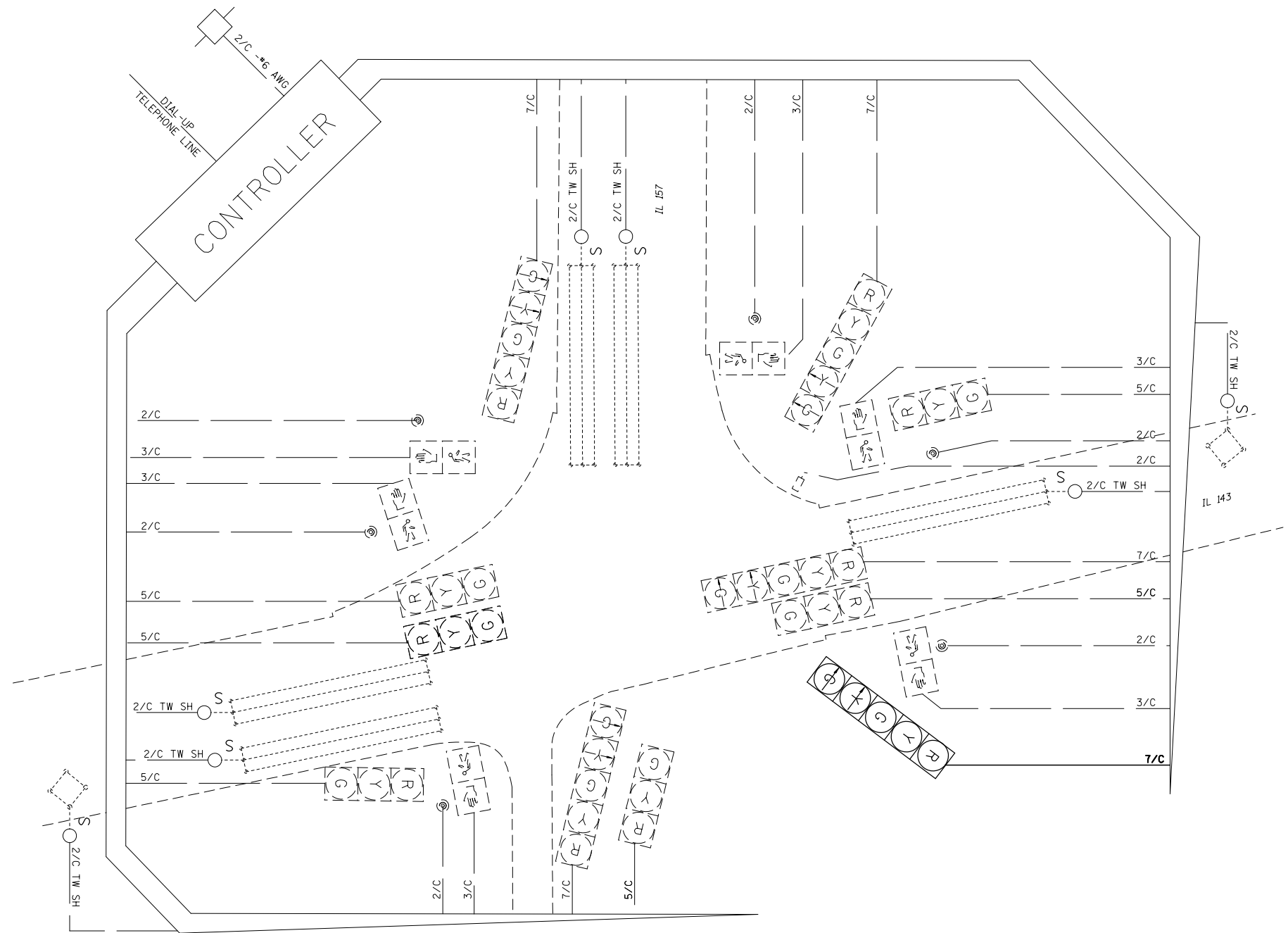
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION									
PHASE	1	2	3	4	5	6	7	8	O.L.A
MOVEMENT	↗	←	NOT USED	NOT USED	NOT USED	→	NOT USED	↓	↘
CONCURRENT MOVEMENT PERMITTED	6 OR O.L.A	6				1 OR 2		O.L.A	1 +6 +8



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	195
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502390	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1943

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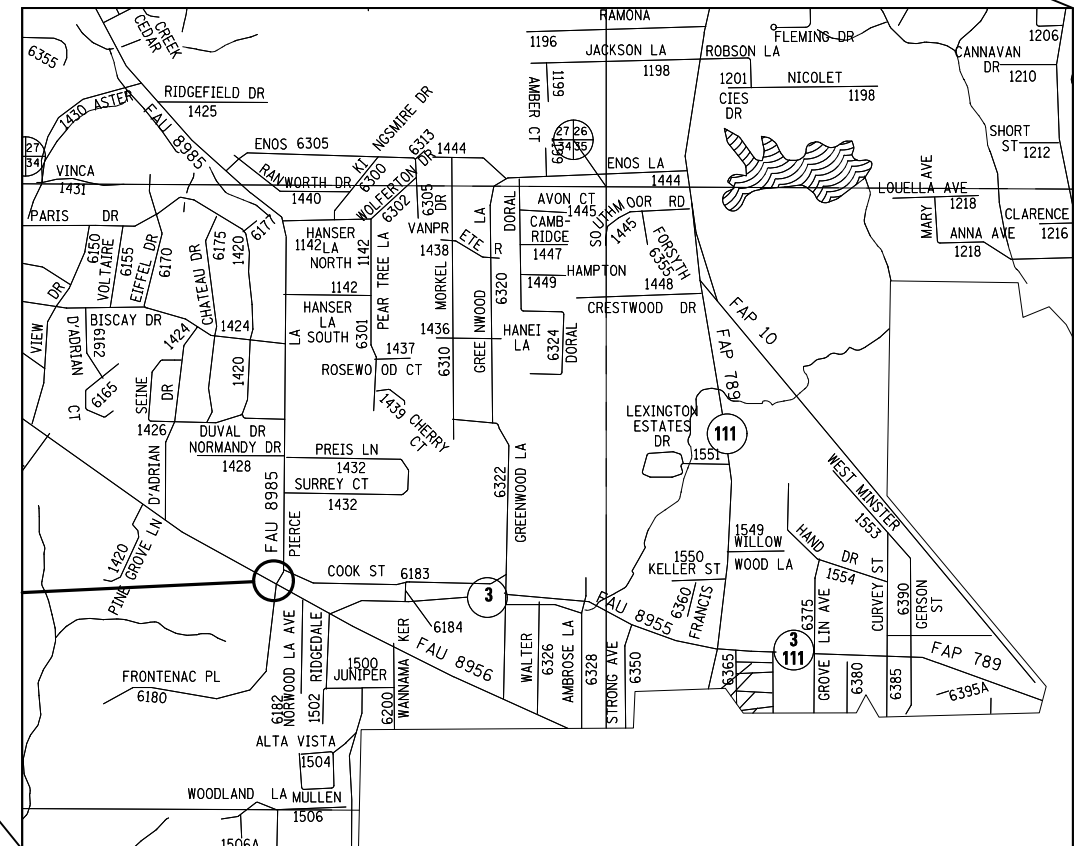
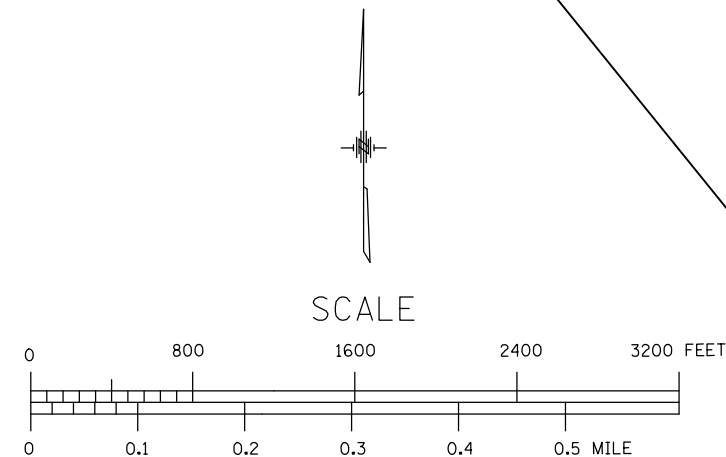
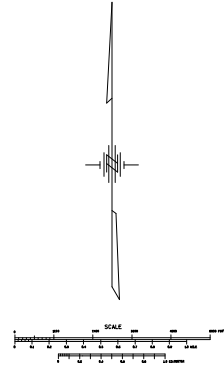
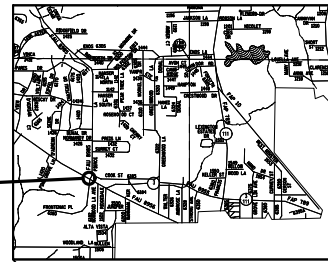
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 143 & IL 157 (EDWARDSVILLE, MADISON CNTY.)
CABLE DIAGRAM

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	10
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

IL 3 & PIERCE/FRONTENAC

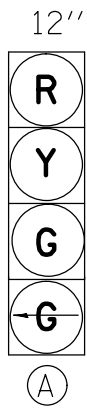


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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION			
MAP GODFREY, MADISON CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2016-1	•	71	11
* = VARIOUS FED. ROAD DIST. NO.			CONTRACT NO. 76J20	
ILLINOIS FED. AID PROJECT				

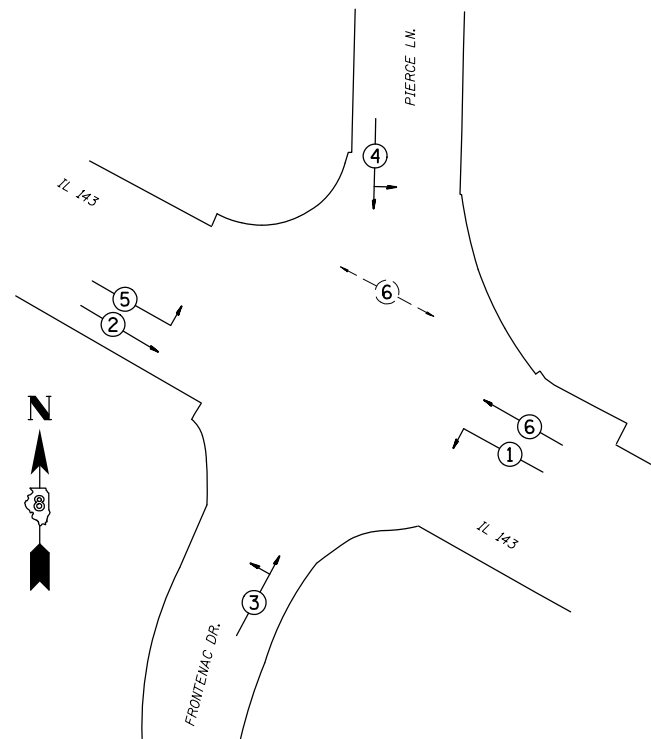


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	←	→	↔	↔	↔	↔	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

IN FLASHING MODE, ALL SIGNAL FACES SHALL FLASH RED. PEDESTRIAN MOVEMENT ON ACTUATION ONLY

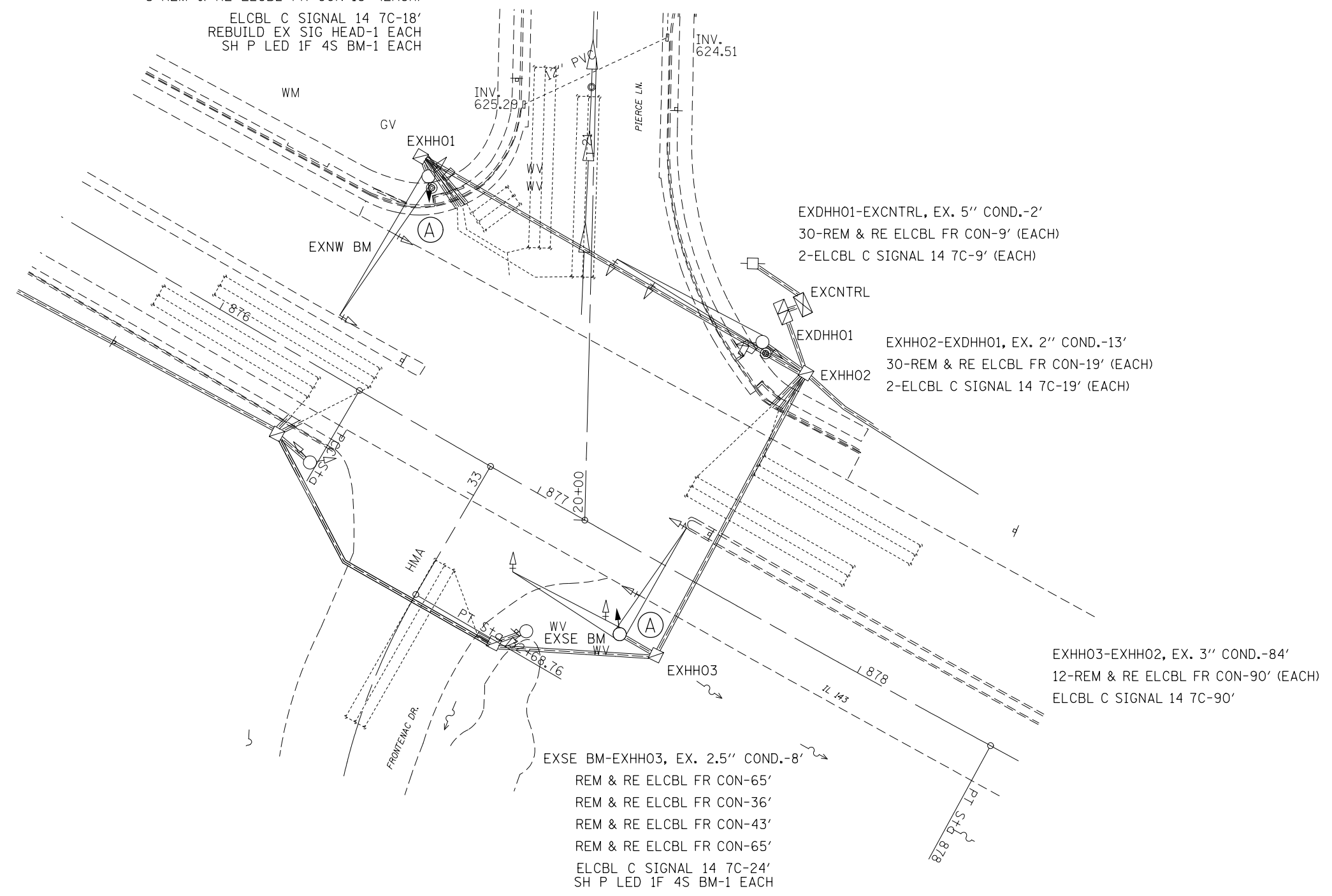


PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH01, EX. 2" COND.-2'
 REM & RE ELCBL FR CON-70'
 REM & RE ELCBL FR CON-43'
 3-REM & RE ELCBL FR CON-18' (EACH)
 ELCBL C SIGNAL 14 7C-18'
 REBUILD EX SIG HEAD-1 EACH
 SH P LED 1F 4S BM-1 EACH

EXHH01-EXHH02, EX. 2.5" COND.-117'
 8-REM & RE ELCBL FR CON-124' (EACH)
 ELCBL C SIGNAL 14 7C-124'

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



EXDHH01-EXCNTRL, EX. 5" COND.-2'
 30-REM & RE ELCBL FR CON-9' (EACH)
 2-ELCBL C SIGNAL 14 7C-9' (EACH)


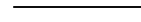
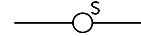

EXHH02-EXDHH01, EX. 2" COND.-13'
 30-REM & RE ELCBL FR CON-19' (EACH)
 2-ELCBL C SIGNAL 14 7C-19' (EACH)

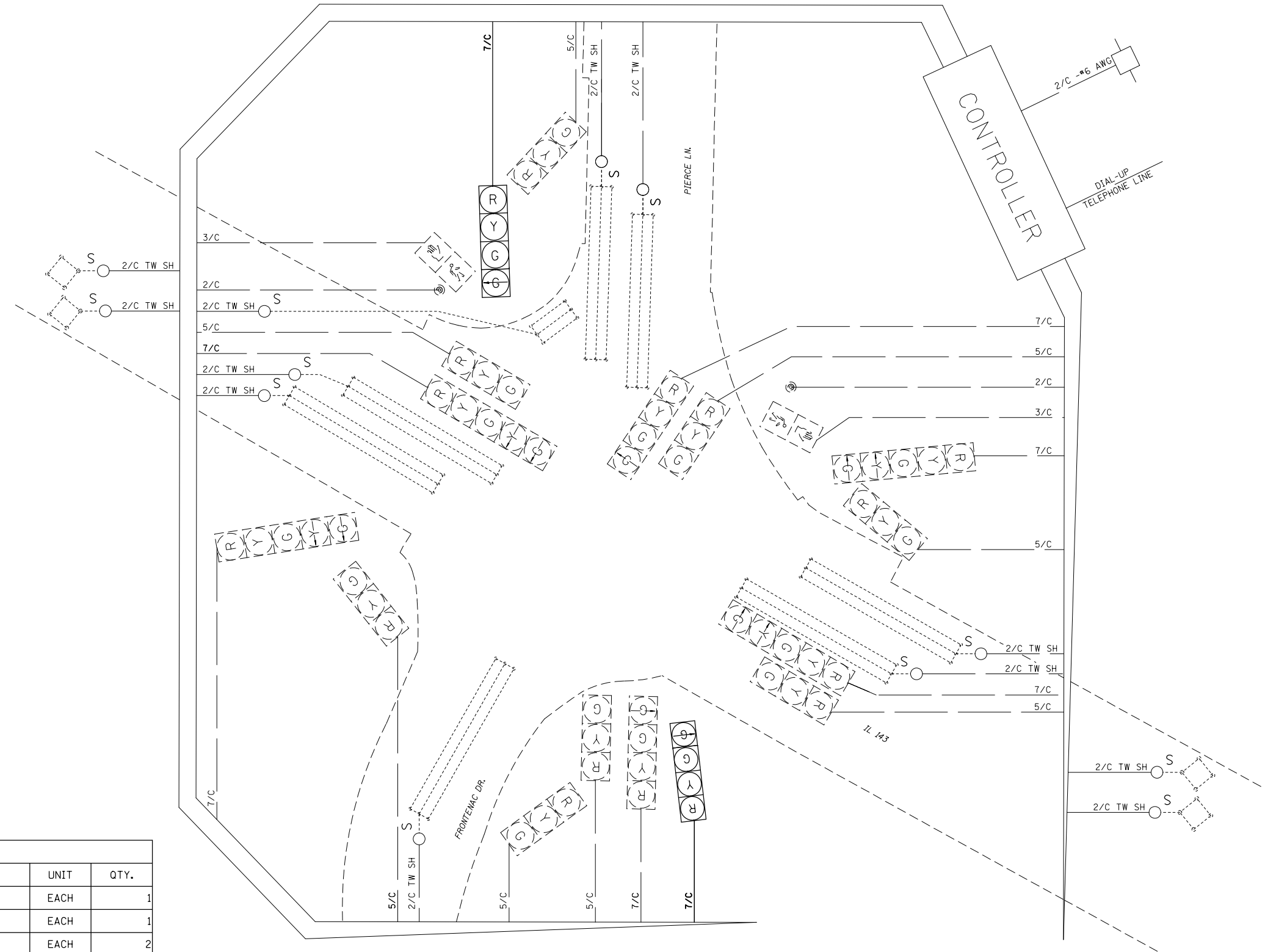
EXHH03-EXHH02, EX. 3" COND.-84'
 12-REM & RE ELCBL FR CON-90' (EACH)
 ELCBL C SIGNAL 14 7C-90'

EXSE BM-EXHH03, EX. 2.5" COND.-8'
 REM & RE ELCBL FR CON-65'
 REM & RE ELCBL FR CON-36'
 REM & RE ELCBL FR CON-43'
 REM & RE ELCBL FR CON-65'
 ELCBL C SIGNAL 14 7C-24'
 SH P LED 1F 4S BM-1 EACH



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED CABLE
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
7010264	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
8804010	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	0
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	328
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3288

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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

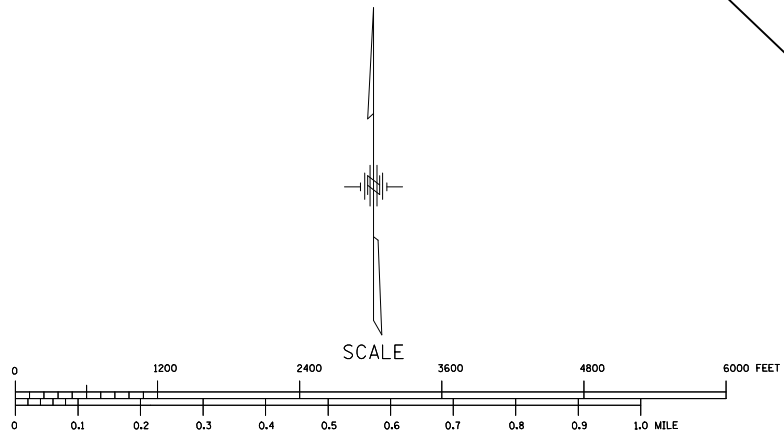
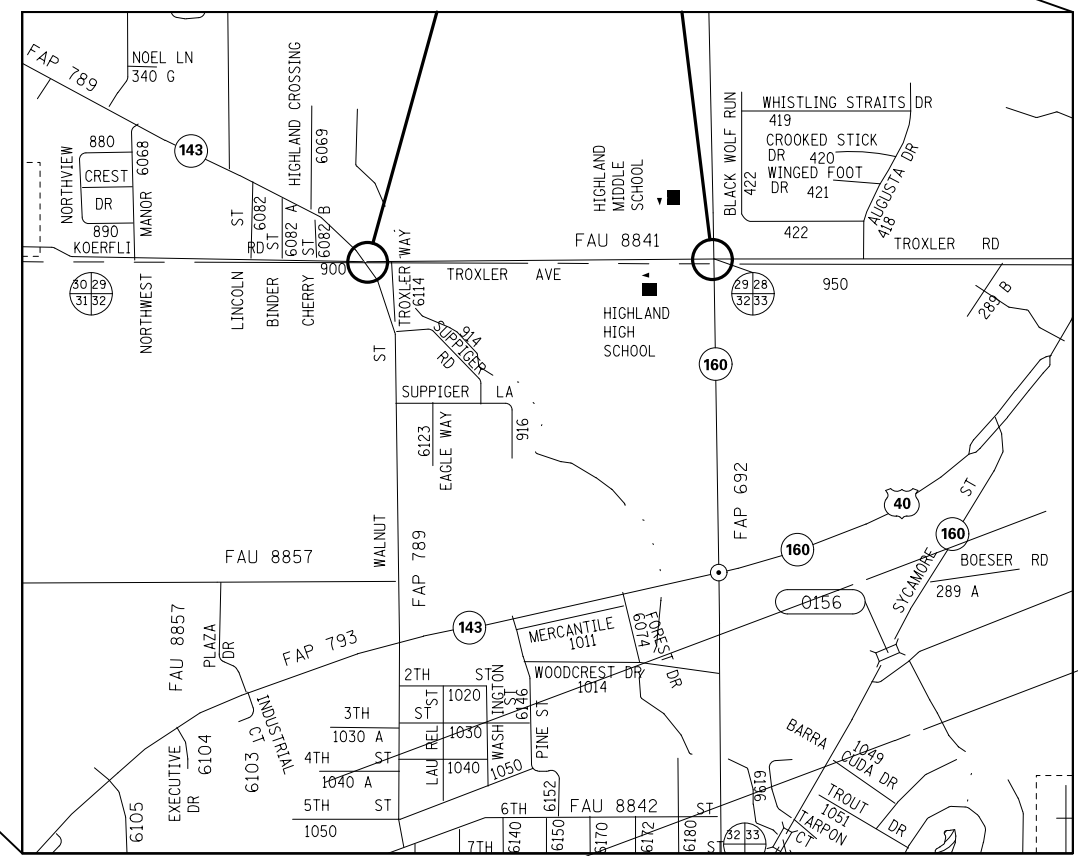
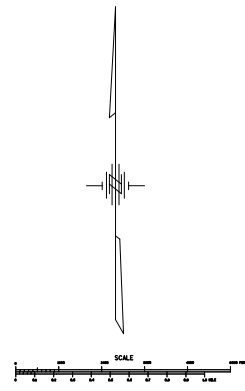
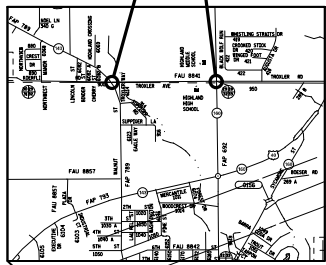
IL 3 & PIERCE/FRONTENAC (GODFREY, MADISON CNTY.)
CABLE DIAGRAM

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

ROUTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2016-1	•	71	13
•=VARIOUS		CONTRACT NO. 76J20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

IL 143 & TROXLER/KOEPFLI

IL 160 & TROXLER



FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
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	PLOT DATE = 11/16/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

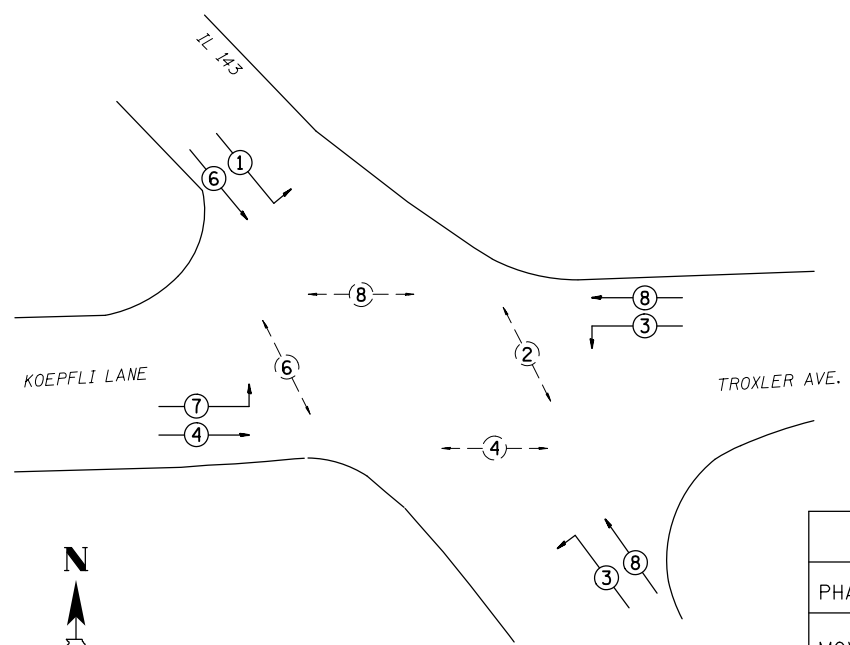
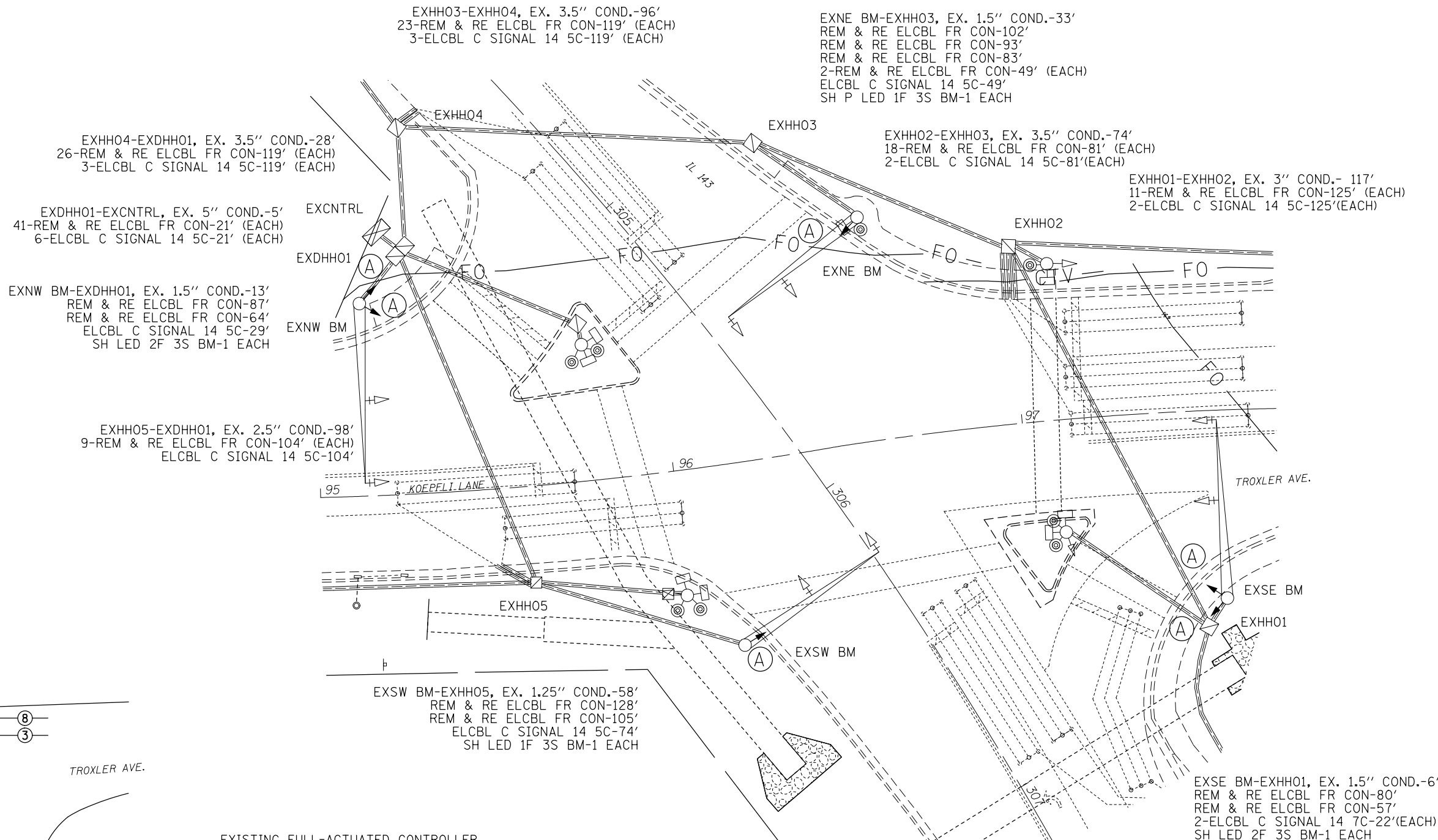
LOCATION			
MAP HIGHLAND, MADISON CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	14
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"
R
Y
G
A

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER


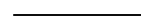
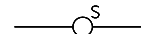
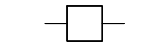
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT						NOT USED	NOT USED	
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

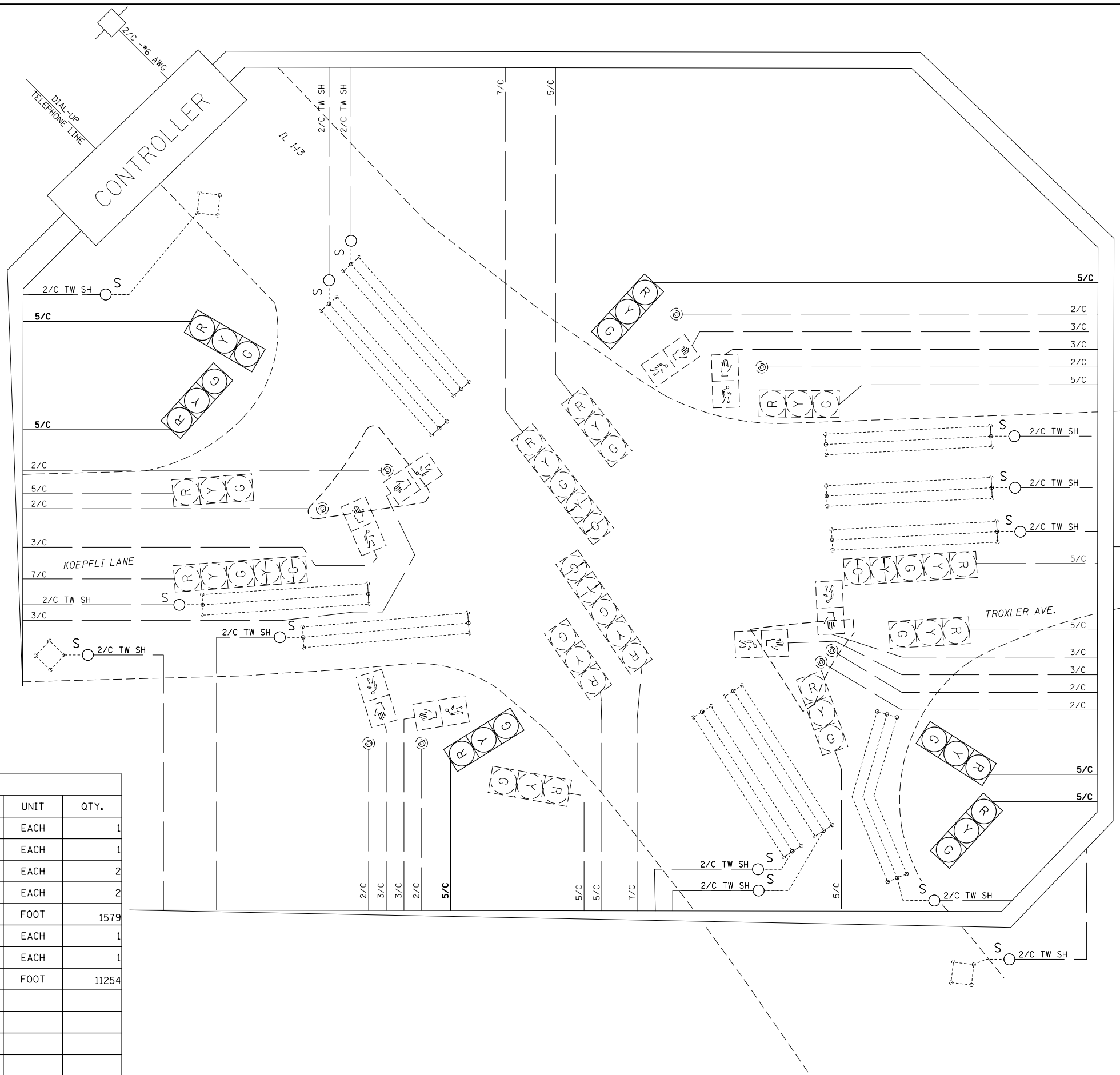
* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



SCALE IN FEET

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED CABLE
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1579
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	11254

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 11/16/2015	DATE -	REVISION -

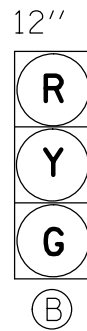
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 143 & TROXLER/KOEPLI (HIGHLAND, MADISON CNTY.)
CABLE DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-1	*	71	16
* = VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



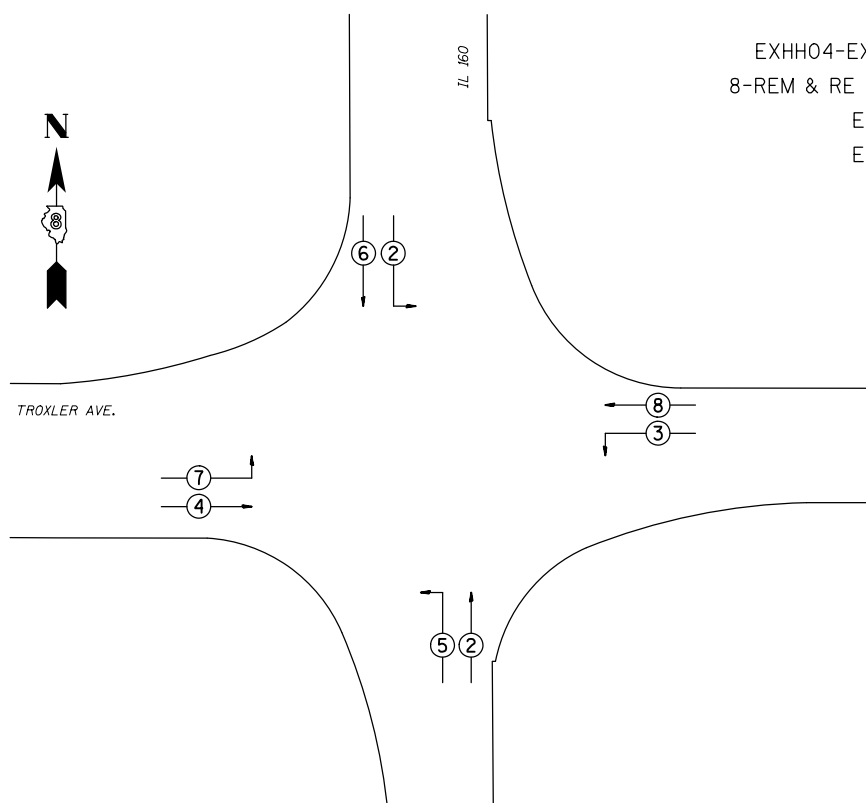


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4



PHASE DESIGNATION DIAGRAM

EXNW BM-EXDHH01, EX. 2" COND.-9'
 REM & RE ELCBL FR CON-80'
 REM & RE ELCBL FR CON-66'
 ELCBL C SIGNAL 14 5C-25'
 ELCBL C SIGNAL 14 7C-25'
 SH P LED 2F 1-3 1-5BM-1 EACH

