

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

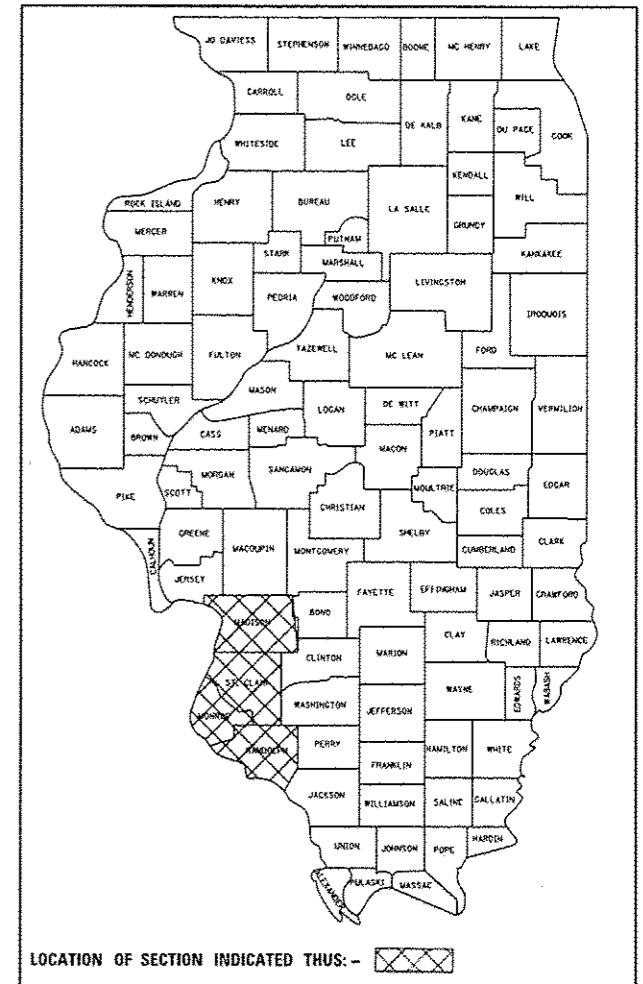
**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION DIST 8 TS 2015-1
PROJECT ACHSIP-000V (037)
INSTALLATION OF NEAR-RIGHT &
FAR-LEFT TRAFFIC SIGNAL
INDICATIONS
VARIOUS COUNTIES

C-98-029-15

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	ILLINOIS	91	1
**VARIOUS		CONTRACT NO. 76H77		

D-98-034-15

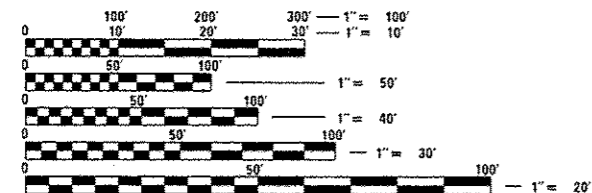


INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES, LEGEND AND DETAILS
3. & 4. SUMMARY OF QUANTITIES
5. - 91. 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

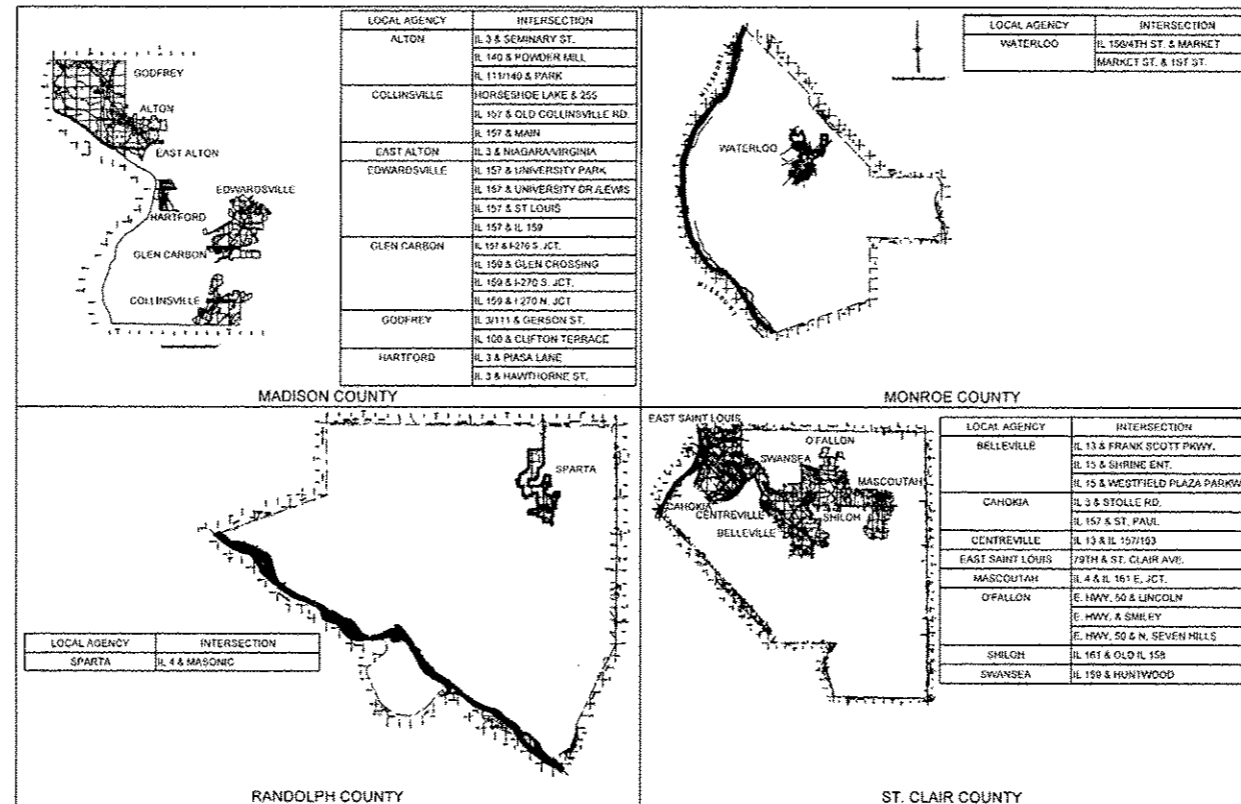


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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. 76H77



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Aug 14 20 15
Jeffrey L. Kan
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Oct 2 20 15
John D. Baranelli
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 2 20 15
Omer Osman
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

ELECTRICAL GENERAL NOTES

- ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- BACKPLATES SHALL BE ABS PLASTIC.
- ALL TRAFFIC SIGNAL CABLE SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTOR. NO TERMINAL ENDS FOR DETECTOR LOOP LEAD-INS.
- HANDHOLES SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PER ARTICLE 1088.10(C)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- LOCATE UNDERGROUND CABLES PRIOR TO ATTEMPTING TO CONSTRUCT THIS PROJECT.
- SIGNAL HEAD COLOR SHALL MATCH THE EXISTING RESPECTIVE MOUNTING STRUCTURE COLOR.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING ILL.I.E. (1-800-892-0123 DR 811) OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY.

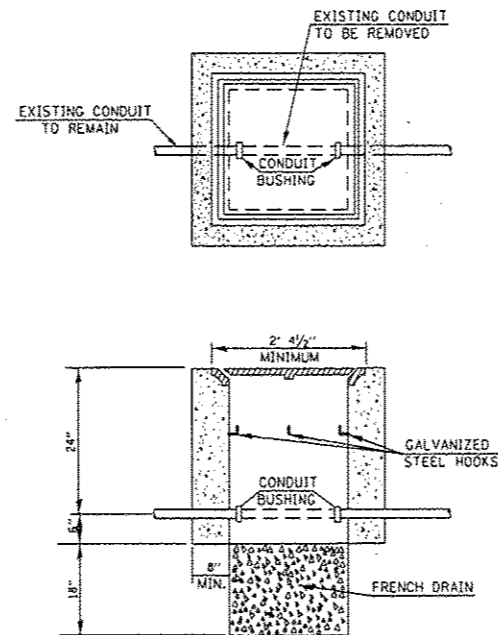
TRAFFIC SIGNALS LEGEND

- EX BM EXISTING BRACKET MOUNTED
- PR BM PROPOSED BRACKET MOUNTED
- E.N.S.W EAST_NORTH_SOUTH_WEST
- HH*_DHH* HANDHOLE*_DOUBLE HANDHOLE*
- CNTRL CONTROLLER
- EXISTING SIGNAL POST
- EXISTING SIGNAL POST WITH BACKPLATE
- EXISTING TRAFFIC SIGNAL MAST ARM
- EXISTING HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING HEAVY DUTY HANDHOLE
- EXISTING DETECTOR LOOP
- EXISTING CONTROLLER
- EXISTING SERVICE INSTALLATION
- EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- EXISTING (E.V.P.S.) CONFIRMATION BEACON
- EXISTING SIGNAL HEAD, PEDESTRIAN
- EXISTING PEDESTRIAN PUSHBUTTON DETECTOR
- EXISTING UNDERGROUND CONDUIT
- PROPOSED HANDHOLE
- RELOCATED SIGNAL HEAD, PEDESTRIAN
- RELOCATED SIGNAL HEAD, PEDESTRIAN
- PROPOSED UNDERGROUND CONDUIT
- PROPOSED SIGNAL POST

INDEX OF SHEETS PER INTERSECTION

- 5. - 11. ALTON
- 12. - 18. COLLINSVILLE
- 19. - 21. EAST ALTON
- 22. - 30. EDWARDSVILLE
- 31. - 39. GLEN CARBON
- 40. - 44. GODFREY
- 45. - 49. HARTFORD
- 50. - 54. WATERLOO
- 55. - 57. SPARTA
- 58. - 64. BELLEVILLE
- 65. - 69. CAHOKIA
- 70. - 72. CENTREVILLE
- 73. - 75. EAST SAINT LOUIS
- 76. - 78. MASCOUTAH
- 79. - 85. O'FALLON
- 86. - 88. SHILOH
- 89. - 91. SWANSEA

COUNTY	LOCAL AGENCY	INTERSECTION
MADISON	ALTON	IL 3 & SEMINARY ST.
		IL 140 & POWDER MILL
		IL 111/140 & PARK
	COLLINSVILLE	HORSESHOE LAKE & I-255
		IL 157 & OLD COLLINSVILLE RD.
	EAST ALTON	IL 3 & NIAGARAVIRGINIA
		EDWARDSVILLE
	EDWARDSVILLE	IL 157 & UNIVERSITY PARK
		IL 157 & UNIVERSITY DR./LEWIS
		IL 157 & ST LOUIS
		IL 157 & IL 159
	GLEN CARBON	IL 157 & I 270 S. JCT.
		IL 159 & GLEN CROSSING
		IL 159 & I 270 S. JCT.
IL 159 & I 270 N. JCT.		
GODFREY	IL 3/111 & GERSON ST.	
	IL 100 & CLIFTON TERRACE	
HARTFORD	IL 3 & PIASA LANE	
	IL 3 & HAWTHORNE ST.	
MONROE	WATERLOO	IL 158/4TH ST. & MARKET
		MARKET ST. & 1ST ST.
RANDOLPH	SPARTA	IL 4 & MASONIC
ST. CLAIR	BELLEVILLE	IL 13 & FRANK SCOTT PKWY.
		IL 15 & SHRINE ENT.
	CAHOKIA	IL 15 & WESTFIELD PLAZA PARKWAY
		IL 3 & STOLLE RD.
	CENTREVILLE	IL 157 & ST. PAUL
		IL 13 & IL 157/163
	EAST SAINT LOUIS	79TH & ST. CLAIR AVE.
		MASCOUTAH
	O'FALLON	E. HWY. 50 & LINCOLN
		E. HWY. & SMILEY
SHILOH	E. HWY. 50 & N. SEVEN HILLS	
	SWANSEA	IL 151 & OLD IL 159
		IL 159 & HUNTWOOD



"IL 157 & MAIN (COLLINSVILLE, MADISON CNTY.) TRAFFIC SIGNAL PLANS"
 DETAIL
 HANDHOLE TO INTERCEPT EXISTING CONDUIT*

* NOT A PAY ITEM

NOTES:

- REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.
- THE CONTRACTOR SHALL BE PAID TO LOCATE THE CONDUIT UNDER OTHER PROVISIONS OF THIS CONTRACT. SEE LOCATING UNDERGROUND CABLE IN THE STANDARD SPECIFICATIONS.