EXHH04-EXDHH01, EX. 3" COND.-110'
 8-REM & RE ELCBL FR CON-117' (EACH)
 ELCBL C SIGNAL 14 5C-117'
 ELCBL C SIGNAL 14 7C-117'

EXSW BM-EXHH04, EX. 2" COND.-42'
 REM & RE ELCBL FR CON-112'
 REM & RE ELCBL FR CON-91'
 ELCBL C SIGNAL 14 5C-58'
 ELCBL C SIGNAL 14 7C-58'
 SH P LED 2F 1-3 1-5BM-1 EACH

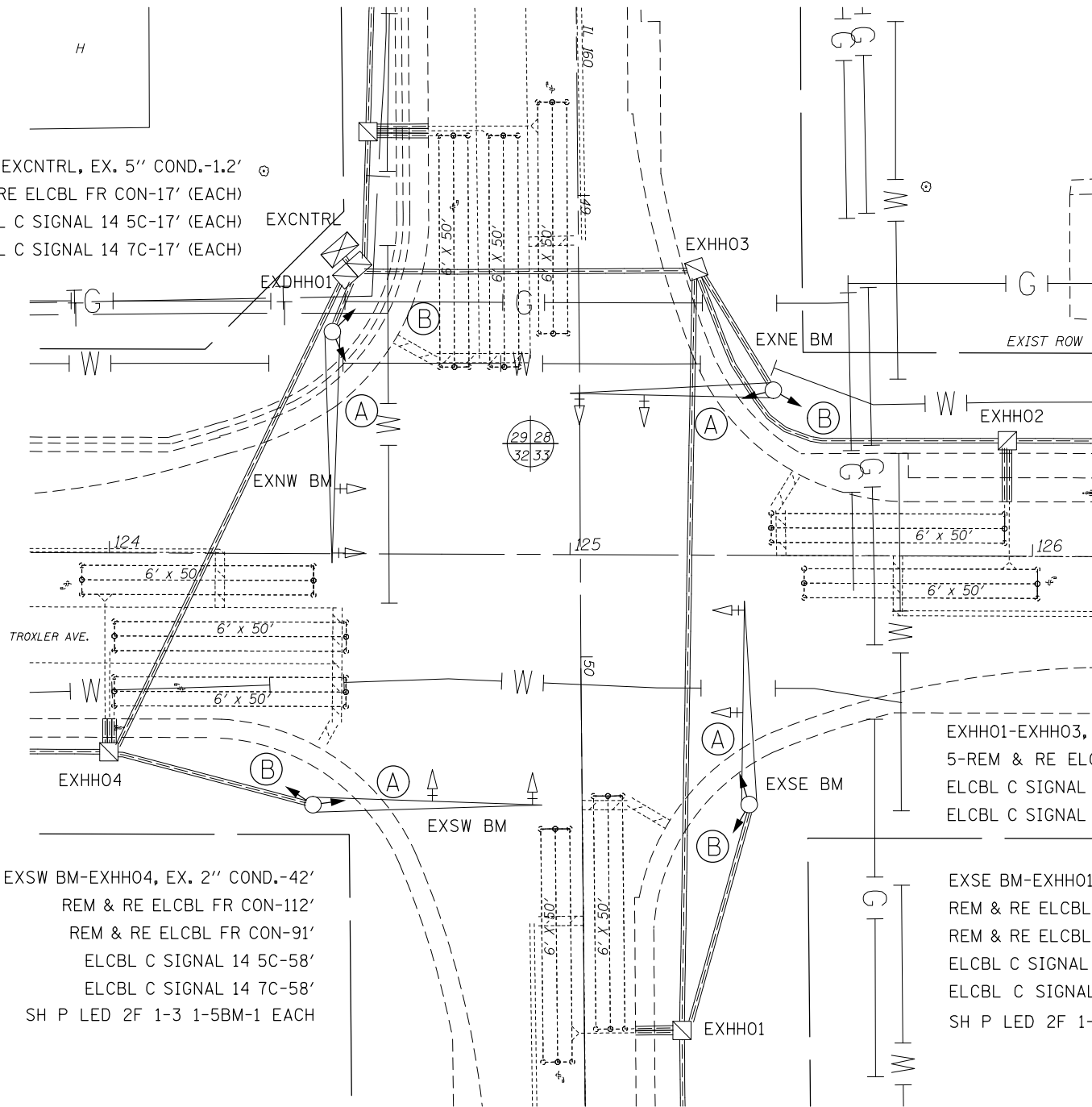
EXDHH01-EXCNTRL, EX. 5" COND.-1.2'
 24-REM & RE ELCBL FR CON-17' (EACH)
 4-ELCBL C SIGNAL 14 5C-17' (EACH)
 4-ELCBL C SIGNAL 14 7C-17' (EACH)

EXHH03-EXDHH01, EX. 3.5" COND.-69.5'
 10-REM & RE ELCBL FR CON-76' (EACH)
 2-ELCBL C SIGNAL 14 5C-76' (EACH)
 2-ELCBL C SIGNAL 14 7C-76' (EACH)

EXNE BM-EXHH03, EX. 2" COND.-27'
 REM & RE ELCBL FR CON-92'
 REM & RE ELCBL FR CON-78'
 ELCBL C SIGNAL 14 5C-43'
 ELCBL C SIGNAL 14 7C-43'
 SH P LED 2F 1-3 1-5BM-1 EACH

EXHH01-EXHH03, EX. 2.5" COND.-160'
 5-REM & RE ELCBL FR CON-167' (EACH)
 ELCBL C SIGNAL 14 5C-167'
 ELCBL C SIGNAL 14 7C-167'

EXSE BM-EXHH01, EX. 2" COND.-47'
 REM & RE ELCBL FR CON-111'
 REM & RE ELCBL FR CON-89'
 ELCBL C SIGNAL 14 5C-63'
 ELCBL C SIGNAL 14 7C-63'
 SH P LED 2F 1-3 1-5BM-1 EACH



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



FILE NAME =	USER NAME = prestonm	DESIGNED -	REVISED -
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		DATE -	REVISED -


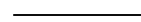
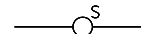
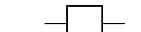
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

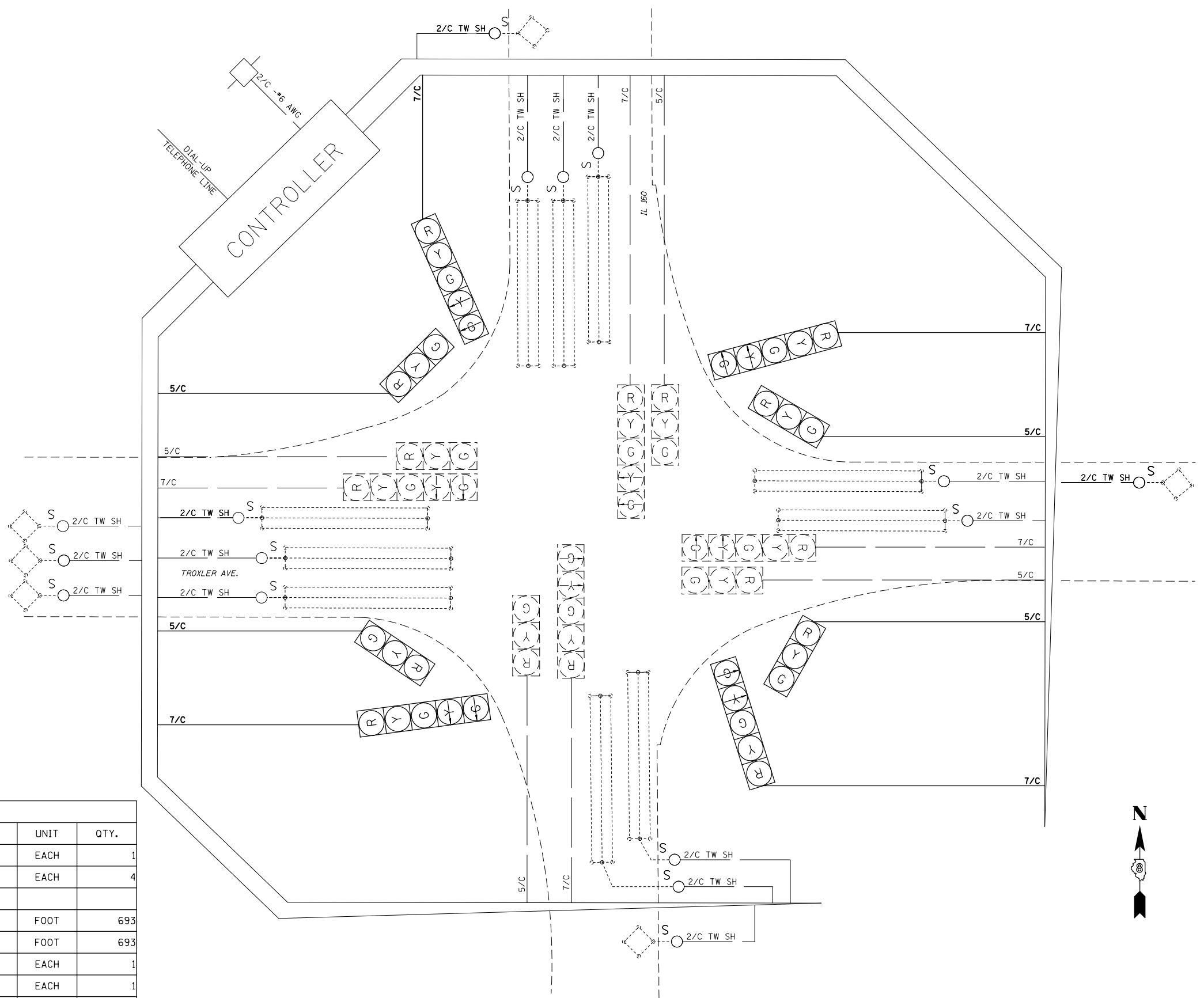
**IL 160 & TROXLER (HIGHLAND, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN**

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

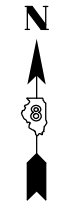
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-1	*	71	17
*VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED CABLE
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	693
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	693
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3658



FILE NAME = USER NAME = prestonme DESIGNED - REVISED -
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 PLOT DATE = 11/16/2015 DATE - REVISED -

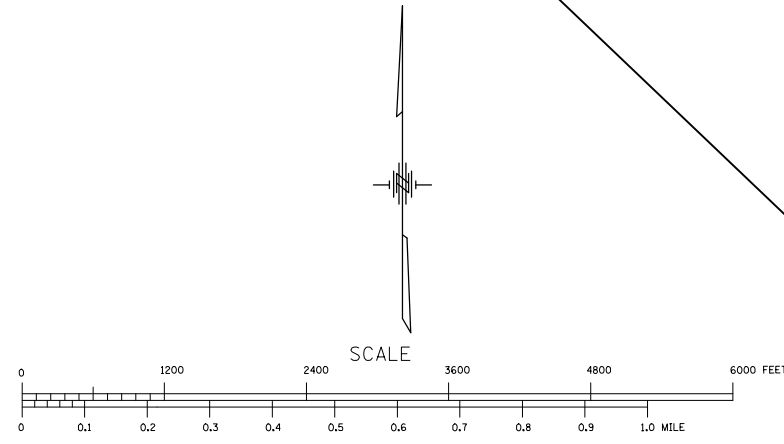
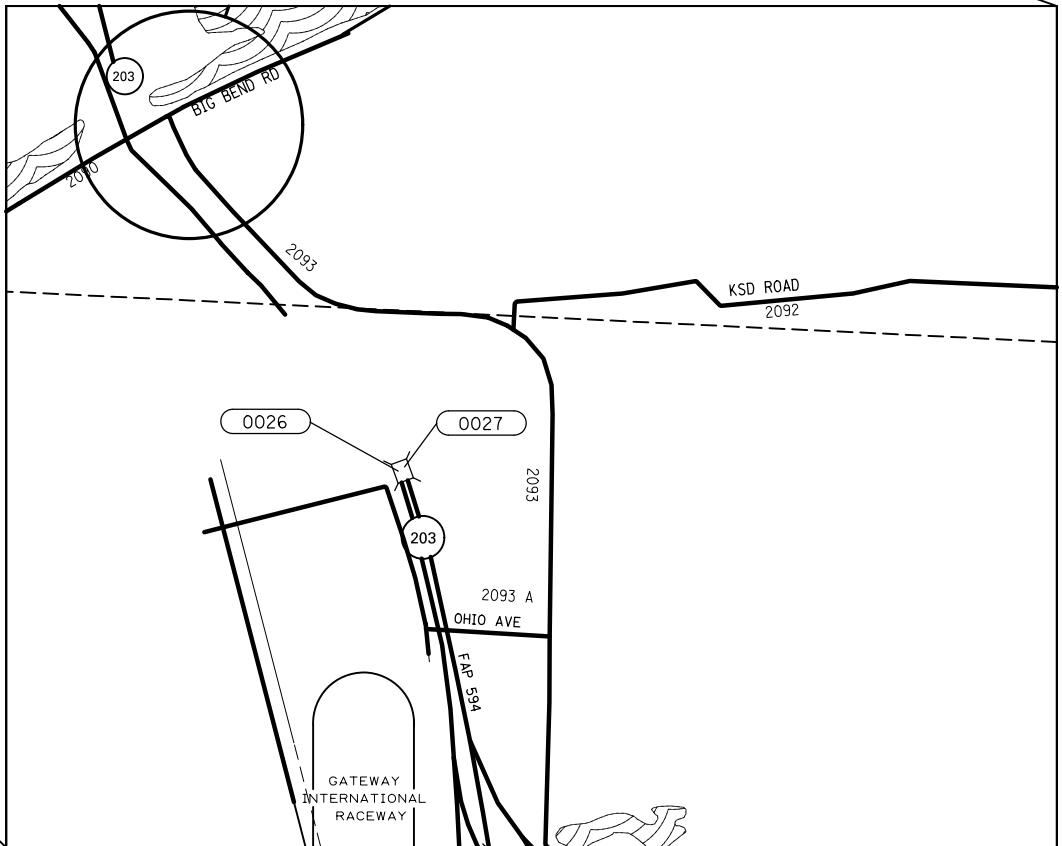
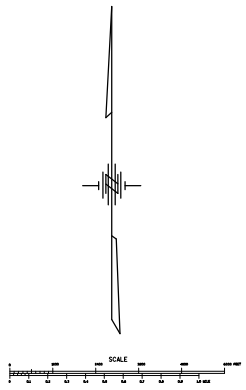
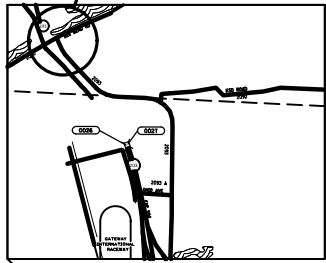
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 160 & TROXLER (HIGHLAND, ST. CLAIR CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	18
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

IL 203 & BIG BEND



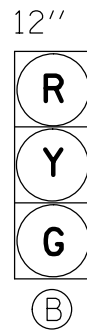
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP MADISON, MADISON CNTY.**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	19
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	NOT USED	↑	↓	→	NOT USED	↓
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

EXHH01-EXHH02, EX. 2" COND.-59'
5-REM & RE ELCBL FR CON-65' (EACH)
2-ELCBL C SIGNAL 14 5C-65' (EACH)

EXSE BM-EXHH01, EX. 2" COND.-15'
REM & RE ELCBL FR CON-82'
REM & RE ELCBL FR CON-78'
REM & RE ELCBL FR CON-67'
2-ELCBL C SIGNAL 14 5C-31' (EACH)
SH LED 2F 3S BM-1 EACH

EXNW BM-EXHH04, EX. 2" COND.-18'
REM & RE ELCBL FR CON-85'
REM & RE ELCBL FR CON-70'
ELCBL C SIGNAL 14 5C-34'
ELCBL C SIGNAL 14 7C-34'
SH P LED 2F 1-3 1-5BM-1 EACH

EXHH04-EXHH05, EX. 2" COND.-71'
4-REM & RE ELCBL FR CON-77' (EACH)
ELCBL C SIGNAL 14 5C-77'
ELCBL C SIGNAL 14 7C-77'
SH P LED 2F 1-3 1-5BM-1 EACH

EXHH05-EXDHH01, EX. 2.5" COND.-56'
5-REM & RE ELCBL FR CON-62' (EACH)
ELCBL C SIGNAL 14 5C-62'
ELCBL C SIGNAL 14 7C-62'

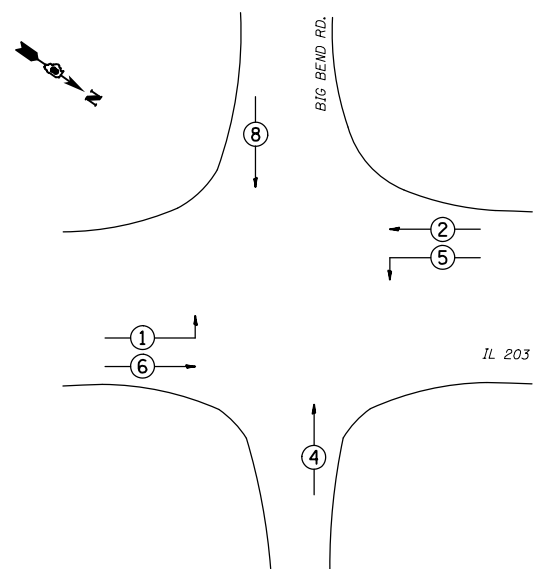
EXHH02-EXHH03, EX. 2.5" COND.-76'
8-REM & RE ELCBL FR CON-82' (EACH)
2-ELCBL C SIGNAL 14 5C-82' (EACH)

EXHH03-EXSE BM, EX. 2" COND.-14'
REM & RE ELCBL FR CON-81'
REM & RE ELCBL FR CON-66'
ELCBL C SIGNAL 14 5C-30'
ELCBL C SIGNAL 14 7C-30'
SH P LED 2F 1-3 1-5BM-1 EACH

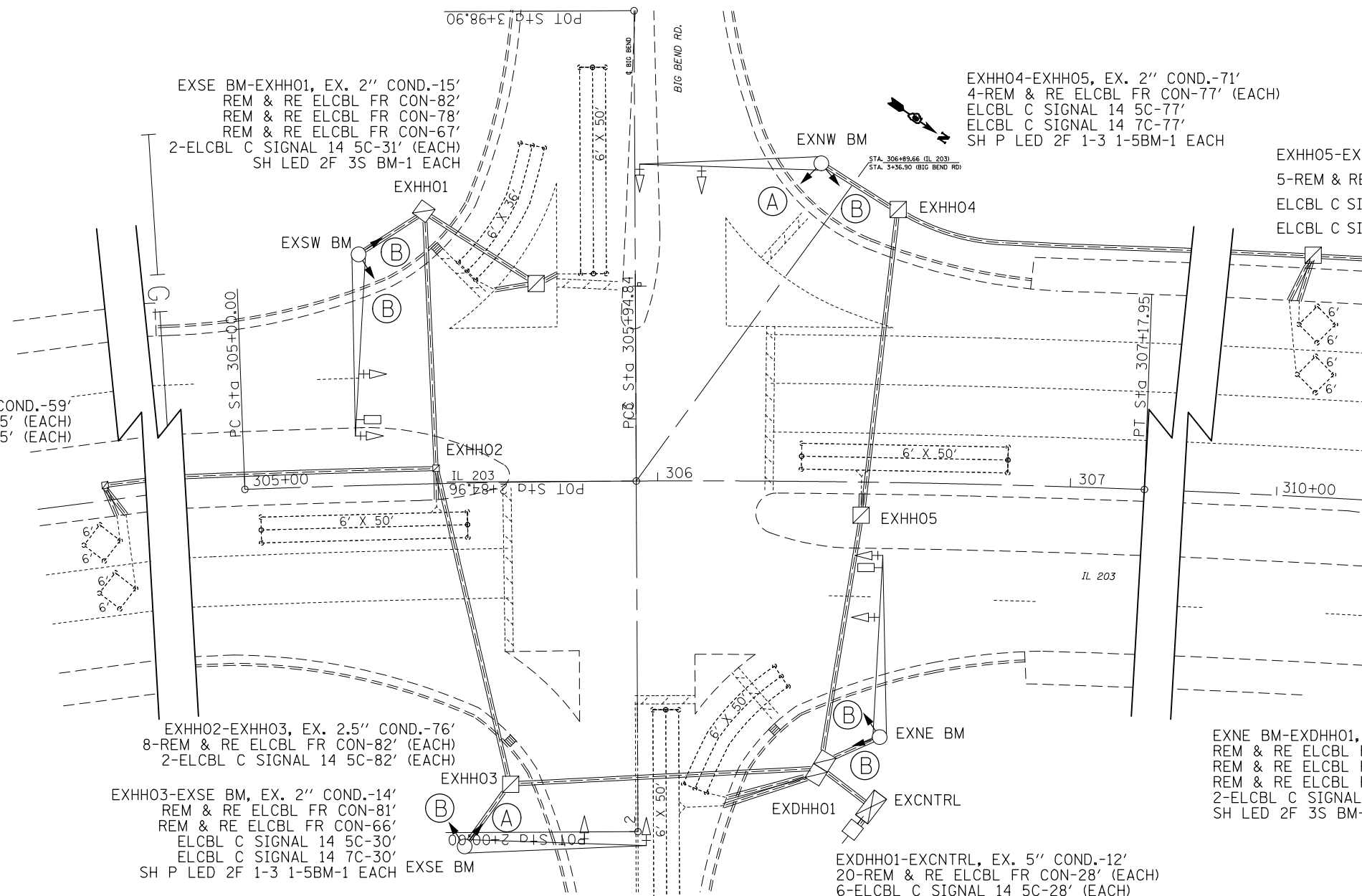
EXHH03-EXDHH01, EX. 2.5" COND.-71'
10-REM & RE ELCBL FR CON-77' (EACH)
3-ELCBL C SIGNAL 14 5C-77' (EACH)
ELCBL C SIGNAL 14 7C-77'

EXDHH01-EXCNTRL, EX. 5" COND.-12'
20-REM & RE ELCBL FR CON-28' (EACH)
6-ELCBL C SIGNAL 14 5C-28' (EACH)
2-ELCBL C SIGNAL 14 7C-28' (EACH)

EXNE BM-EXDHH01, EX. 2" COND.-10'
REM & RE ELCBL FR CON-77'
REM & RE ELCBL FR CON-74'
REM & RE ELCBL FR CON-62'
2-ELCBL C SIGNAL 14 5C-26' (EACH)
SH LED 2F 3S BM-1 EACH



PHASE DESIGNATION DIAGRAM



SCALE IN FEET

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0876\DRAWING\DATA\EA0\Sheets\0876J20-shr-tsp\		CHECKED -	REVISED -
		DATE -	REVISED -


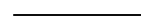
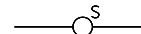
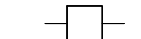
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

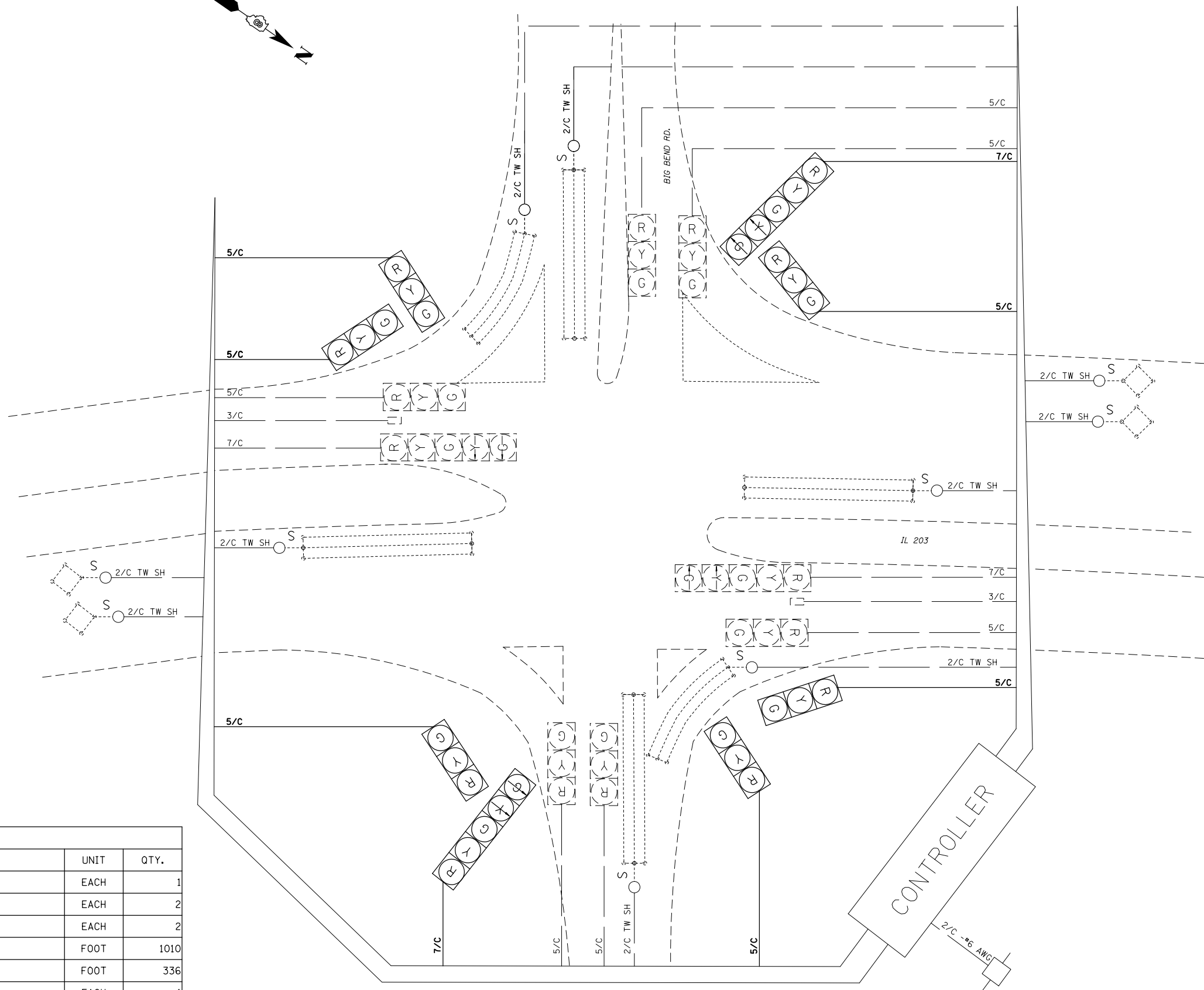
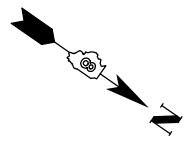
IL 203 & BIG BEND (MADISON, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2015-1	*	71	20
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1010
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	336
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3671

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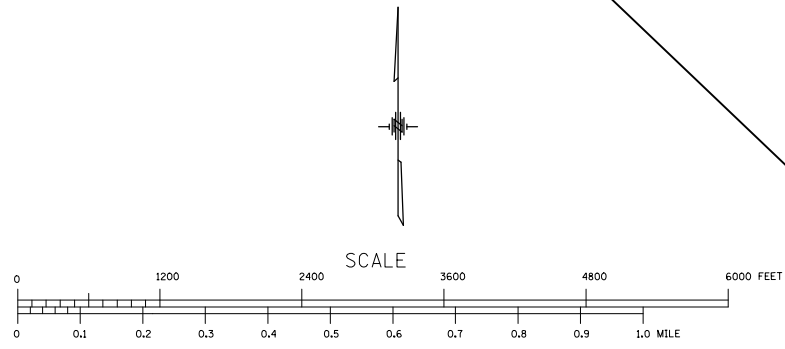
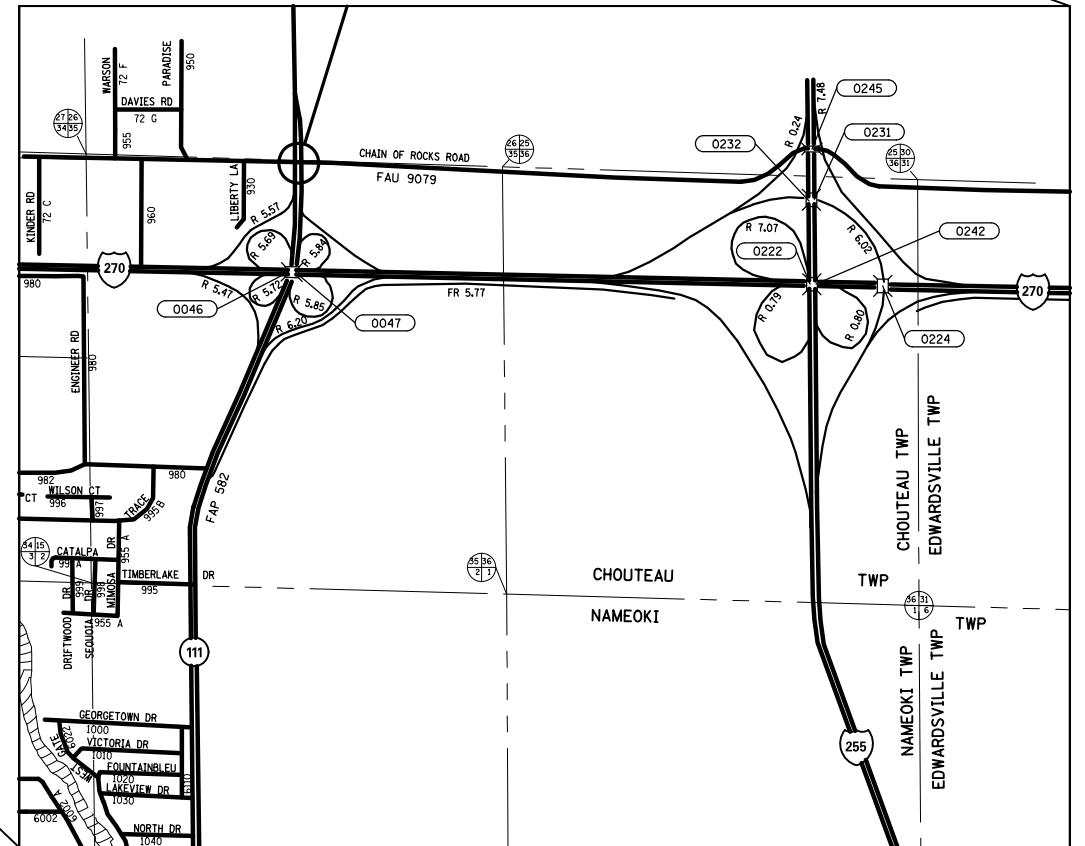
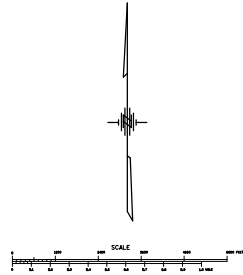
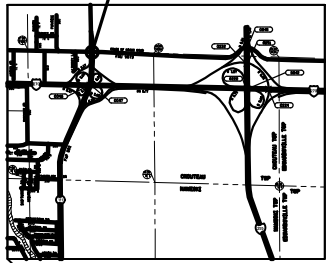
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 203 & BIG BEND (MADISON, MADISON CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	71	21
•=VARIOUS		CONTRACT NO. 76H77		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

IL 111 & CHAIN OF ROCKS



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	PLOT DATE = 11/16/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION
MAP PONTOON BEACH, MADISON CNTY.

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

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	22
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"

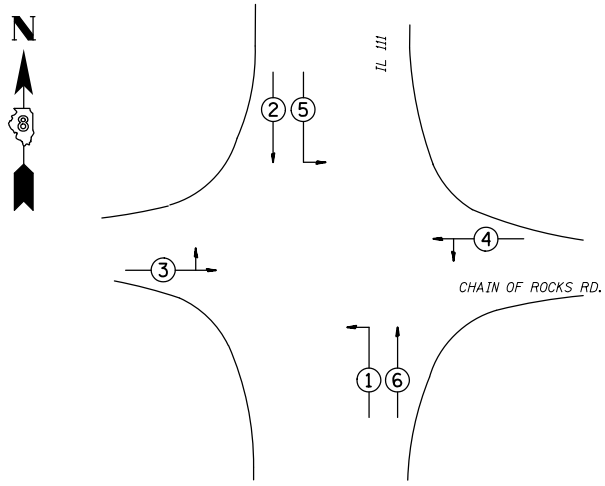


SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

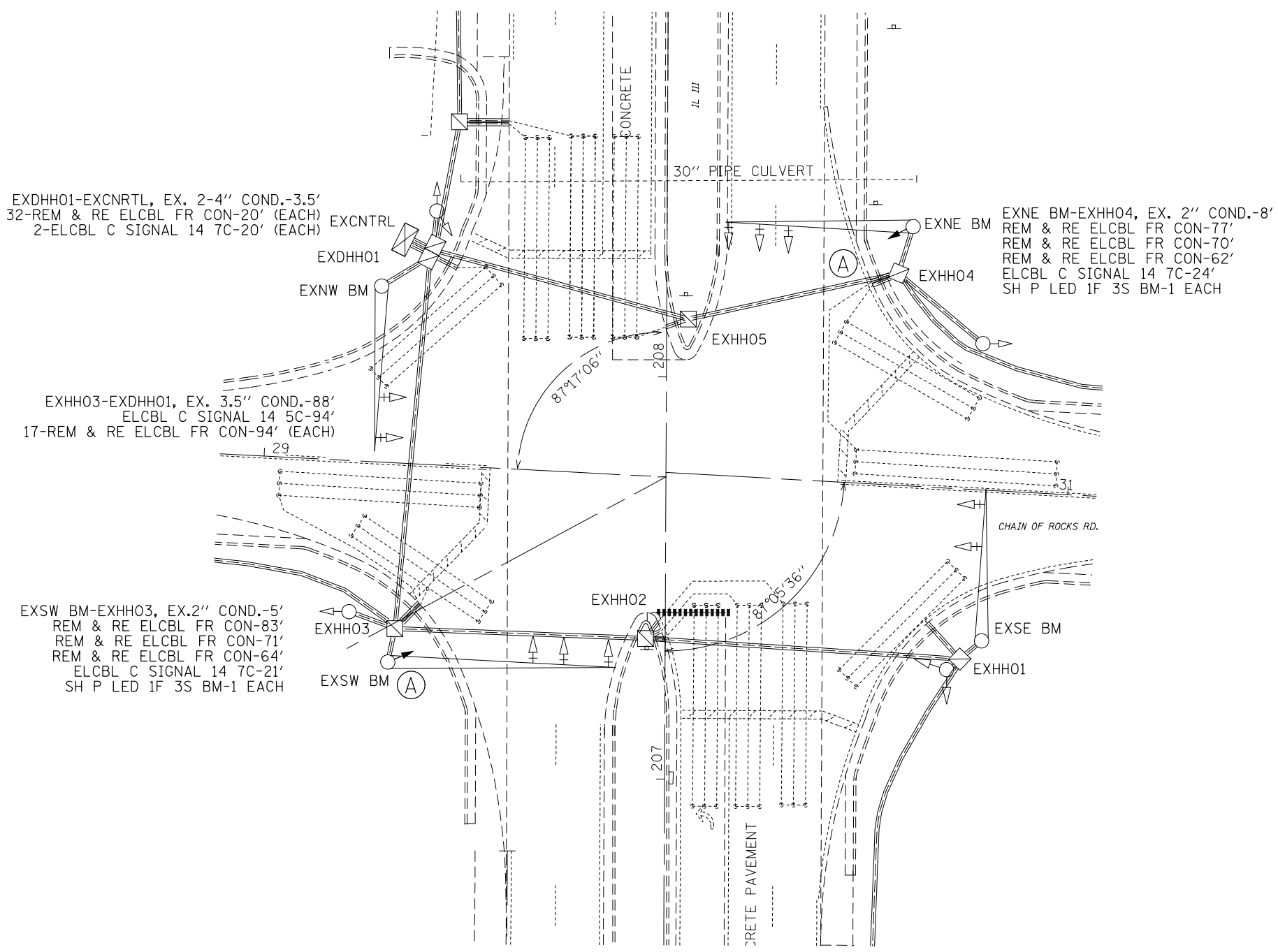
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↖	↓	↗	↔	↘	↑	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		



PHASE DESIGNATION DIAGRAM

EXHH05-EXDHH01, EX. 2.5" COND.-63'
8-REM & RE ELCBL FR CON-69' (EACH)
ELCBL C SIGNAL 14 7C-69'

EXHH04-EXHH05, EX. 2.5" COND.-50'
7-REM & RE ELCBL FR CON-57' (EACH)
ELCBL C SIGNAL 14 7C-57'



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		DATE -	REVISED -



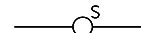
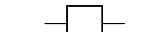
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

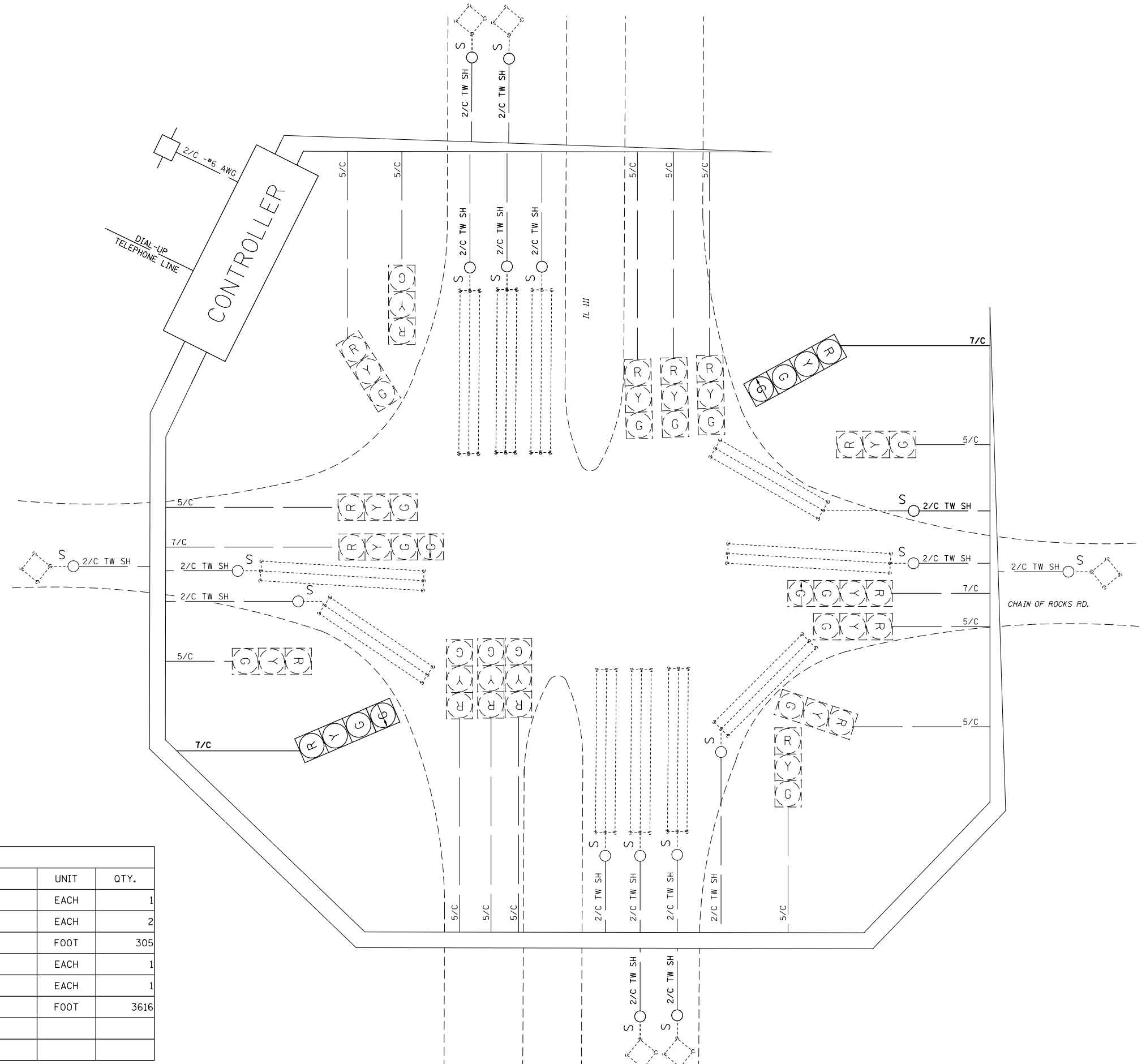
IL 111 & CHAIN OF ROCKS (N OF PONTOON BEACH, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-1	*	71	23
*VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	305
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3616

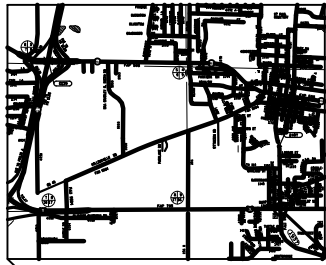
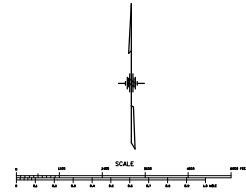
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	PLOT DATE = 11/16/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

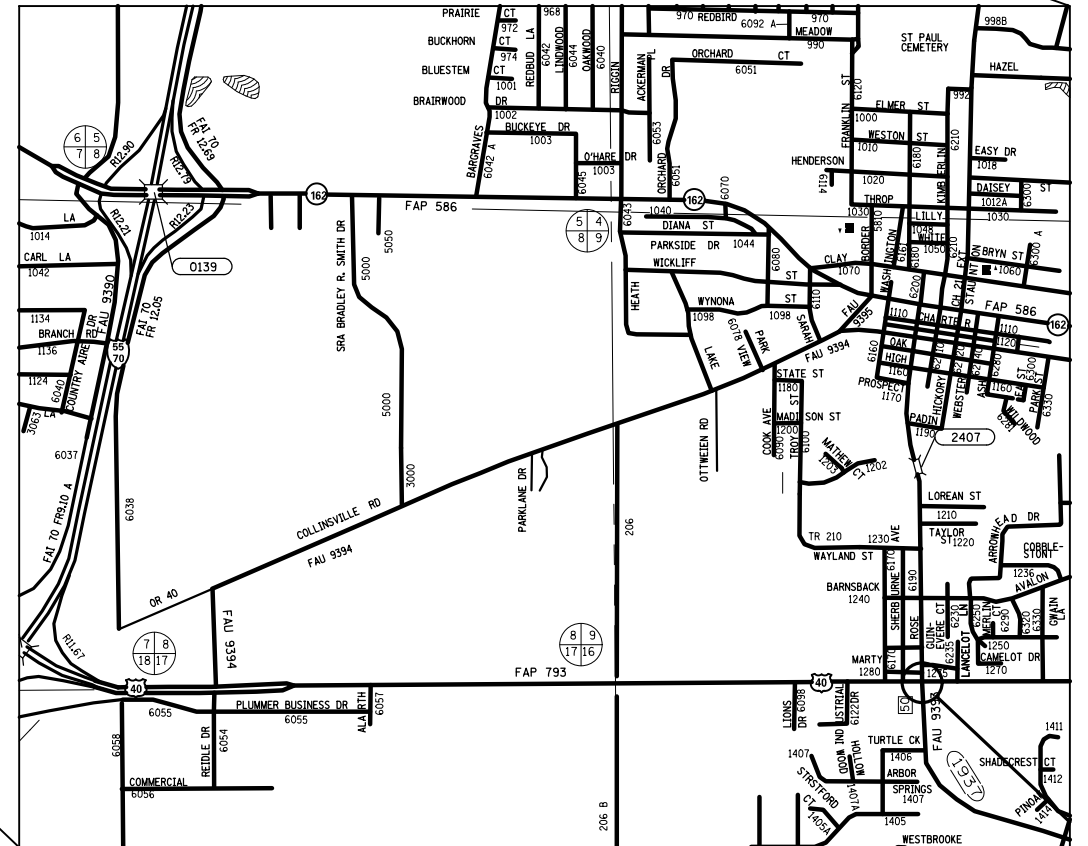
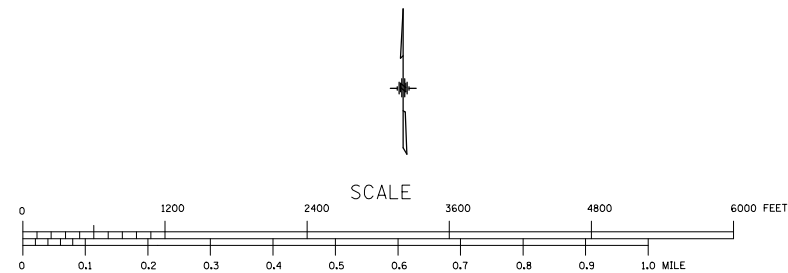
IL 111 & CHAIN OF ROCKS (N OF PONTOON BEACH, MADISON CNTY.)
CABLE DIAGRAM

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	24
•=VARIOUS		CONTRACT NO. 76J20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



US 40 & MAIN/TROY O'FALLON



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP TROY, MADISON CNTY.**

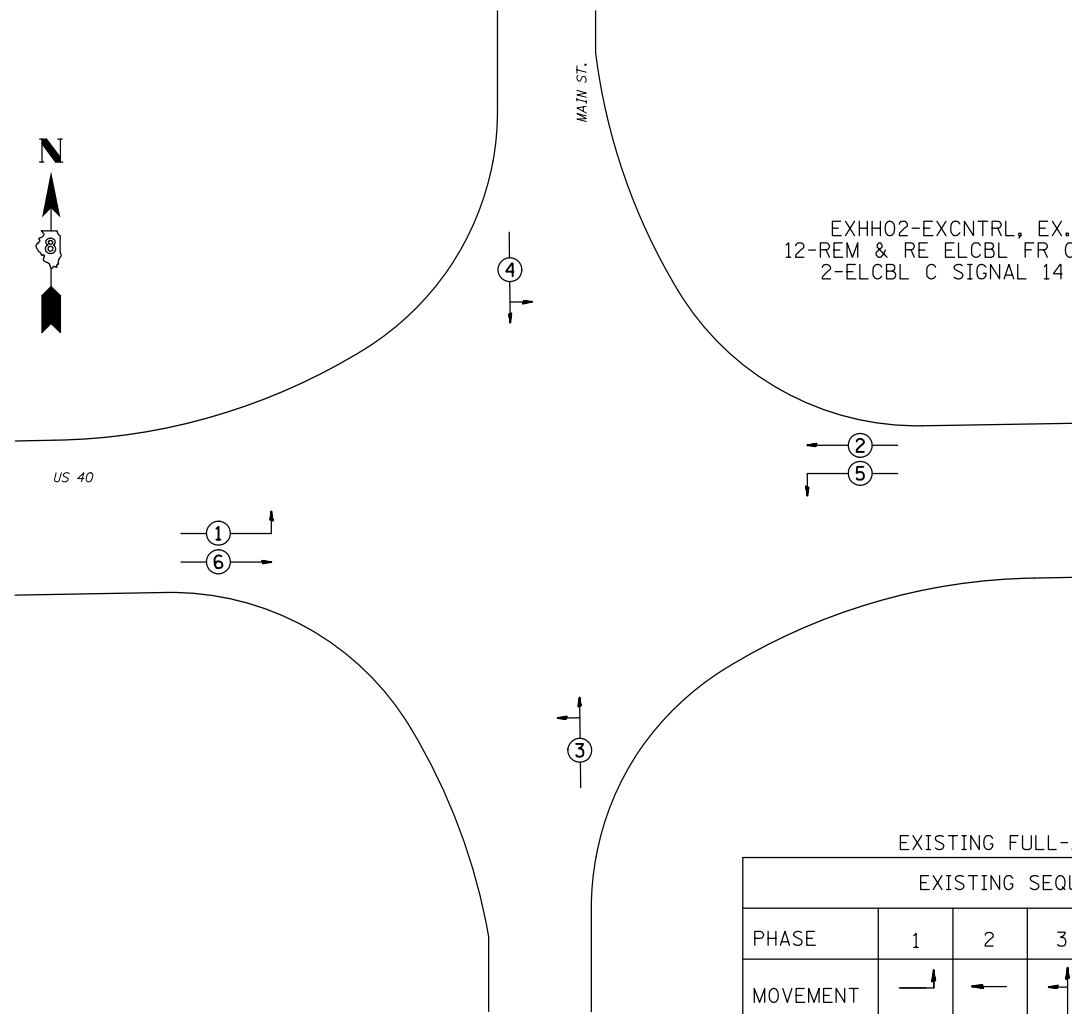
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2016-1	*	71	25
* = VARIOUS				CONTRACT NO. 76J20
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

12"
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SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES

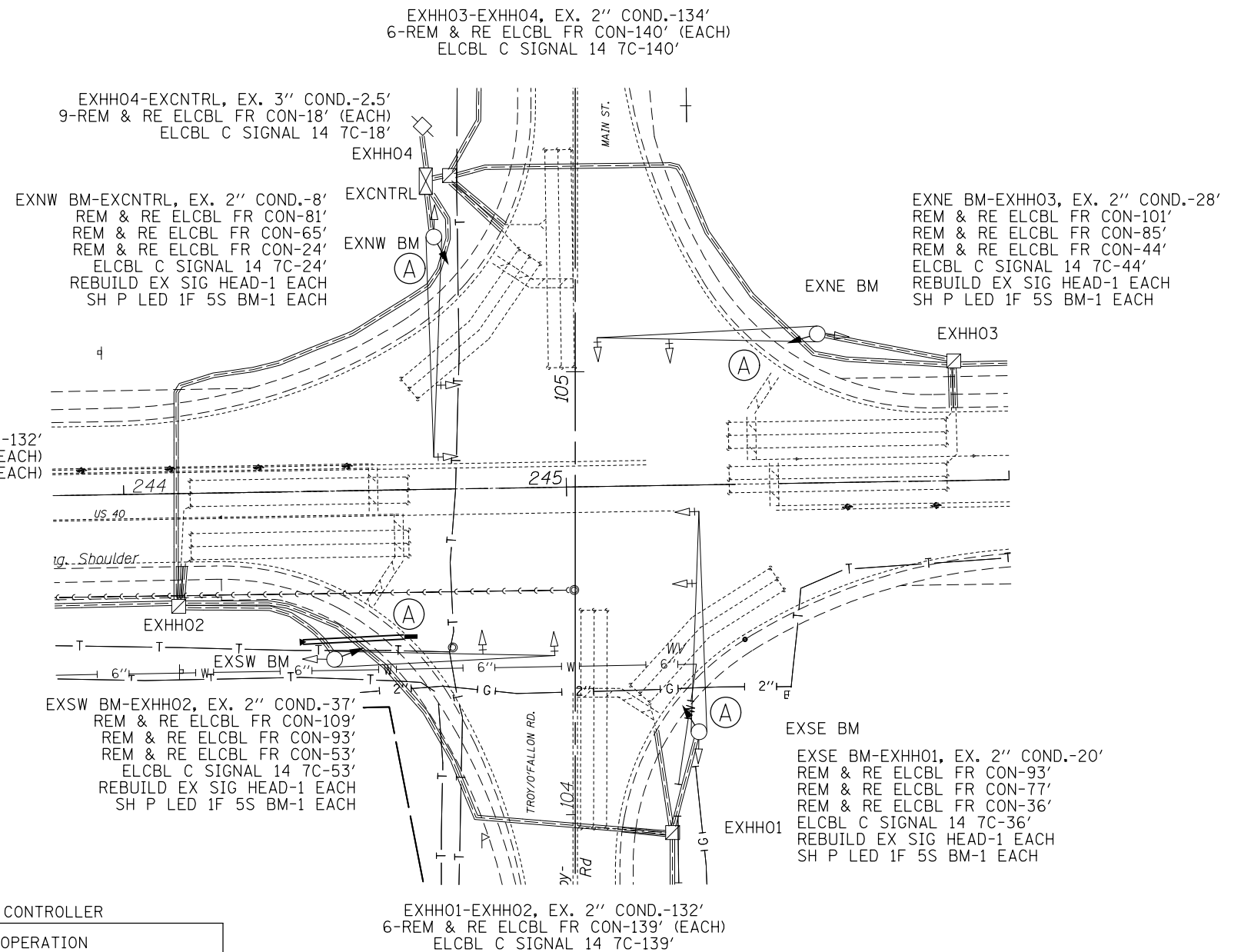


PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↘	←	↙	↘	↙	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		



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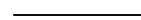
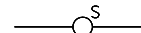
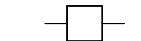
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

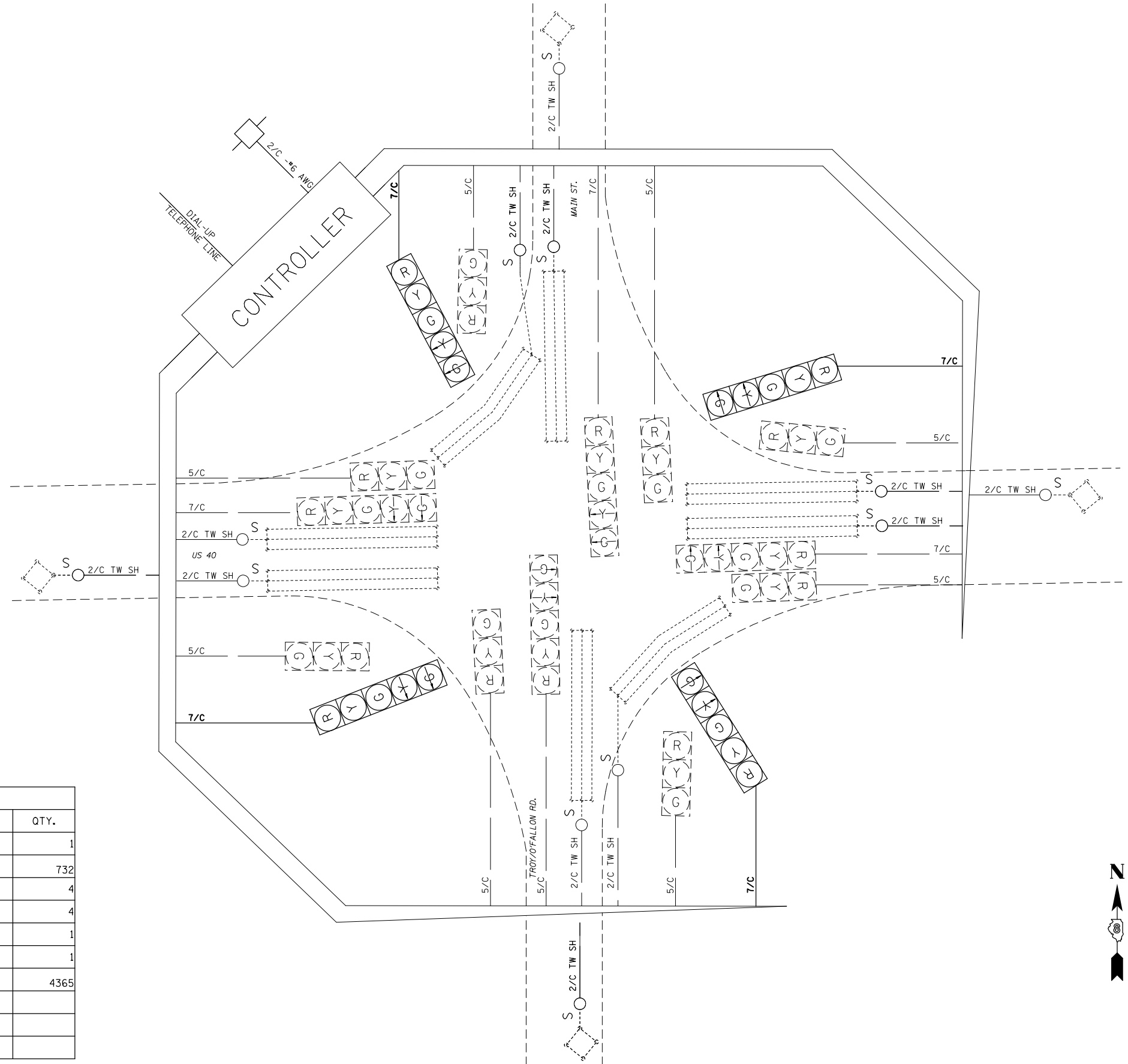
US 40 & MAIN TROY O'FALLON RD. (TROY, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-1	*	71	26
* = VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	732
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4365



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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

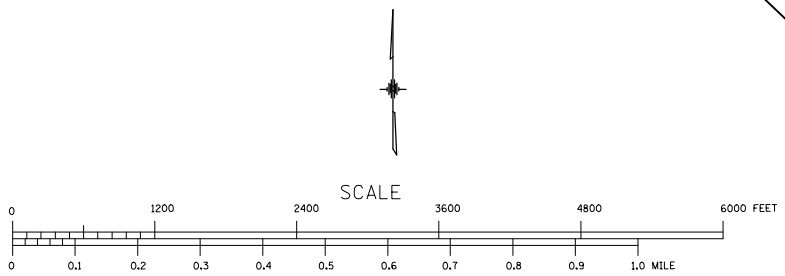
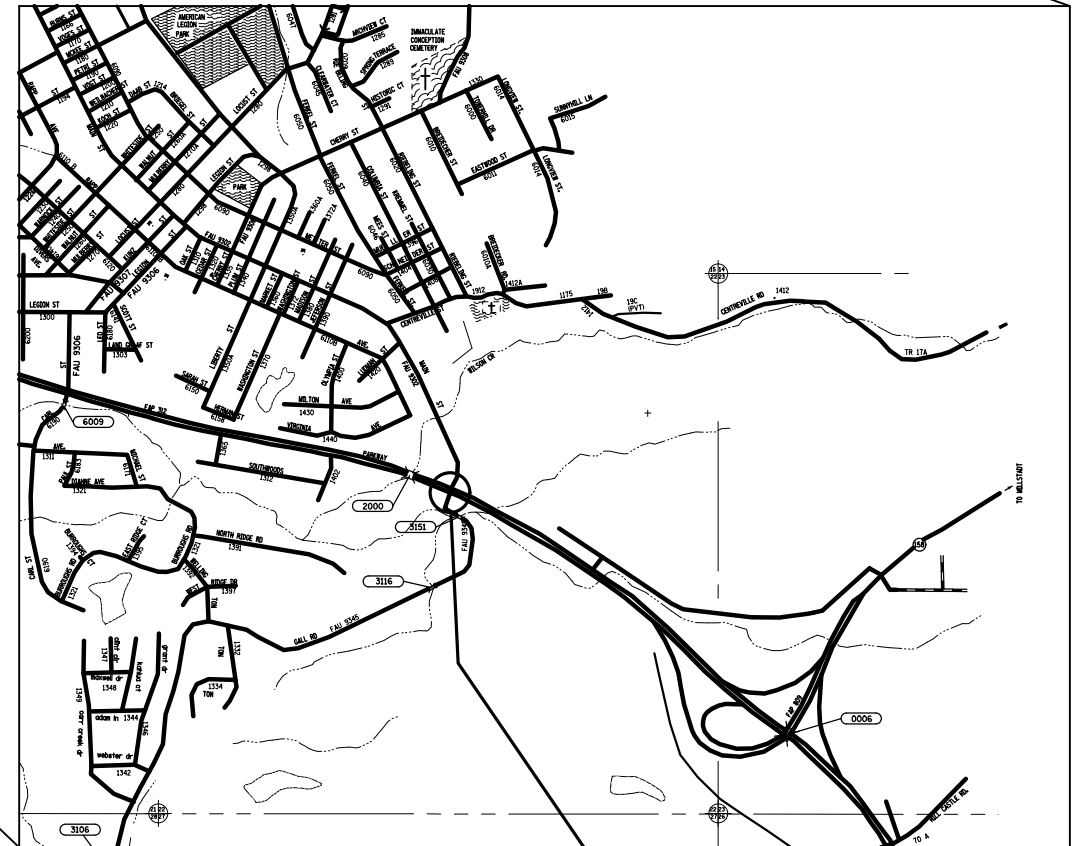
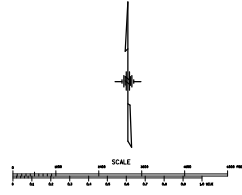
**US 40 & MAINTROY O'FALLON RD. (TROY, MADISON CNTY.)
CABLE DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-1	*	71	27
* = VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



IL 3 & S. MAIN ST./GALL RD.



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	PLOT DATE = 11/16/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP COLUMBIA, MONROE CNTY.**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	28
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"



(A)

PROPOSED TRAFFIC SIGNAL FACES

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

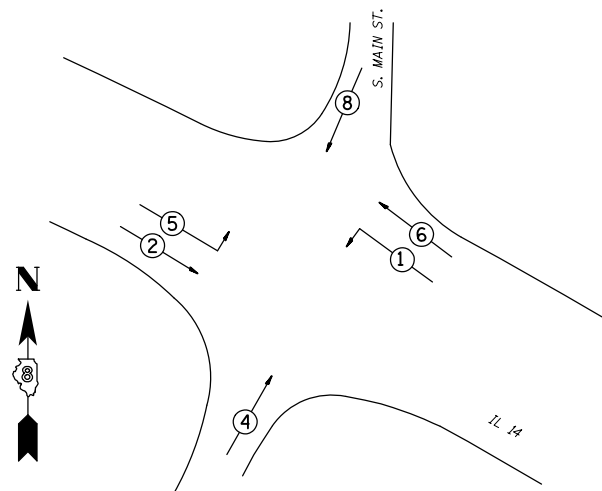
EXHH02-EXHH03, EX. 2 1/2" COND.-103'
9-REM & RE ELCBL FR CON-110' (EACH)
ELCBL C SIGNAL 14 7C-110'

EXHH03-EXDHH01, EX. 3 1/2" COND.-129'
20-REM & RE ELCBL FR CON-136' (EACH)
ELCBL C SIGNAL 14 7C-136'

EXNE BM-EXDHH01, EX. 2" COND.-12'
REM & RE ELCBL FR CON-65'
REM & RE ELCBL FR CON-42'
REM & RE ELCBL FR CON-35'
ELCBL C SIGNAL 14 7C-35'
REBUILD EX SIG HEAD-1 EACH
SH P LED 1F 5S BM-1 EACH

EXHH01-EXHH02, EX. 2 1/2" COND.-58'
7-REM & RE ELCBL FR CON-65' (EACH)
ELCBL C SIGNAL 14 7C-65'

EXDHH01-CNTRL, EX. 5" COND.-5'
32-REM & RE ELCBL FR CON-14' (EACH)
2-ELCBL C SIGNAL 14 7C-14' (EACH)



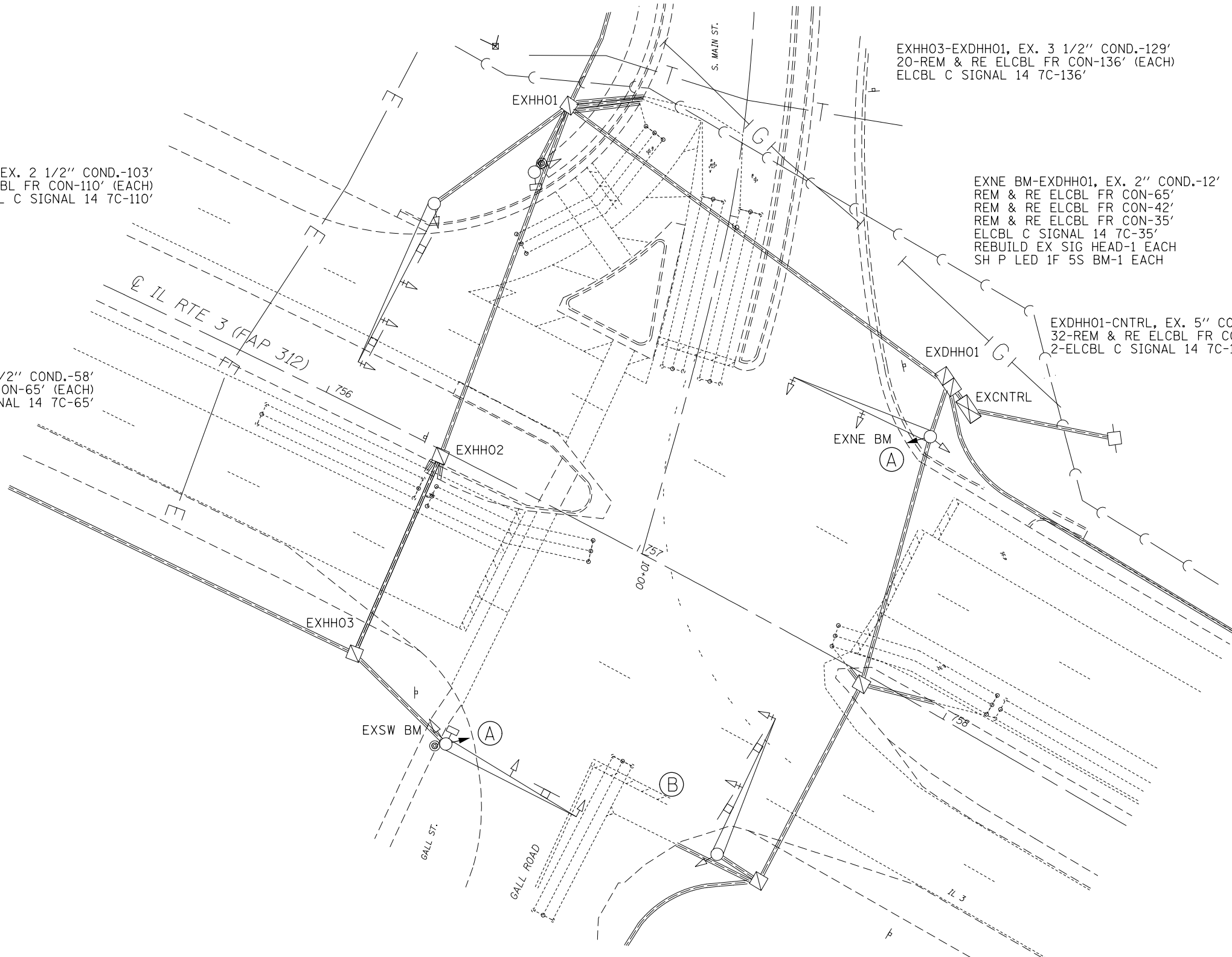
PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

PEDESTRIAN SIGNALS BY PUSH BUTTON, ONLY



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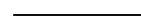
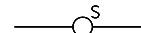
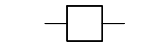
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

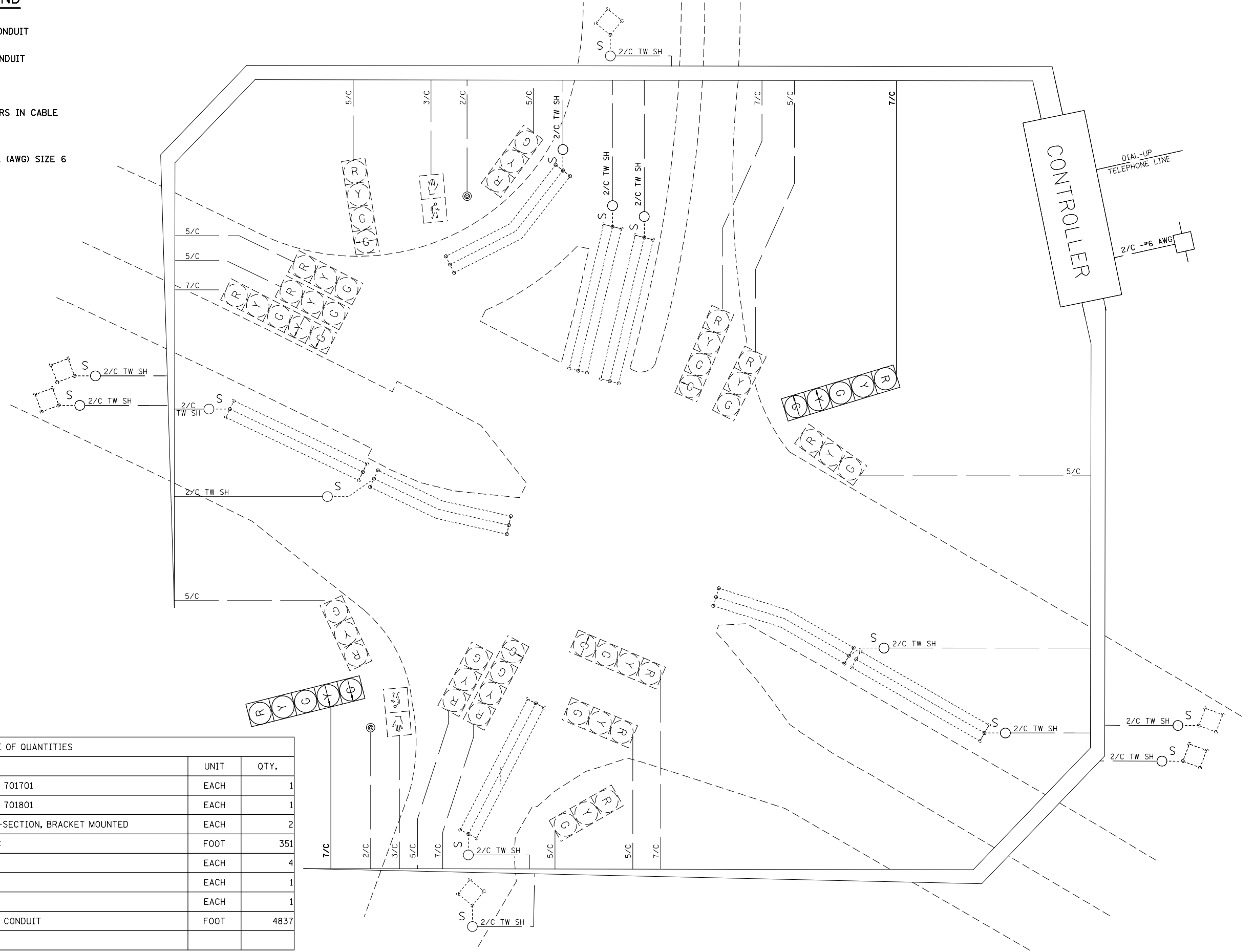
IL RTE 3 & S MAIN ST/GALL RD (COLUMBIA, MONROE CNTY.)
TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8	DIST 8 TS 2016-1		71	29
*VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED CABLE
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
7010264	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	351
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4837

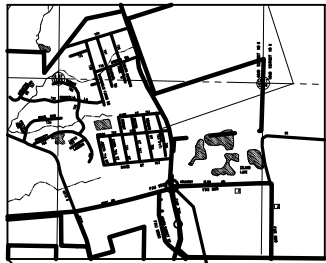
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

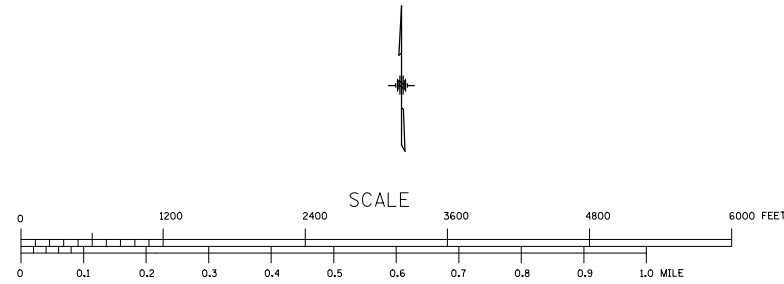
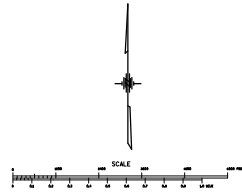
**IL RTE 3 & S MAIN ST/GALL RD (COLUMBIA, MONROE CNTY.)
CABLE DIAGRAM**

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2016-1	•	71	30
* = VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



IL 3 & HH/COUNTRY CLUB



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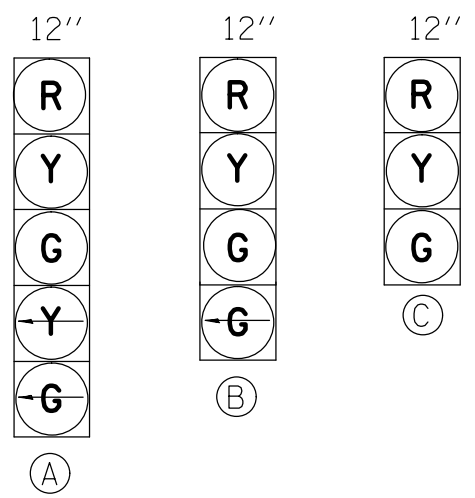
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP WATERLOO, MONROE CNTY.**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	31
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

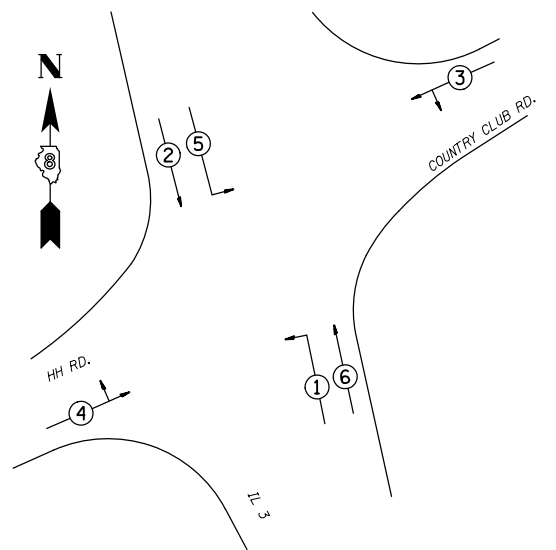


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↯	↵	↯↵	↯↵	↯	↵	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		



PHASE DESIGNATION DIAGRAM

PRNW BM-EXHH01-43'
LOCATE UNDERGR CABLE-43'
CONC FDN TY A-3'
UNDRGRD C PVC 1 1/2-43'
DRILL EX HANDHOLE-1 EACH
TS POST A 14-1 EACH
ELCBL C SIGNAL 14 5C-59'
ELCBL C SIGNAL 14 7C-59'
SH P LED 2F 1-3 1-5BM-1 EACH