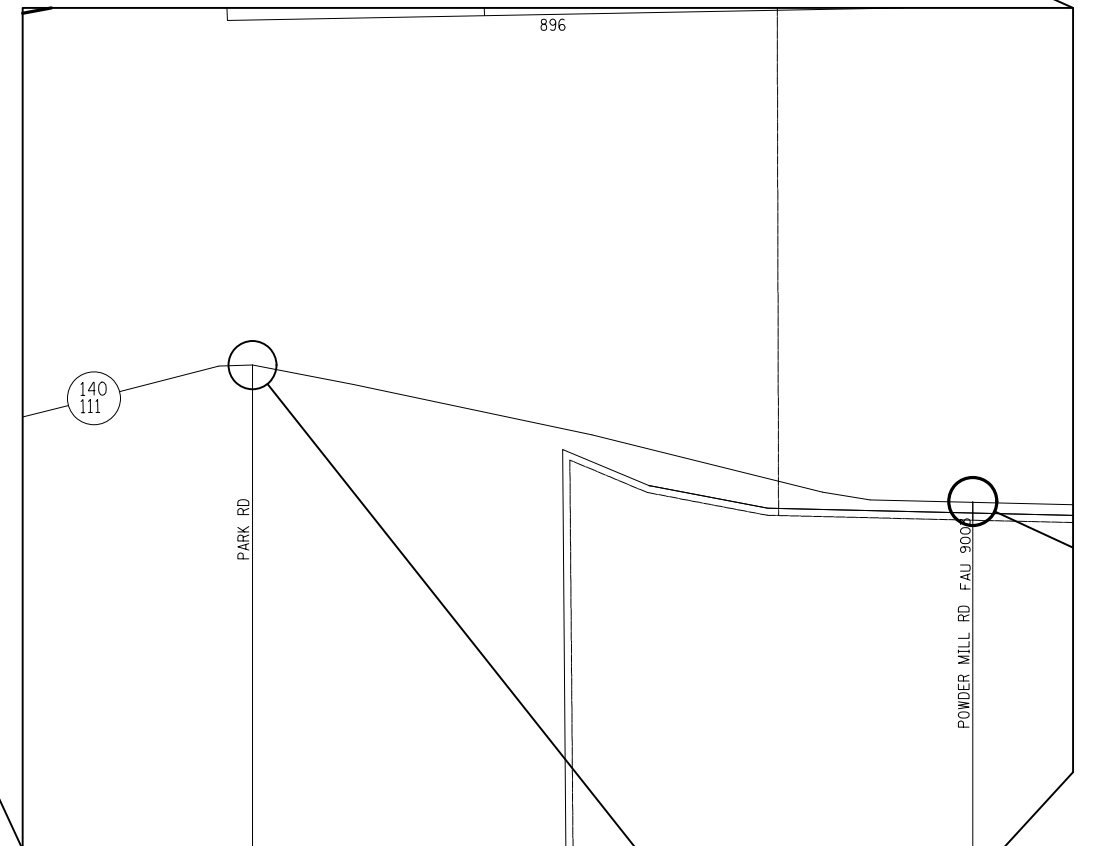
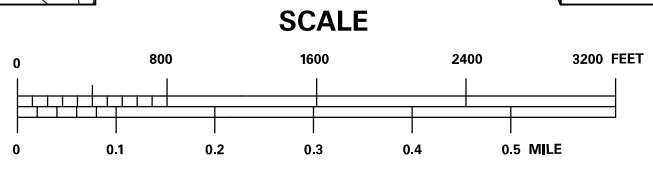
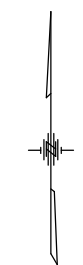
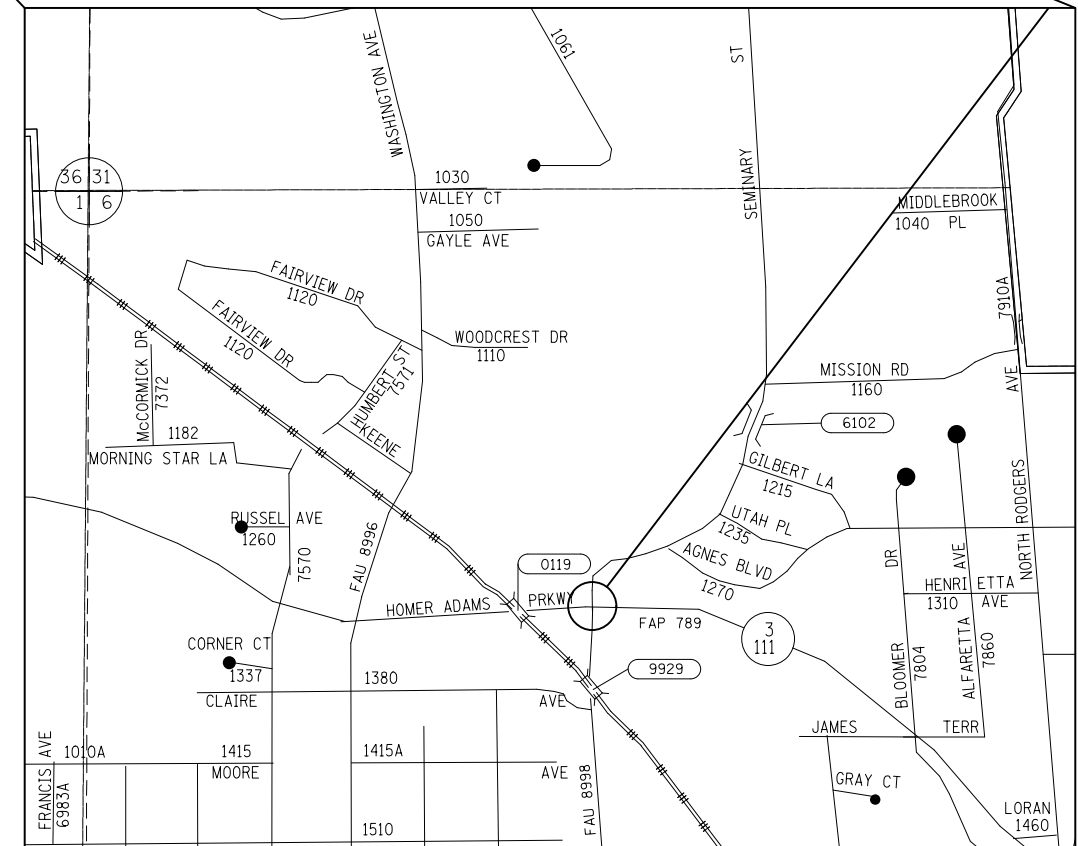
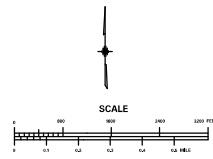
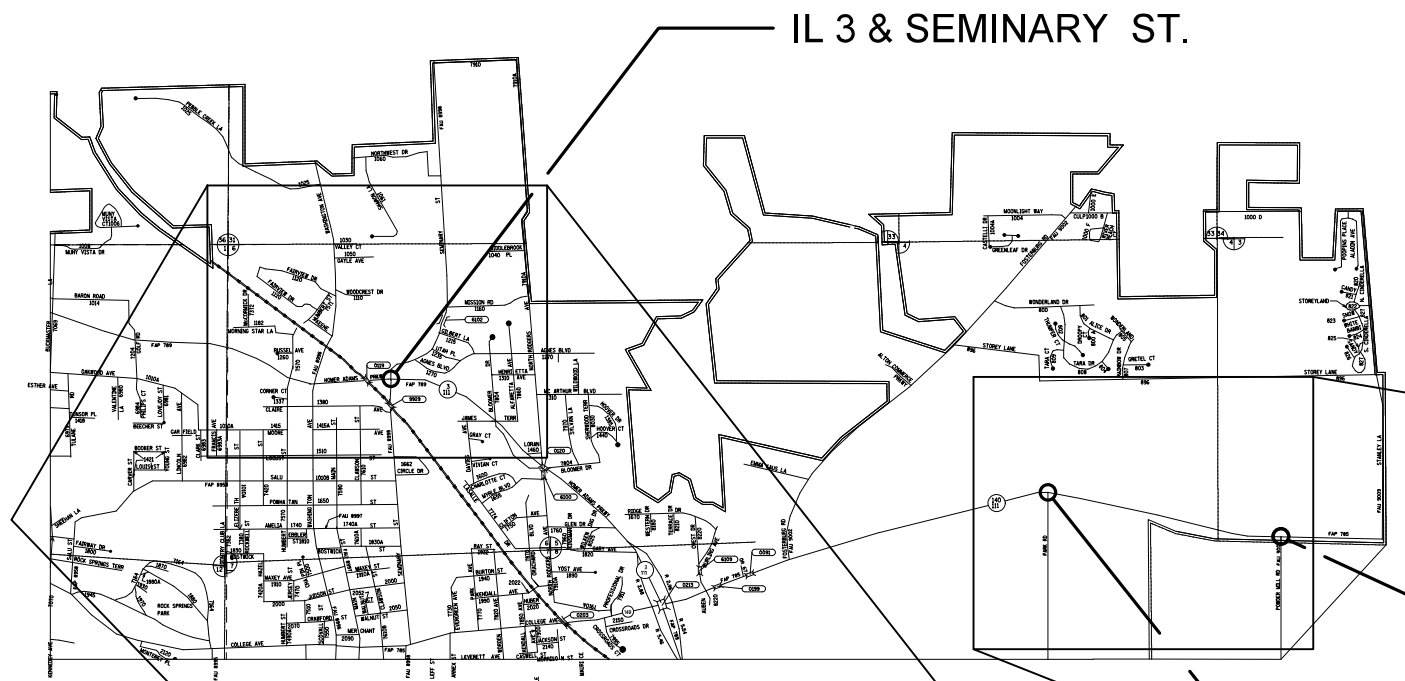
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PROJECT NO. = 100.0000	DATE = 8/13/2015	CHECKED -	REVISED -						*	Dist 8 TS 2015-1	*	91	2
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	**VARIOUS	CONTRACT NO. 76H77		
									FED. ROAD DIST. NO.		ILLINDISTED. A10 PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE-0021		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0021 90% FED 10% STATE	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10	
67100100	MOBILIZATION	L SUM	1	1	
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	35	35	
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	14	14	
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	17	17	
80300100	LOCATING UNDERGROUND CABLE	FOOT	302	302	
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	302	302	
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	13815	13815	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	12935	12935	
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	13	13	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	30	30	
87900200	DRILL EXISTING HANDHOLE	EACH	10	10	

SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE-0021		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0021 90% FED 10% STATE	
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	24	24	
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	16	16	
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	17	17	
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	4	
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	12	12	
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	34	34	
88040280	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	6	6	
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4	4	
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	4	4	
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	7	7	

* SPECIALTY ITEM



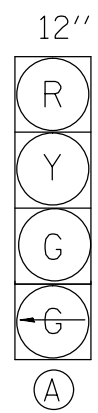
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

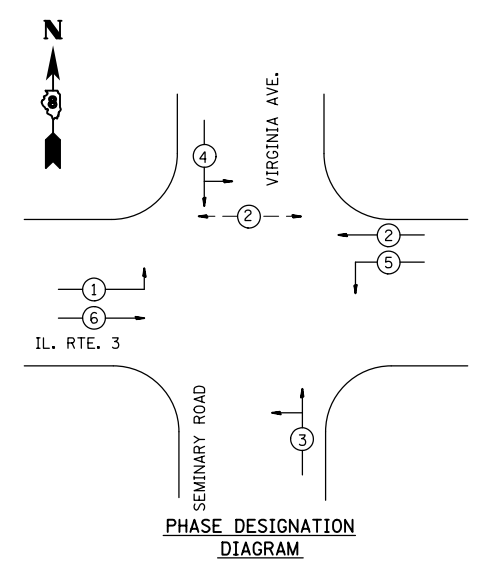
**LOCATION MAP
ALTON, MADISON CNTY.**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	5
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

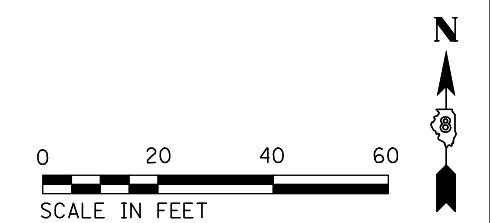
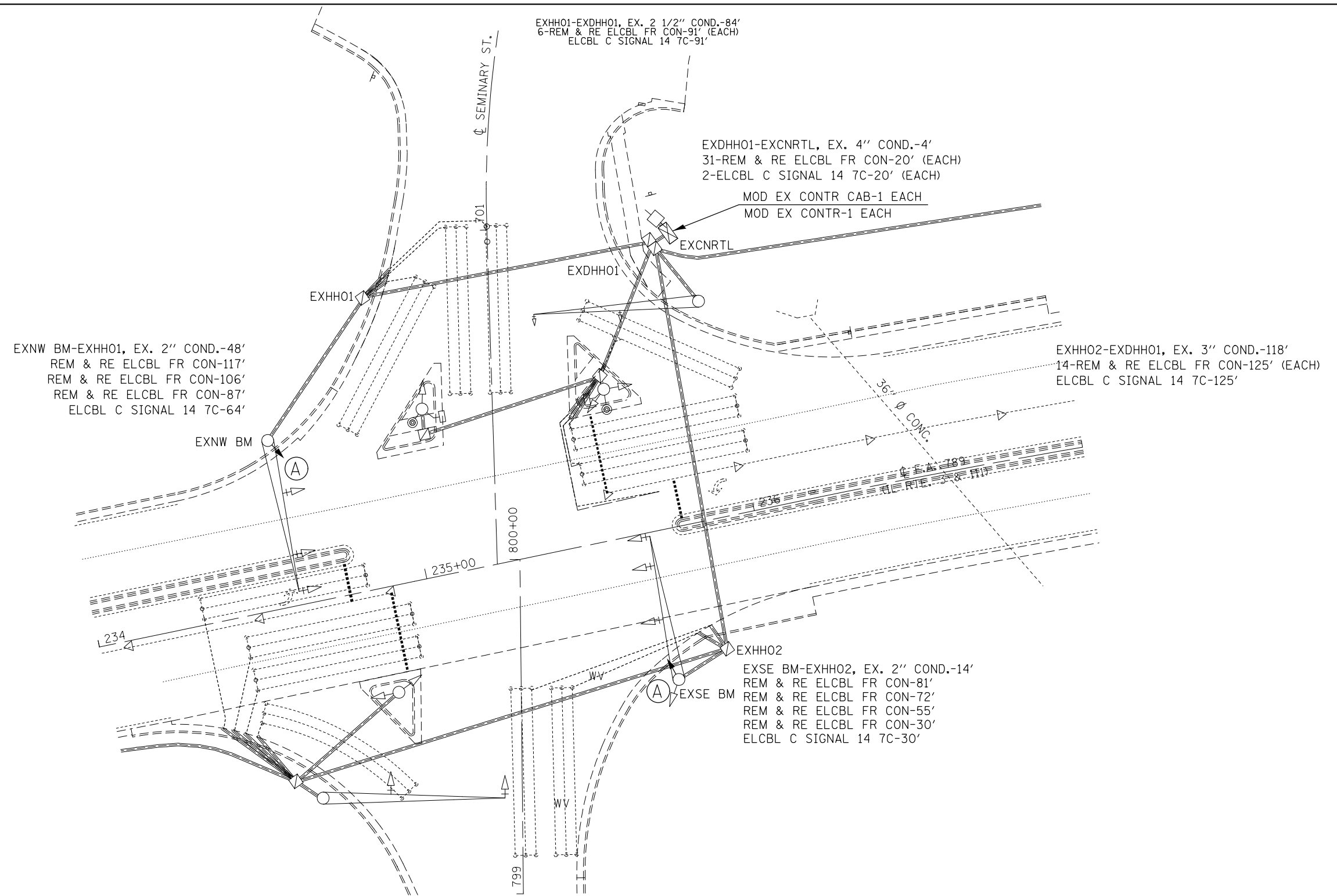


FULL-ACTUATED CONTROLLER, SPECIAL SEQUENCE
8 PHASES, IN TYPE IV CABINET

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

* PEDESTRIAN SIGNALS UPON ACTUATION ONLY

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	348
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-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	3634




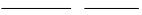
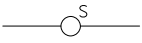
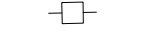
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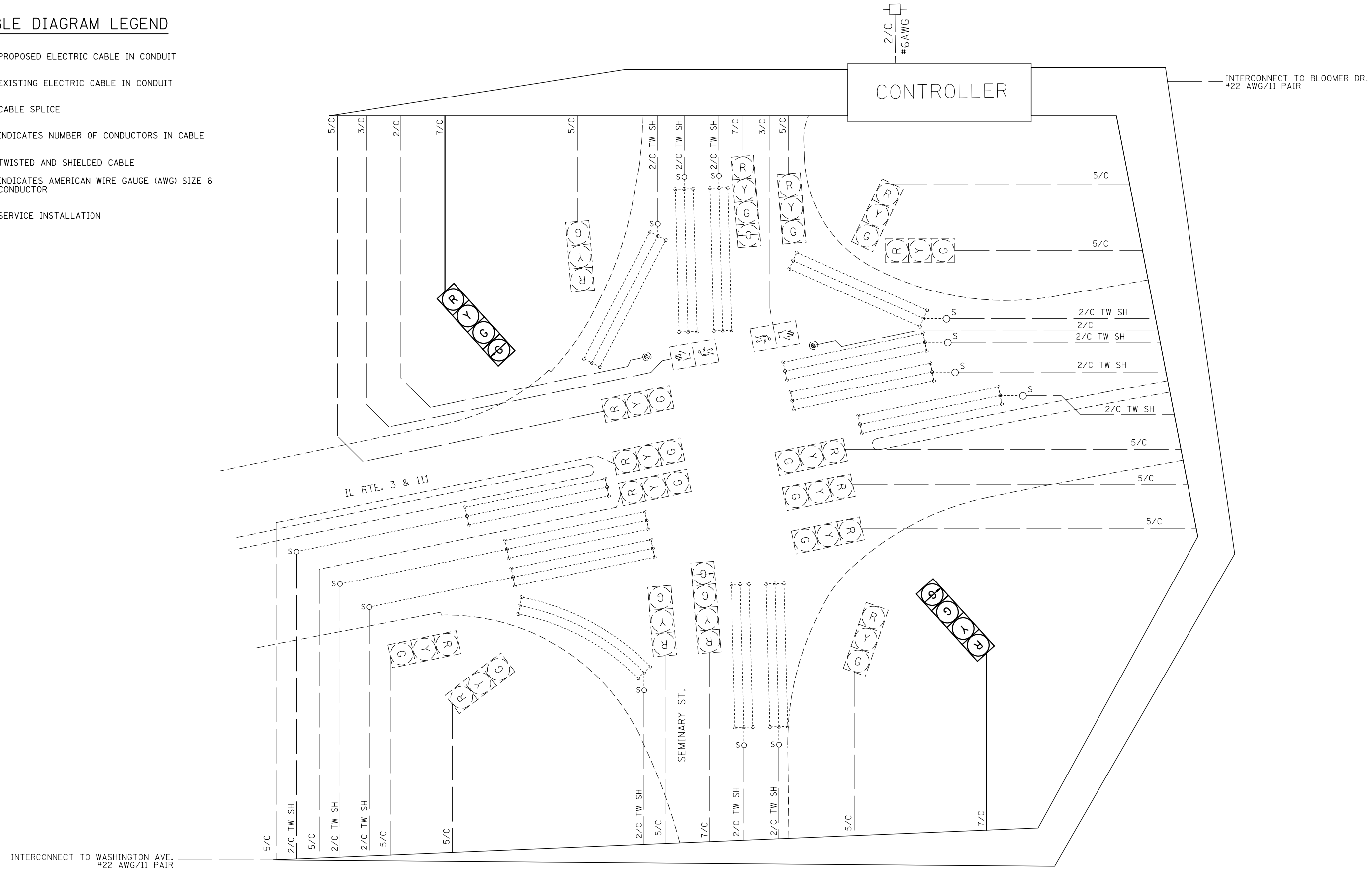
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 3 & SEMINARY (ALTON, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	6
* = 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



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	PLOT DATE = 9/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