PRNE BM-PRHH01-49'
LOCATE UNDERGR CABLE-49'
CONC FDN TY A-3'
UNDRGRD C PVC 1 1/2-49'
DRILL EX HANDHOLE-1 EACH
TS POST A 14-1 EACH
ELCBL C SIGNAL 14 5C-65'
SH P LED 1F 3S BM-1 EACH

PRHH01-EXHH02, EX. 1.5" COND.-55'
ELCBL C SIGNAL 14 5C-62'
2-REM & RE ELCBL FR CON-62' (EACH)
SEE "HANDHOLE TO INTERCEPT EXISTING CONDUIT" DETAIL

EXHH01-EXDHH01, EX. 2" COND.-118'
6-REM & RE ELCBL FR CON-125' (EACH)
ELCBL C SIGNAL 14 5C-125'
ELCBL C SIGNAL 14 7C-125'

EXSW BM-EXDHH01, EX. 2" COND.-3'
REM & RE ELCBL FR CON-66'
REM & RE ELCBL FR CON-41'
REM & RE ELCBL FR CON-66'
REM & RE ELCBL FR CON-56'
ELCBL C SIGNAL 14 7C-19'
SH P LED 1F 4S BM-1 EACH

EXDHH01-EXDHH02, EX. 4" COND.-48'
12-REM & RE ELCBL FR CON-55' (EACH)
ELCBL C SIGNAL 14 5C-55'
2-ELCBL C SIGNAL 14 7C-55' (EACH)

PRSW BM-EXDHH02-28'
LOCATE UNDERGR CABLE-28'
CONC FDN TY A-3'
UNDRGRD C PVC 1 1/2-28'
DRILL EX HANDHOLE-1 EACH
TS POST A 14-1 EACH
ELCBL C SIGNAL 14 5C-44'
SH P LED 1F 3S BM-1 EACH

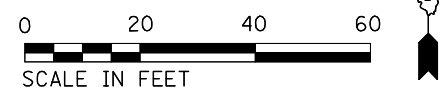
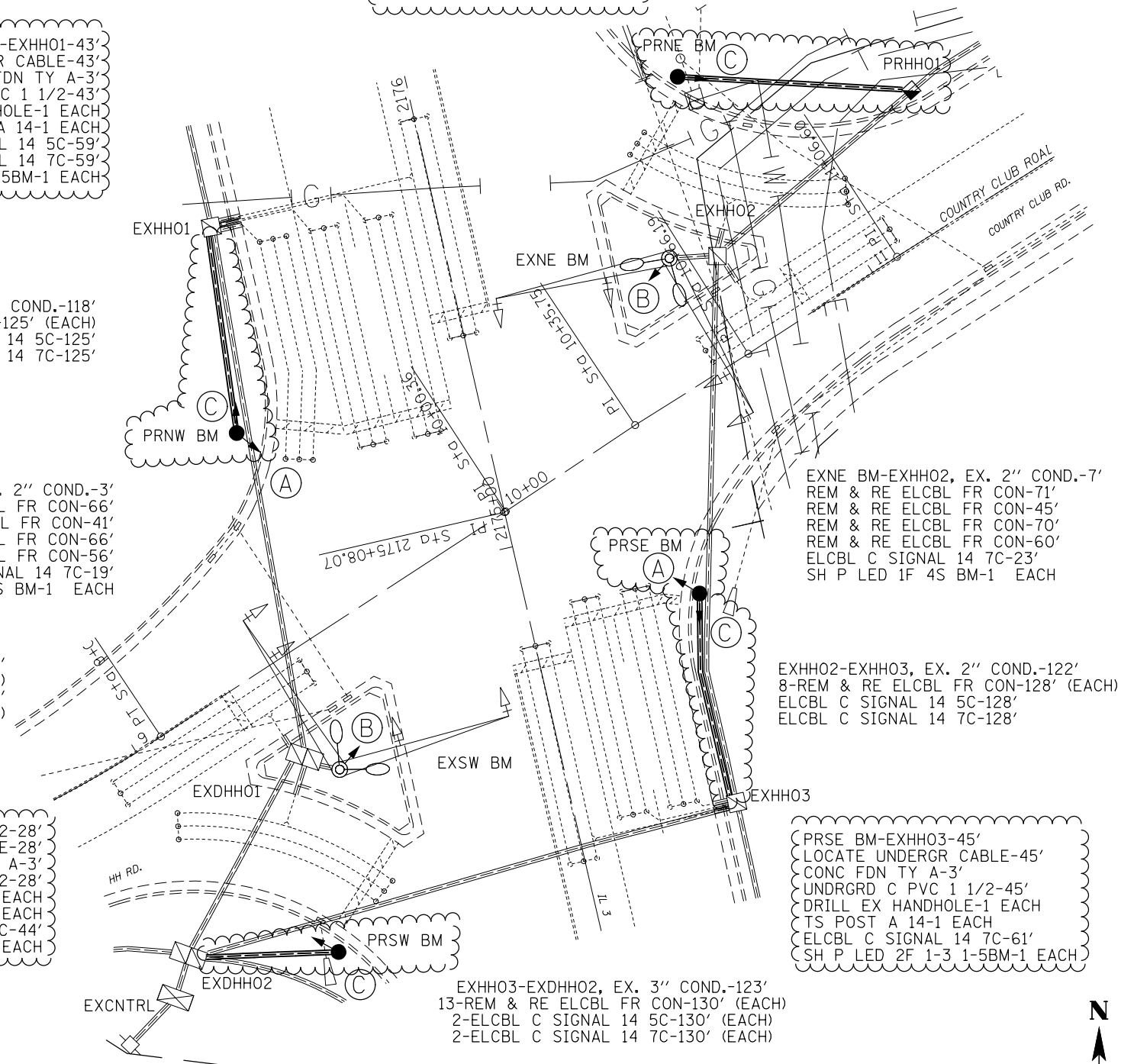
EXNE BM-EXHH02, EX. 2" COND.-7'
REM & RE ELCBL FR CON-71'
REM & RE ELCBL FR CON-45'
REM & RE ELCBL FR CON-70'
REM & RE ELCBL FR CON-60'
ELCBL C SIGNAL 14 7C-23'
SH P LED 1F 4S BM-1 EACH

EXHH02-EXHH03, EX. 2" COND.-122'
8-REM & RE ELCBL FR CON-128' (EACH)
ELCBL C SIGNAL 14 5C-128'
ELCBL C SIGNAL 14 7C-128'


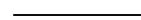
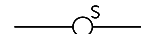
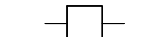
PRSE BM-EXHH03-45'
LOCATE UNDERGR CABLE-45'
CONC FDN TY A-3'
UNDRGRD C PVC 1 1/2-45'
DRILL EX HANDHOLE-1 EACH
TS POST A 14-1 EACH
ELCBL C SIGNAL 14 7C-61'
SH P LED 2F 1-3 1-5BM-1 EACH

EXHH03-EXDHH02, EX. 3" COND.-123'
13-REM & RE ELCBL FR CON-130' (EACH)
2-ELCBL C SIGNAL 14 5C-130' (EACH)
2-ELCBL C SIGNAL 14 7C-130' (EACH)

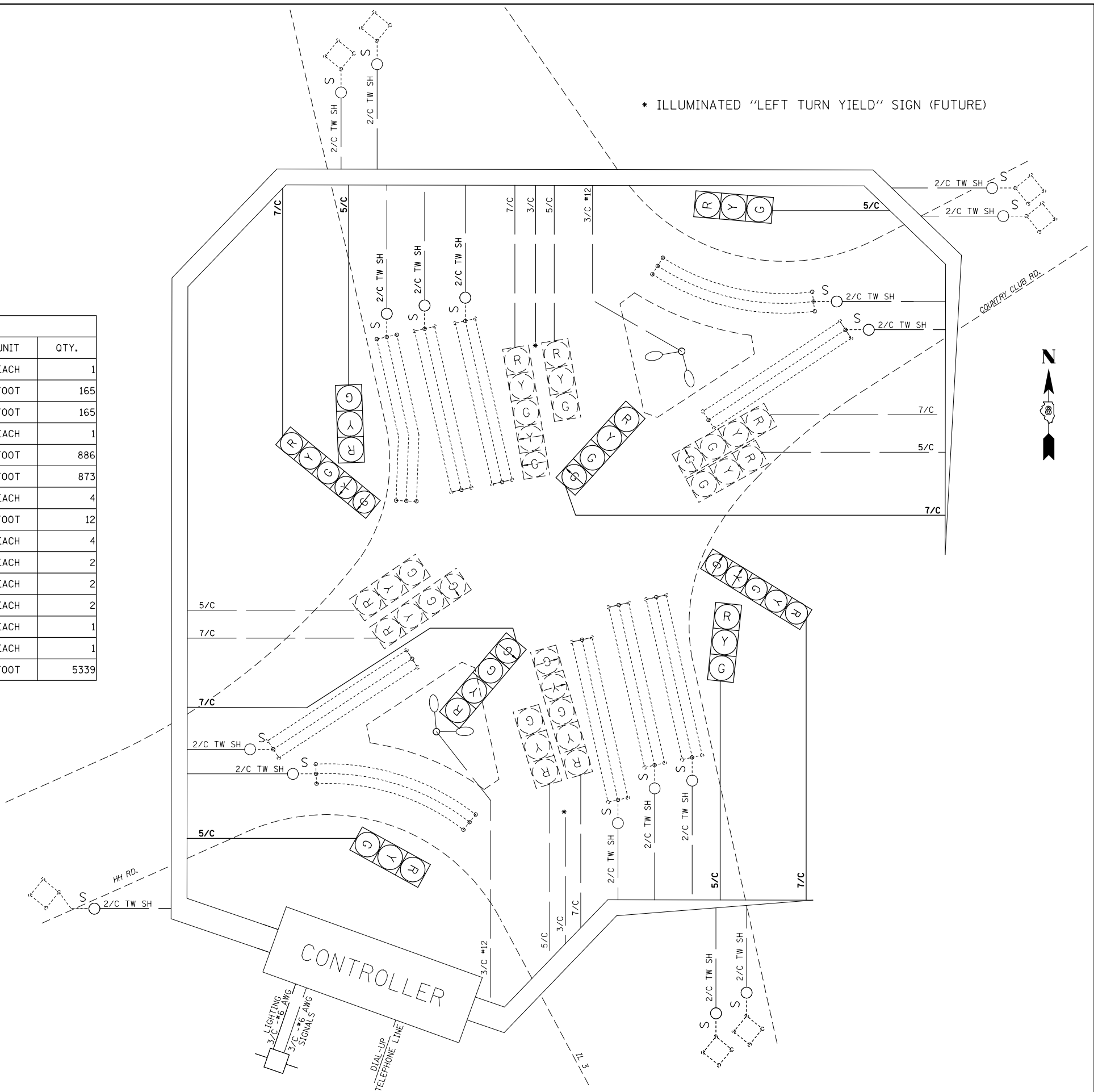
EXDHH02-EXCNTRL, EX. 2-4" COND.-6'
28-REM & RE ELCBL FR CON-22' (EACH)
4-ELCBL C SIGNAL 14 5C-22' (EACH)
4-ELCBL C SIGNAL 14 7C-22' (EACH)



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED CABLE
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	165
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	165
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	886
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	873
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	4
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87900200	DRILL EXISTING HANDHOLE	EACH	4
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5339



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 CHECKED -
 DATE -
 PLOT DATE = 11/16/2015

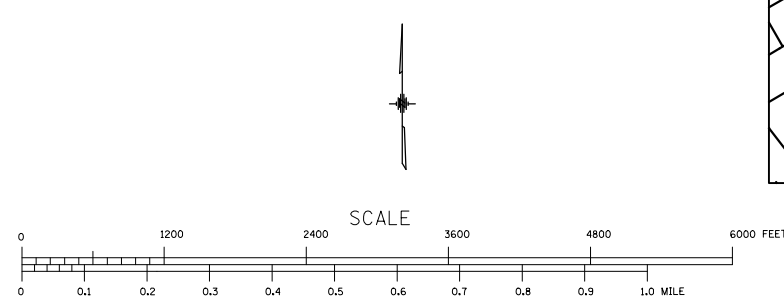
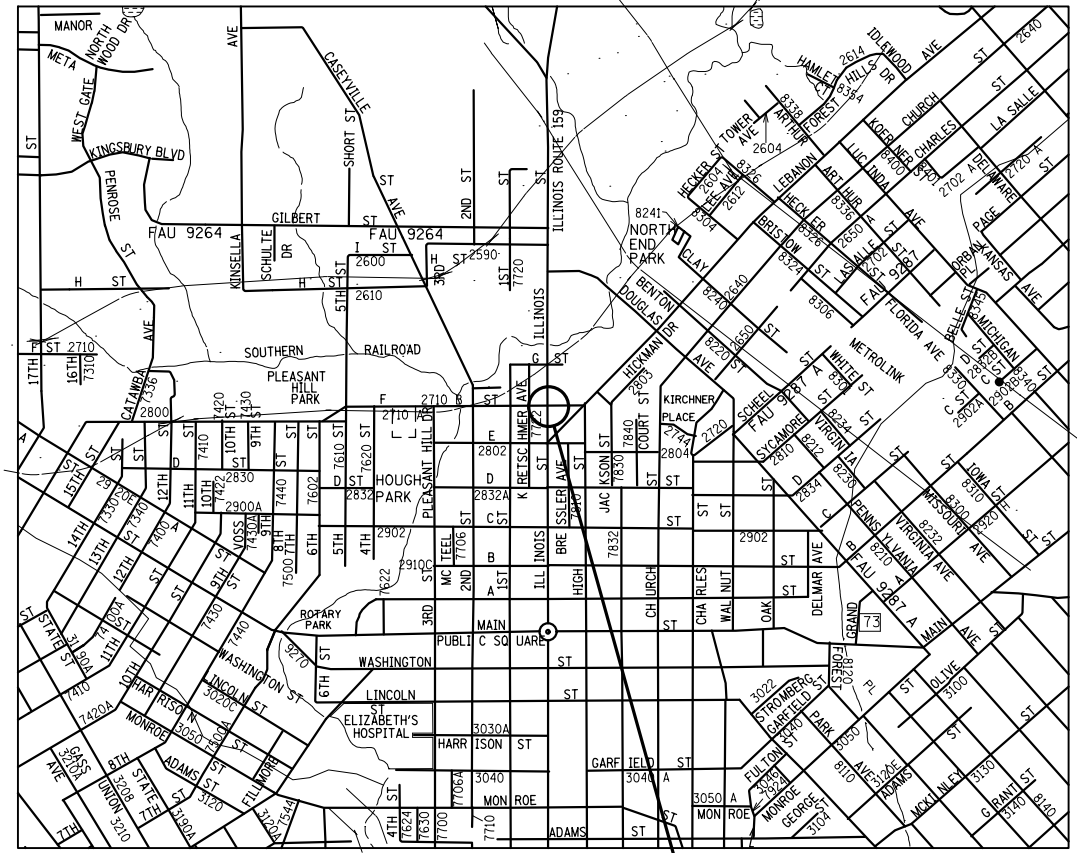
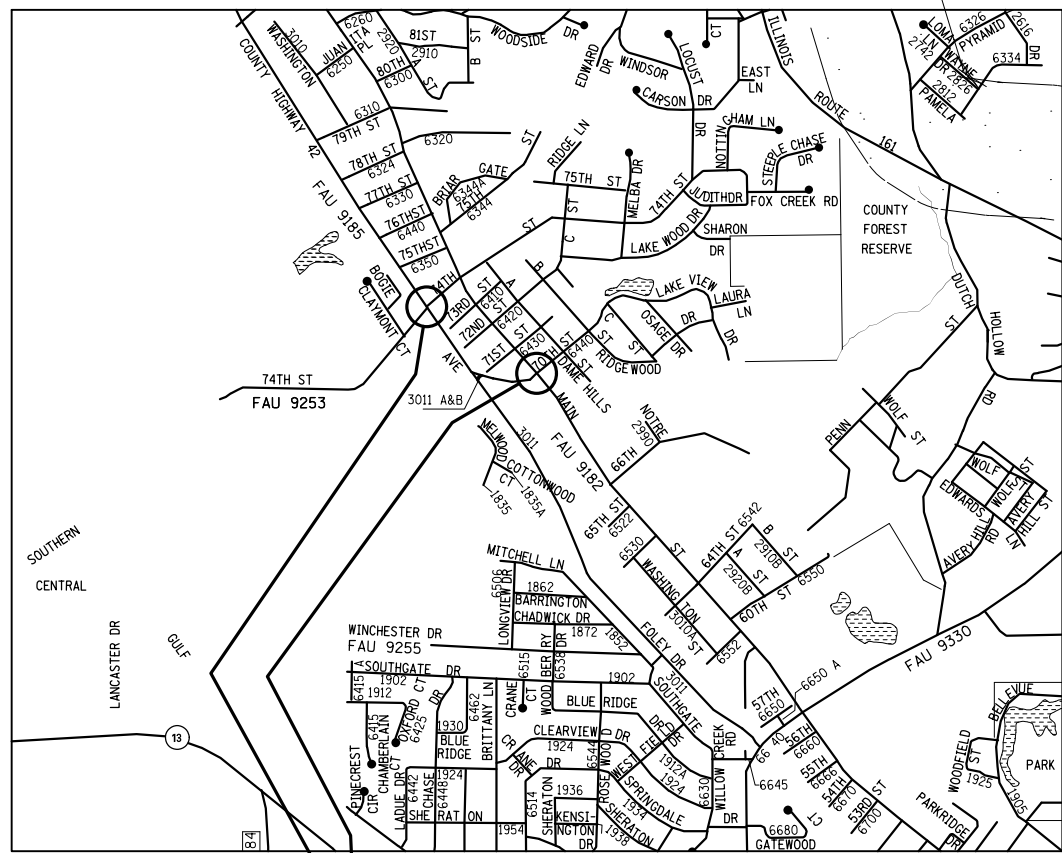
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 REVISIONS:
 CHECKED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 3 AT HHCOUNTRY CLUB (WATERLOO, MONROE CNTY.)
 CABLE DIAGRAM**

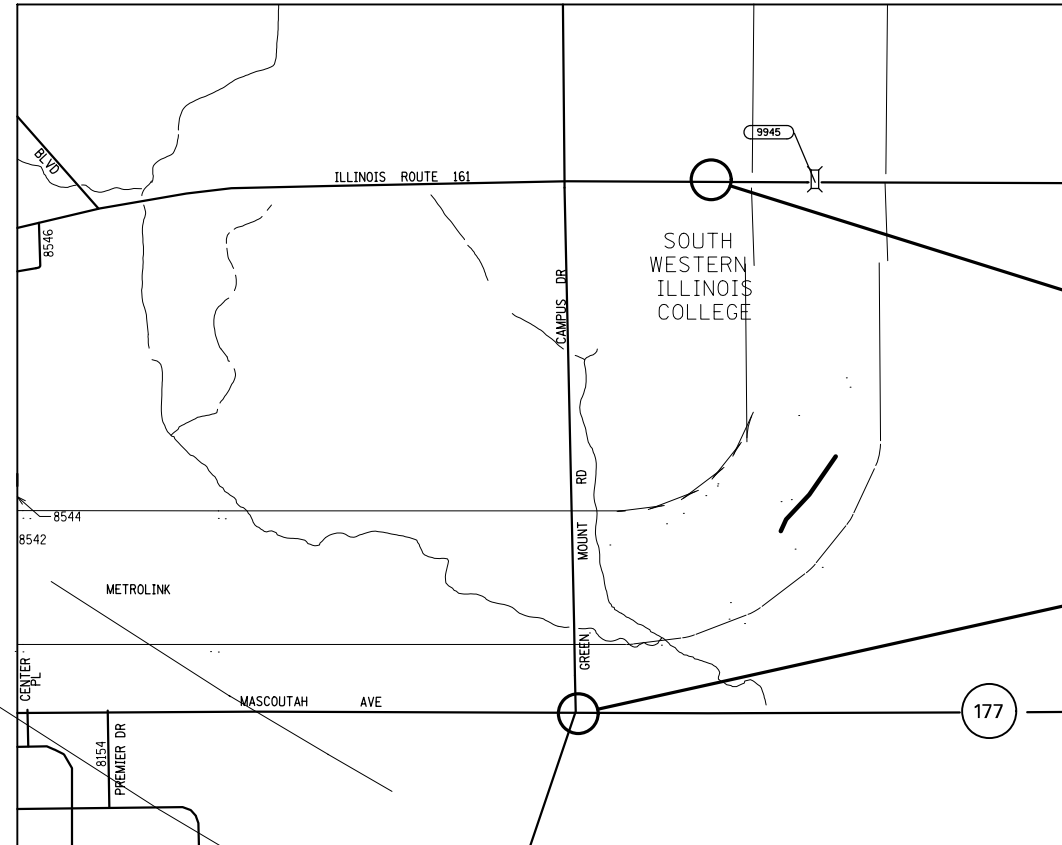
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	33
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



74TH & FOLEY
70TH/FOLEY &
W. MAIN

IL 159 & "F" ST.



IL 161 & YMCA ACCESS

IL 177 & GREENMOUNT

FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP BELLEVILLE, ST. CLAIR CNTY.**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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* = VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

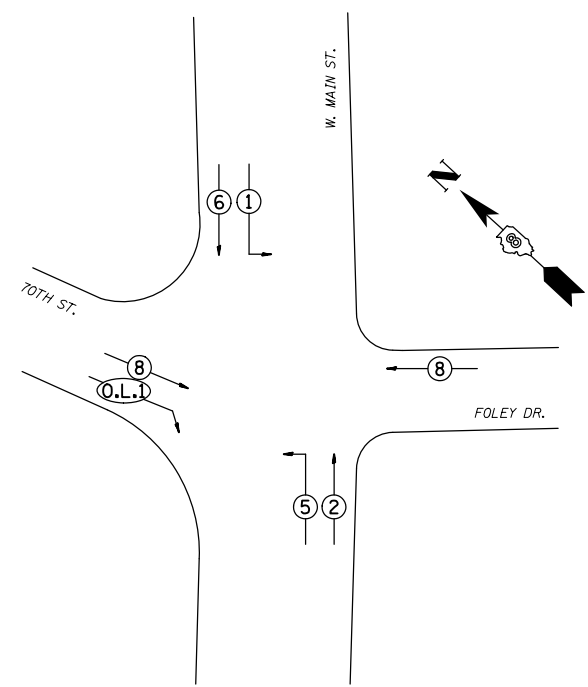
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

12"



(A)

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8	O.L.1
MOVEMENT	→	NOT USED	NOT USED	NOT USED	←	→	NOT USED	WB	→
CONCURRENT MOVEMENT PERMITTED	O.L.1, 5&6				1 & O.L.1	2		NONE	5 OR 6

OVERLAP 1 (O.L.1) SHALL OPERATE WITH PHASE 5. THE GREEN ARROW (RIGHT) AND YELLOW ARROW RIGHT FOR FOLEY SHALL NOT BE DISPLAYED DURING PHASE 8 GREEN

WHEN "PHASE NEXT" INCLUDES PHASE 5, THEN GREEN ARROW (RIGHT) FOR FOLEY SHALL BE DISPLAYED SIMULTANEOUSLY WITH THE CIRCULAR YELLOW FOR PHASE 8.

OVERLAP 1 SHALL TERMINATE CONCURRENTLY WITH PHASE 5 USING A YELLOW ARROW (RIGHT).

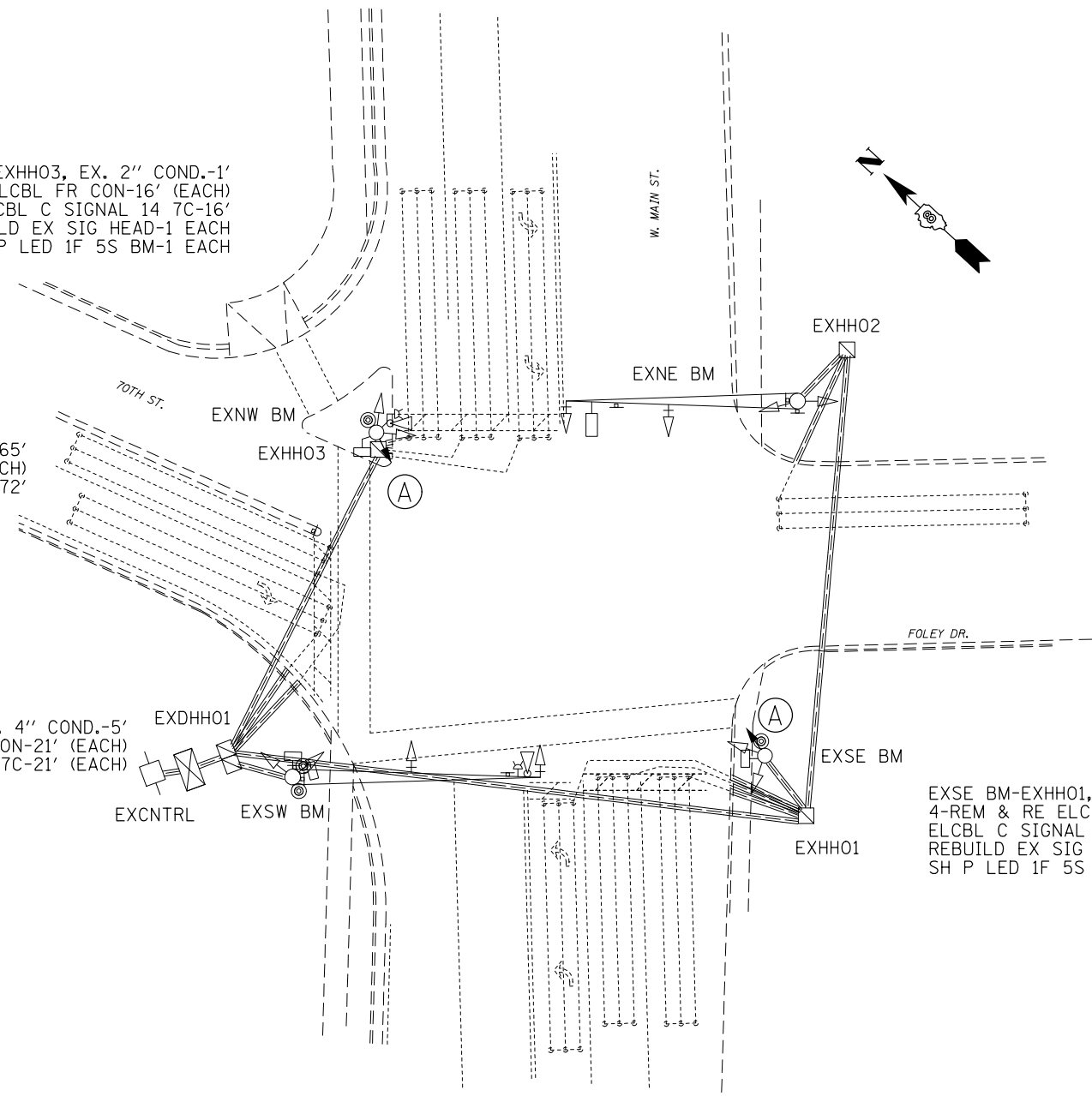
EXNW BM-EXHH03, EX. 2" COND.-1'
4-REM & RE ELCBL FR CON-16' (EACH)
ELCBL C SIGNAL 14 7C-16'
REBUILD EX SIG HEAD-1 EACH
SH P LED 1F 5S BM-1 EACH

EXHH03-EXDHH01, EX. 2" COND.-65'
7-REM & RE ELCBL FR CON-72' (EACH)
ELCBL C SIGNAL 14 7C-72'

EXDHH01-EXCNTRL, EX. 4" COND.-5'
30-REM & RE ELCBL FR CON-21' (EACH)
2-ELCBL C SIGNAL 14 7C-21' (EACH)

EXHH01-EXDHH01, EX. 2.5" COND.-115'
13-REM & RE ELCBL FR CON-122' (EACH)
ELCBL C SIGNAL 14 7C-122'

EXSE BM-EXHH01, EX. 2" COND.-12'
4-REM & RE ELCBL FR CON-28' (EACH)
ELCBL C SIGNAL 14 7C-28'
REBUILD EX SIG HEAD-1 EACH
SH P LED 1F 5S BM-1 EACH



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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		DATE -	REVISED -


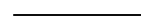
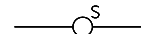
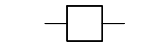
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

70TH/FOLEY & W MAIN (BELLEVILLE, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN

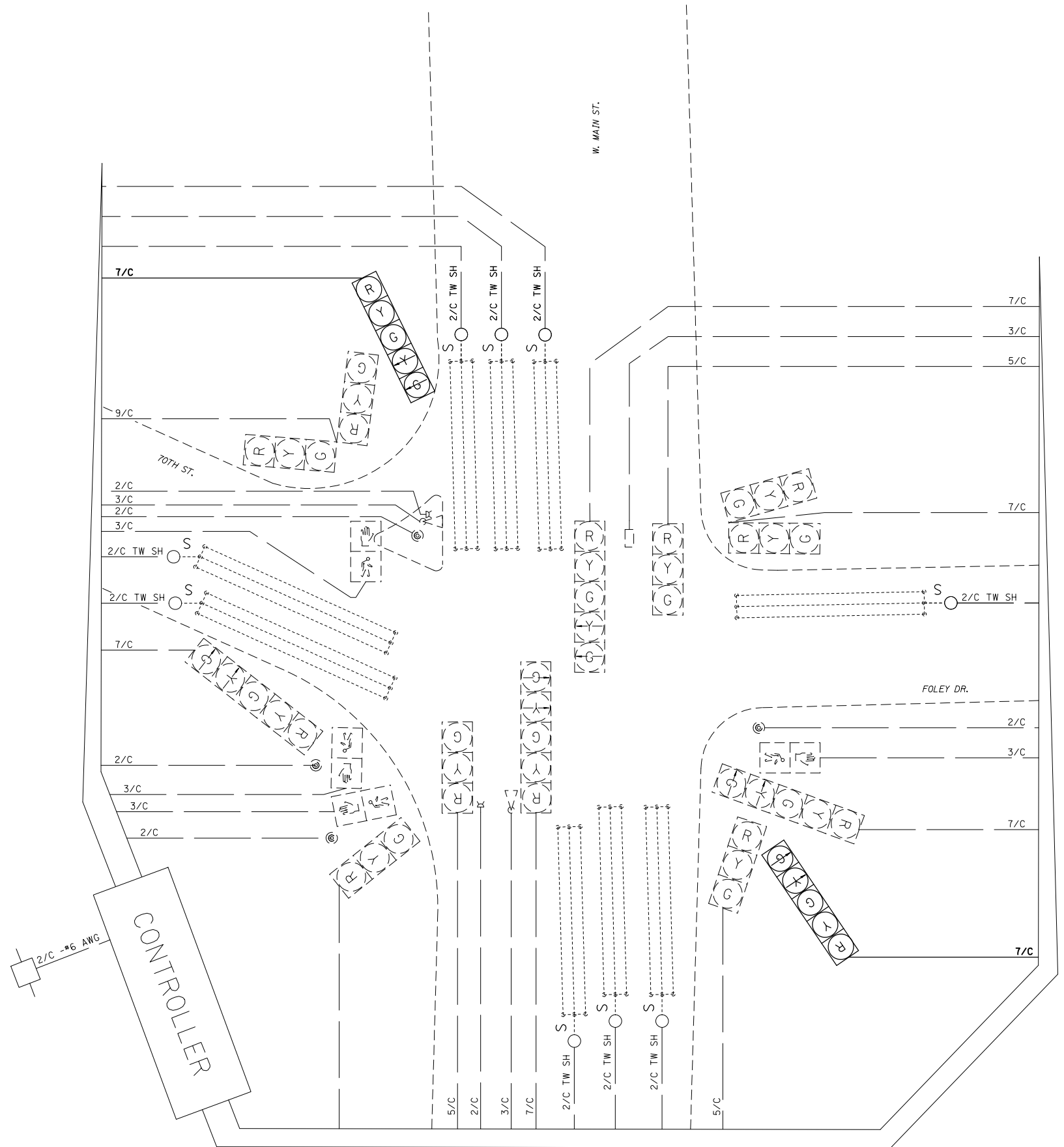
SCALE: SHEET NO. OF SHEETS STA. TO STA.