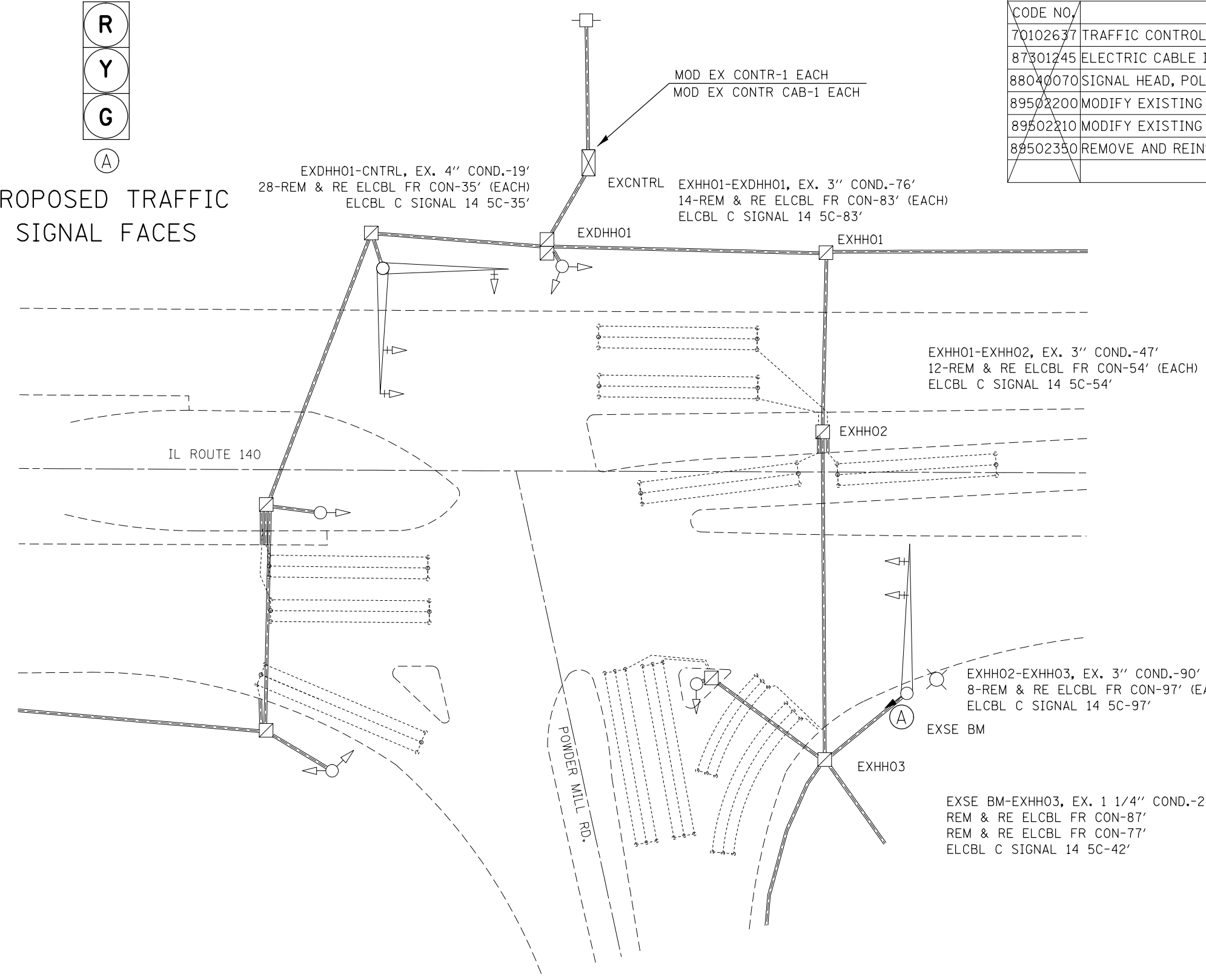
**IL 3 & SEMINARY (ALTON, MADISON CNTY.)
CABLE DIAGRAM**

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

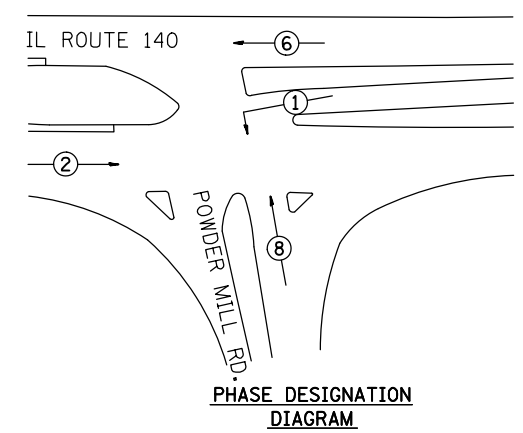
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•	DIST 8 TS 2015-1	•	91	7
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12''
 R
 Y
 G
 A

PROPOSED TRAFFIC SIGNAL FACES



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	311
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-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	3730

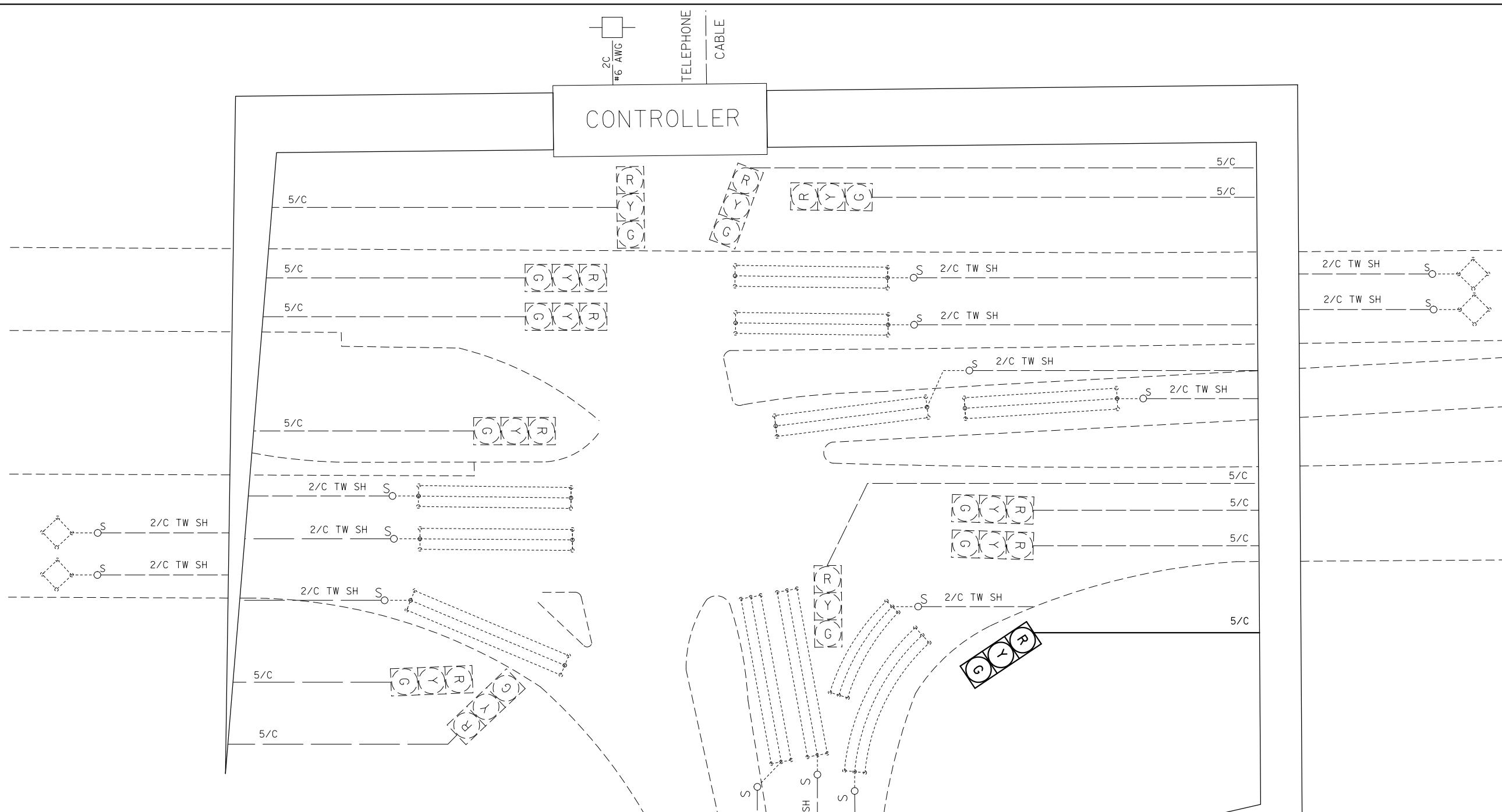


EXISTING FULL-ACTUATED CONTROLLER

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				1 OR 2		NONE





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

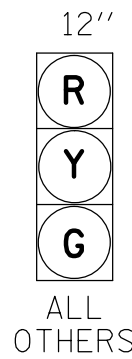
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 140 & POWDER MILL (ALTON, MADISON CNTY.)
CABLE DIAGRAM**

SHEET NO. OF SHEETS STA. TO STA.

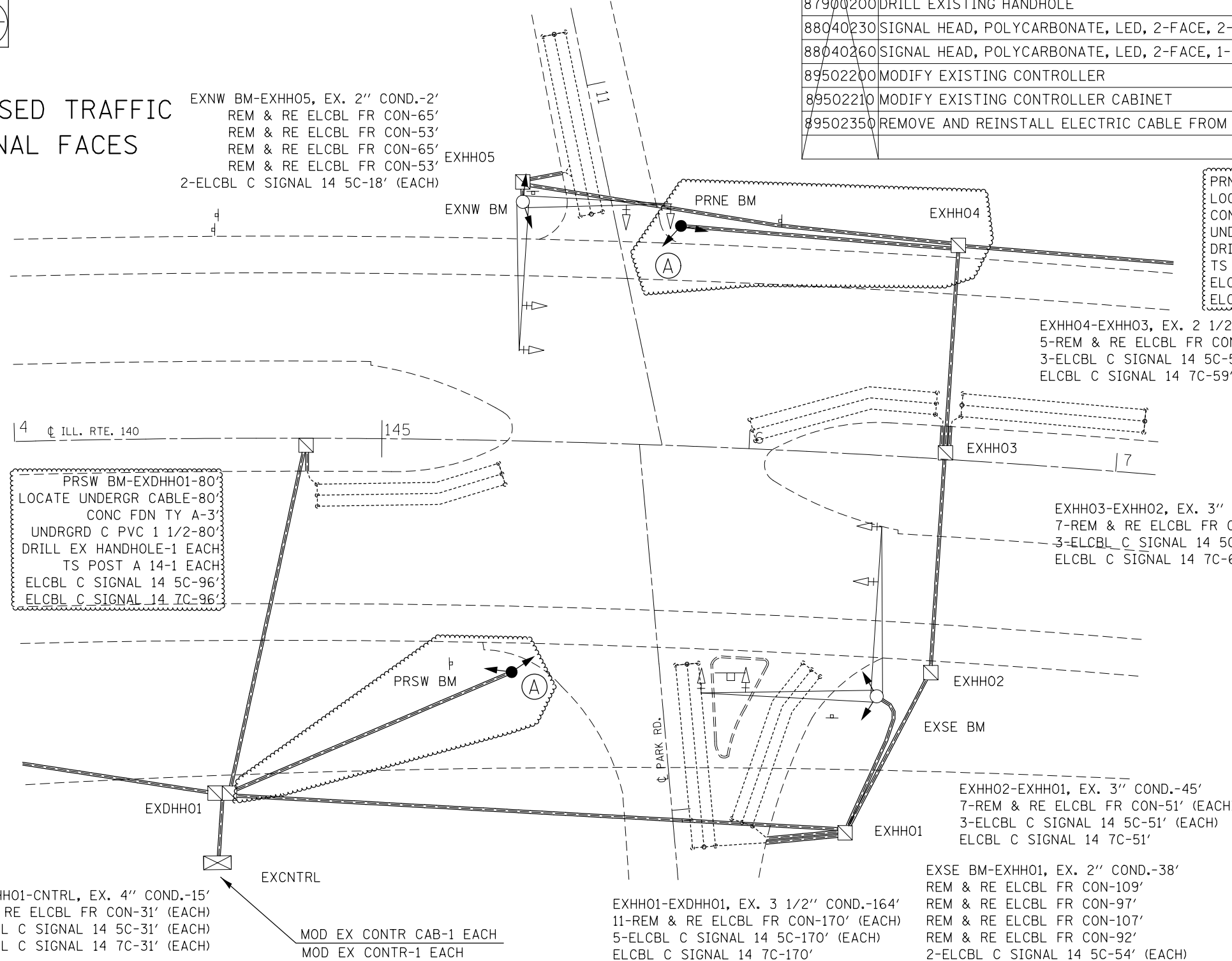
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	9
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

EXNW BM-EXHH05, EX. 2" COND.-2'
 REM & RE ELCBL FR CON-65'
 REM & RE ELCBL FR CON-53'
 REM & RE ELCBL FR CON-65'
 REM & RE ELCBL FR CON-53'
 2-ELCBL C SIGNAL 14 5C-18' (EACH)

EXHH05-EXHH04, EX. 2" COND.-116'
 5-REM & RE ELCBL FR CON-122' (EACH)
 2-ELCBL C SIGNAL 14 5C-122' (EACH)



PRSW BM-EXDHH01-80
 LOCATE UNDERGR CABLE-80
 CONC FDN TY A-3
 UNDRGRD C PVC 1 1/2-80
 DRILL EX HANDHOLE-1 EACH
 TS POST A 14-1 EACH
 ELCBL C SIGNAL 14 5C-96
 ELCBL C SIGNAL 14 7C-96

PRNE BM-EXHH04-72'
 LOCATE UNDERGR CABLE-72'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-72'
 DRILL EX HANDHOLE-1 EACH
 TS POST A 14-1 EACH
 ELCBL C SIGNAL 14 5C-88'
 ELCBL C SIGNAL 14 7C-88'

EXHH04-EXHH03, EX. 2 1/2" COND.-53'
 5-REM & RE ELCBL FR CON-59' (EACH)
 3-ELCBL C SIGNAL 14 5C-59' (EACH)
 ELCBL C SIGNAL 14 7C-59'

EXHH03-EXHH02, EX. 3" COND.-56'
 7-REM & RE ELCBL FR CON-63' (EACH)
 3-ELCBL C SIGNAL 14 5C-63' (EACH)
 ELCBL C SIGNAL 14 7C-63'

EXHH02-EXHH01, EX. 3" COND.-45'
 7-REM & RE ELCBL FR CON-51' (EACH)
 3-ELCBL C SIGNAL 14 5C-51' (EACH)
 ELCBL C SIGNAL 14 7C-51'

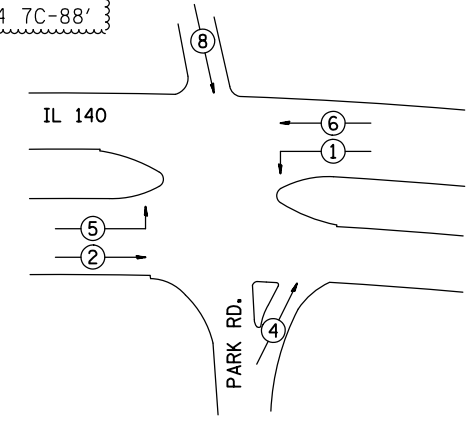
EXSE BM-EXHH01, EX. 2" COND.-38'
 REM & RE ELCBL FR CON-109'
 REM & RE ELCBL FR CON-97'
 REM & RE ELCBL FR CON-107'
 REM & RE ELCBL FR CON-92'
 2-ELCBL C SIGNAL 14 5C-54' (EACH)

EXDHH01-CNTRL, EX. 4" COND.-15'
 18-REM & RE ELCBL FR CON-31' (EACH)
 6-ELCBL C SIGNAL 14 5C-31' (EACH)
 2-ELCBL C SIGNAL 14 7C-31' (EACH)

MOD EX CONTR CAB-1 EACH
 MOD EX CONTR-1 EACH

EXHH01-EXDHH01, EX. 3 1/2" COND.-164'
 11-REM & RE ELCBL FR CON-170' (EACH)
 5-ELCBL C SIGNAL 14 5C-170' (EACH)
 ELCBL C SIGNAL 14 7C-170'

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	152
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	152
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2127
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	589
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	2
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 2-3-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	4772



PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER

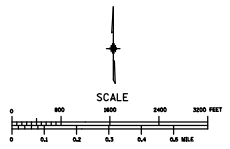
EXISTING SEQUENCE OF OPERATION

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

PHASES 4 AND 8 SHALL BE TIMED CORRECTLY

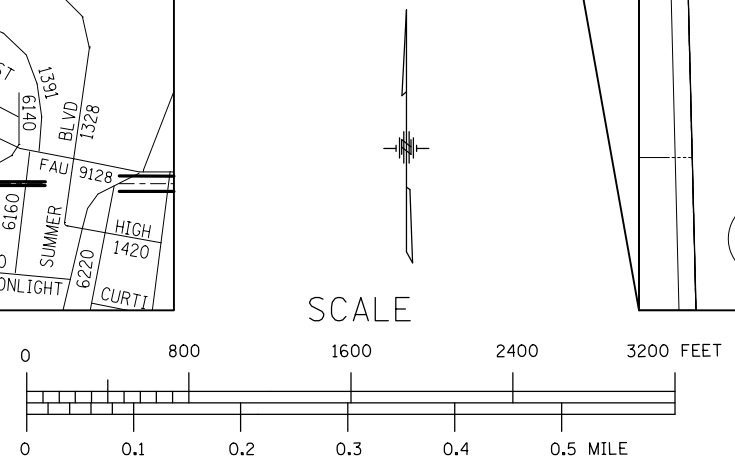
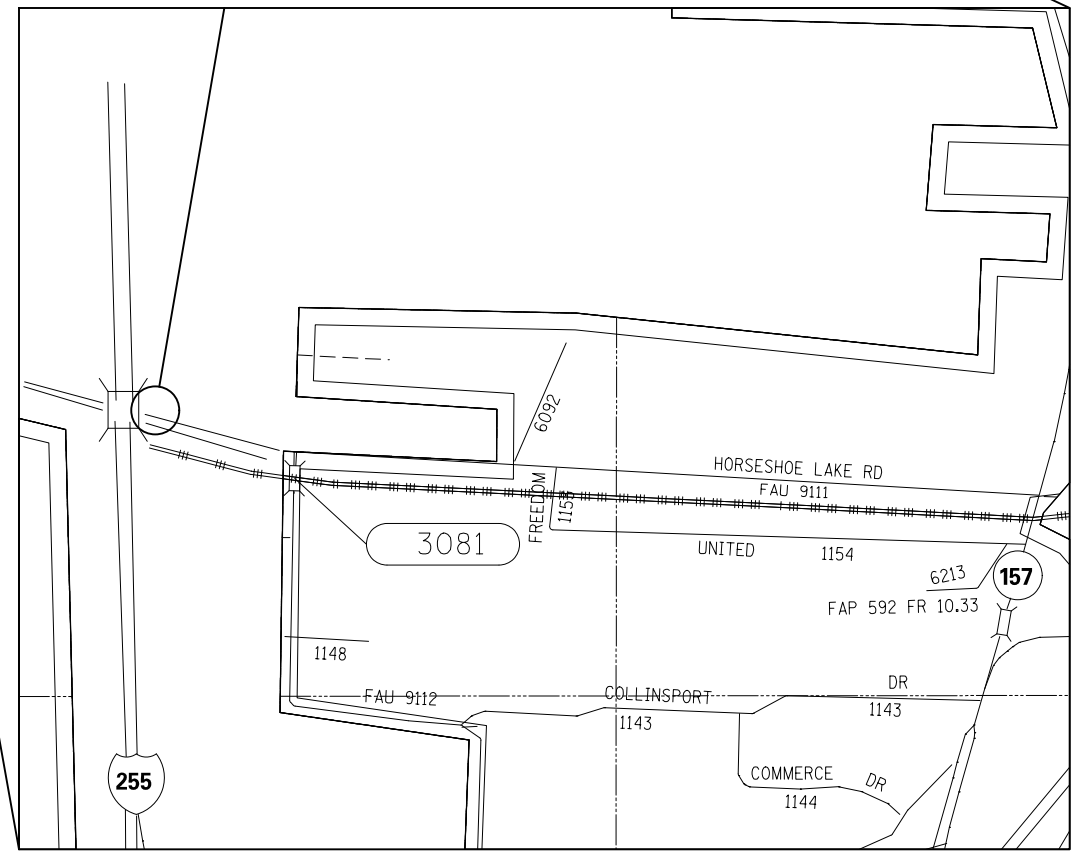
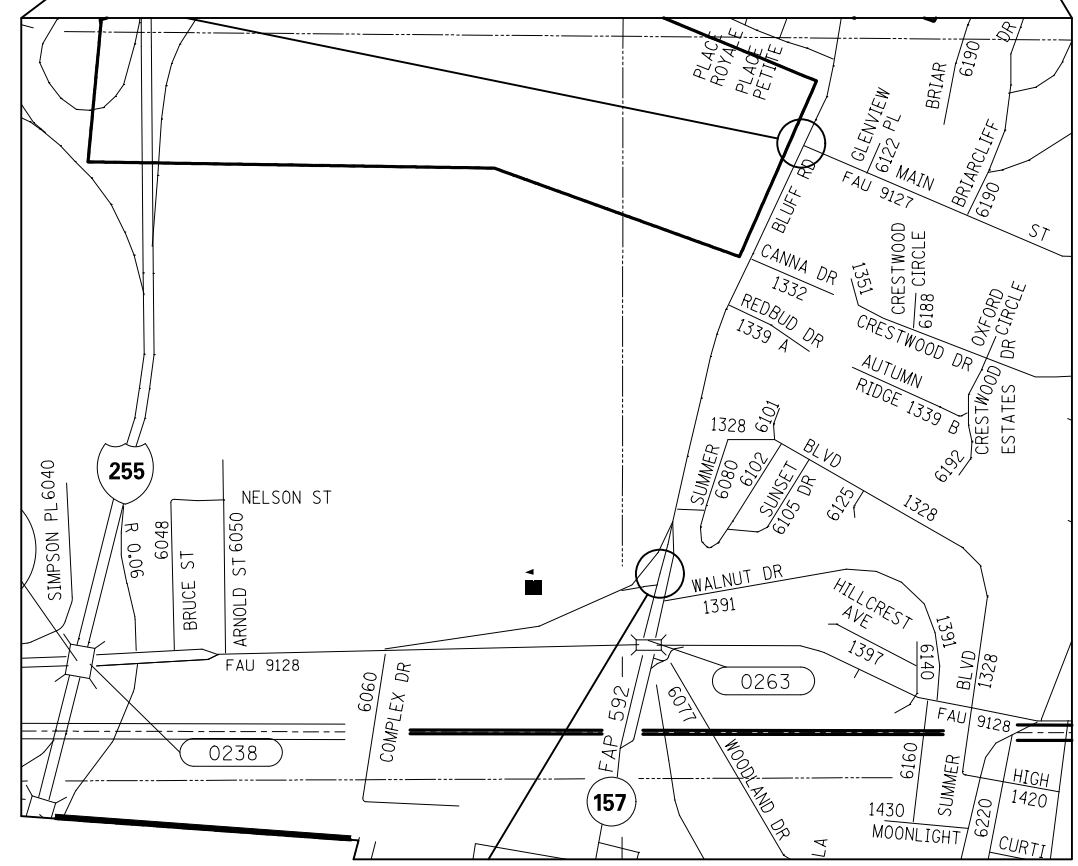
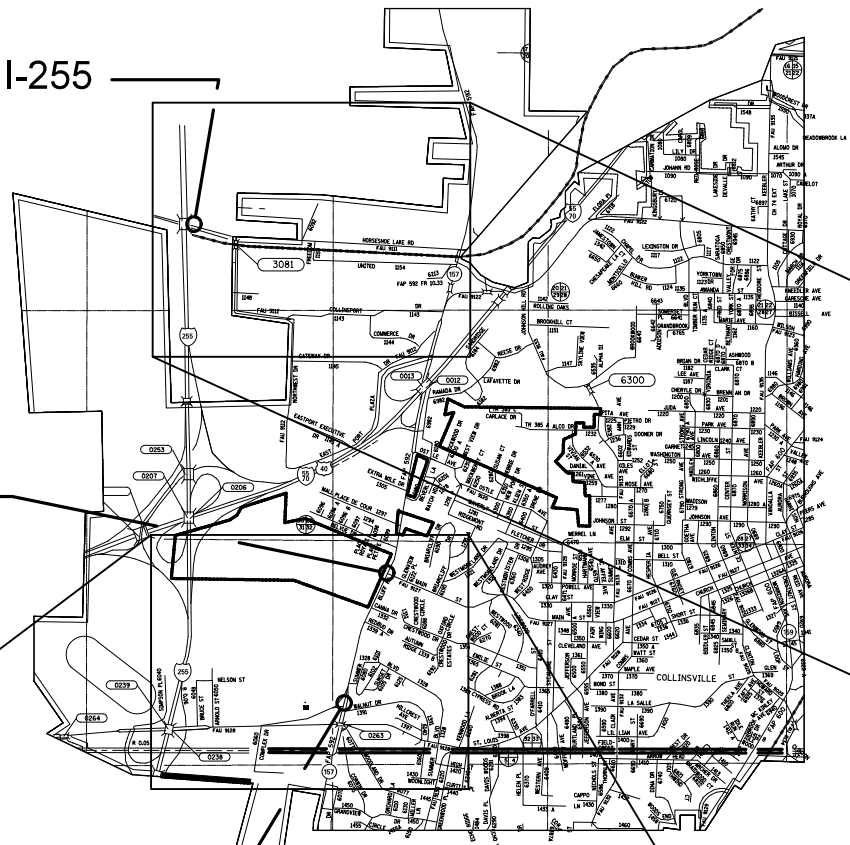


HORSESHOE LAKE & I-255



IL 157 & OLD COLLINSVILLE RD.

IL 157 & MAIN



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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
COLLINSVILLE, MADISON CNTY.

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	12
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

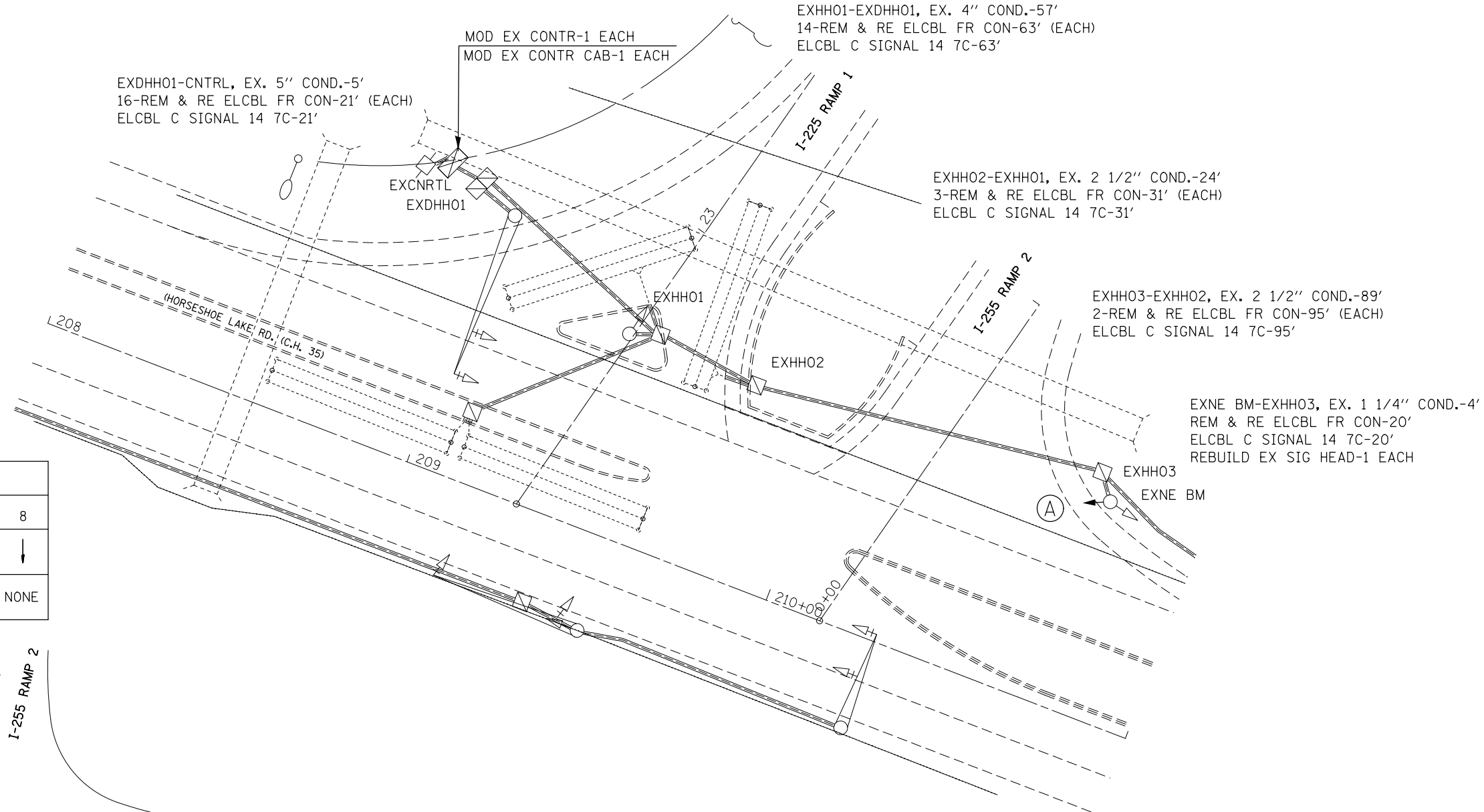
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(A)

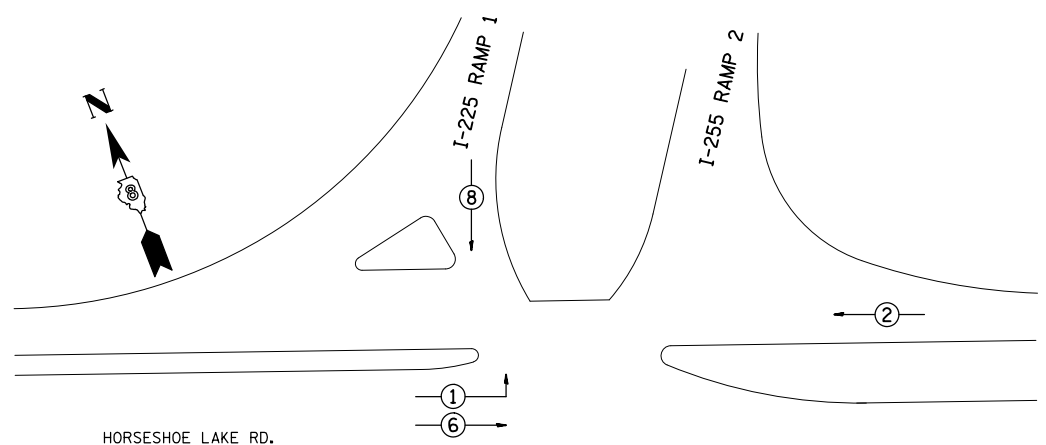
PROPOSED TRAFFIC SIGNAL FACES

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	230
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
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	1521



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				1 OR 2		NONE



PHASE DESIGNATION DIAGRAM



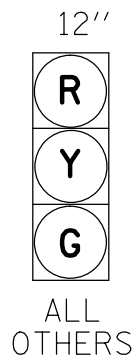
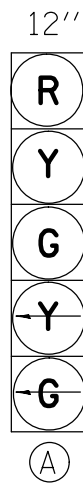
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORSESHOE LAKE RD. & I-255 (COLLINSVILLE, MADISON CNTY.)
TRAFFIC SIGNAL PLANS

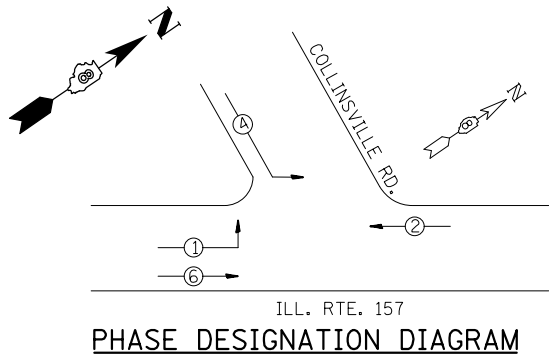
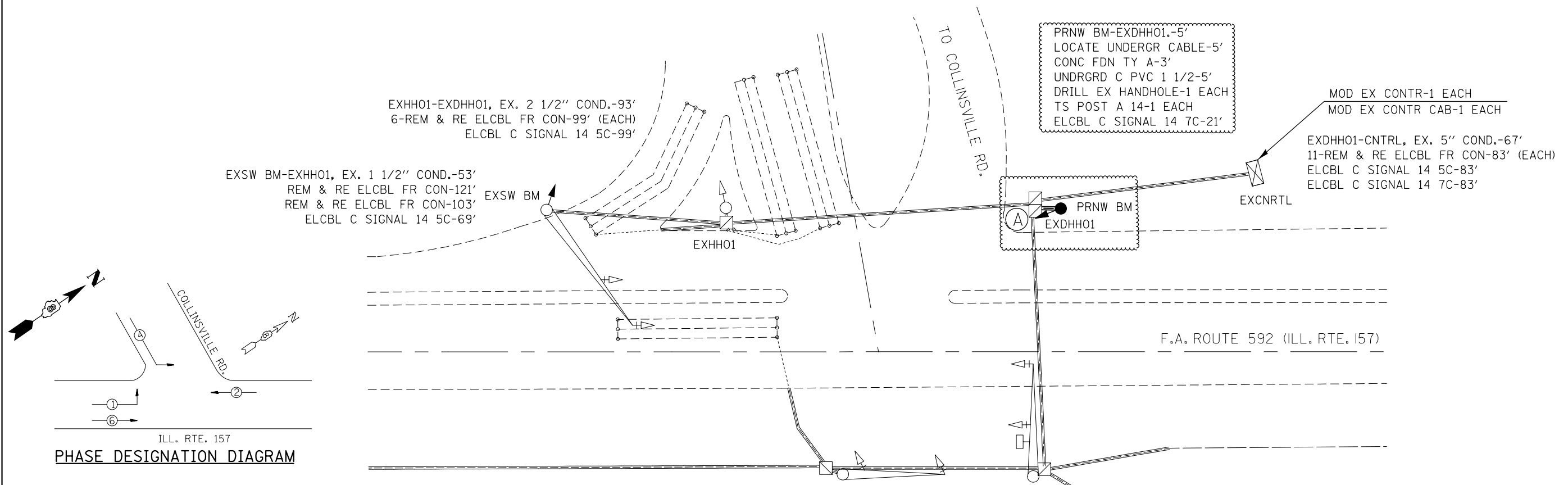
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	13
**VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