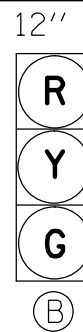
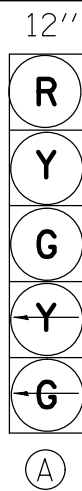
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2016-1	*	71	35
* = VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	280
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2896



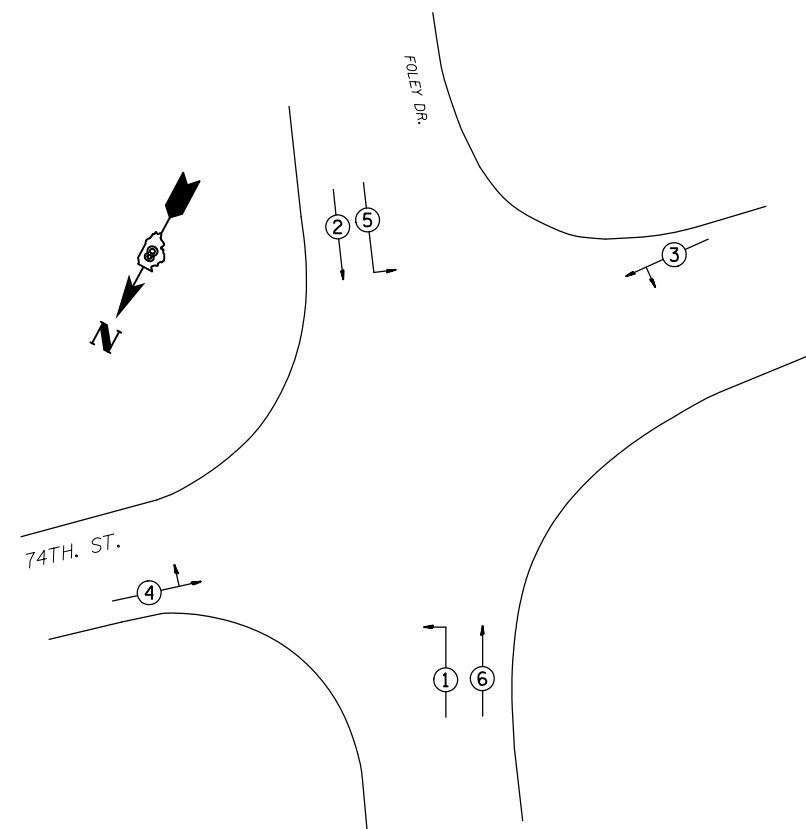


PROPOSED TRAFFIC SIGNAL FACES

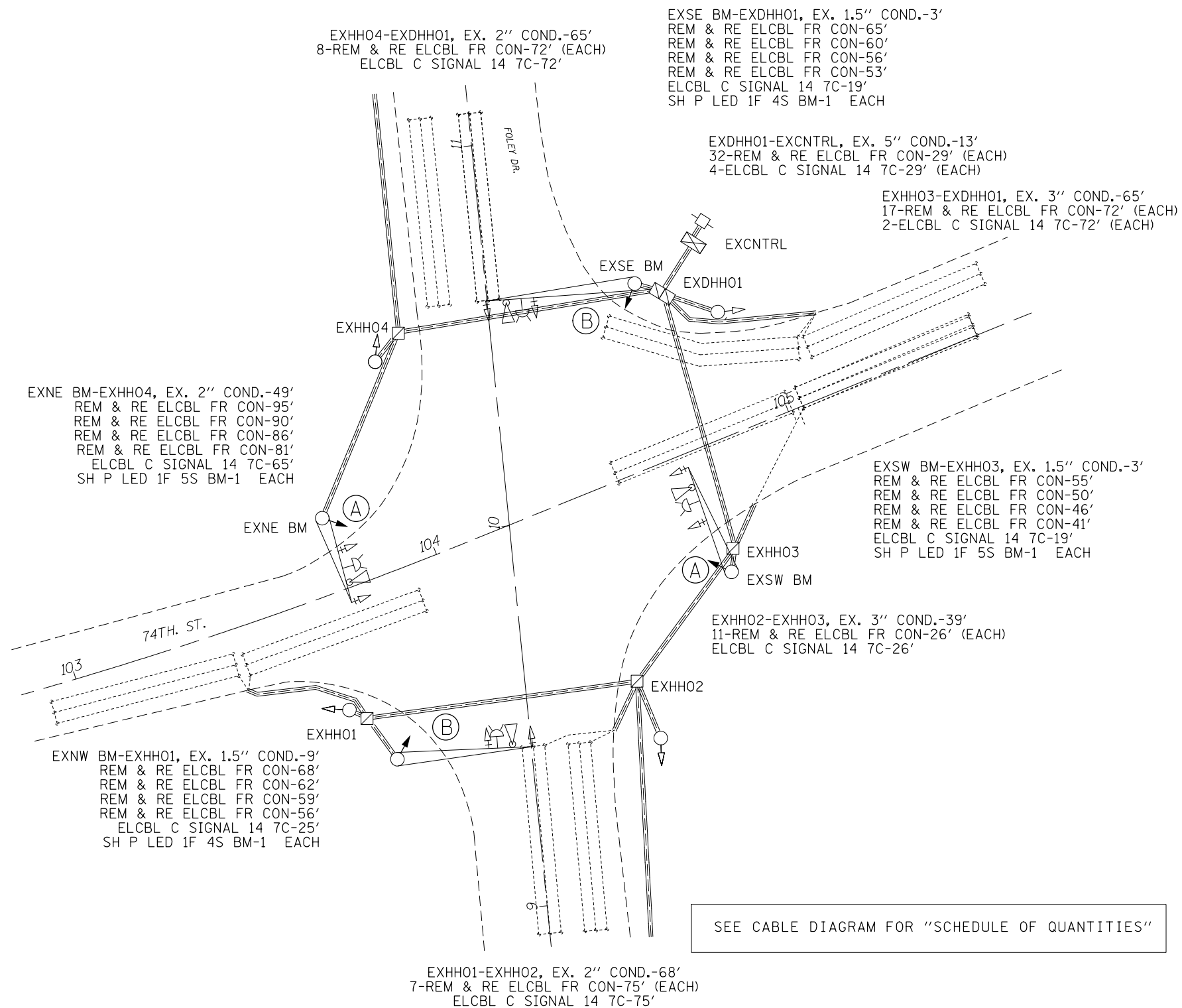
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	EBLT	WB	NB	SB	WBLT	EB	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		




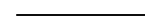
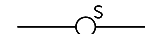
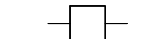
PHASE DESIGNATION DIAGRAM

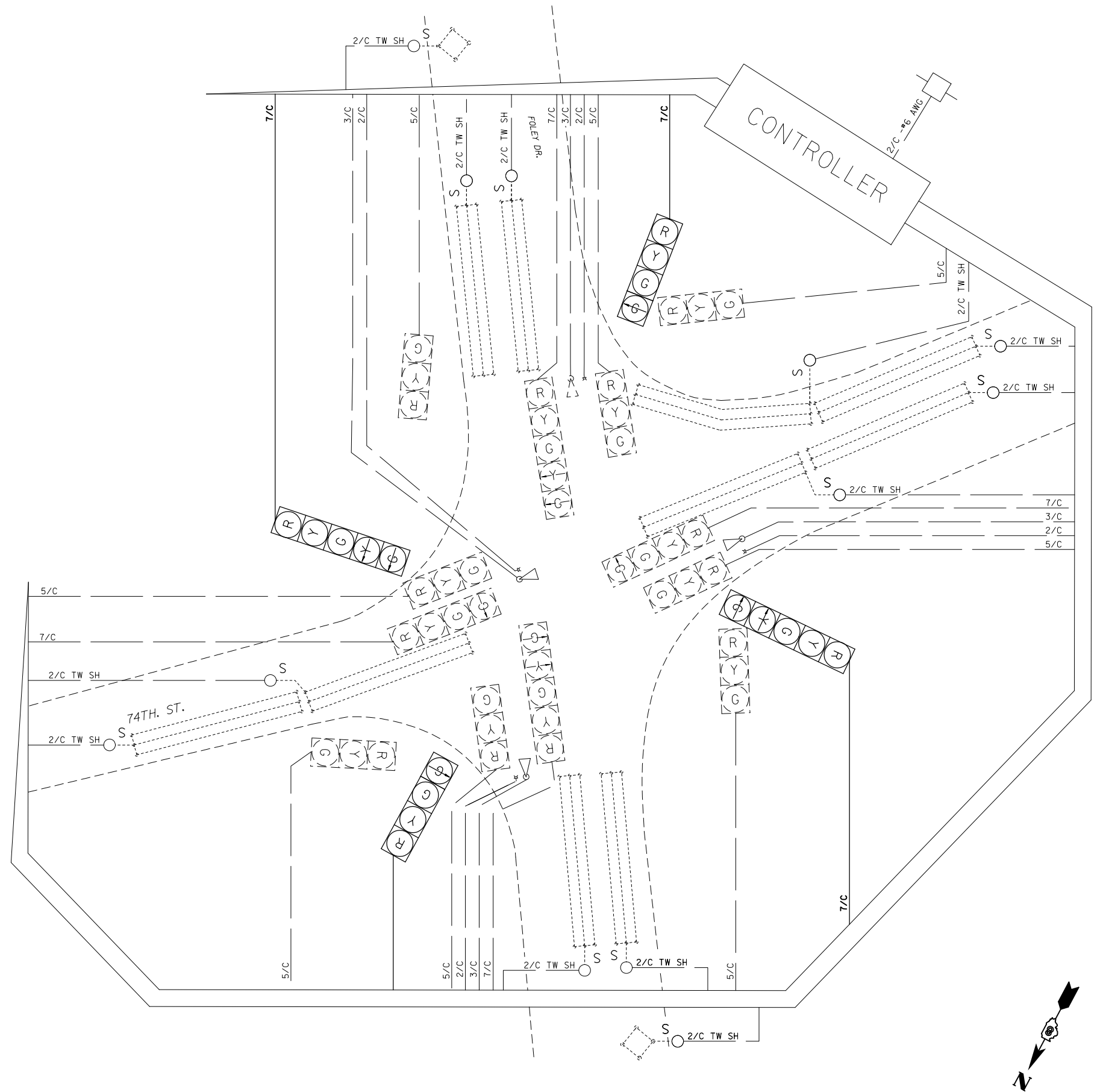


SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED CABLE
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	561
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4562

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	PLOT SCALE = 33.3333 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

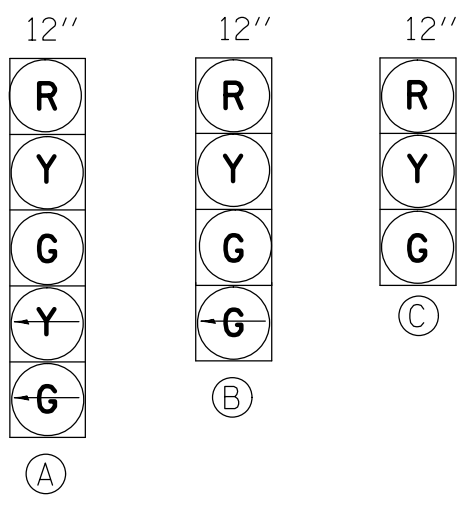
**74TH & FOLEY (BELLEVILLE, ST. CLAIR CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	38
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

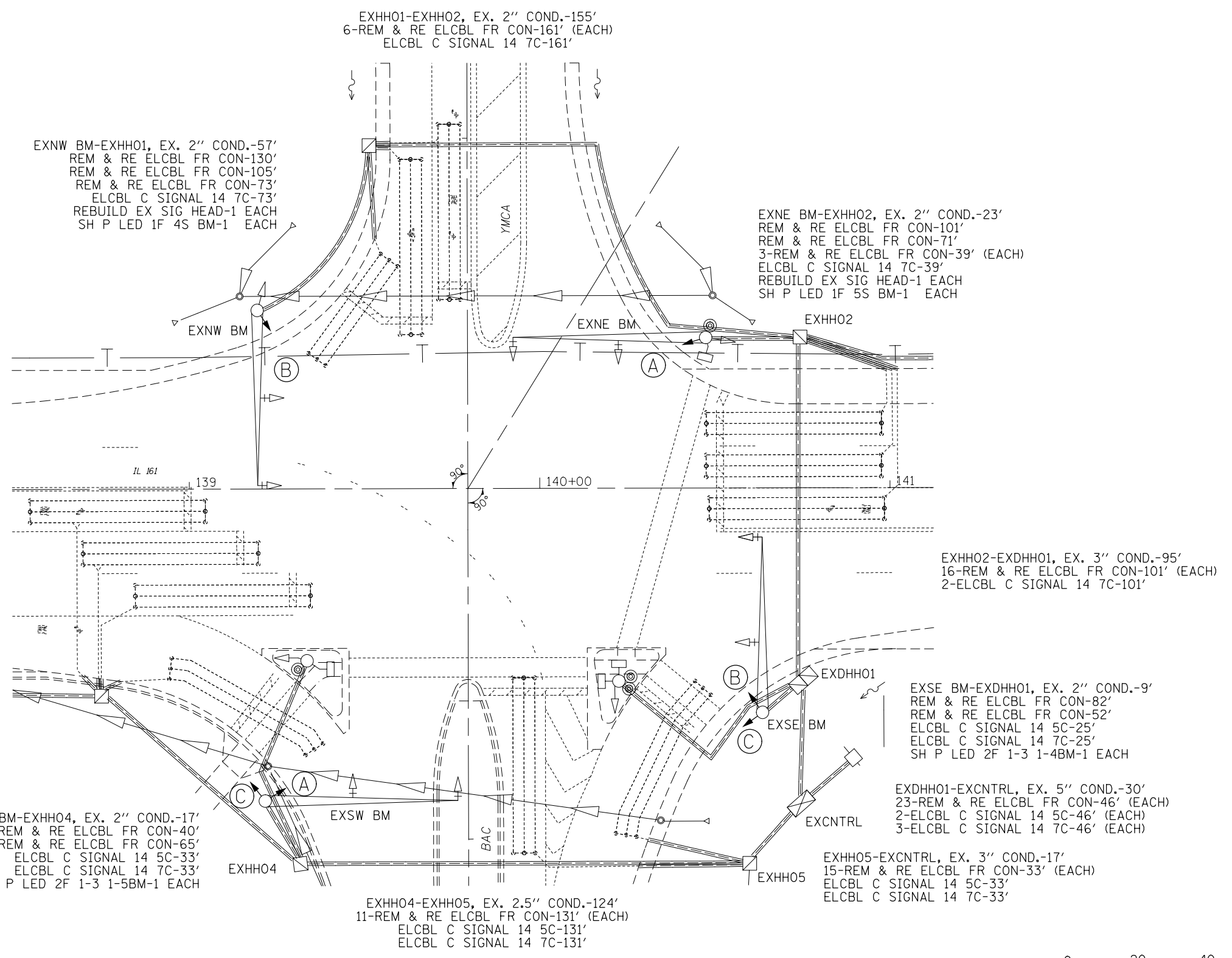
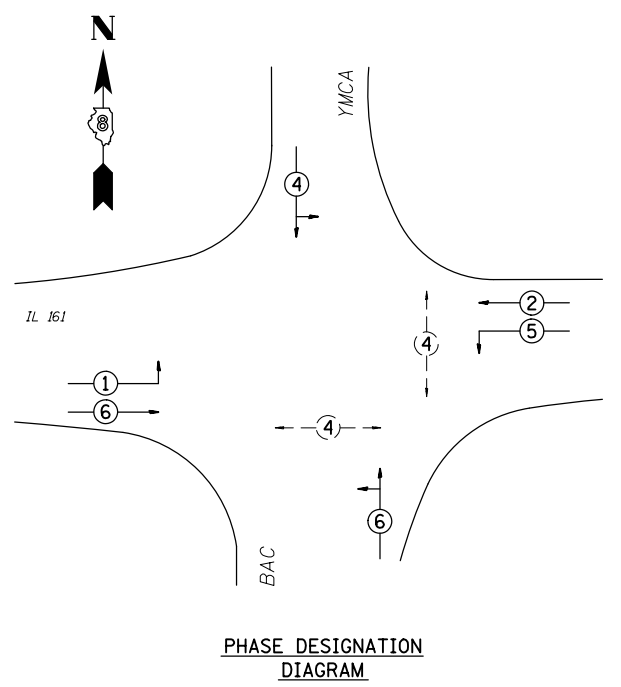


EXISTING FULL-ACTUATED CONTROLLER

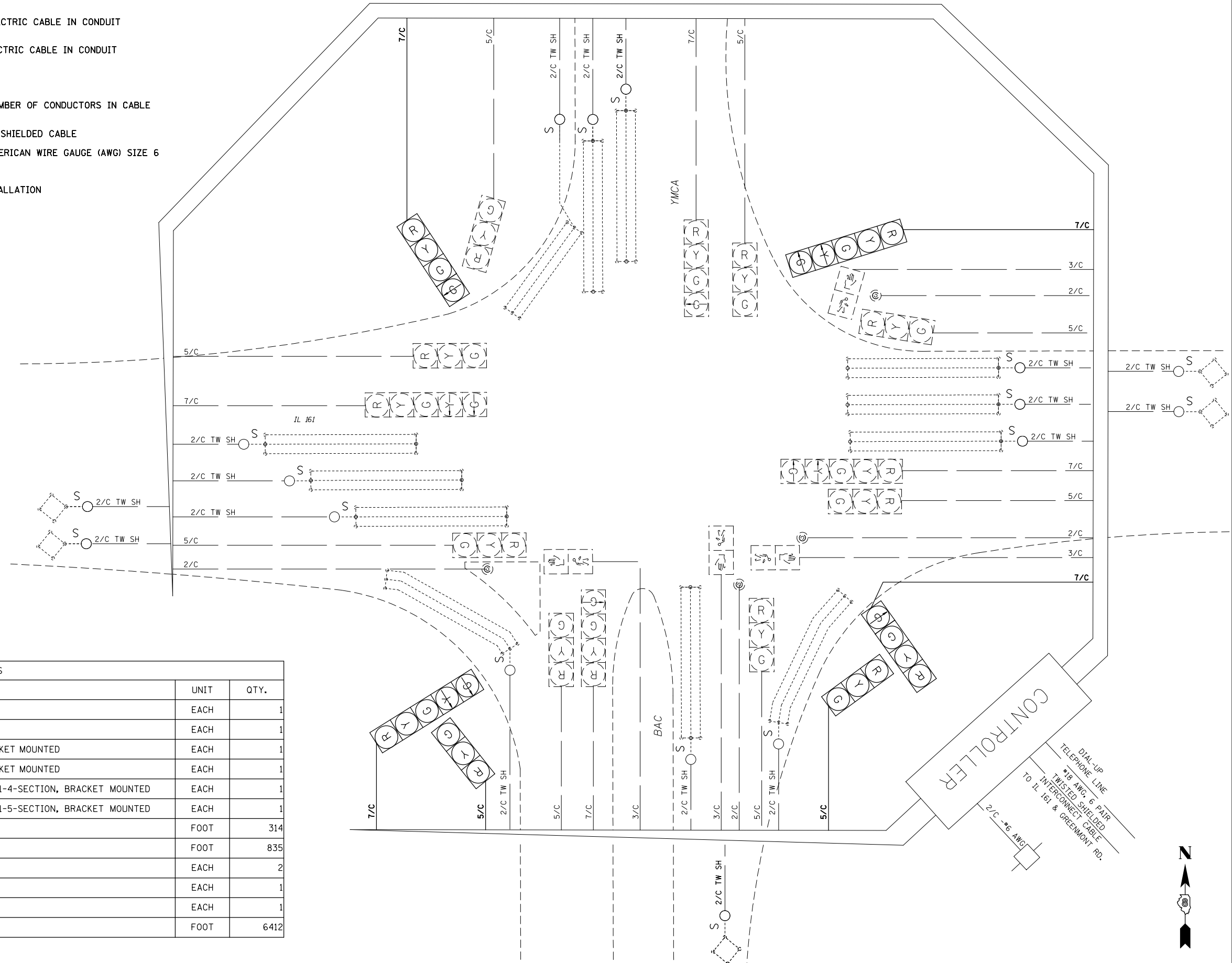
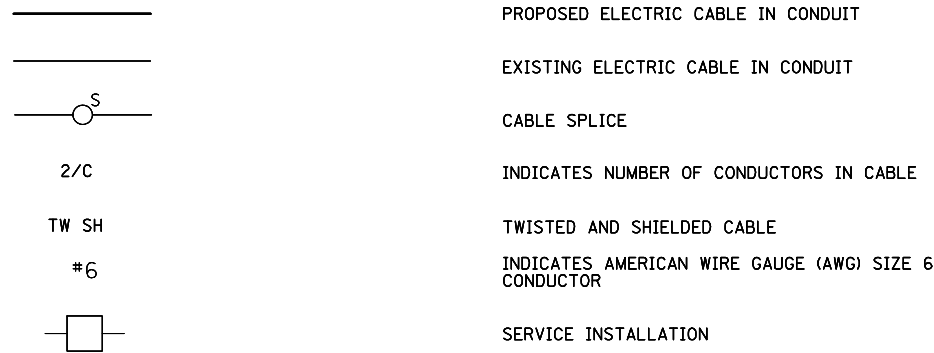
EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	EBLT	WB	SB	NB	WBLT	EB	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



CABLE DIAGRAM LEGEND



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	314
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	835
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	6412

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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 161 & YMCA ACCESS (BELLEVILLE, ST. CLAIR CNTY.)
CABLE DIAGRAM

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2016-1	•	71	40
* = VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



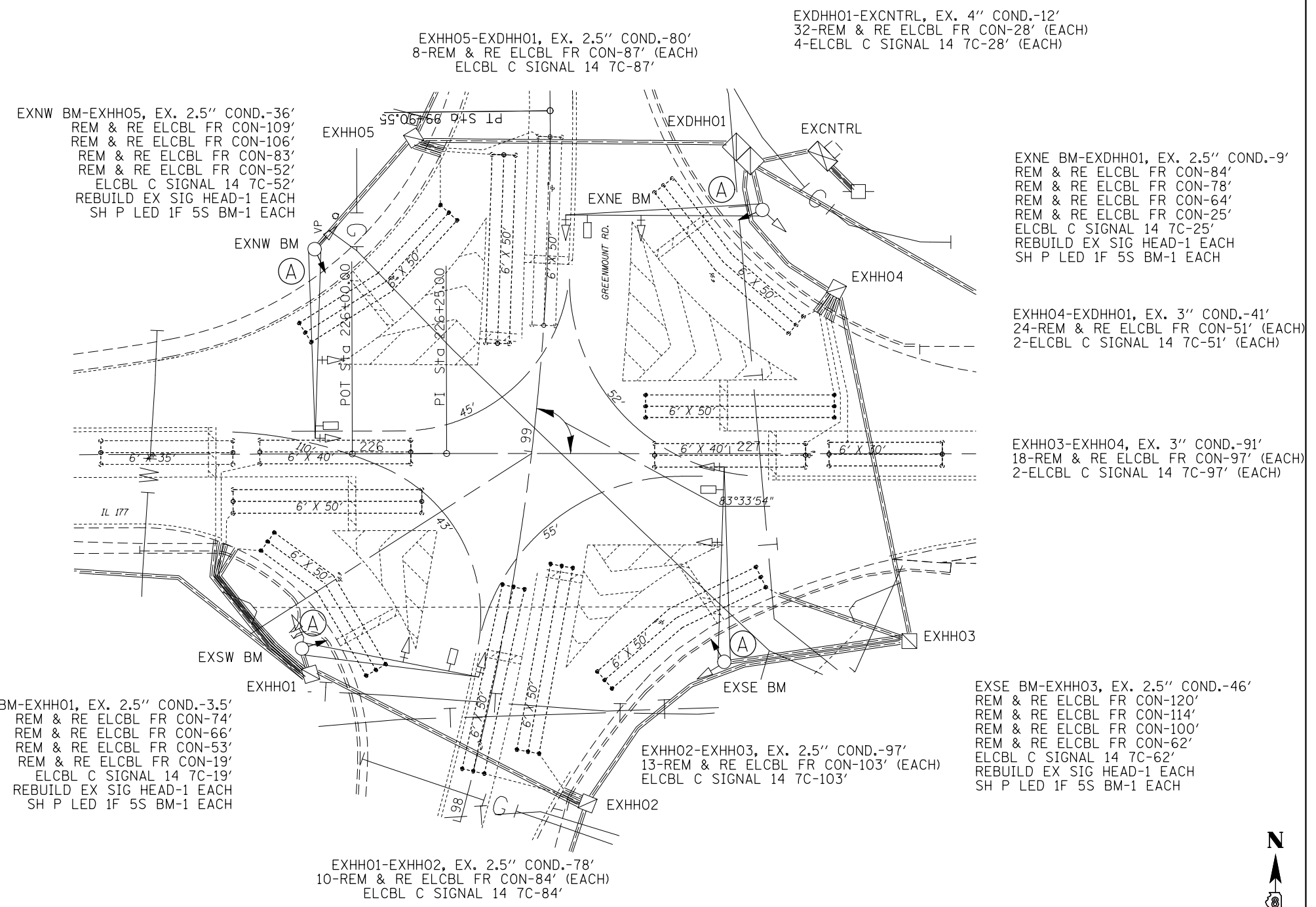
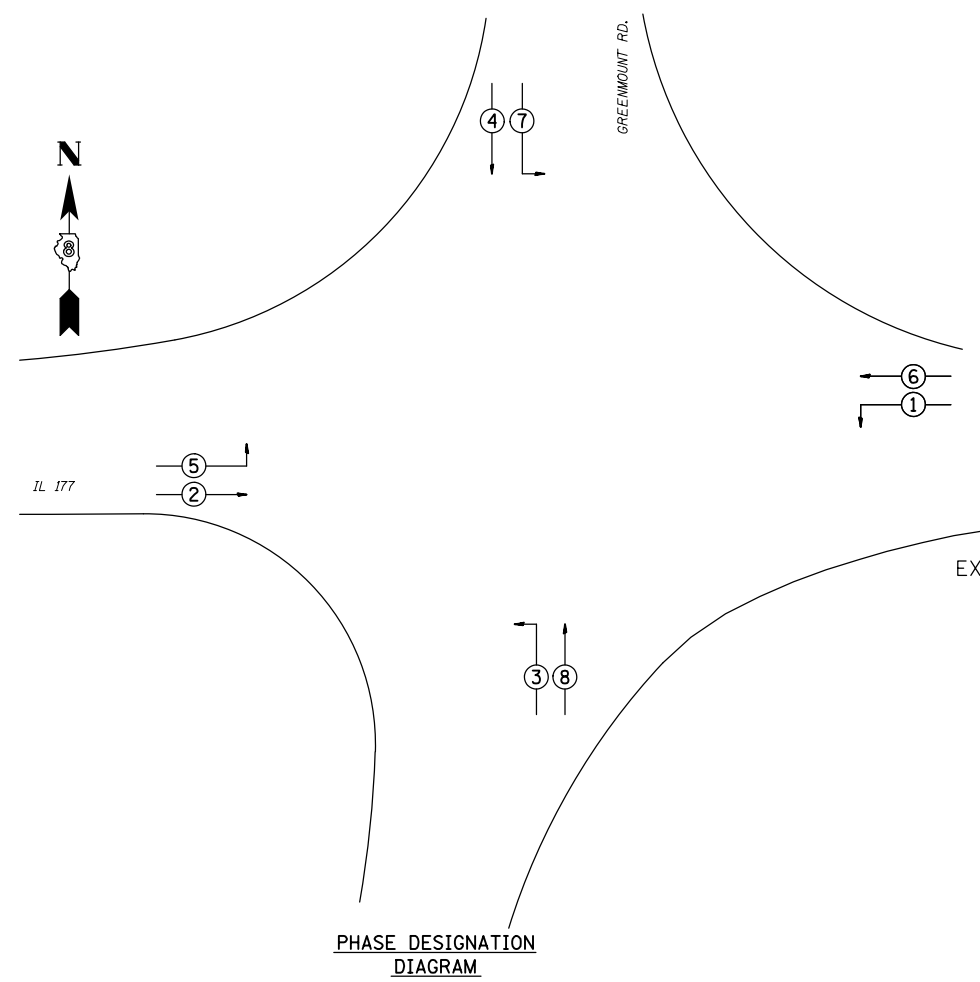


SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"


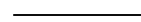
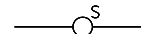
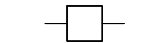
EXISTING FULL-ACTUATED CONTROLLER

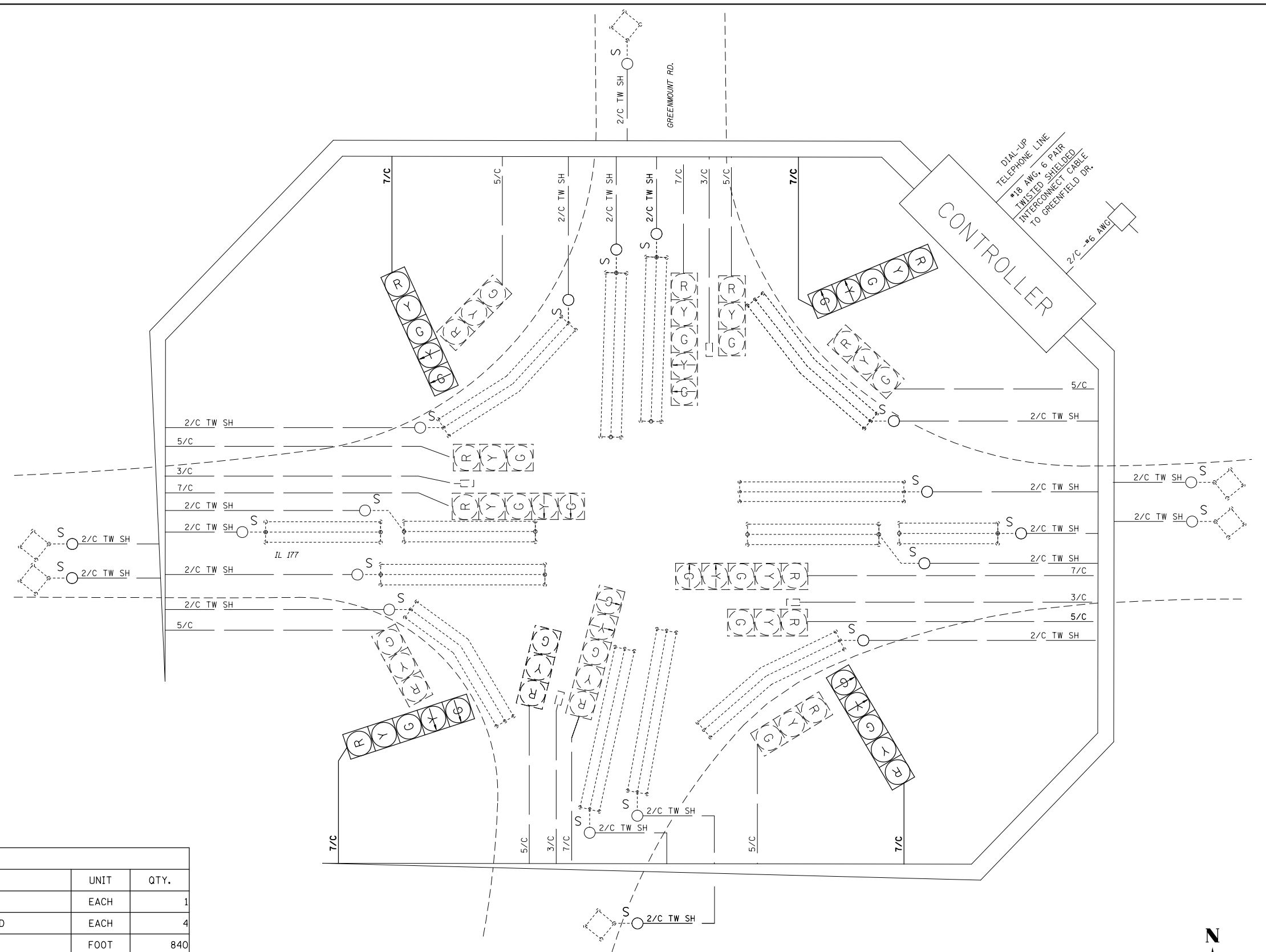
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

PROPOSED TRAFFIC SIGNAL FACES



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	840
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	7950

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 177 & GREENMOUNT (BELLEVILLE, ST. CLAIR CNTY.)
CABLE DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-1	*	71	42
*VARIOUS		CONTRACT NO. 76J20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



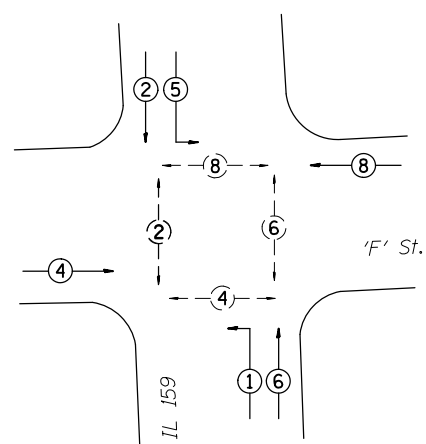
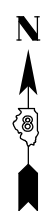


PROPOSED TRAFFIC SIGNAL FACES

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT			NOT USED				NOT USED	
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

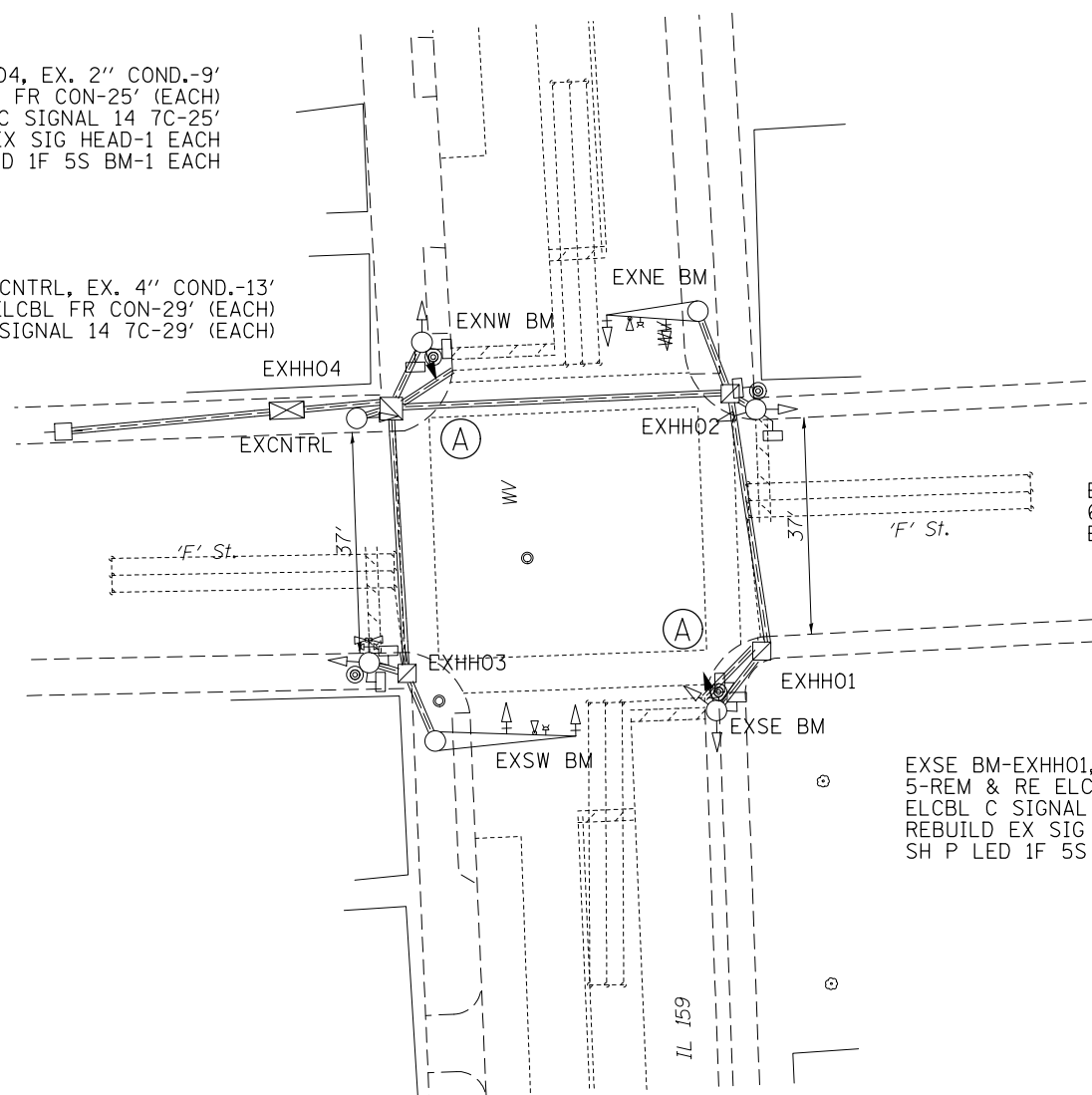


PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH04, EX. 2" COND.-9'
 4-REM & RE ELCBL FR CON-25' (EACH)
 ELCBL C SIGNAL 14 7C-25'
 REBUILD EX SIG HEAD-1 EACH
 SH P LED 1F 5S BM-1 EACH

EXHH02-EXHH04, EX. 3" COND.-56'
 EXHH02-EXHH04, EX. 3" COND.-56'
 16-REM & RE ELCBL FR CON-62' (EACH)
 ELCBL C SIGNAL 14 7C-62'

EXHH04-EXCNTRL, EX. 4" COND.-13'
 35-REM & RE ELCBL FR CON-29' (EACH)
 2-ELCBL C SIGNAL 14 7C-29' (EACH)


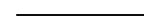
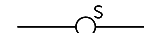
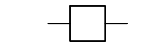


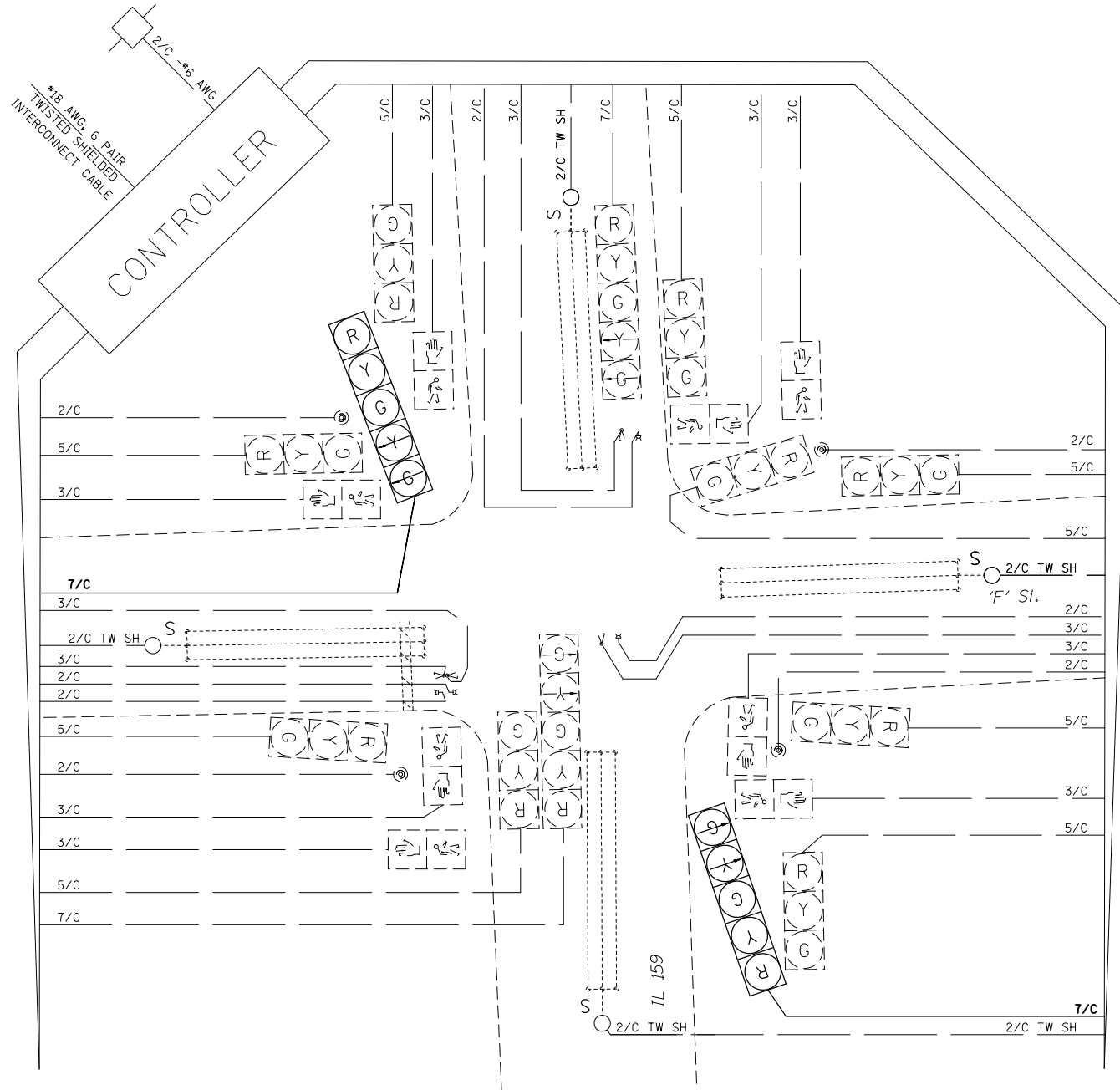
EXHH01-EXHH02, EX. 2" COND.-42'
 6-REM & RE ELCBL FR CON-49' (EACH)
 ELCBL C SIGNAL 14 7C-49'

EXSE BM-EXHH01, EX. 2" COND.-9'
 5-REM & RE ELCBL FR CON-25' (EACH)
 ELCBL C SIGNAL 14 7C-25'
 REBUILD EX SIG HEAD-1 EACH
 SH P LED 1F 5S BM-1 EACH



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	219
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2526