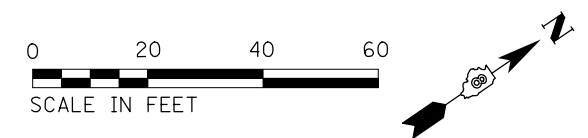
SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	5
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	5
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	251
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	104
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	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 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	1731




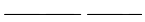
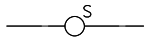

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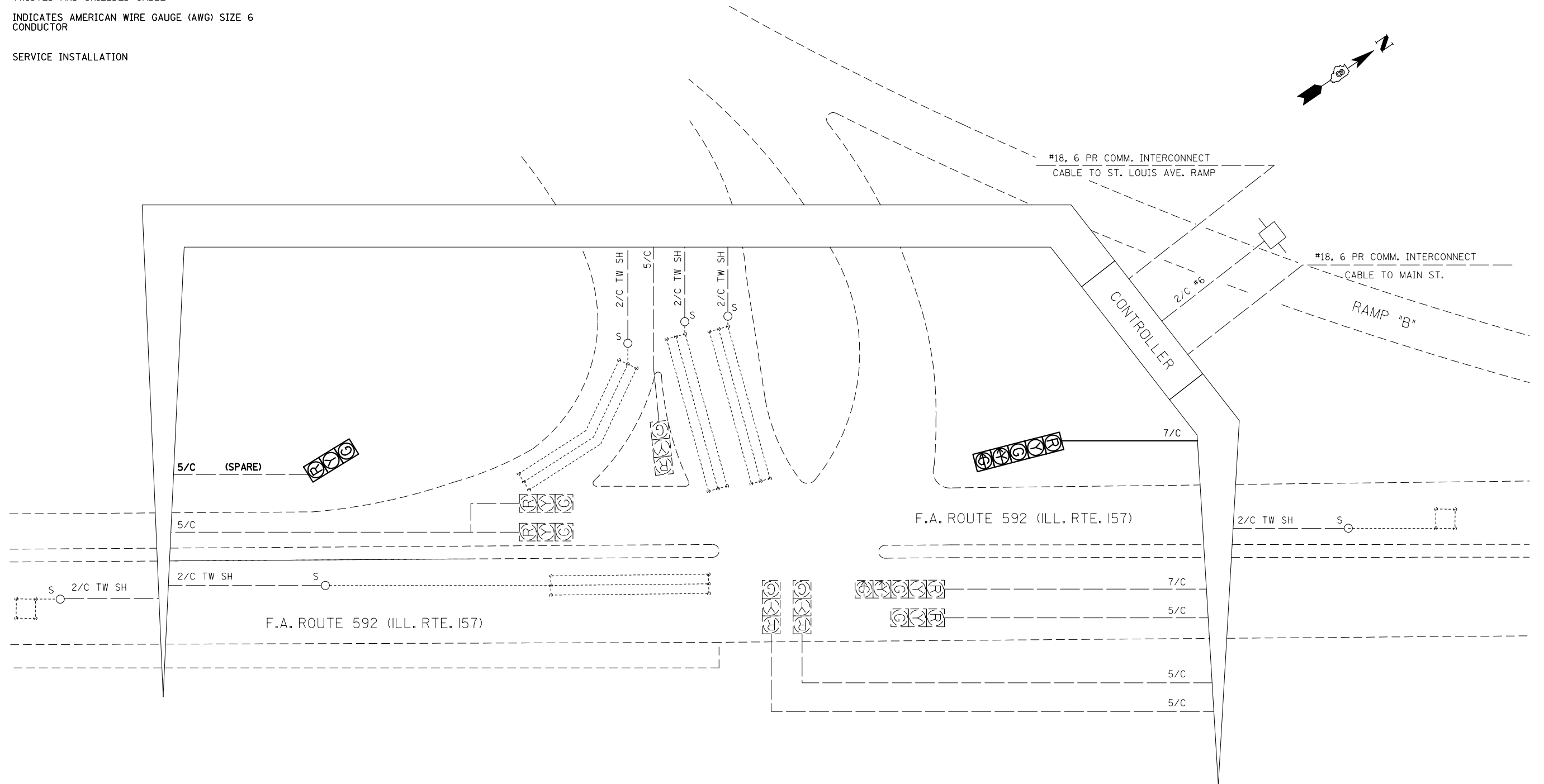
EXISTING SEQUENCE OF OPERATION

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



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



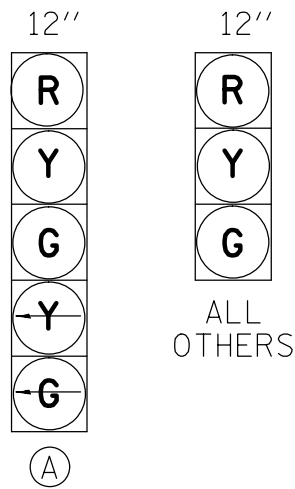
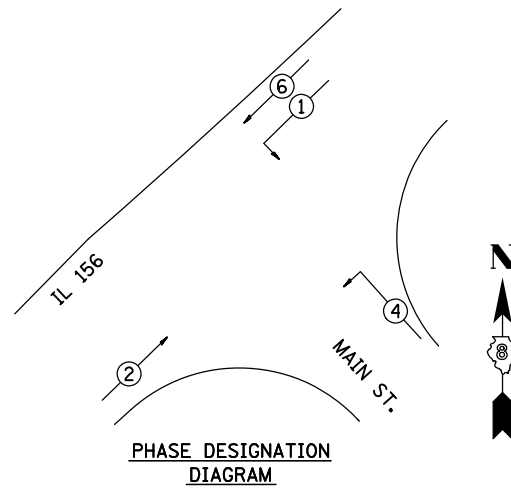
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 157 & OLD COLLINSVILLE RD. (COLLINSVILLE, MADISON CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2015-1	*	91	16
**=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

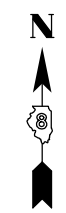
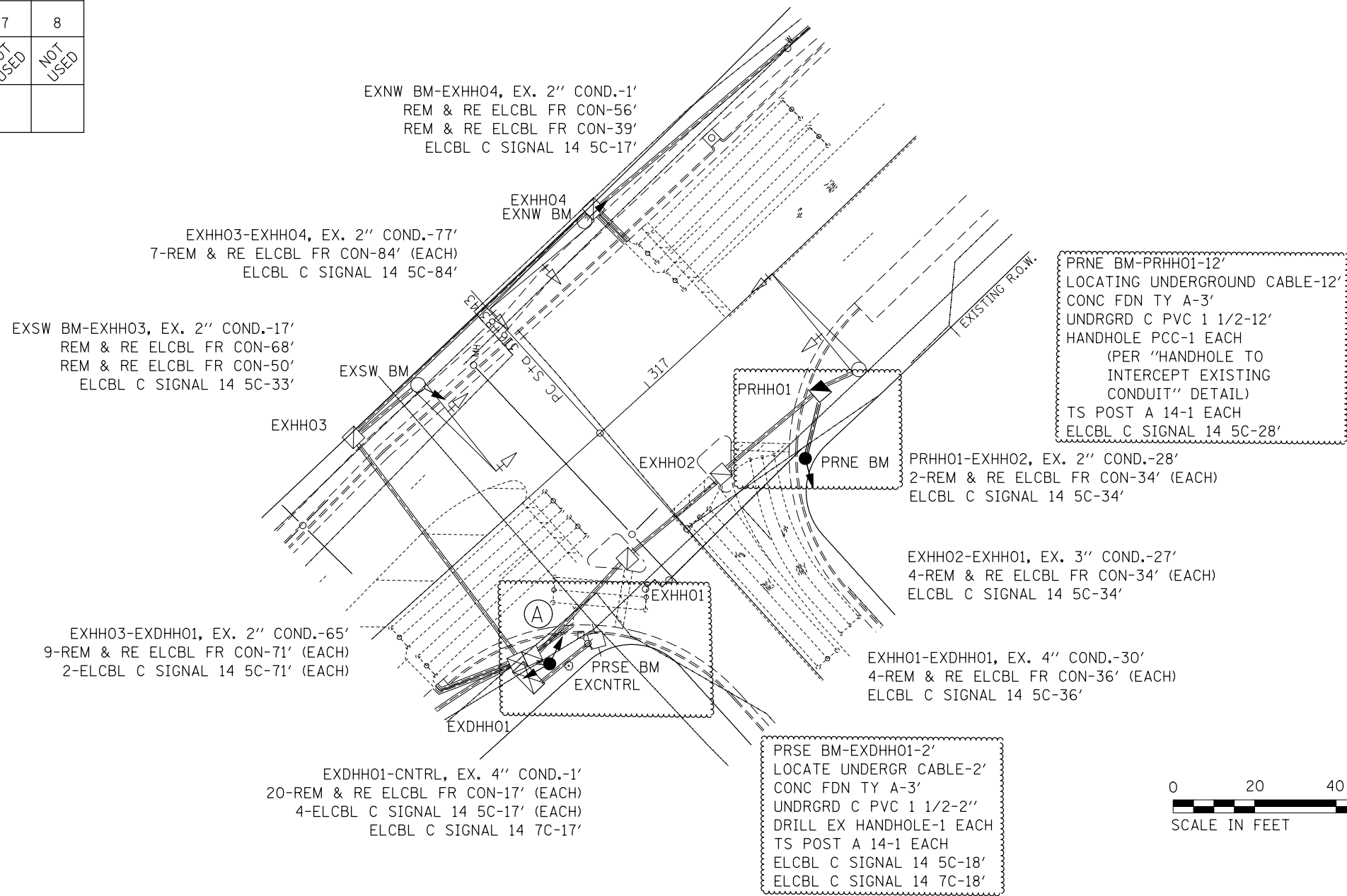


SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXISTING FULL-ACTUATED CONTROLLER

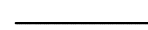
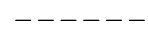
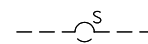

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	↑	NOT USED	←	NOT USED	↓	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	6	6		NONE		1 OR 2		

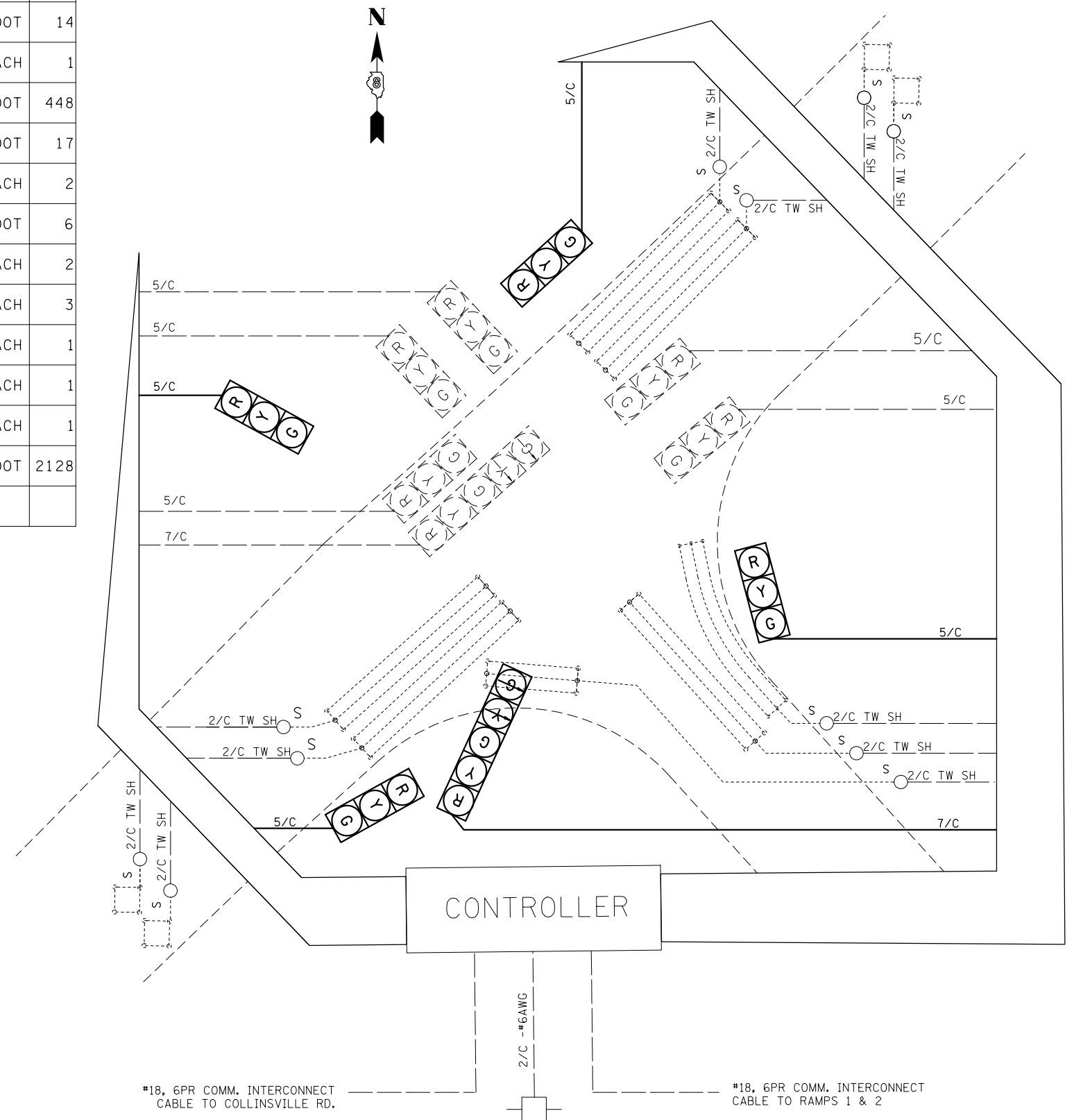
PROPOSED TRAFFIC SIGNAL FACES



SCHEDULE OF QUANTITIES				
CODE NO.	ITEM	UNIT	QTY.	
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1	
80300100	LOCATING UNDERGROUND CABLE	FOOT	14	
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	14	
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	448	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	17	
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6	
87900200	DRILL EXISTING HANDHOLE	EACH	2	
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	2128	

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



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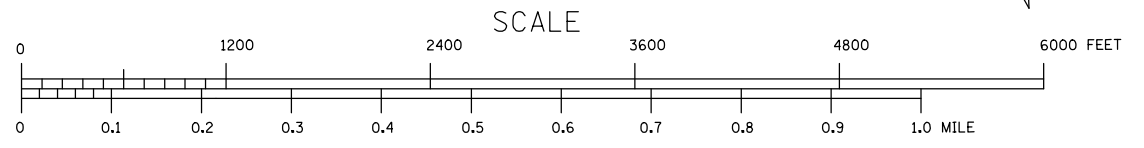
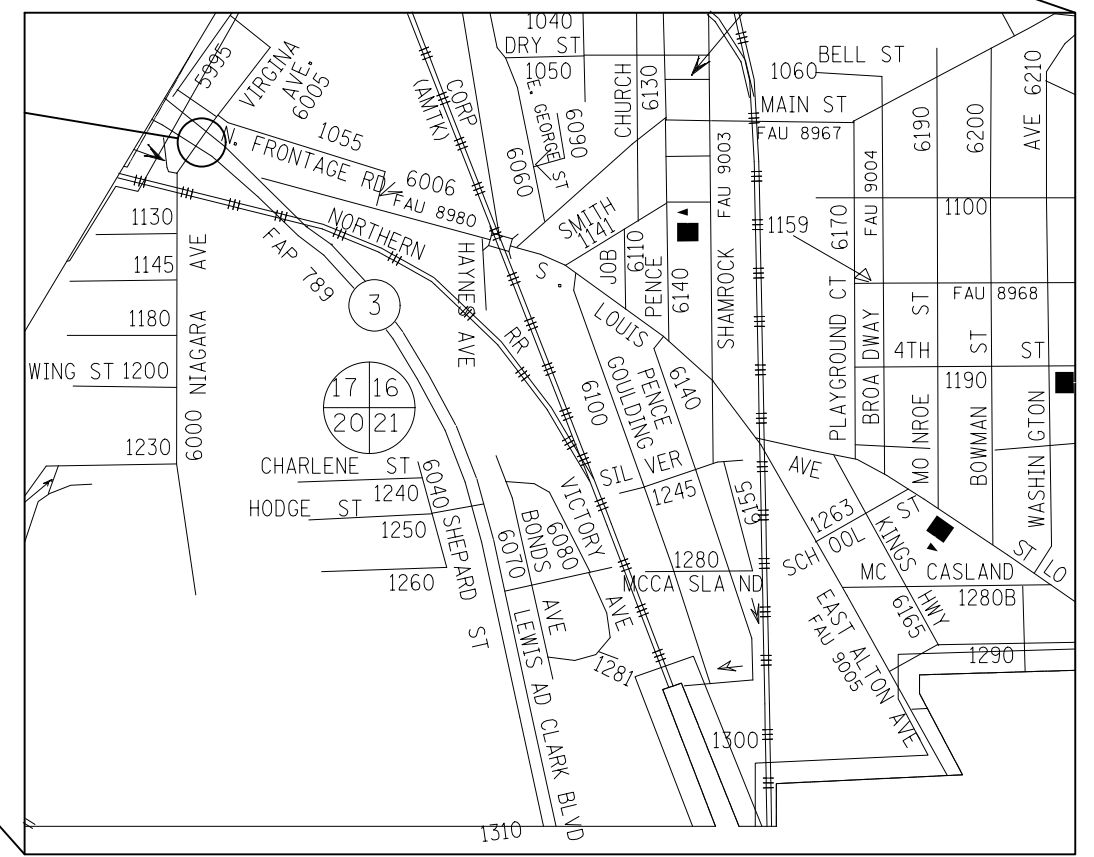
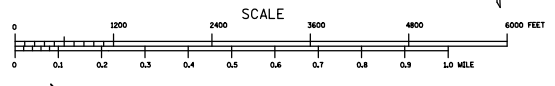
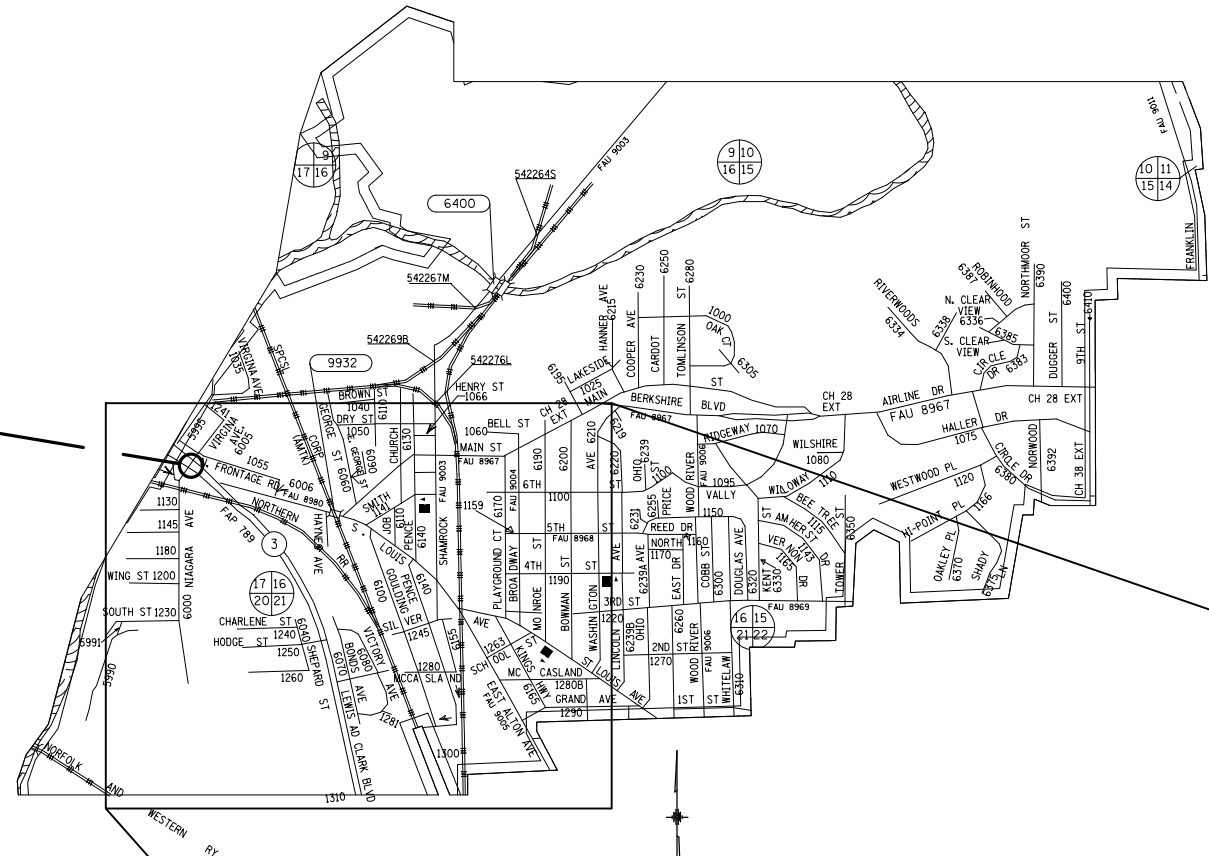
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 157 & MAIN (COLLINSVILLE, MADISON CNTY.)
CABLE DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	18
*VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

IL 3 & NIAGARA/VIRGINIA



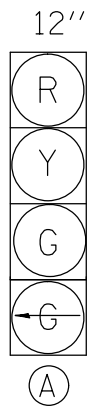
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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
EAST ALTON, MADISON CNTY.**

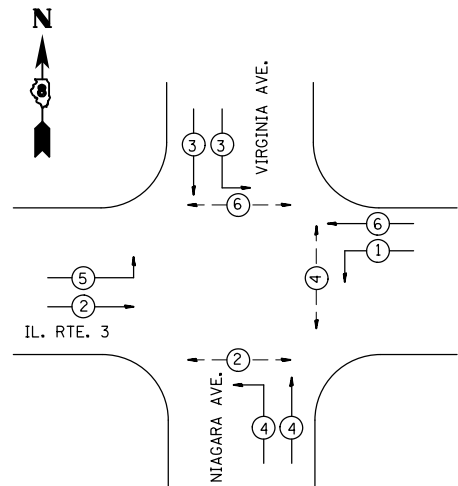
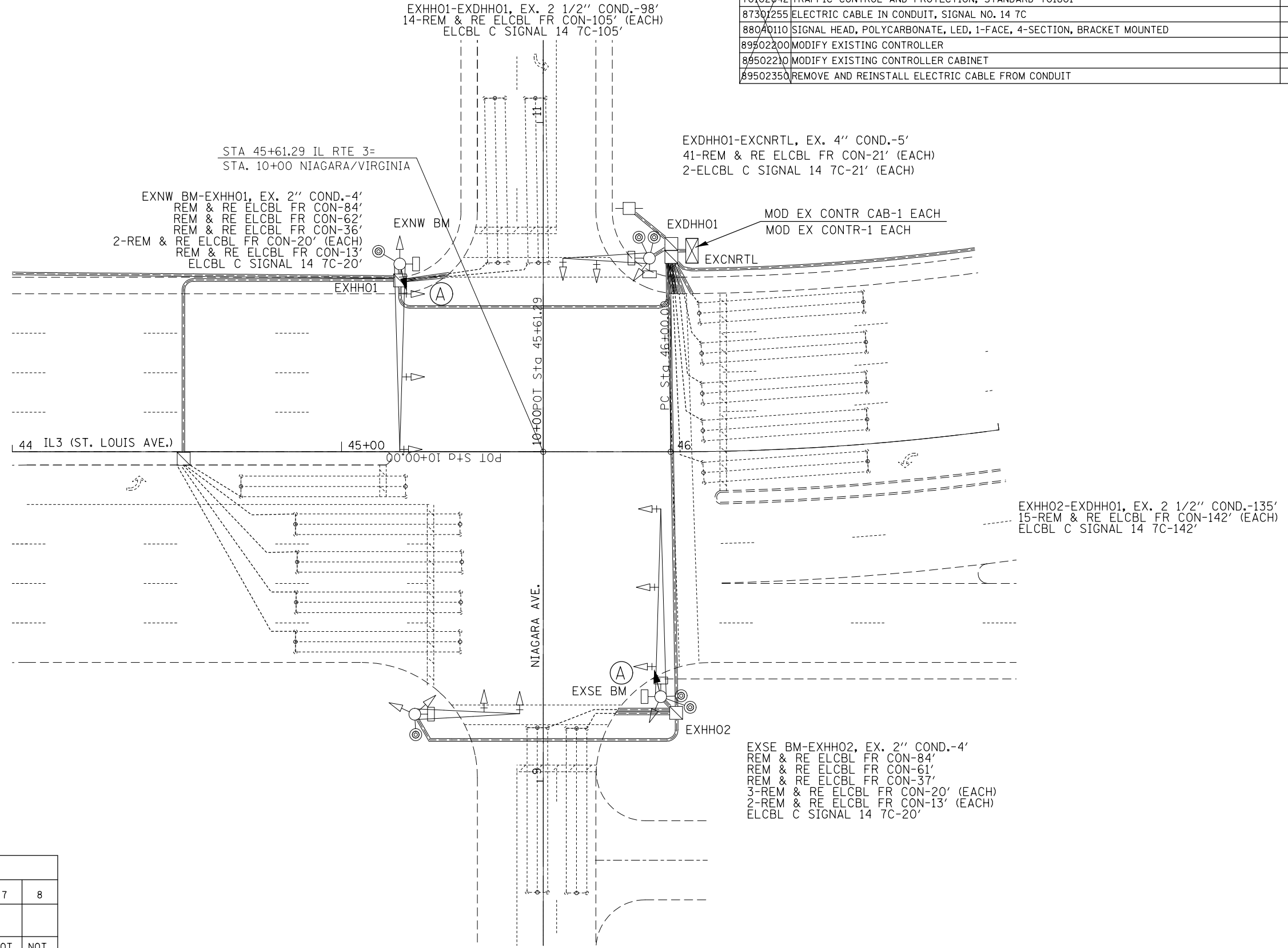
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	19
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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	302
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-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	4627

PROPOSED TRAFFIC SIGNAL FACES

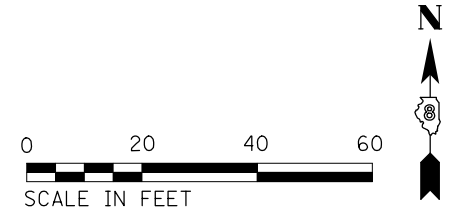


EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

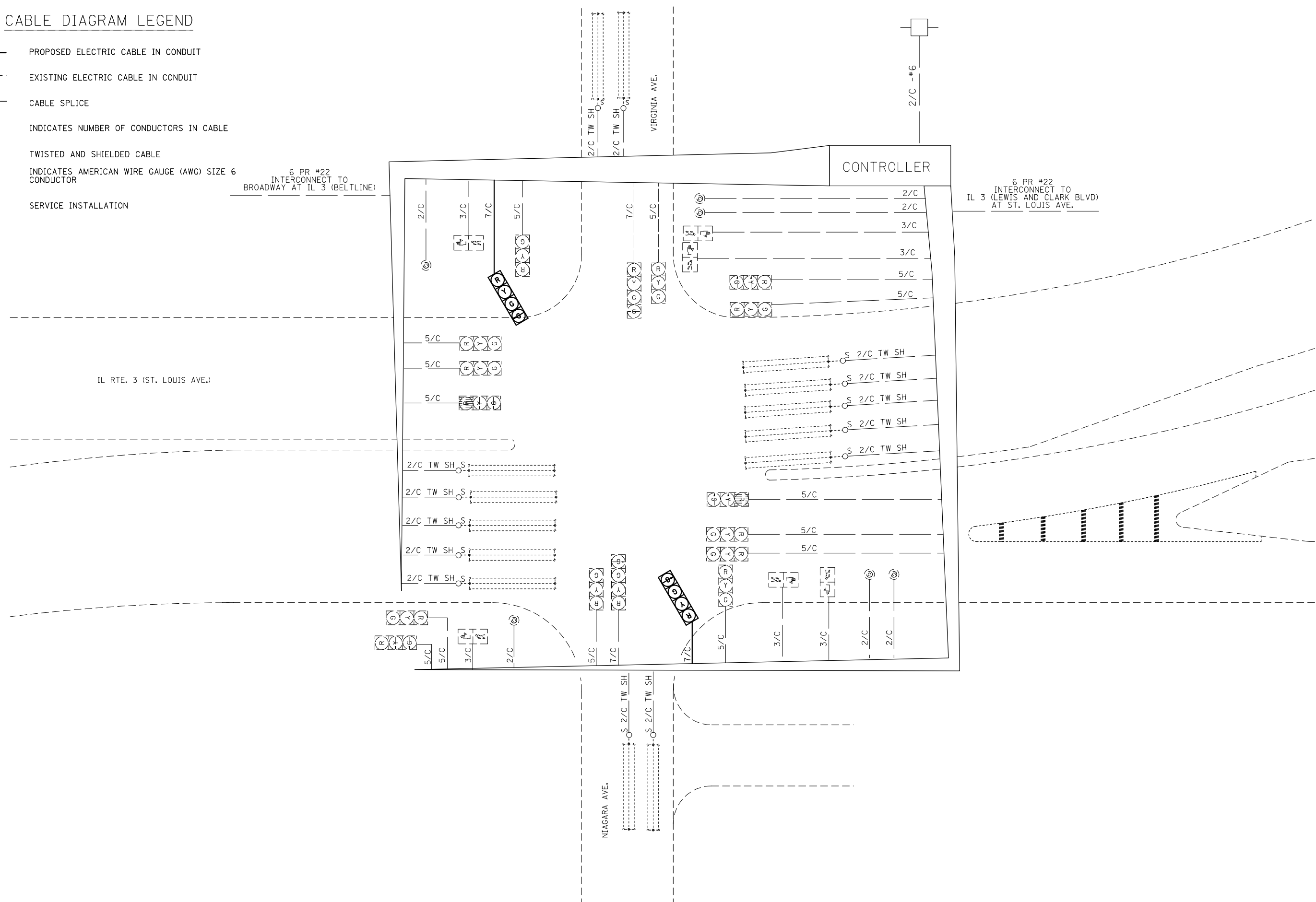
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	←	→	↓	↑	←	→		
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2	NOT USED	NOT USED

• PEDESTRIAN SIGNALS UPON ACTUATION ONLY



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ 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