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		DATE -	REVISED -

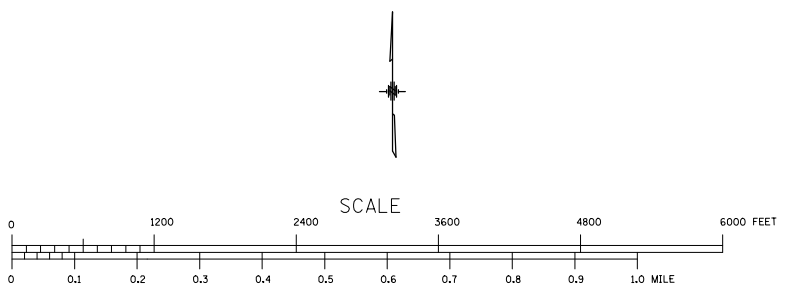
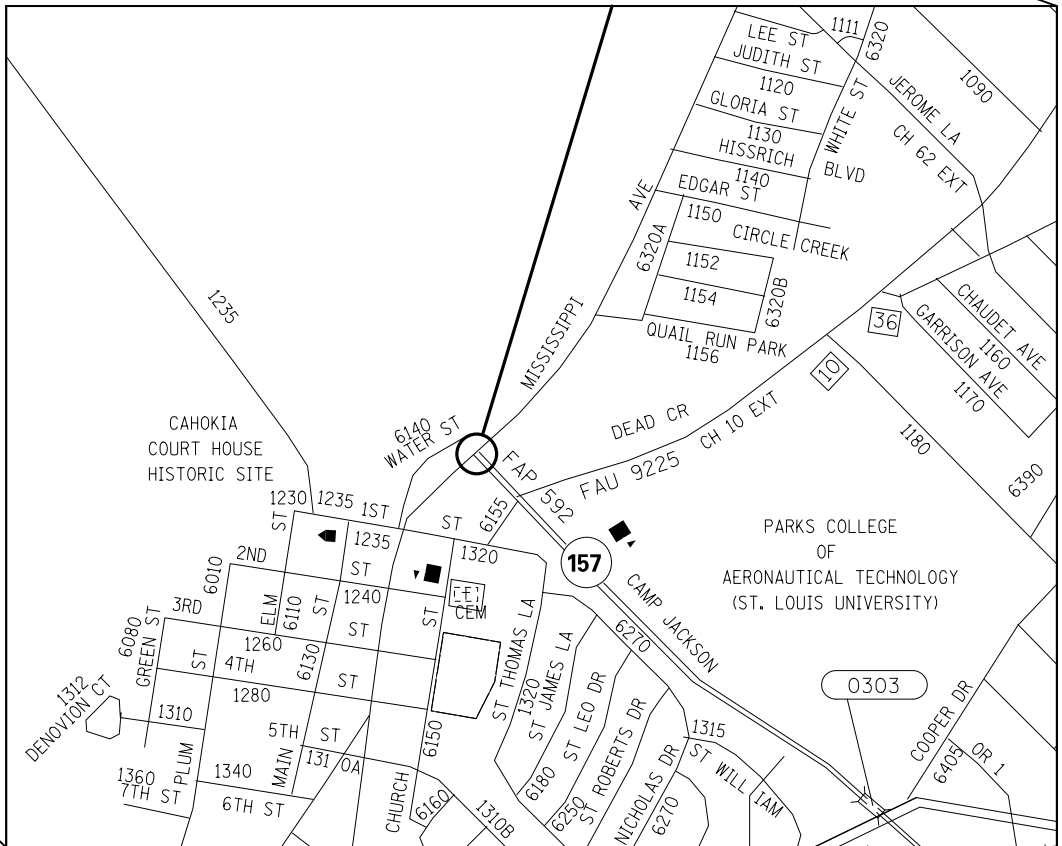
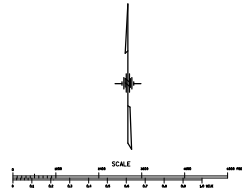
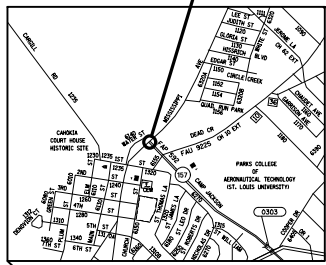
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & F (BELLEVILLE, ST. CLAIR CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	44
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

IL 3 & IL 157



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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP CAHOKIA, ST. CLAIR CNTY.**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	45
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"
R
Y
G
A

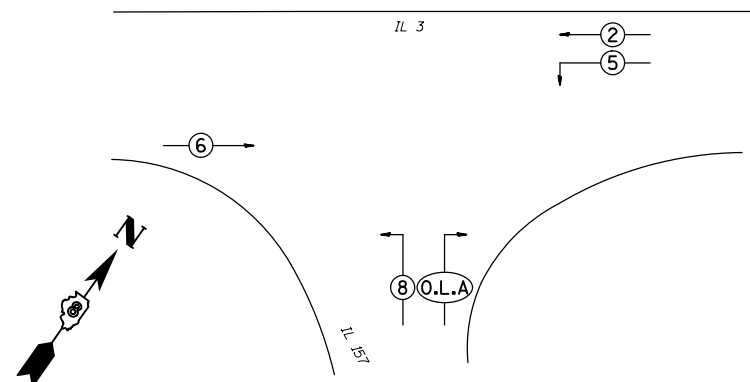
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES

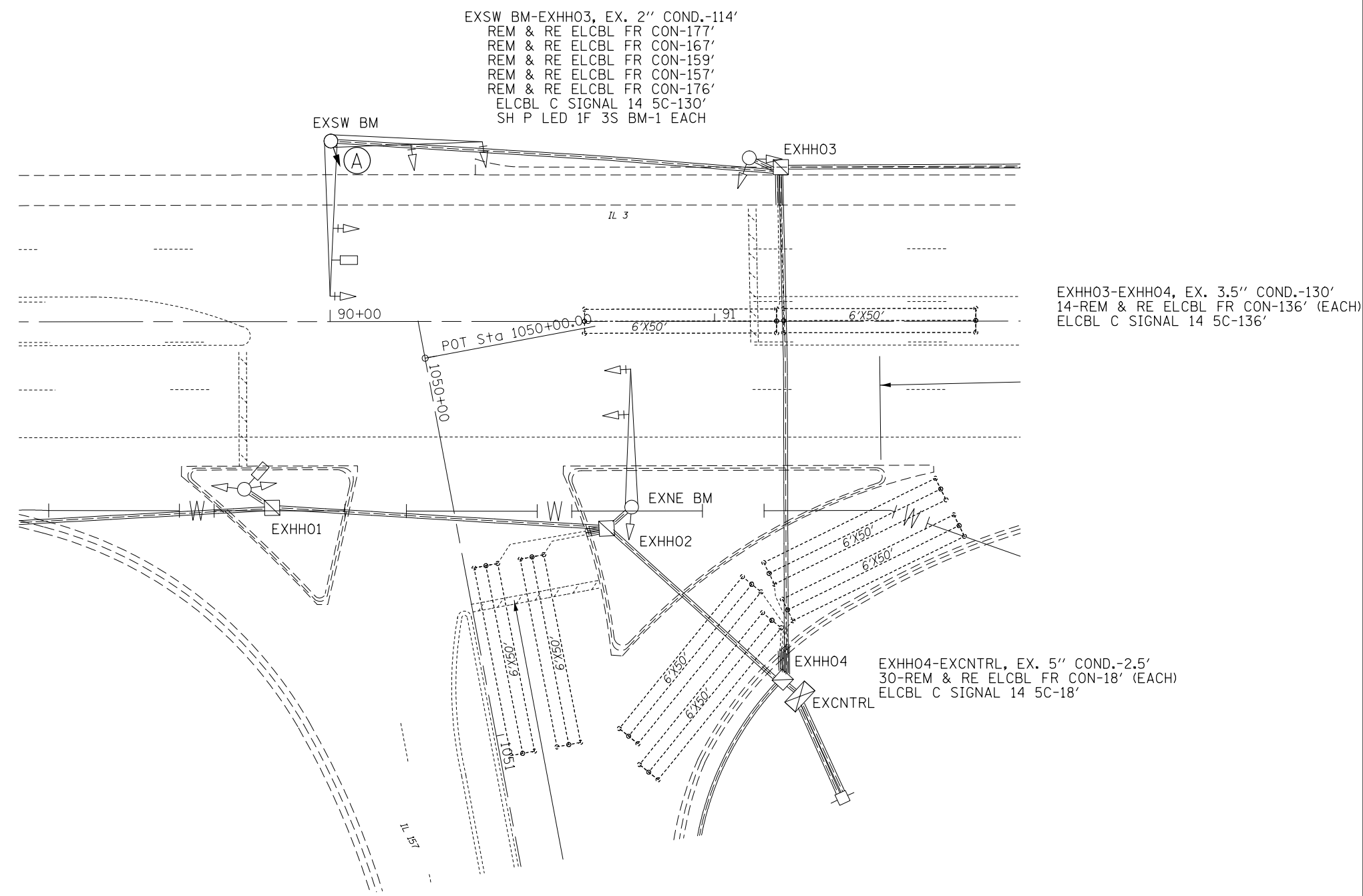
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	←	NOT USED	NOT USED	↖	→	NOT USED	↗
CONCURRENT MOVEMENT PERMITTED		5 OR 6			2	2		NONE


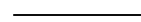
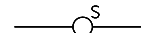
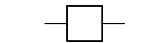
OVERLAP A (O.L.A) WITH PHASES 5 AND 8

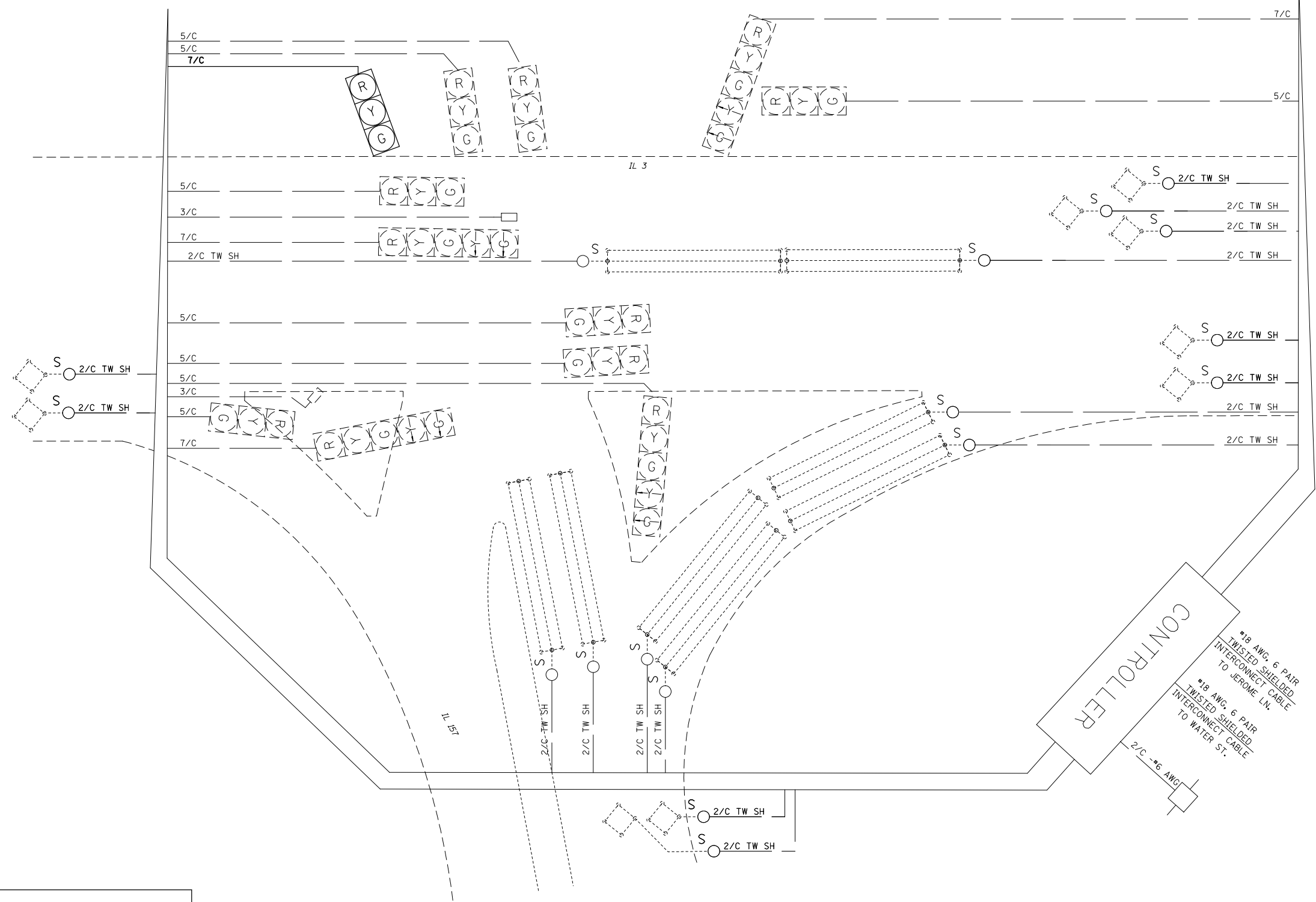


PHASE DESIGNATION DIAGRAM

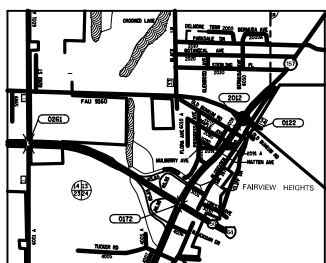


CABLE DIAGRAM LEGEND

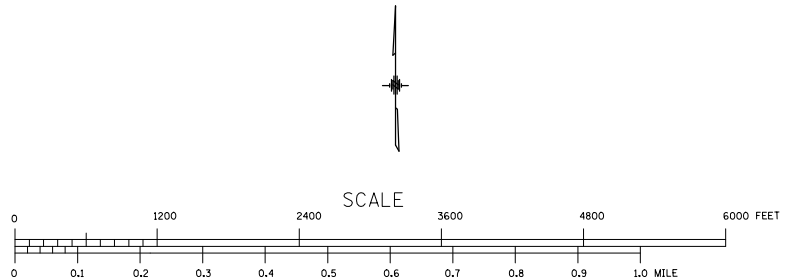
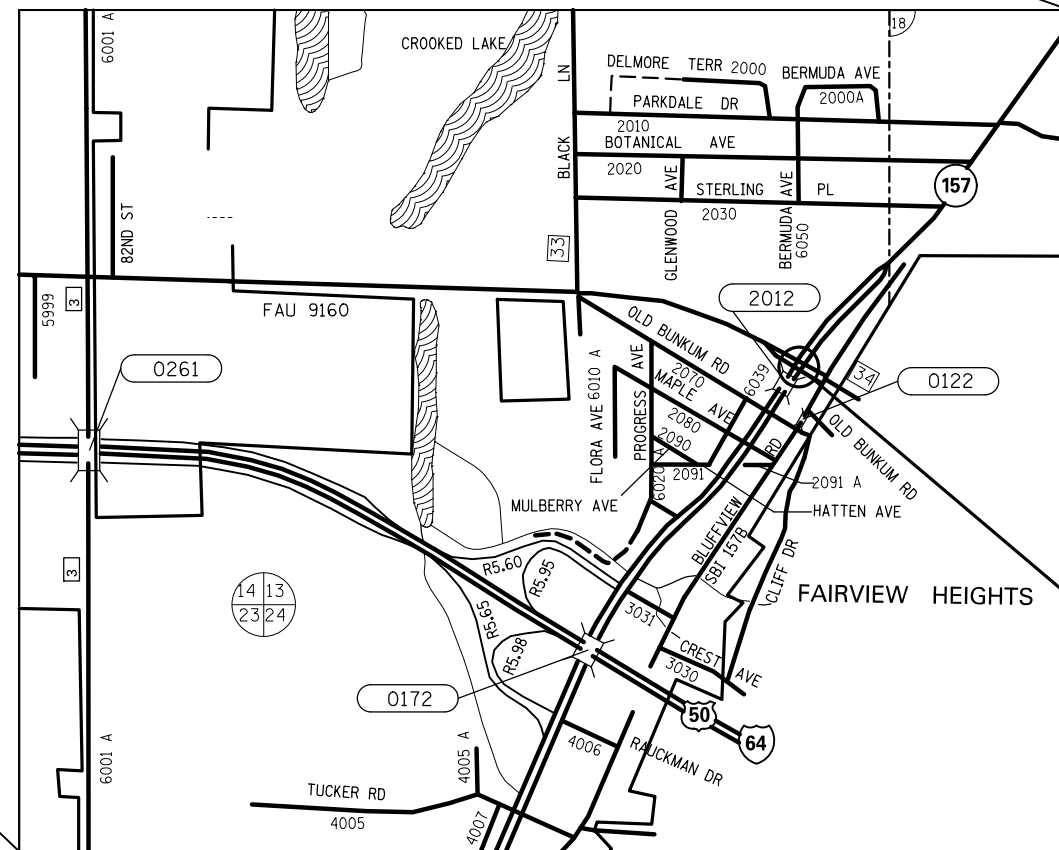
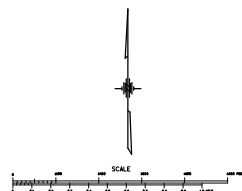
-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	284
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3910



IL 157 & BUNKUM RD.



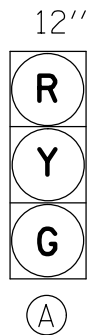
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	PLOT DATE = 11/16/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP CASEYVILLE, ST. CLAIR CNTY.**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-1	*	71	48
* = VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

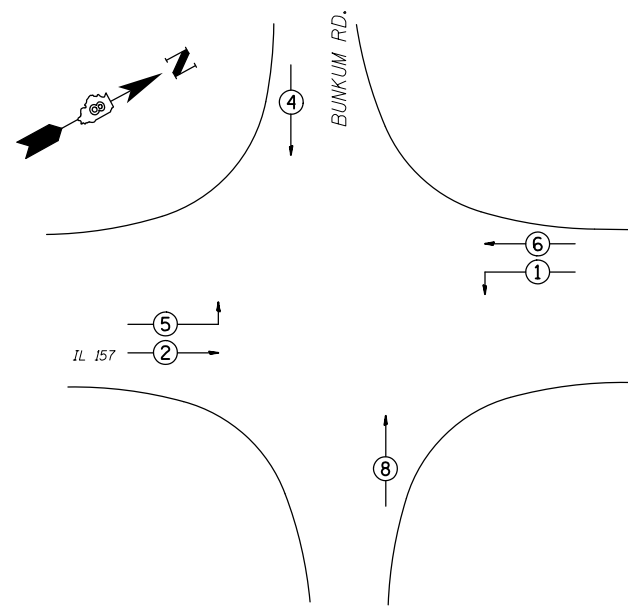
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

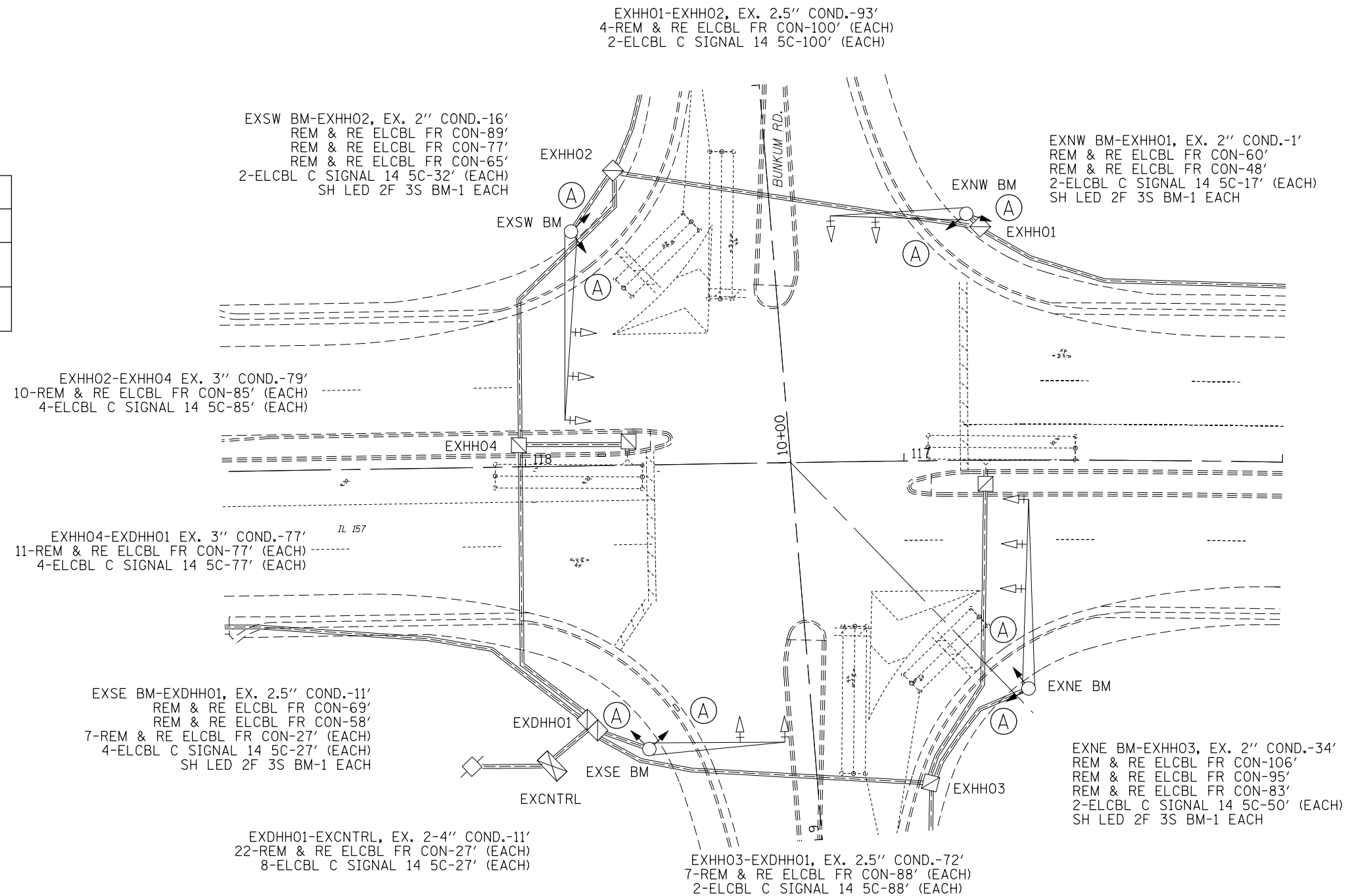
EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	←	→	NOT USED	↓	↖	↗	NOT USED	↑
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4


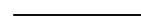
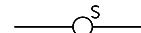
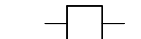
PHASES 4 AND 8 SHALL TIME CONCURRENTLY.

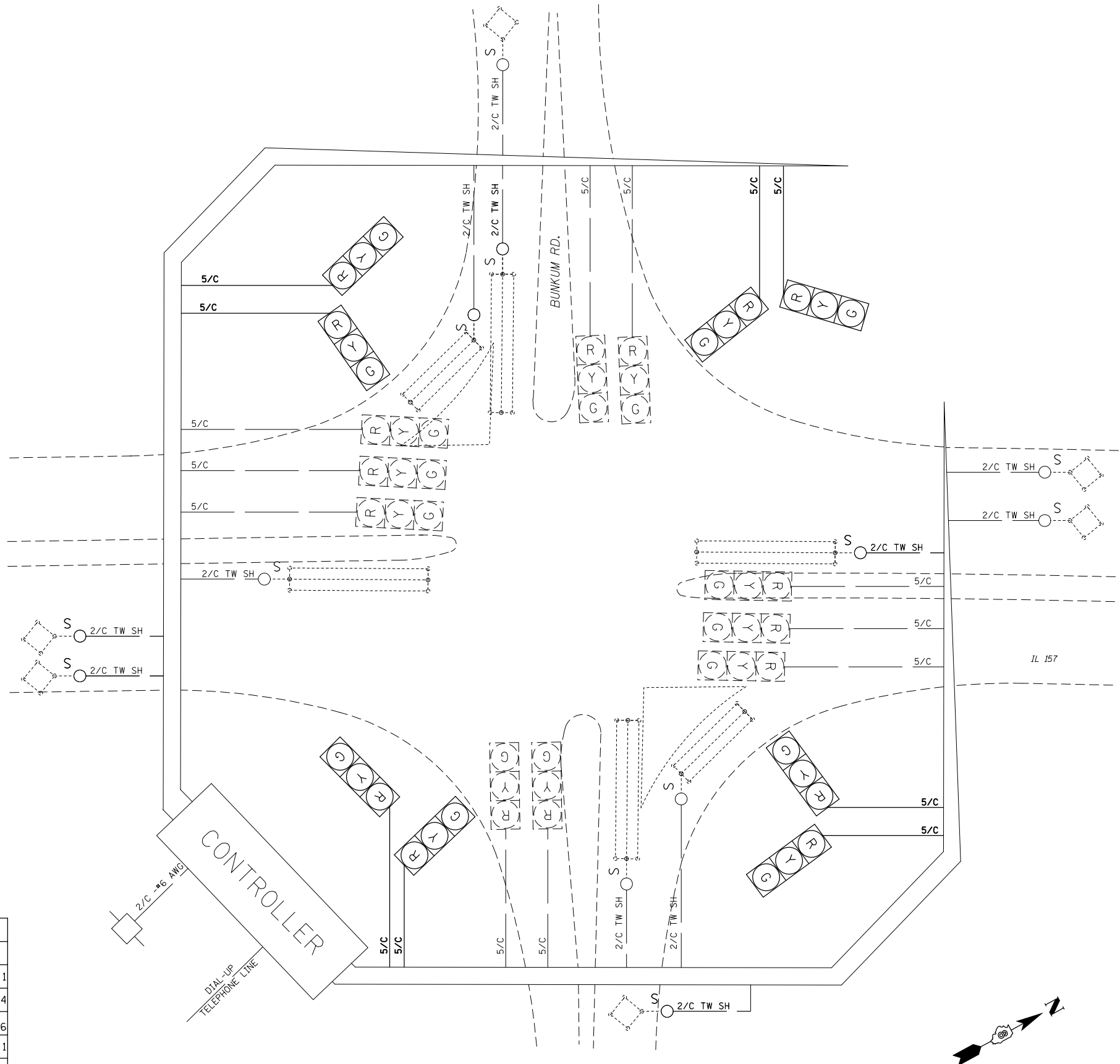


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED CABLE
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1546
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4246

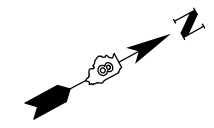
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	PLOT DATE = 11/16/2015		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

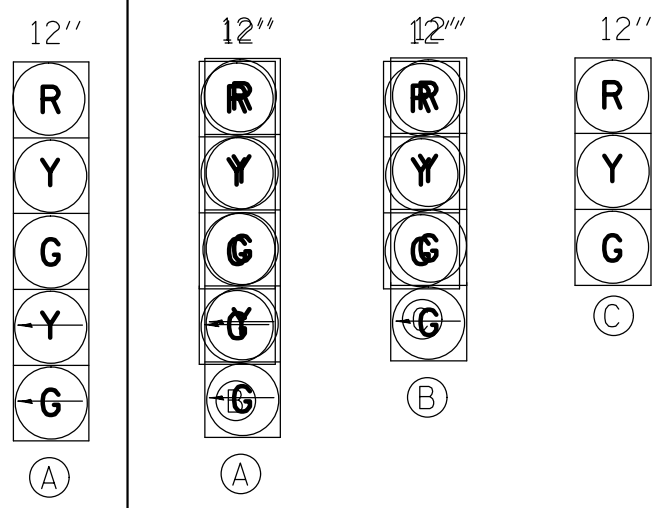
**IL 157 & BUNKUM (CASEYVILLE, ST. CLAIR CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	50
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

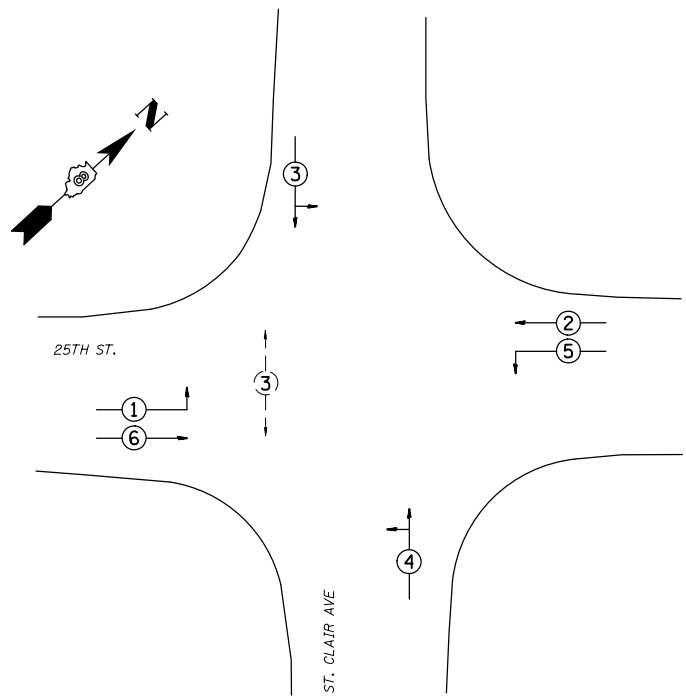


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←*	↕	↑	↖	↗*	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



PHASE DESIGNATION DIAGRAM

EXSW BM-EXHH01, EX. 2" COND.-31'
 REM & RE ELCBL FR CON-104'
 REM & RE ELCBL FR CON-79'
 ELCBL C SIGNAL 14 5C-47'
 ELCBL C SIGNAL 14 7C-47'
 SH P LED 2F 1-3 1-4BM-1 EACH

EXNW BM-EXHH05, EX. 2" COND.-2'
 REM & RE ELCBL FR CON-76'
 REM & RE ELCBL FR CON-53'
 ELCBL C SIGNAL 14 5C-18'
 ELCBL C SIGNAL 14 7C-18'
 SH P LED 2F 1-3 1-5BM-1 EACH

EXHH05-EXHH04, EX. 2" COND.-42'
 3-REM & RE ELCBL FR CON-48' (EACH)
 ELCBL C SIGNAL 14 5C-48'
 ELCBL C SIGNAL 14 7C-48'

EXHH04-EXHH03, EX. 2" COND.-75'
 6-REM & RE ELCBL FR CON-82' (EACH)
 ELCBL C SIGNAL 14 5C-82'
 ELCBL C SIGNAL 14 7C-82'

EXHH01-EXHH02, EX. 2.5" COND.-77'
 8-REM & RE ELCBL FR CON-83' (EACH)
 ELCBL C SIGNAL 14 5C-83'
 ELCBL C SIGNAL 14 7C-83'

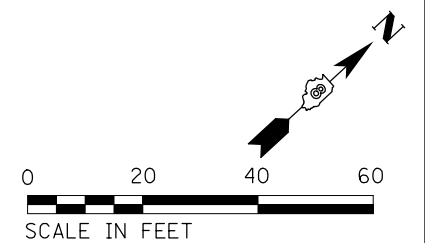
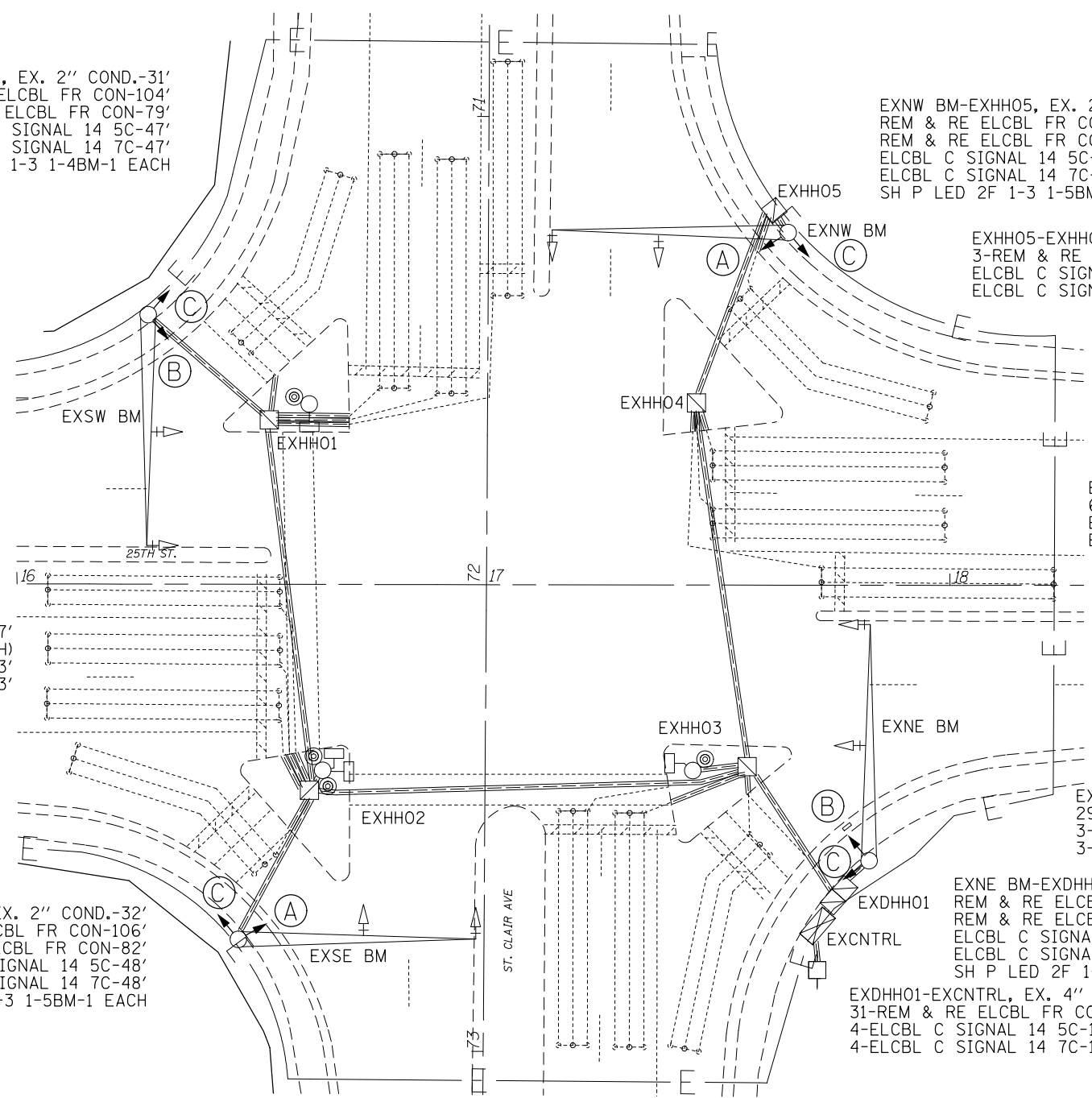
EXHH03-EXDHH01, EX. 4" COND.-30'
 29-REM & RE ELCBL FR CON-36' (EACH)
 3-ELCBL C SIGNAL 14 5C-36' (EACH)
 3-ELCBL C SIGNAL 14 7C-36' (EACH)

EXSE BM-EXHH02, EX. 2" COND.-32'
 REM & RE ELCBL FR CON-106'
 REM & RE ELCBL FR CON-82'
 ELCBL C SIGNAL 14 5C-48'
 ELCBL C SIGNAL 14 7C-48'
 SH P LED 2F 1-3 1-5BM-1 EACH


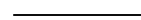
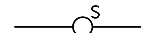
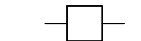
EXNE BM-EXDHH01, EX. 2" COND.-4'
 REM & RE ELCBL FR CON-78'
 REM & RE ELCBL FR CON-52'
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'
 SH P LED 2F 1-3 1-4BM-1 EACH

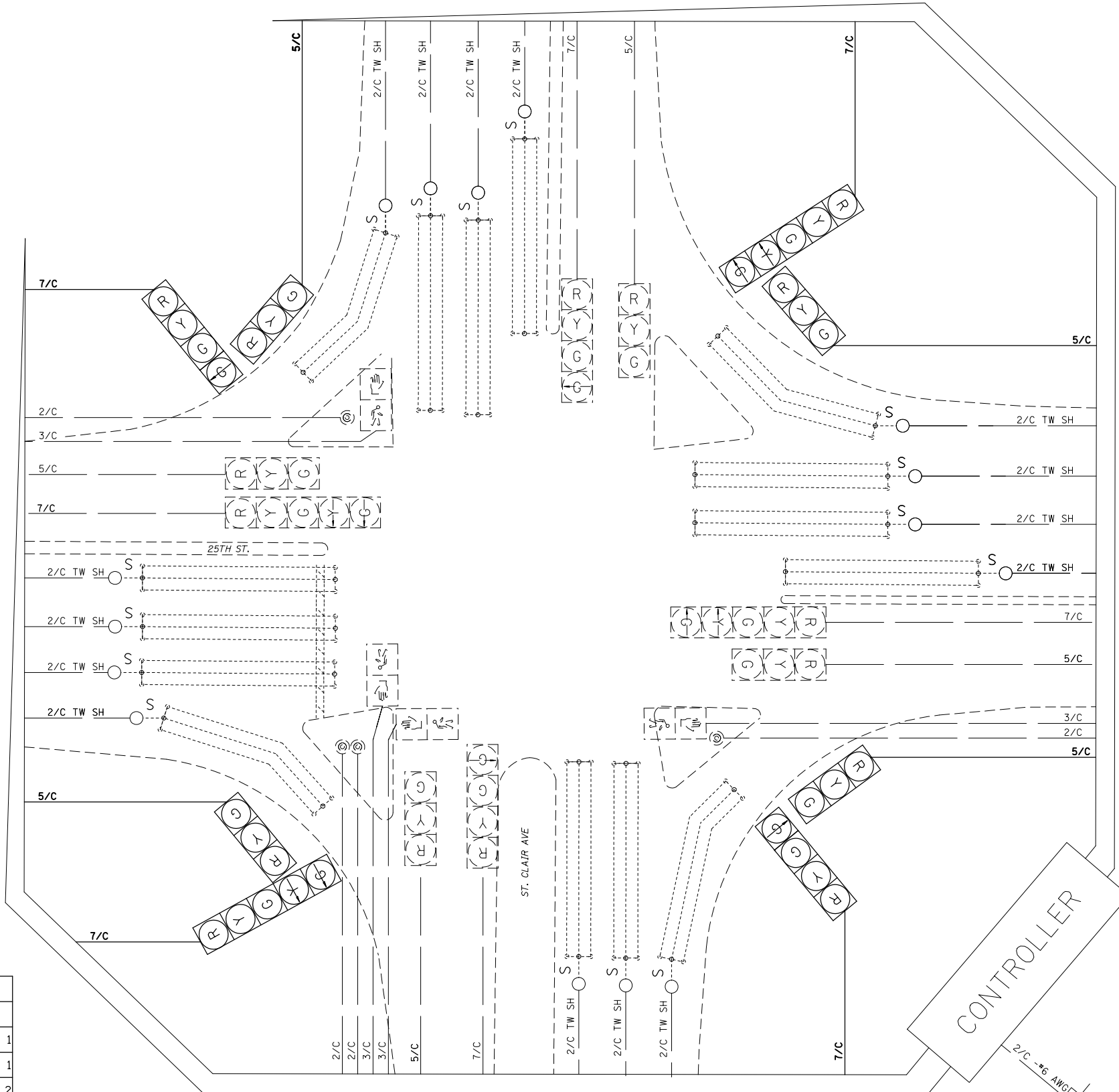
EXDHH01-EXCNTL, EX. 4" COND.-1'
 31-REM & RE ELCBL FR CON-16' (EACH)
 4-ELCBL C SIGNAL 14 5C-16' (EACH)
 4-ELCBL C SIGNAL 14 7C-16' (EACH)

EXHH02-EXHH03, EX. 3.5" COND.-91'
 18-REM & RE ELCBL FR CON-97' (EACH)
 2-ELCBL C SIGNAL 14 5C-97' (EACH)
 2-ELCBL C SIGNAL 14 7C-97' (EACH)



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	712
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	712
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5216

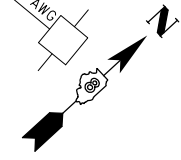
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

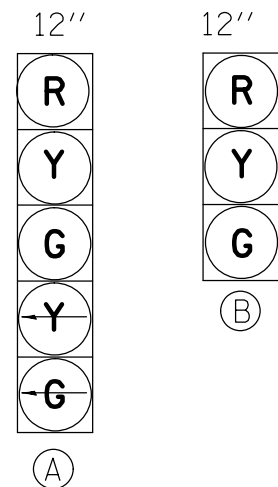
**25TH & ST CLAIR (E ST LOUIS, ST. CLAIR CNTY.)
CABLE DIAGRAM**

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	53
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



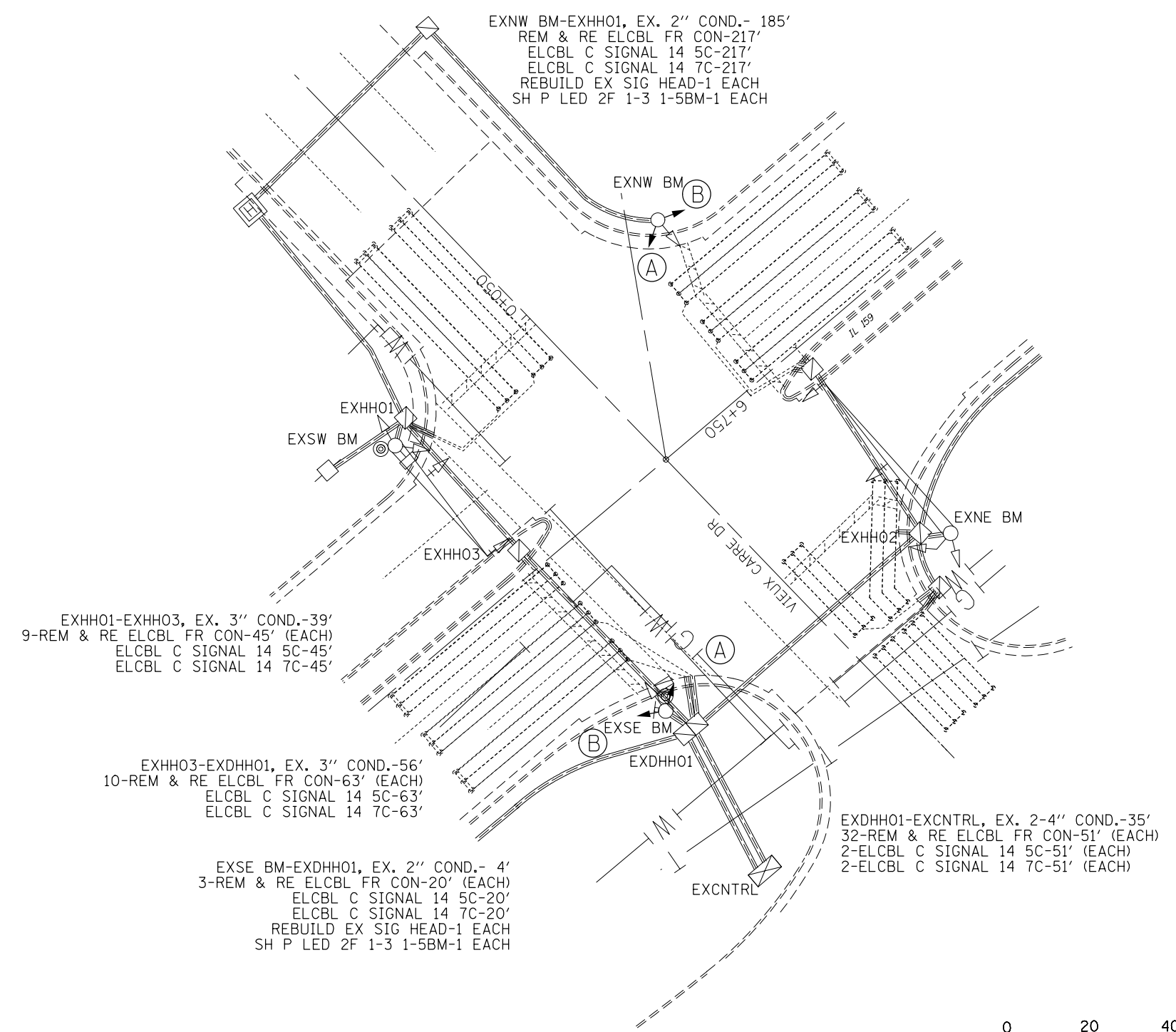
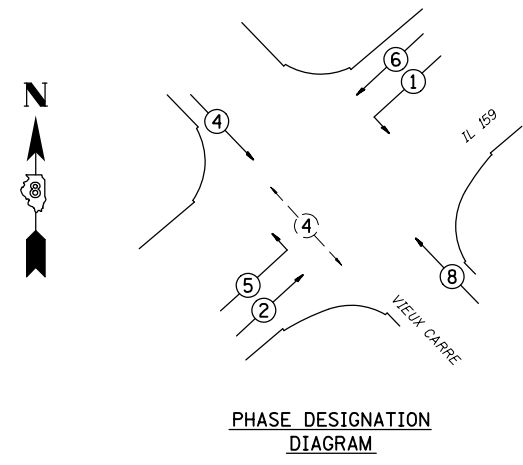
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER


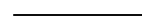
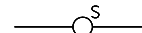
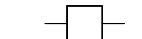
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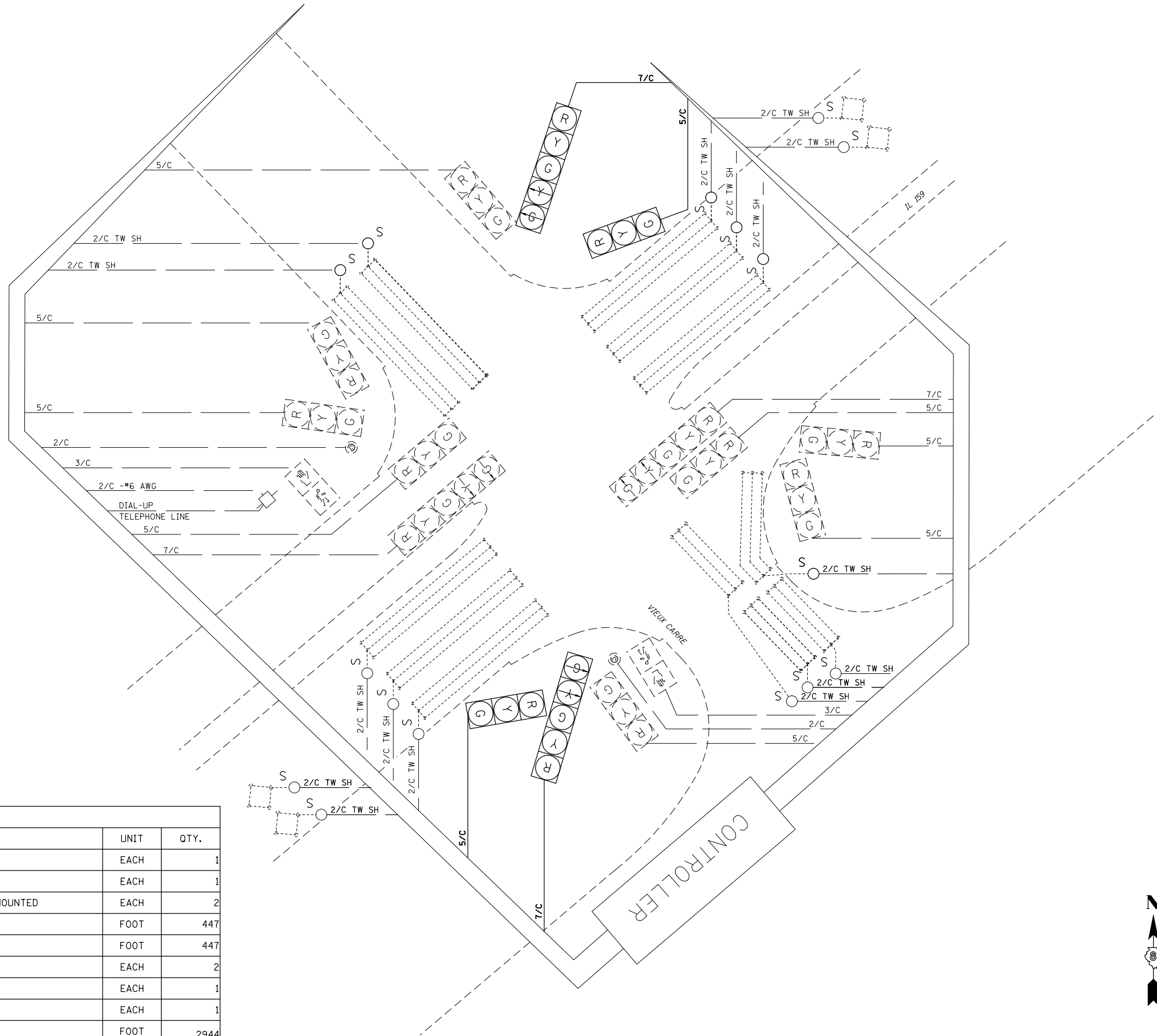
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MOVEMENT	↙	↘	NOT USED	↔	↗	↖	NOT USED	↘
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

PHASES 4 AND 8 TIME CONCURRENTLY



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED CABLE
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	447
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	447
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2944



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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		DATE -	REVISED -

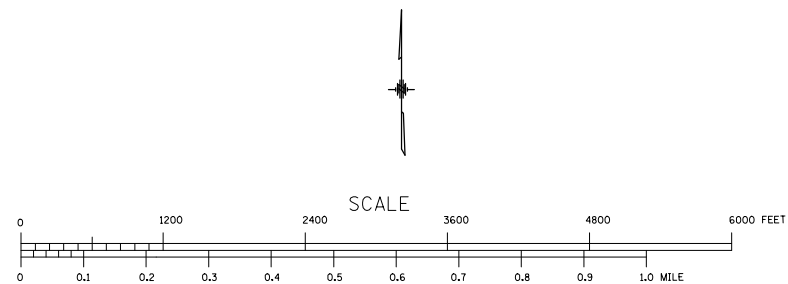
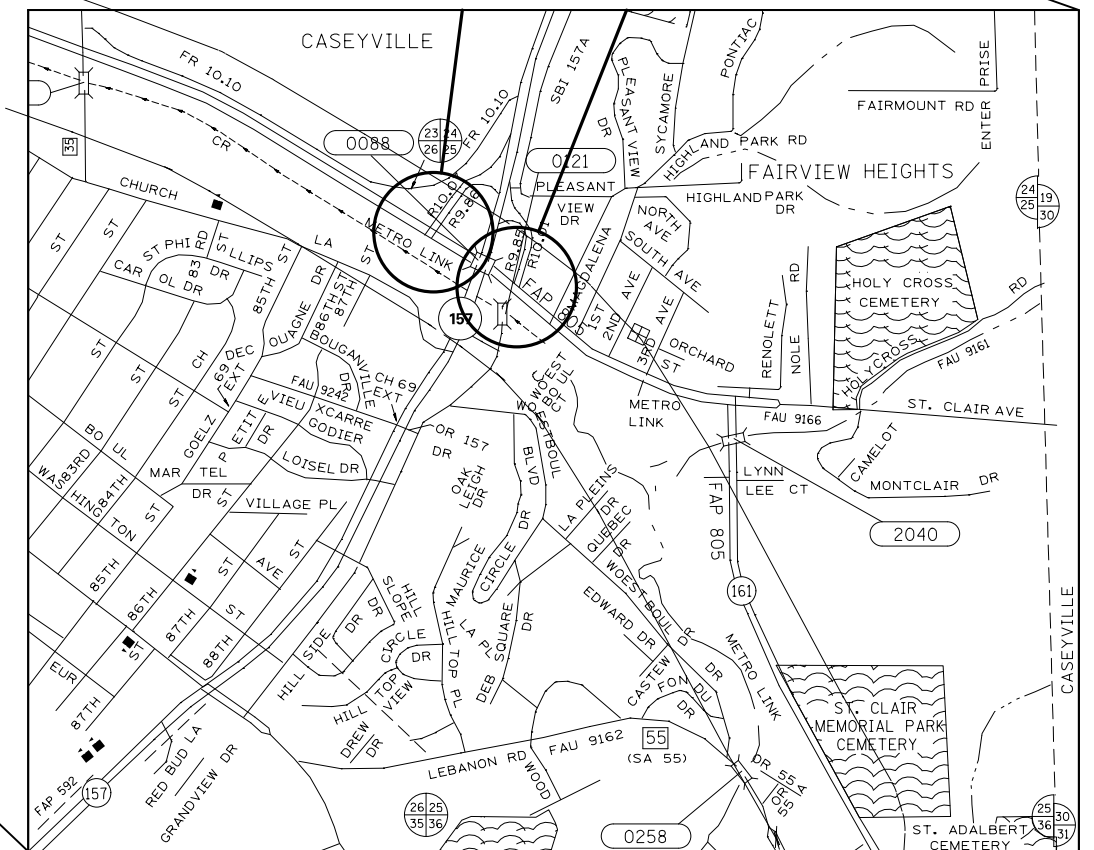
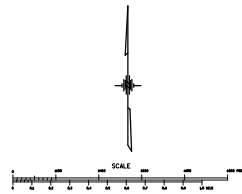
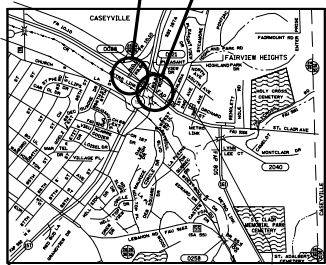
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 157 & VIEUX CARRE (E ST LOUIS, ST. CLAIR CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	55
•=VARIOUS		CONTRACT NO. 76J20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

IL 157 & ST CLAIR AVE. W. JCT.
 IL 157 & ST CLAIR AVE. E. JCT.



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 11/16/2015	DATE -	REVISED -

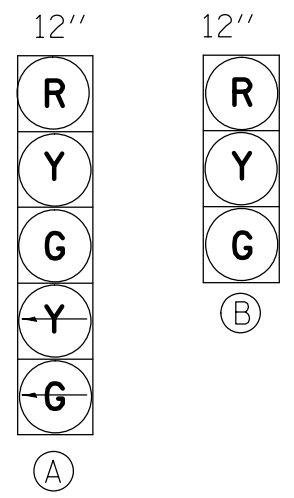
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LOCATION
 MAP FAIRVIEW HEIGHTS, ST. CLAIR CNTY.**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	56
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

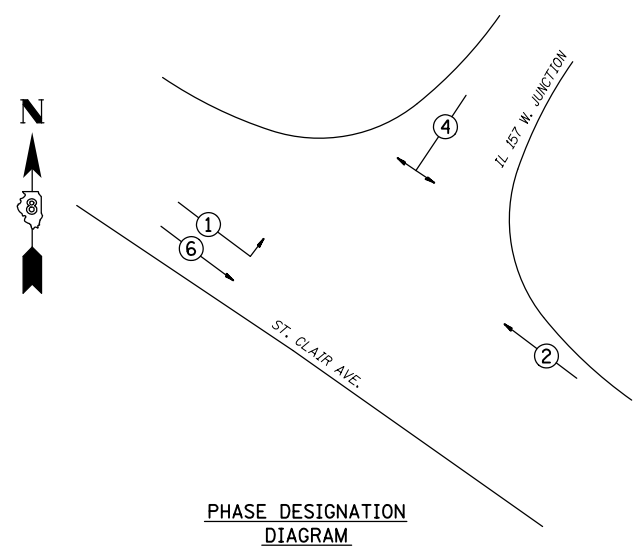
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



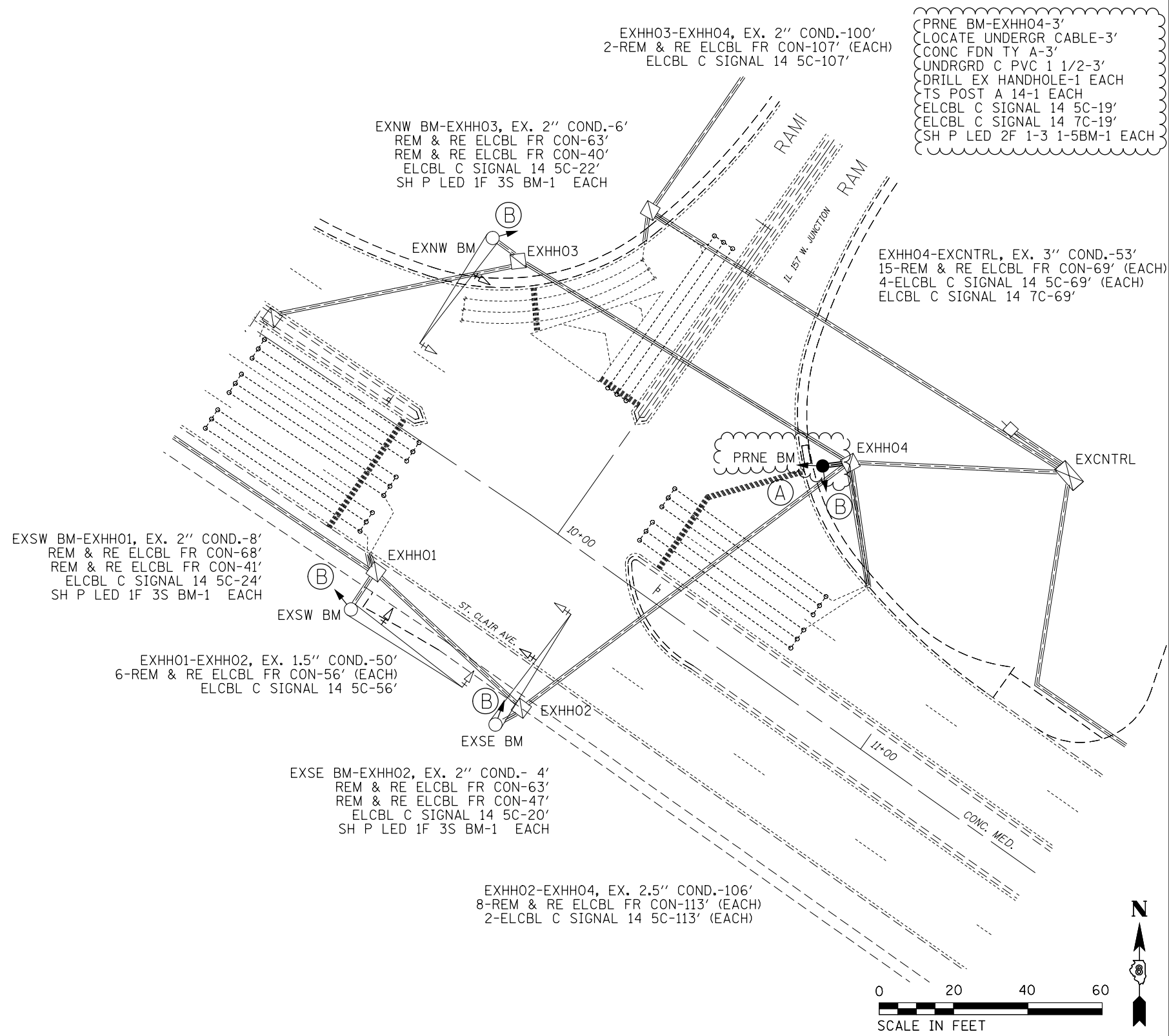
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	NOT USED	↓	NOT USED	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	6	6		NONE		1 OR 2		



PHASE DESIGNATION DIAGRAM


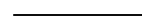
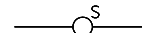
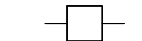


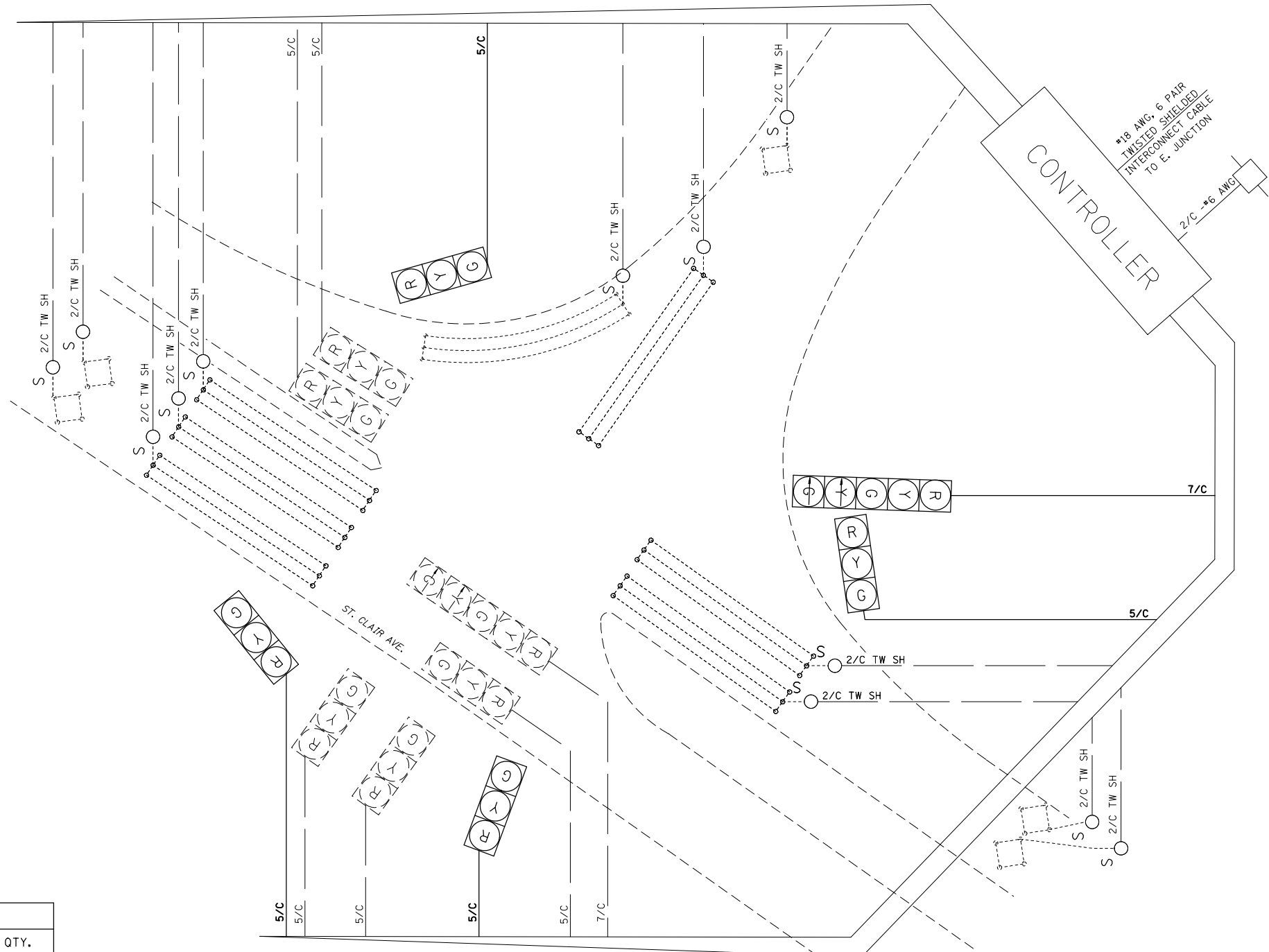
PRNE BM-EXHH04-3'
 LOCATE UNDERGR CABLE-3'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-3'
 DRILL EX HANDHOLE-1 EACH
 TS POST A 14-1 EACH
 ELCBL C SIGNAL 14 5C-19'
 ELCBL C SIGNAL 14 7C-19'
 SH P LED 2F 1-3 1-5BM-1 EACH

EXHH04-EXCNTRL, EX. 3" COND.-53'
 15-REM & RE ELCBL FR CON-69' (EACH)
 4-ELCBL C SIGNAL 14 5C-69' (EACH)
 ELCBL C SIGNAL 14 7C-69'



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	3
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	3
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	750
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	88
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2811



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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		DATE -	REVISED -

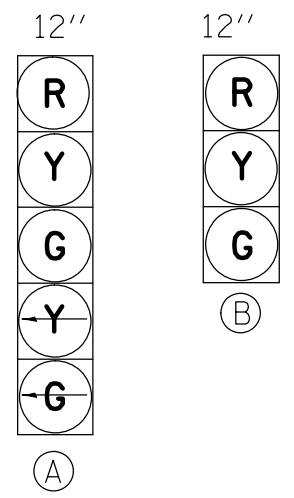
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 157 & ST CLAIR W JCT (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
CABLE DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-1	*	71	58
**VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

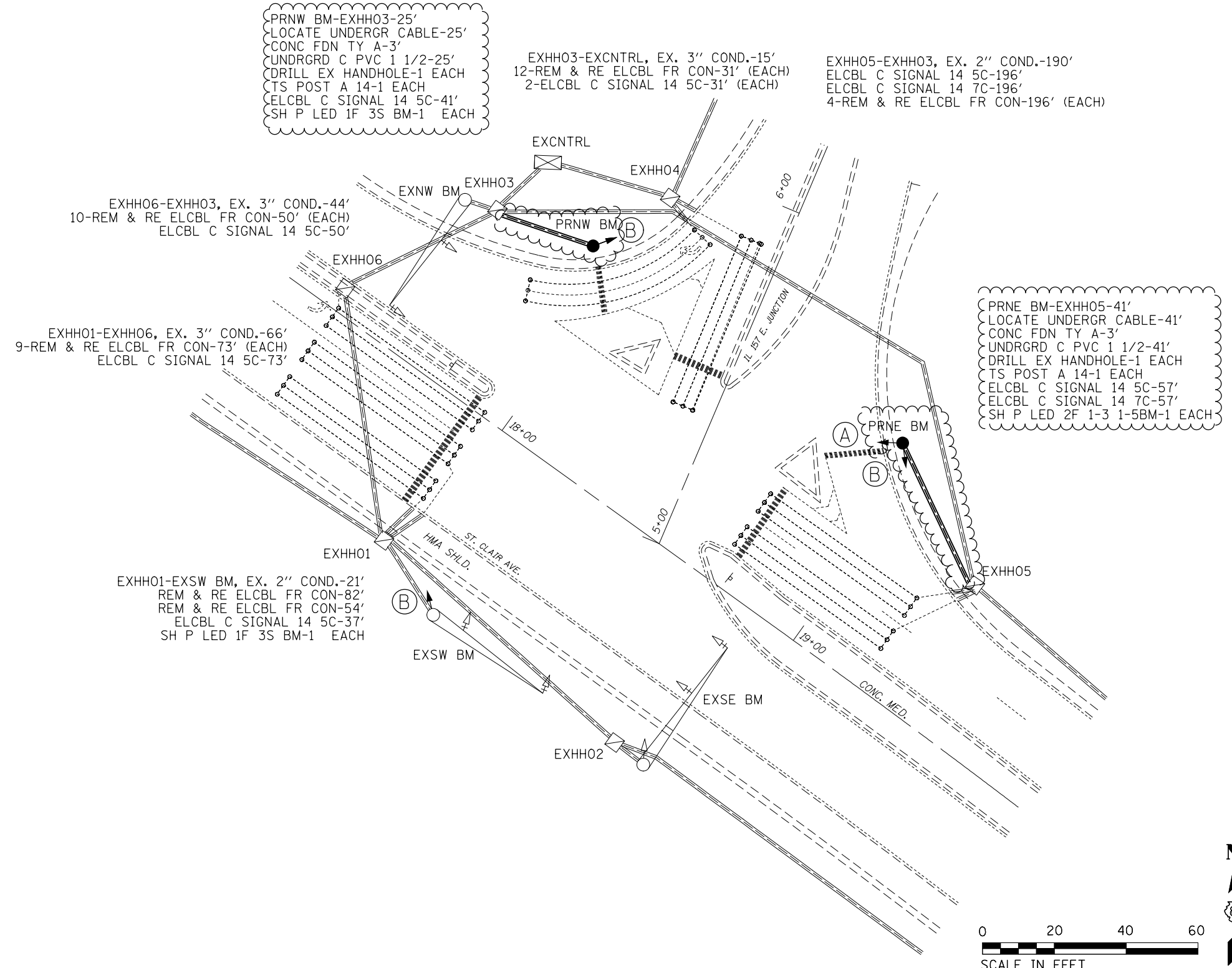
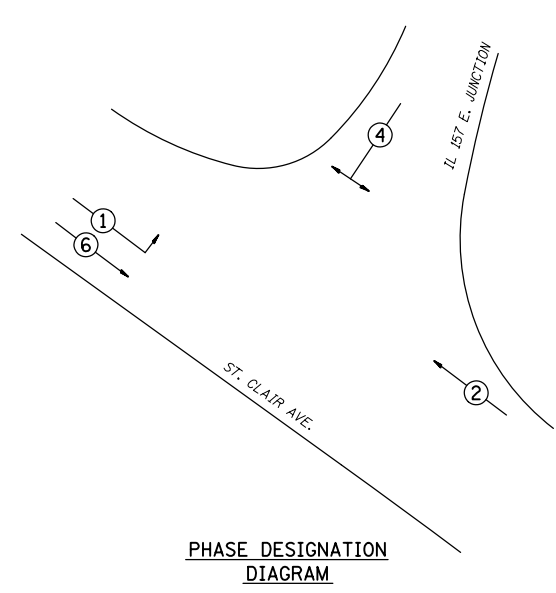
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



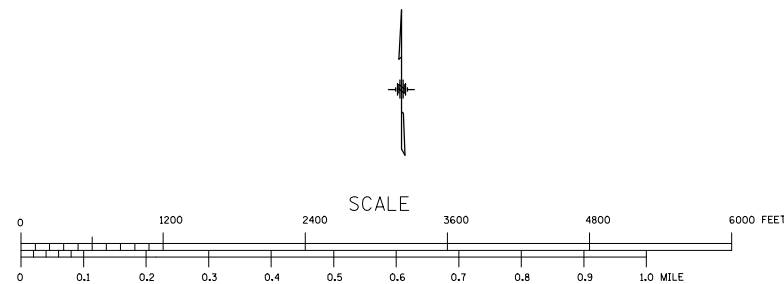
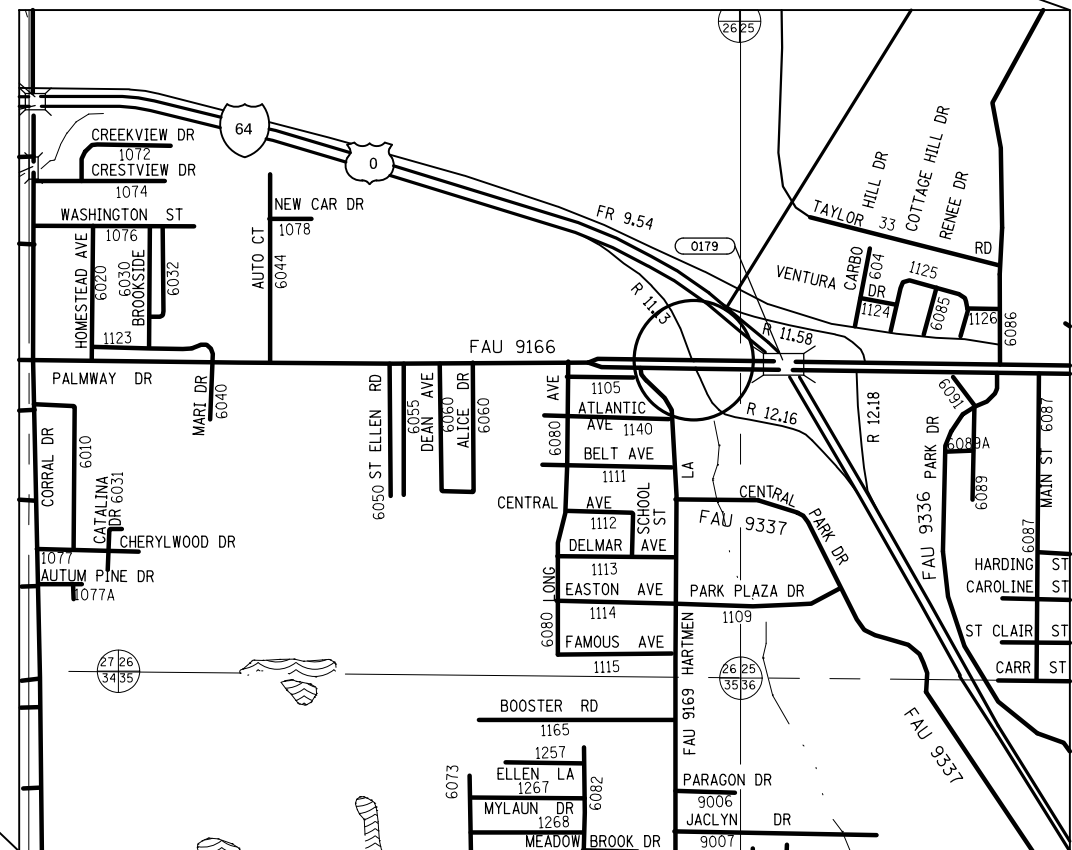
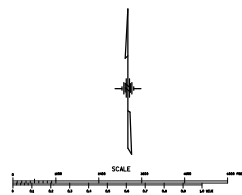
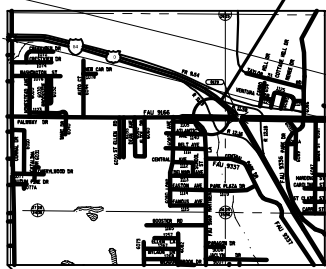
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	NOT USED	↓	NOT USED	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	6	6		NONE		1 OR 2		



W. HWY. 50 & 64 W. JCT.



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 11/16/2015	DATE -	REVISED -

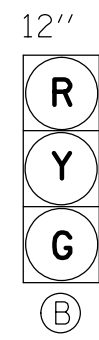
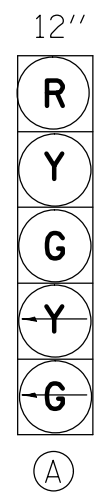
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION
MAP O'FALLON, MADISON CNTY.