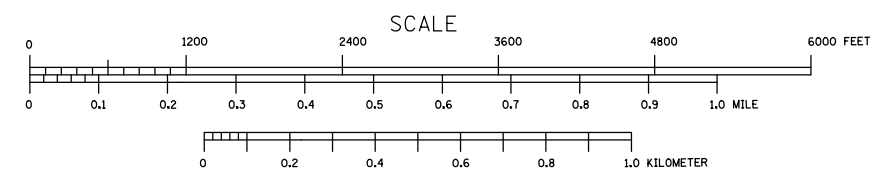
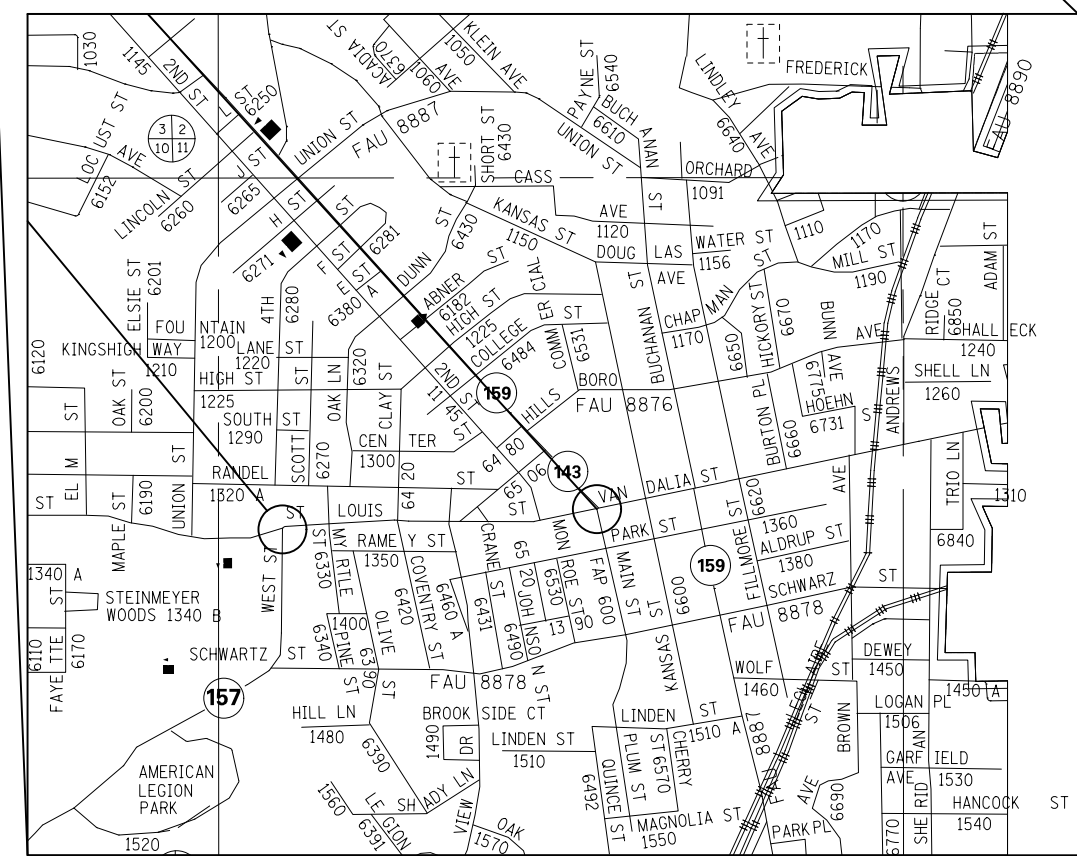
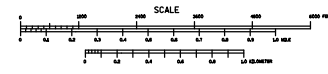
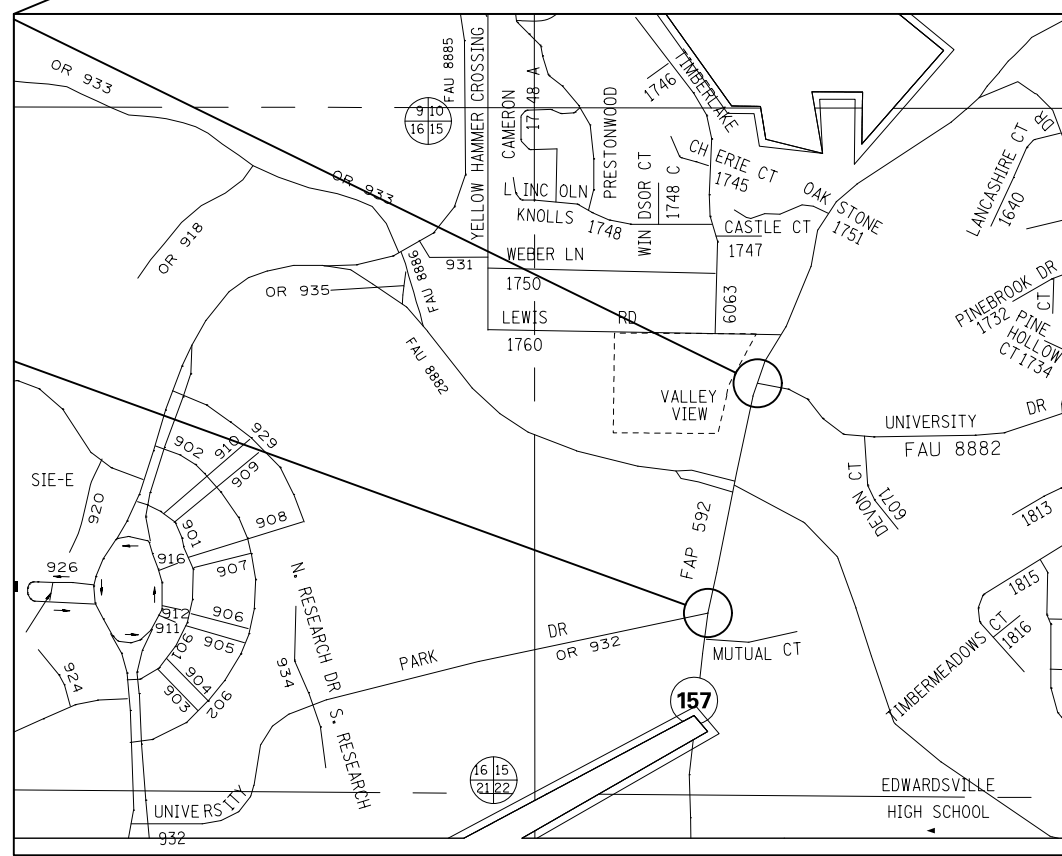
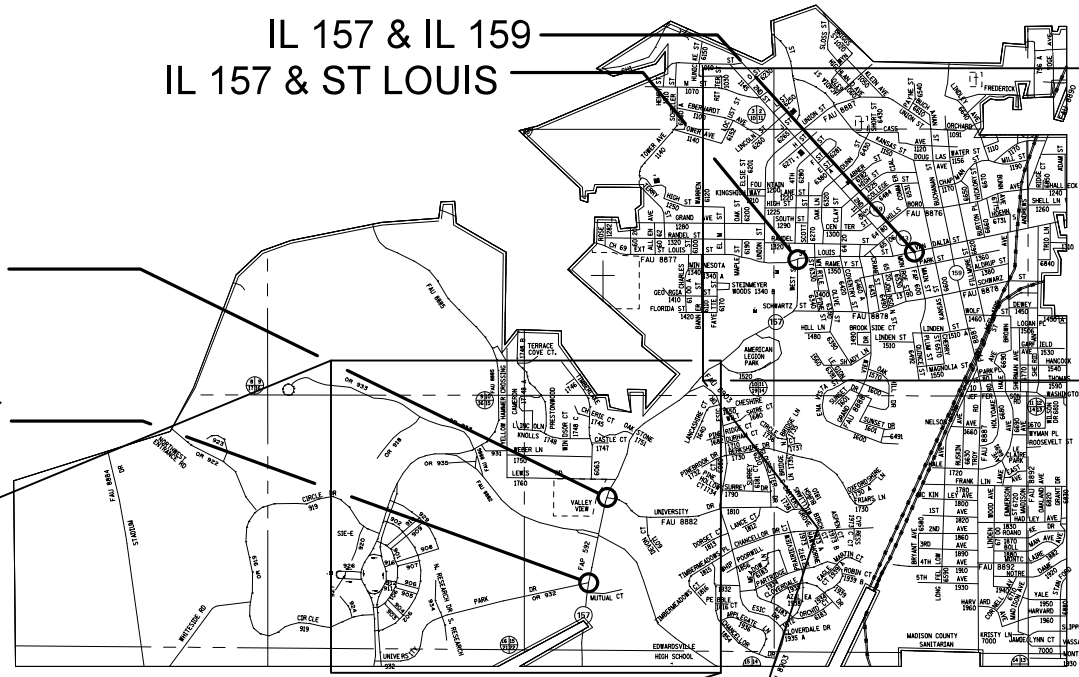


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PLOT DATE = 9/11/2015	DATE -	REVISED -	REVISED -		•=VARIOUS			CONTRACT NO. 76H77				
					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					

IL 157 & IL 159
 IL 157 & ST LOUIS

IL 157 &
 UNIVERSITY DR./LEWIS

IL 157 &
 UNIVERSITY PARK



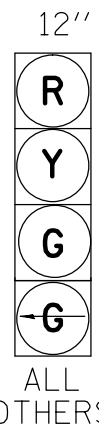
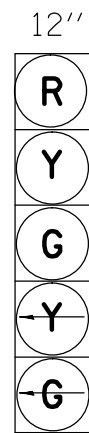
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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
 EDWARDSVILLE, MADISON CNTY.**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dig+ 8 TS 2015-1	•	91	22
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

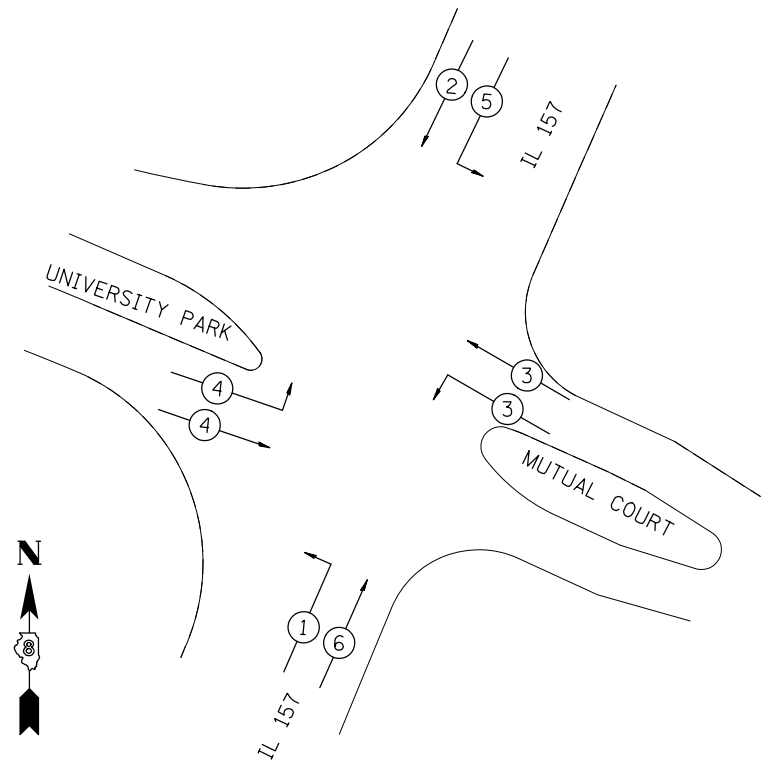


ALL OTHERS

(A)

PROPOSED TRAFFIC SIGNAL FACES

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	653
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
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	4187



PHASE DESIGNATION DIAGRAM

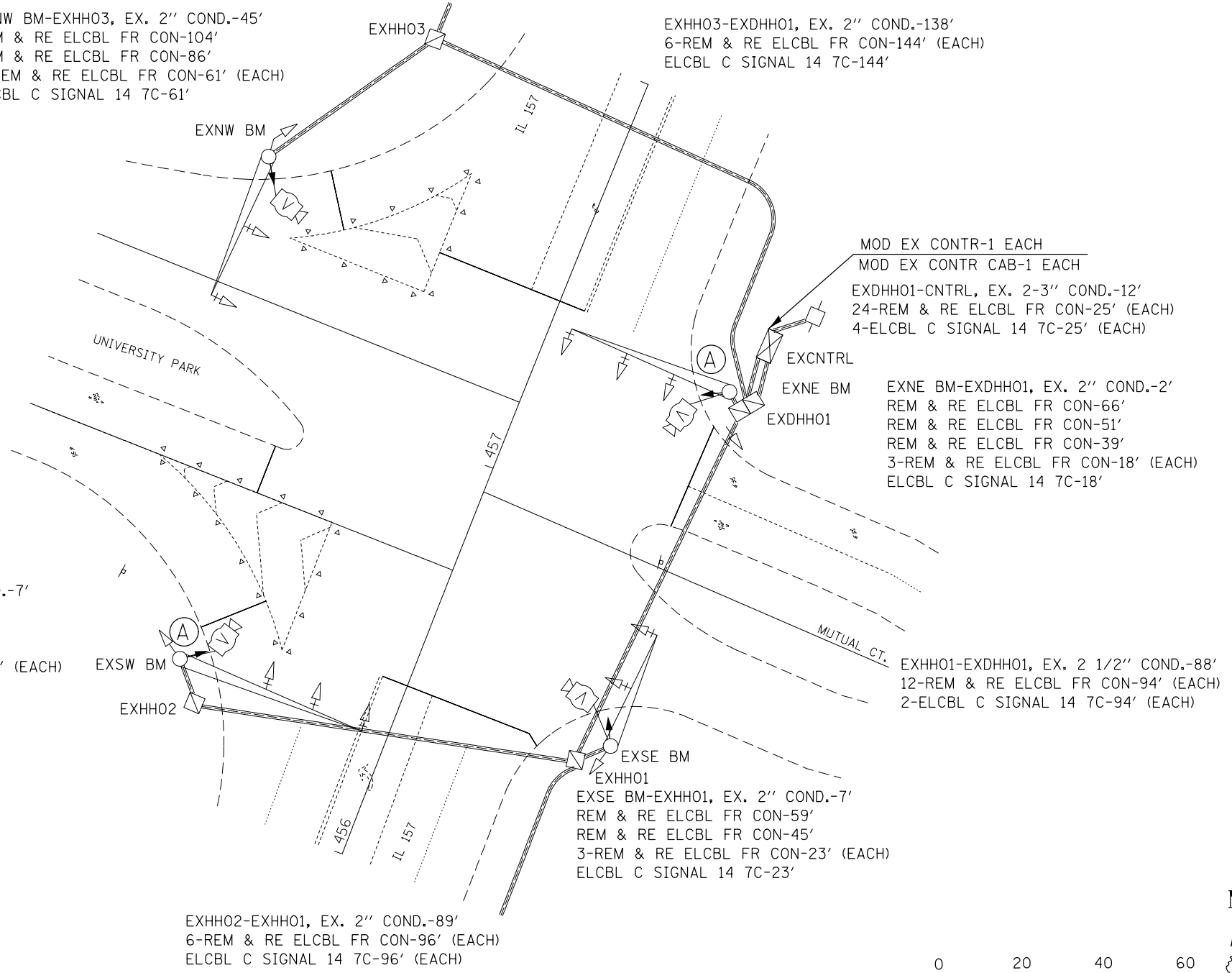
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

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

EXNW BM-EXHH03, EX. 2" COND.-45'
 REM & RE ELCBL FR CON-104'
 REM & RE ELCBL FR CON-86'
 3-REM & RE ELCBL FR CON-61' (EACH)
 ELCBL C SIGNAL 14 7C-61'

EXHH03-EXDHH01, EX. 2" COND.-138'
 6-REM & RE ELCBL FR CON-144' (EACH)
 ELCBL C SIGNAL 14 7C-144'



MOD EX CONTR-1 EACH
 MOD EX CONTR CAB-1 EACH
 EXDHH01-CNTRL, EX. 2-3" COND.-12'
 24-REM & RE ELCBL FR CON-25' (EACH)
 4-ELCBL C SIGNAL 14 7C-25' (EACH)

EXNE BM-EXDHH01, EX. 2" COND.-2'
 REM & RE ELCBL FR CON-66'
 REM & RE ELCBL FR CON-51'
 REM & RE ELCBL FR CON-39'
 3-REM & RE ELCBL FR CON-18' (EACH)
 ELCBL C SIGNAL 14 7C-18'

EXSW BM-EXHH02, EX. 2" COND.-7'
 REM & RE ELCBL FR CON-77'
 REM & RE ELCBL FR CON-65'
 REM & RE ELCBL FR CON-52'
 3-REM & RE ELCBL FR CON-23' (EACH)
 ELCBL C SIGNAL 14 7C-23'
 REBUILD EX SIG HEAD-1 EACH

EXHH01-EXDHH01, EX. 2 1/2" COND.-88'
 12-REM & RE ELCBL FR CON-94' (EACH)
 2-ELCBL C SIGNAL 14 7C-94' (EACH)

EXHH02-EXHH01, EX. 2" COND.-89'
 6-REM & RE ELCBL FR CON-96' (EACH)
 ELCBL C SIGNAL 14 7C-96' (EACH)



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
pw:\IL084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 8\Projects\0875\DRAWING\DATA\EA0\Sheets\0875H77-sht-tsplo		CHECKED -	REVISED -
	PLOT SCALE = 33.3333 / in.	DATE -	REVISED -
	PLOT DATE = 9/11/2015		


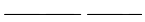
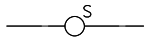
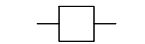
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