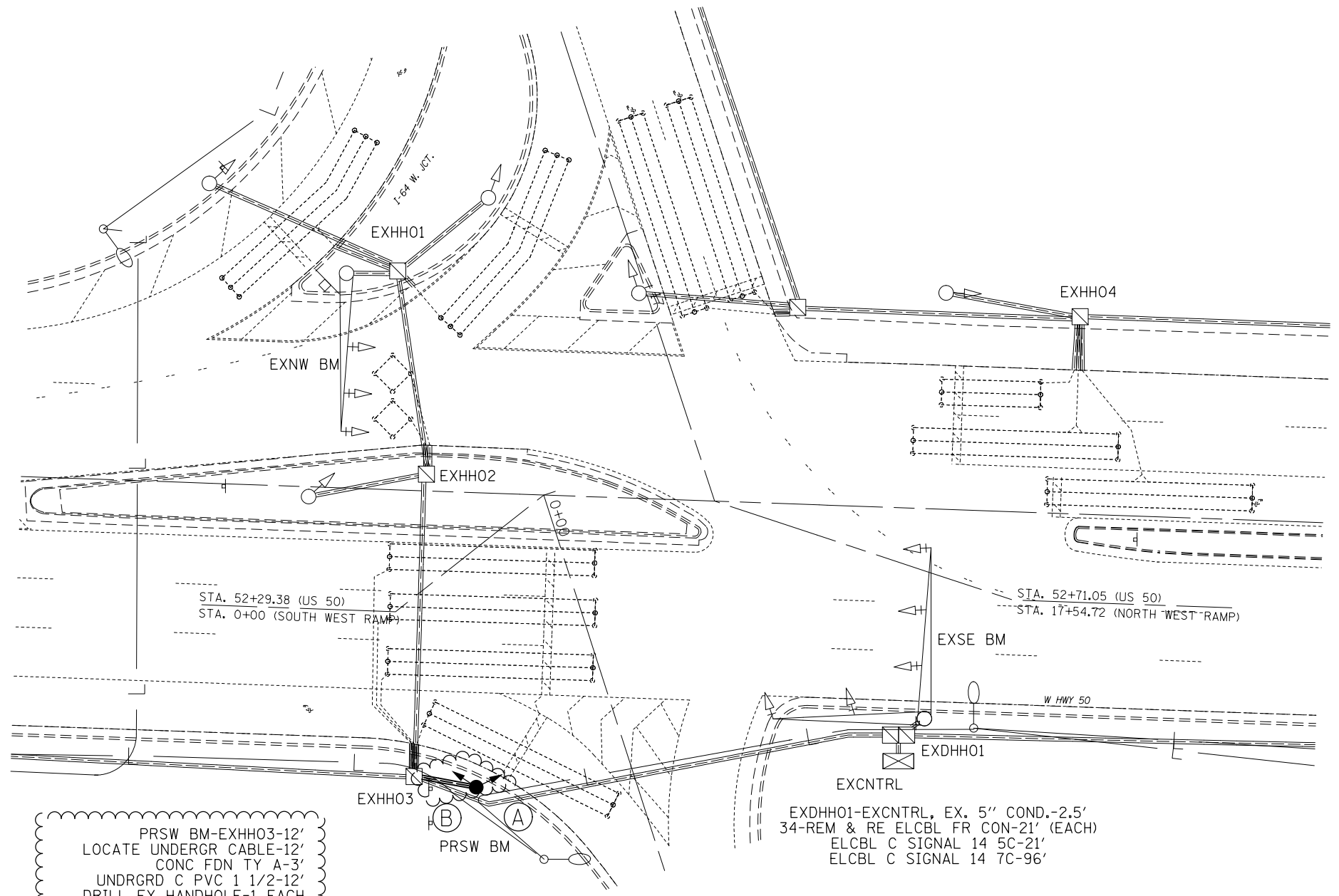
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2016-1	*	71	61
**VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES



PRSW BM-EXHH03-12'
 LOCATE UNDERGR CABLE-12'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-12'
 DRILL EX HANDHOLE-1 EACH
 TS POST A 14-1 EACH
 ELCBL C SIGNAL 14 5C-28'
 ELCBL C SIGNAL 14 7C-28'
 SH P LED 2F 1-3 1-5BM-1 EACH


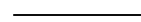
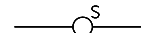

EXHH03-EXDHH01, EX. 3" COND.-115'
 15-REM & RE ELCBL FR CON-121' (EACH)
 ELCBL C SIGNAL 14 5C-121'
 ELCBL C SIGNAL 14 7C-121'

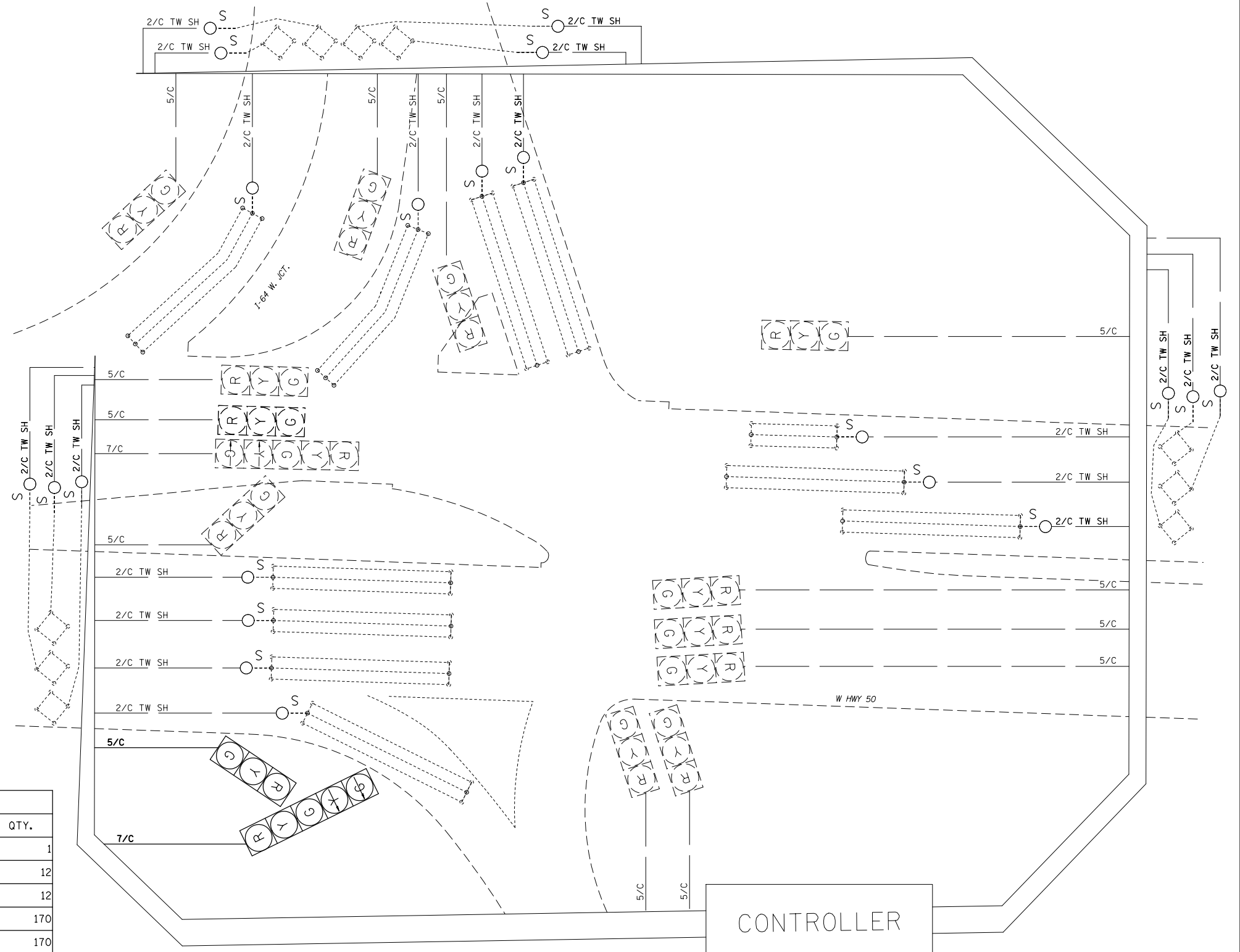
EXDHH01-EXCNTRL, EX. 5" COND.-2.5'
 34-REM & RE ELCBL FR CON-21' (EACH)
 ELCBL C SIGNAL 14 5C-21'
 ELCBL C SIGNAL 14 7C-96'



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	W HWY 50 & I-64 W JCT (O'FALLON, ST. CLAIR CNTY.) TRAFFIC SIGNAL PLAN	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLLOT DATE = 11/16/2015	DATE -	REVISED -			•=VARIOUS			CONTRACT NO. 76J20		
						FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	12
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	12
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	170
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	170
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2529

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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PLOT SCALE = 33.3333' / in.		DATE -	REVISED -
PLOT DATE = 11/16/2015			

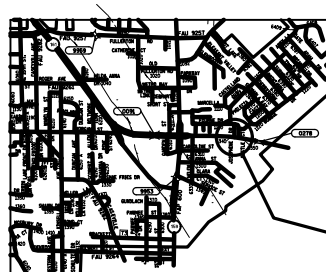
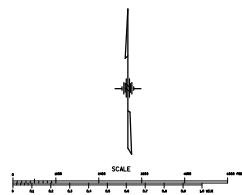
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W HWY 50 & I-64 W JCT (O'FALLON, ST. CLAIR CNTY.)
CABLE DIAGRAM

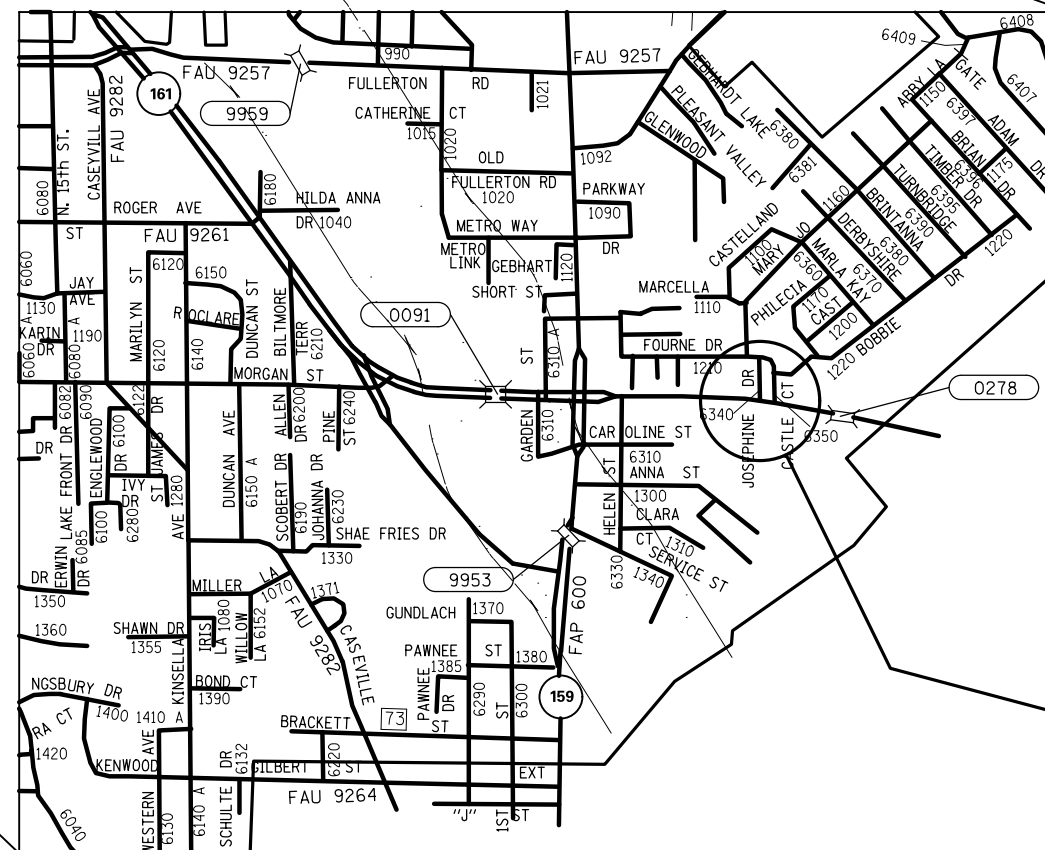
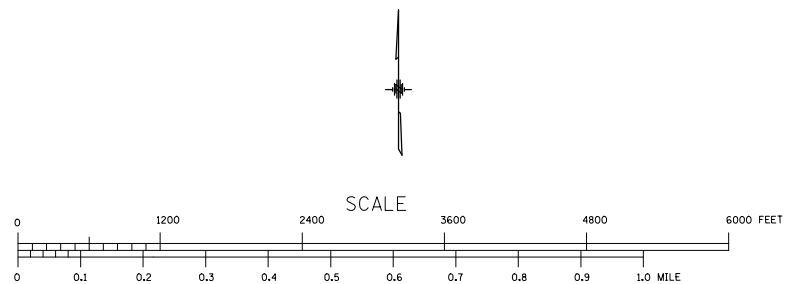
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	63
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





IL 161 & JOSEPHINE



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2015	DATE -	REVISED -

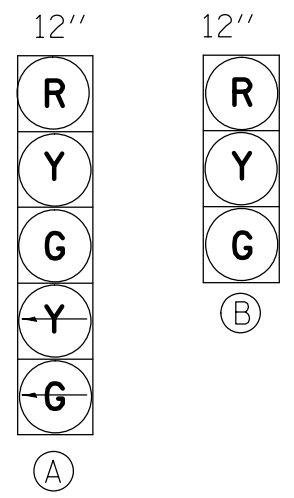
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP SWANSEA, MADISON CNTY.**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2016-1	*	71	64
* = VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



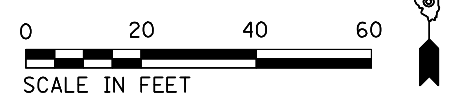
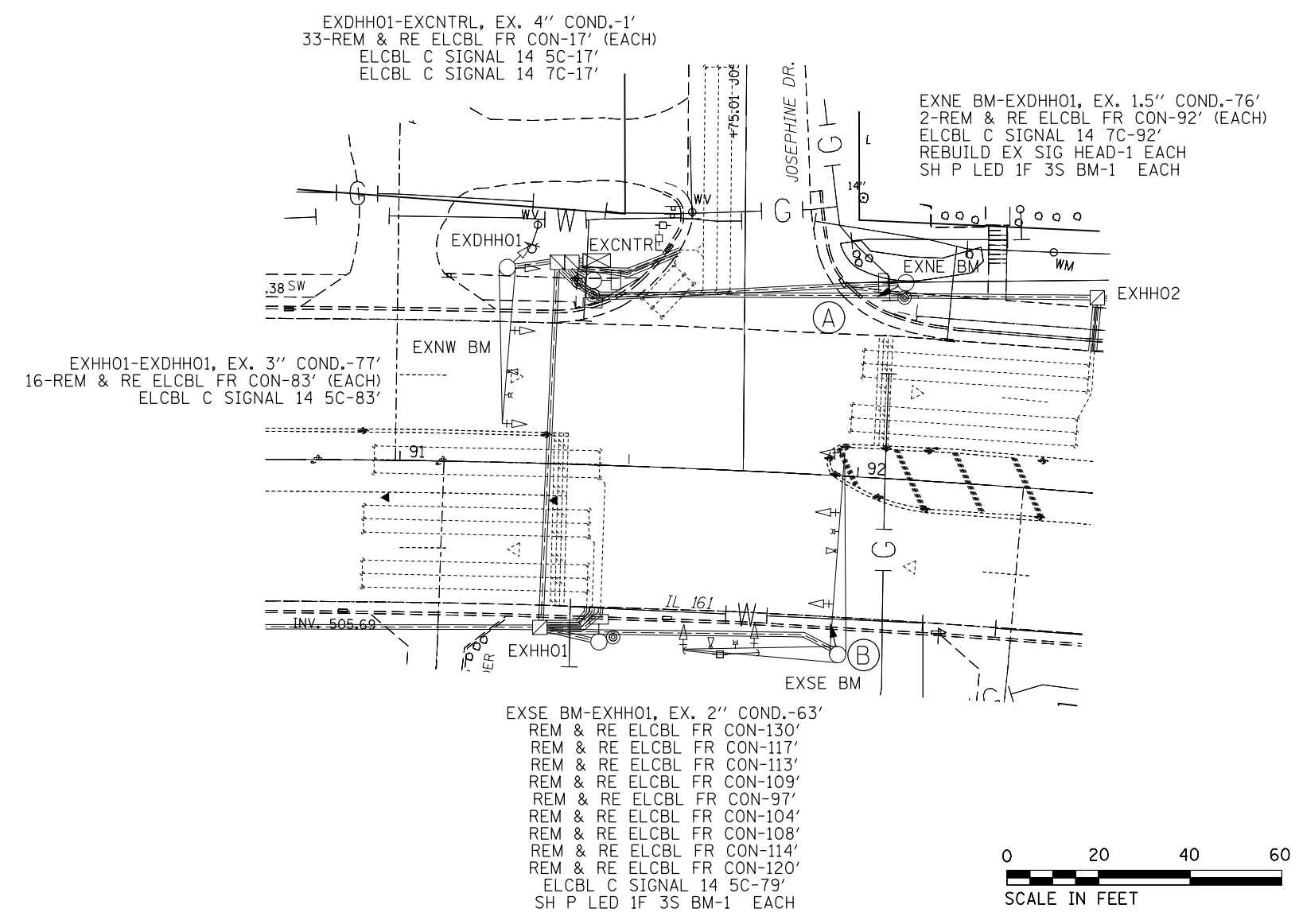
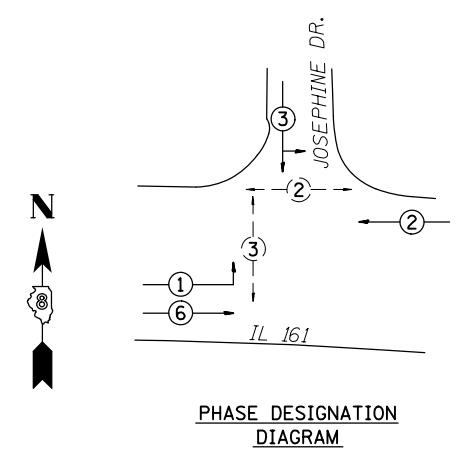
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER


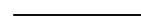
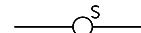

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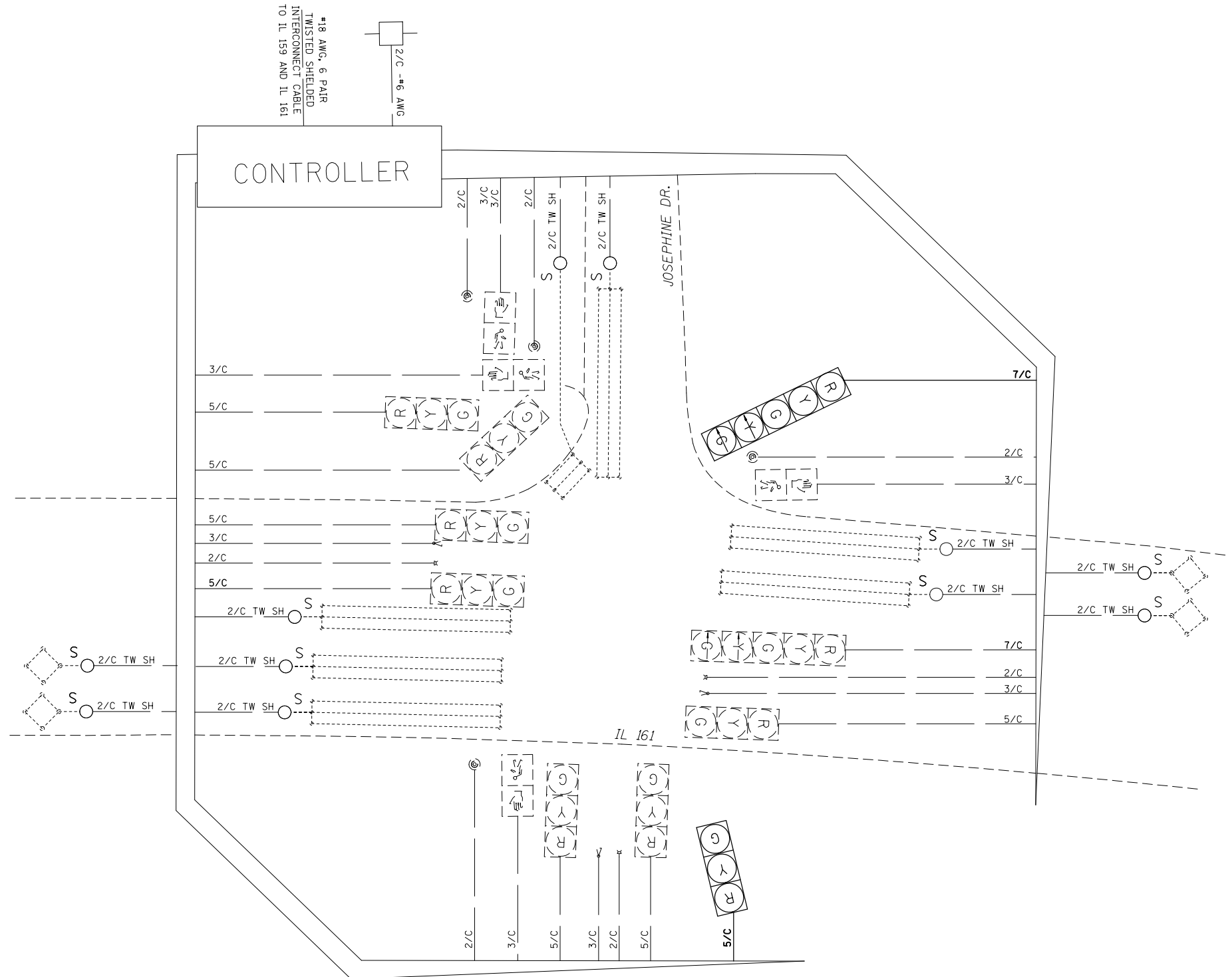
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←*	↔	NOT USED	NOT USED	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	6	6	NONE			1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	179
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	109
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3085

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 11/16/2015	DATE -	REVISED -

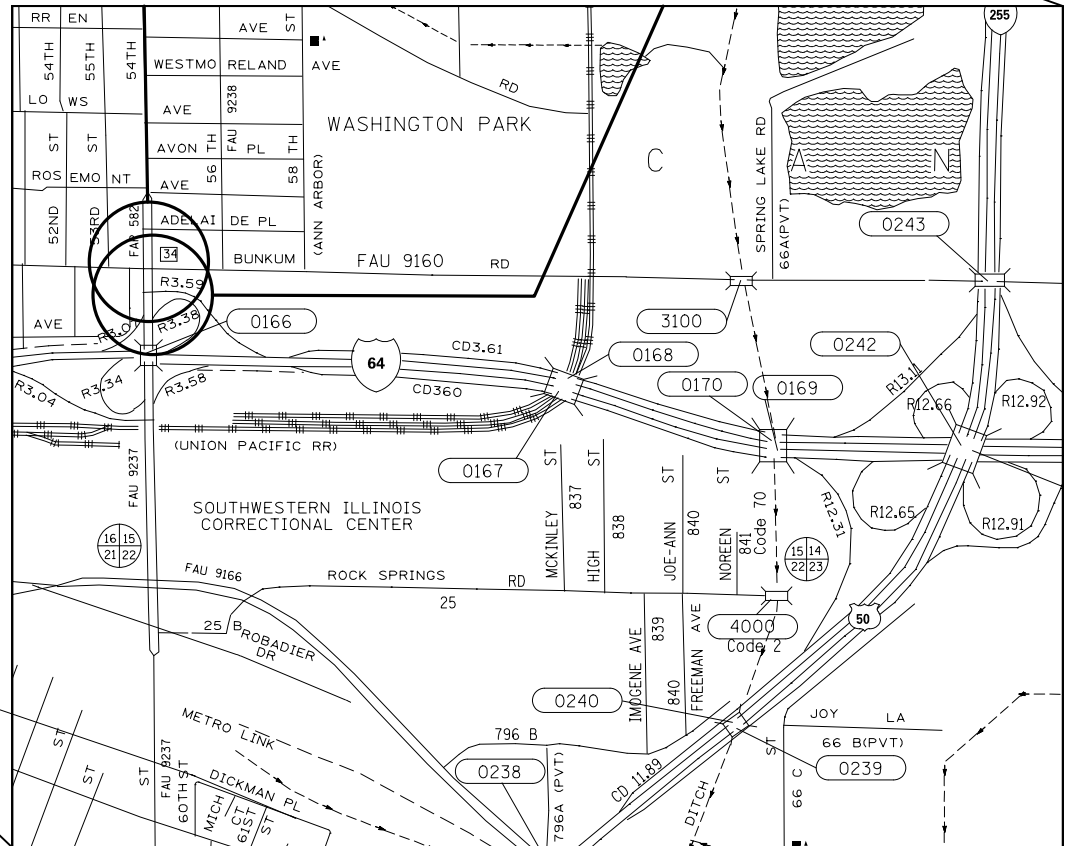
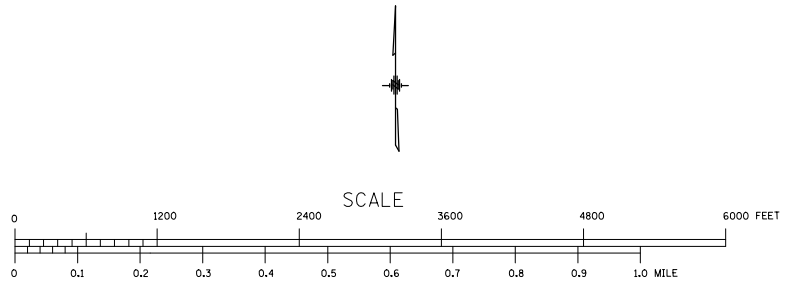
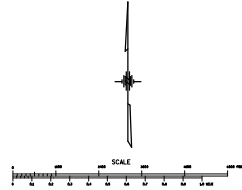
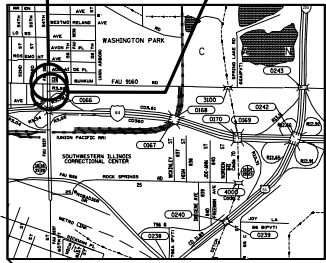
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 161 & JOSEPHINE (SWANSEA, ST. CLAIR CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	66
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

IL 111 & BUNKUM RD,
 IL 111 & I-64 N. JCT.



FILE NAME =	USER NAME = prestonm	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2015	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION			
MAP WASHINGTON PARK, MADISON CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	67
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

12"
R
Y
G
A

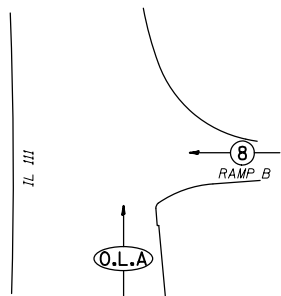
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8	O.L.A
MOVEMENT	↓	↑	↘	↙	↖	↗	NOT USED	←	↑
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		3 OR 4	2 AND 5

(SEE BUNKUM RD.)



PHASE DESIGNATION DIAGRAM

EXHH05-EXDHH01, EX. 3" COND.-95'
 3-ELCBL C SIGNAL 14 5C-101' (EACH)
 (2 OF 3 FROM BUNKUM RD.)
 2-ELCBL C SIGNAL 14 7C-101' (EACH)
 (2 OF 2 FROM BUNKUM RD.)
 16-REM & RE ELCBL FR CON-101' (EACH)
 (14 OF 16 FROM BUNKUM RD.)
 (SEE BUNKUM RD.)

EXHH03-EXHH05, EX. 2" COND.-258'
 ELCBL C SIGNAL 14 5C-264'
 2-REM & RE ELCBL FR CON-264' (EACH)

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXDHH01-EXCNTRL, EX. 5" COND.-2'
 7-ELCBL C SIGNAL 14 5C-18' (EACH)
 (4 OF 7 FROM BUNKUM RD.)
 4-ELCBL C SIGNAL 14 7C-18' (EACH)
 (4 OF 4 FROM BUNKUM RD.)
 36-REM & RE ELCBL FR CON-18' (EACH)
 (25 OF 36 FROM BUNKUM RD.)
 (SEE BUNKUM RD.)

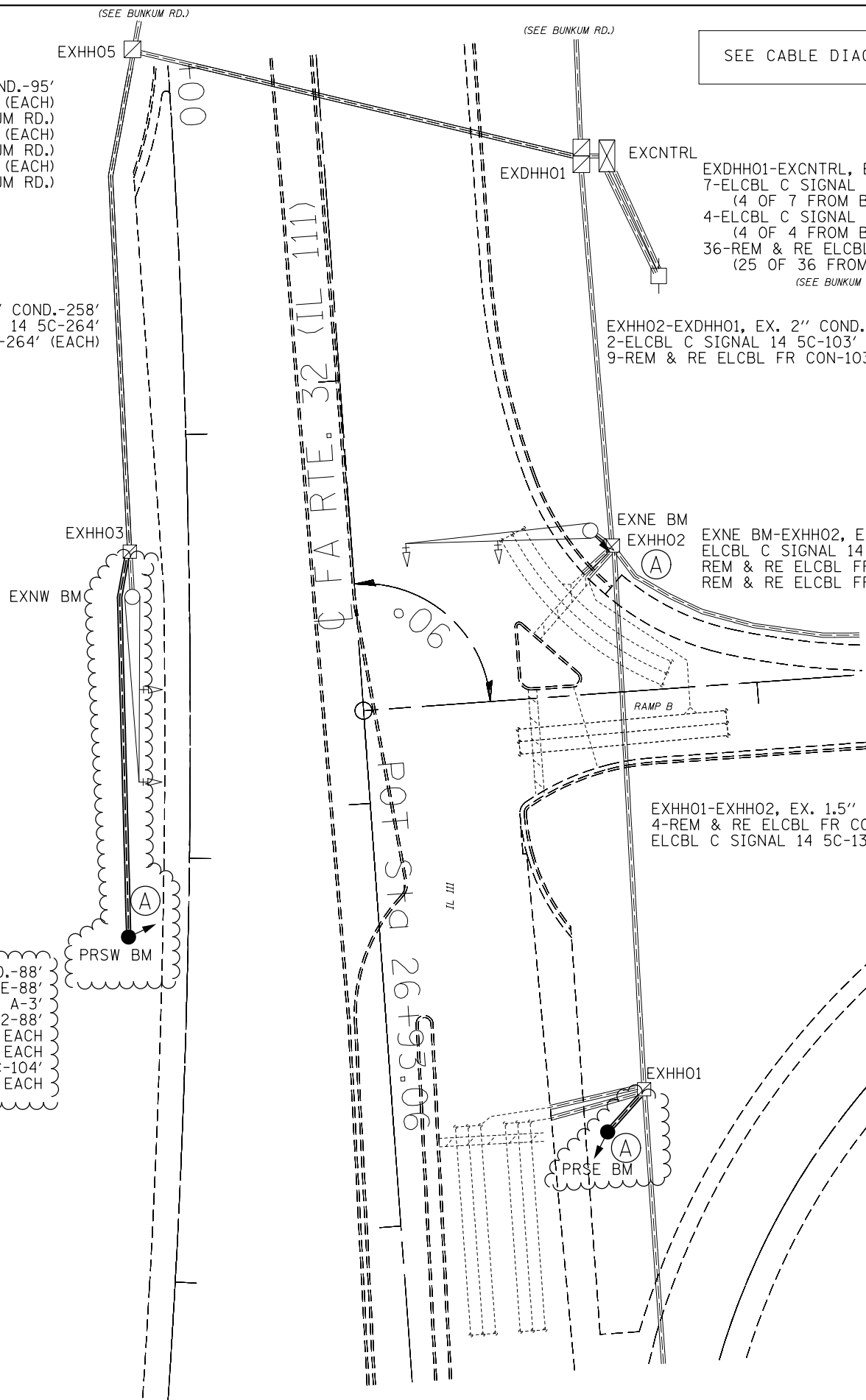
EXHH02-EXDHH01, EX. 2" COND.-87'
 2-ELCBL C SIGNAL 14 5C-103' (EACH)
 9-REM & RE ELCBL FR CON-103' (EACH)

EXNE BM-EXHH02, EX. 2" COND.-3'
 ELCBL C SIGNAL 14 5C-19'
 REM & RE ELCBL FR CON-80'
 REM & RE ELCBL FR CON-58'


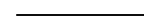
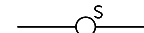
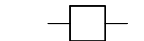
EXHH01-EXHH02, EX. 1.5" COND.-125'
 4-REM & RE ELCBL FR CON-132' (EACH)
 ELCBL C SIGNAL 14 5C-132'

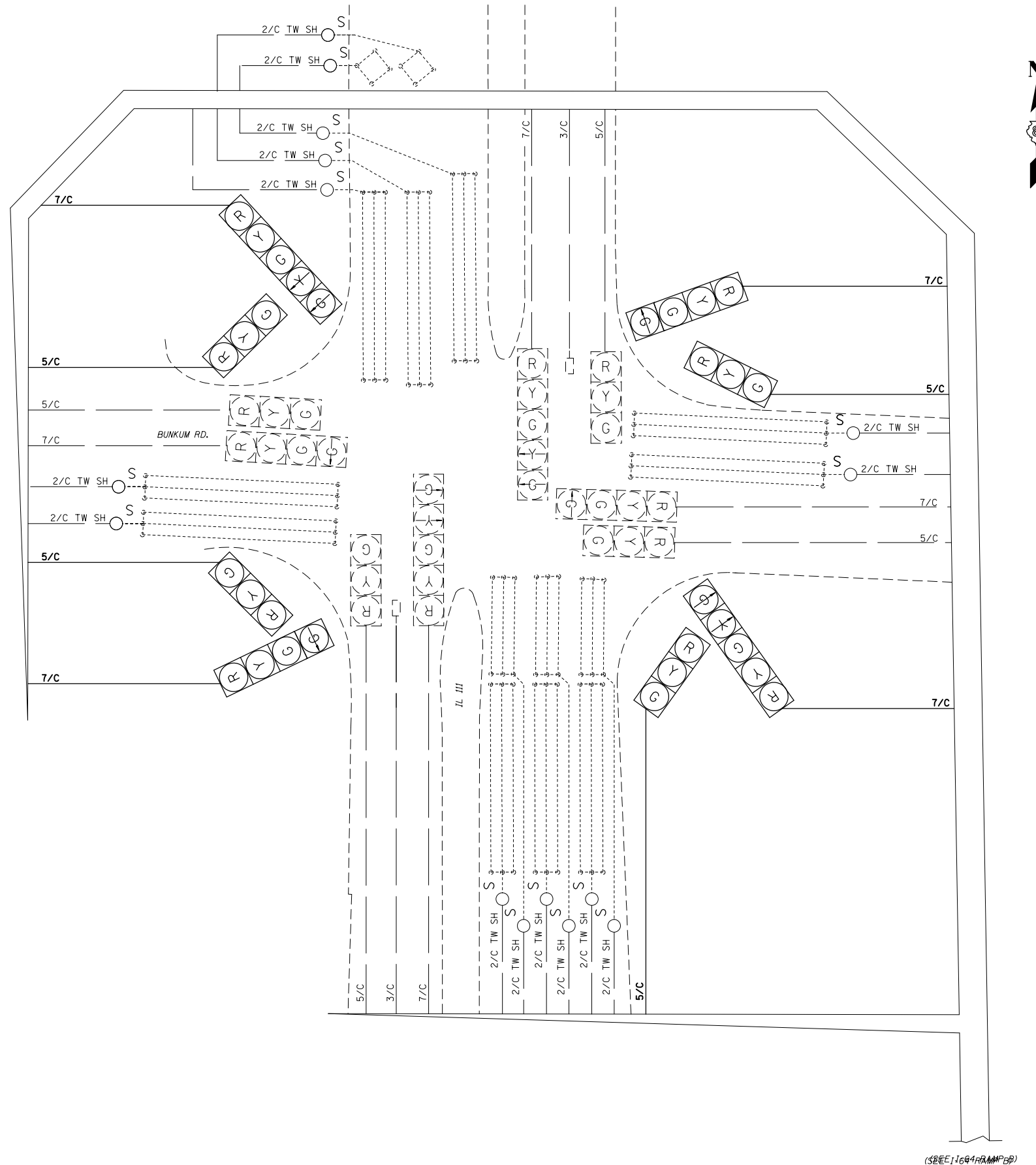
PRSW BM-EXHH03, EX. 2" COND.-88'
 LOCATE UNDERGR CABLE-88'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-88'
 DRILL EX HANDHOLE-1 EACH
 TS POST A 14-1 EACH
 ELCBL C SIGNAL 14 5C-104'
 SH P LED 1F 3S BM-1 EACH

PRSE BM-EXHH01-10'
 LOCATE UNDERGR CABLE-10'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-10'
 DRILL EX HANDHOLE-1 EACH
 TS POST A 14-1 EACH
 ELCBL C SIGNAL 14 5C-26'
 SH P LED 1F 3S BM-1 EACH



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80302842	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	434
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	434
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2642

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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 111 & BUNKUM (WASHINGTON PARK, ST. CLAIR CNTY.)
CABLE DIAGRAM

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-1	•	71	71
•=VARIOUS			CONTRACT NO. 76J20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

(SEE 11694RAMPB)