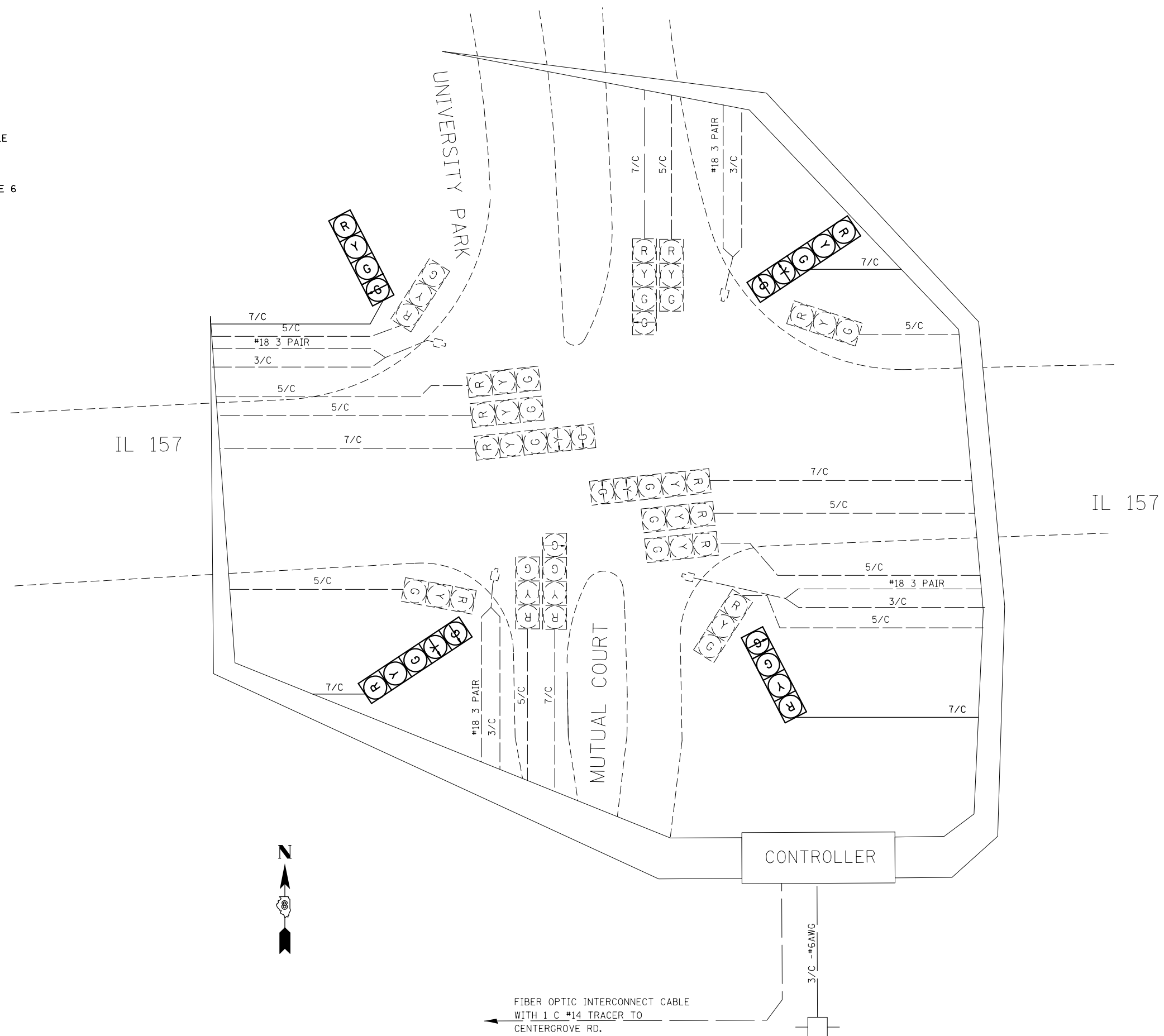
IL 157 & UNIVERSITY PARK (EDWARDSVILLE, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2015-1	*	91	23
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

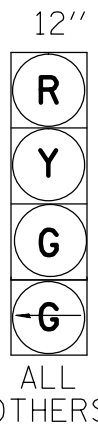
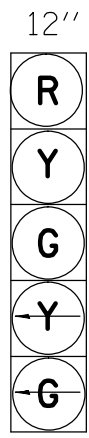
CABLE DIAGRAM LEGEND

-  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



FIBER OPTIC INTERCONNECT CABLE WITH 1 C #14 TRACER TO CENTERGROVE RD.

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 157 & UNIVERSITY PARK (EDWARDSVILLE, MADISON CNTY.) TRAFFIC SIGNAL PLAN	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 33.3333' / in.	DATE = 9/11/2015	DATE -	REVISED -			CONTRACT NO. 76H77		ILLINOIS FED. AID PROJECT		



ALL OTHERS

(A)

PROPOSED TRAFFIC SIGNAL FACES

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	604
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
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4422

EXHH03-EXHH02, EX. 2" COND.-90'
5-REM & RE ELCBL FR CON-96' (EACH)
ELCBL C SIGNAL 14 7C-96'

EXSW BM-EXHH02, EX. 2" COND.-7'
REM & RE ELCBL FR CON-87'
REM & RE ELCBL FR CON-76'
REM & RE ELCBL FR CON-63'
3-REM & RE ELCBL FR CON-23' (EACH)
ELCBL C SIGNAL 14 7C-23'

EXHH02-EXDHH01, EX. 2 1/2" COND.-106'
16-REM & RE ELCBL FR CON-113' (EACH)
2-ELCBL C SIGNAL 14 7C-113' (EACH)

EXNW BM-EXHH03, EX. 2" COND.-6'
REM & RE ELCBL FR CON-71'
REM & RE ELCBL FR CON-59'
3-REM & RE ELCBL FR CON-22' (EACH)
ELCBL C SIGNAL 14 7C-22'

EXNE BM-EXHH01, EX. 2" COND.-13'
REM & RE ELCBL FR CON-94'
REM & RE ELCBL FR CON-85'
REM & RE ELCBL FR CON-73'
3-REM & RE ELCBL FR CON-29' (EACH)
ELCBL C SIGNAL 14 7C-29'

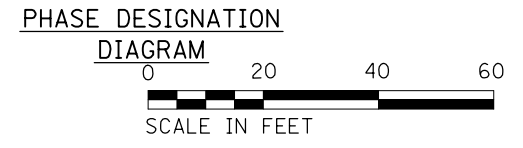
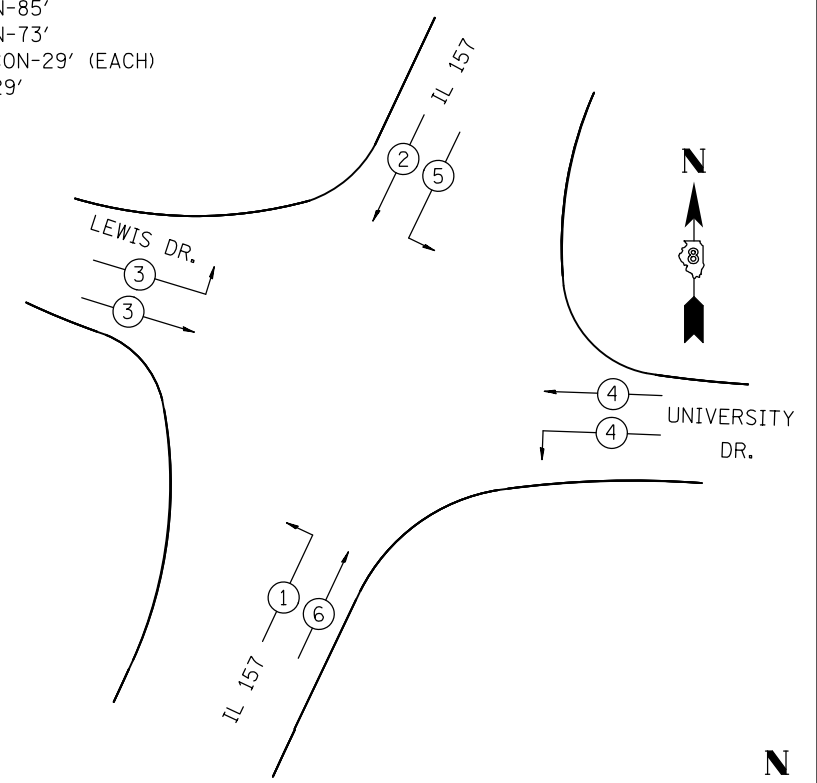
EXHH01-EXDHH01, EX. 2" COND.-97'
6-REM & RE ELCBL FR CON-103' (EACH)
ELCBL C SIGNAL 14 7C-103'

EXSE BM-EXDHH01, EX. 2" COND.-5'
REM & RE ELCBL FR CON-79'
REM & RE ELCBL FR CON-61'
3-REM & RE ELCBL FR CON-21' (EACH)
ELCBL C SIGNAL 14 7C-21'


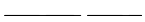
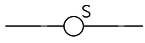
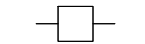
EXDHH01-CNTRL, EX. 2-2 1/2" COND.-5'
23-REM & RE ELCBL FR CON-21' (EACH)
4-ELCBL C SIGNAL 14 7C-21' (EACH)

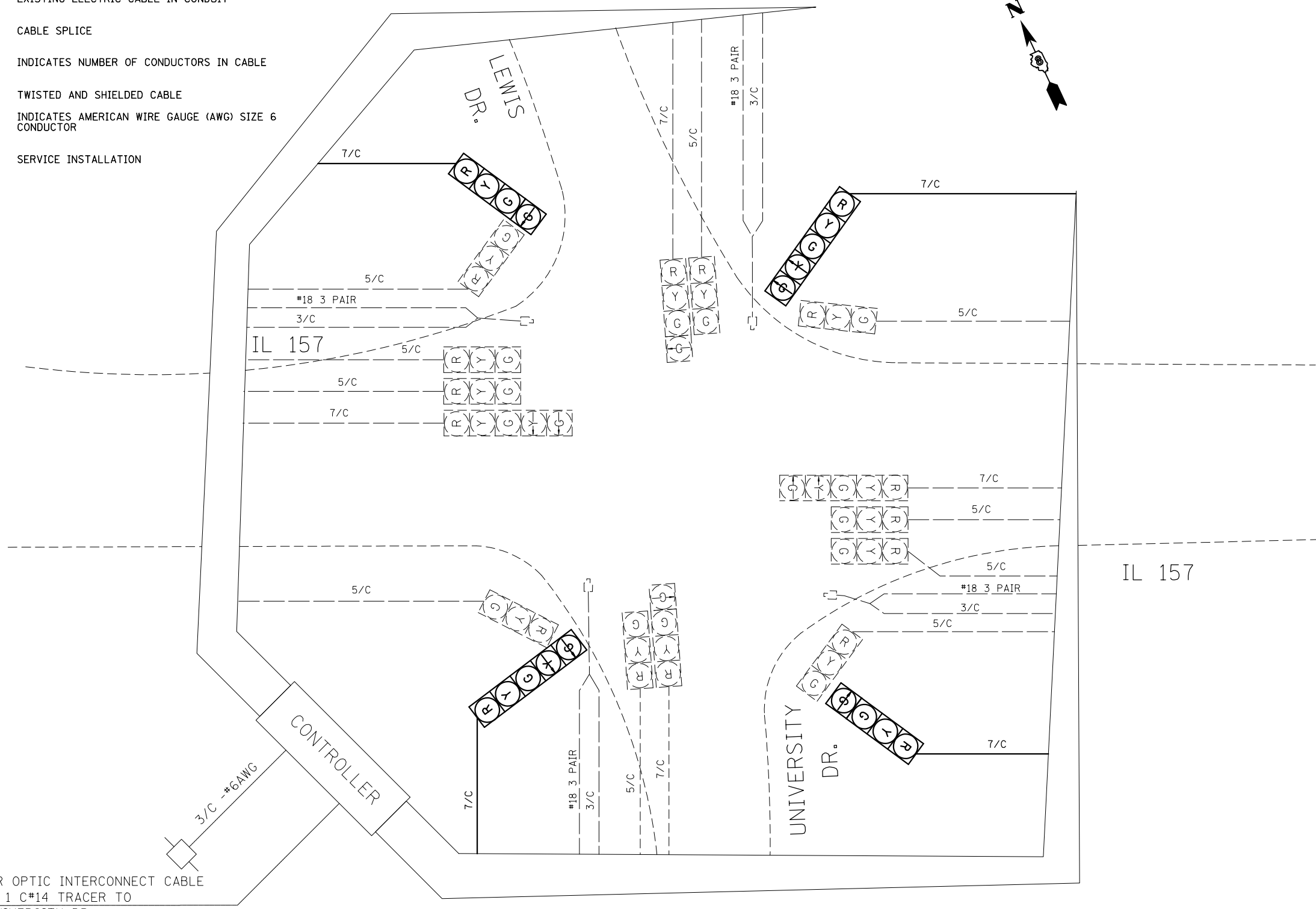
EXISTING FULL-ACTUATED CONTROLLER

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



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



FIBER OPTIC INTERCONNECT CABLE WITH 1 C#14 TRACER TO E. UNIVERSITY DR.

NOTE: 1 C #14 TRACER IS TO BE INSTALLED WITH THE FIBER OPTIC CABLE IN CONDUIT RUNS THAT CONTAIN FIBER OPTIC CABLE, ONLY

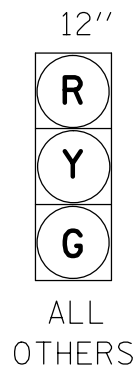
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

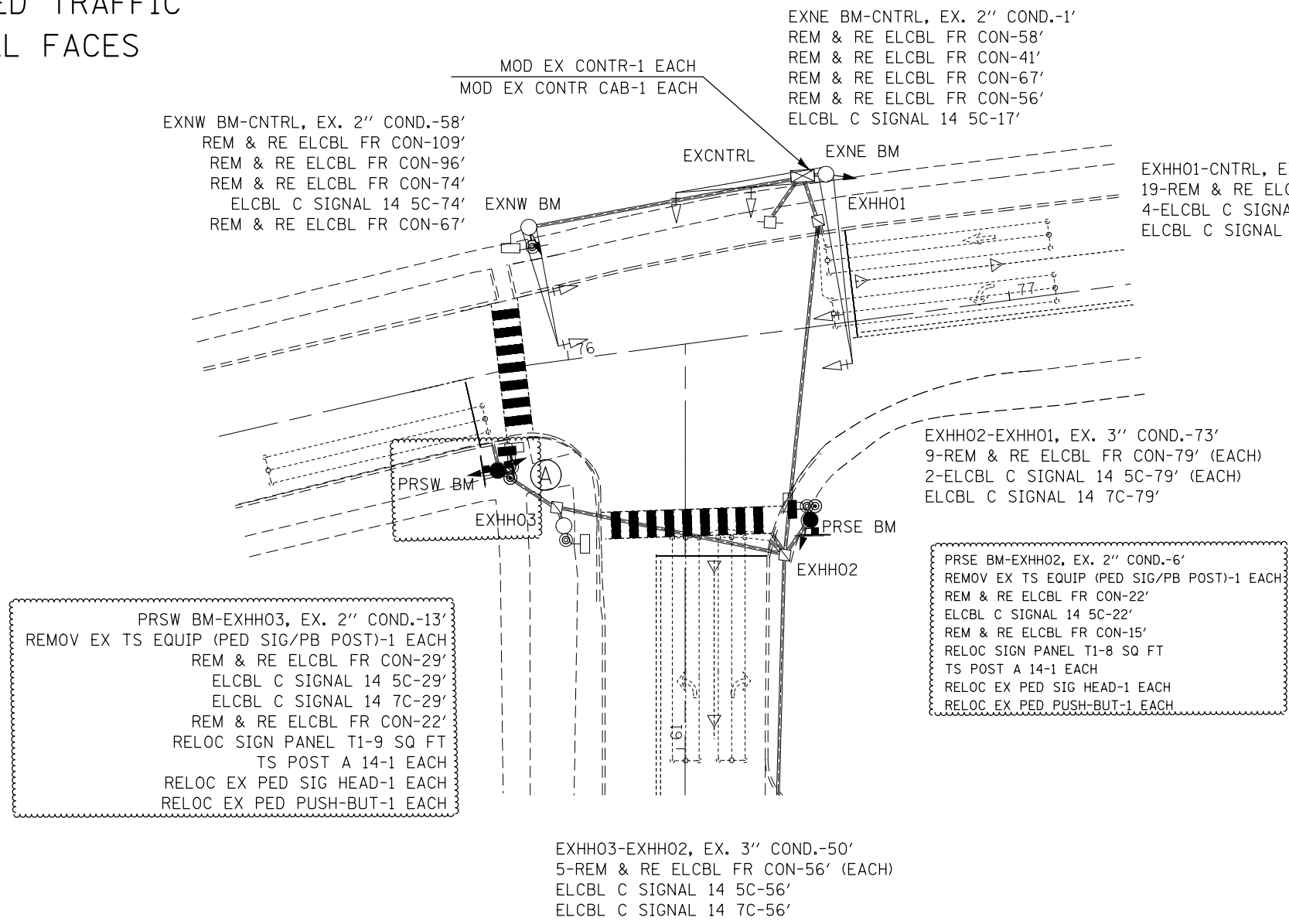
IL 157 & UNIVERSITY DR./LEWIS (EDWARDSVILLE, MADISON CNTY.)
CABLE DIAGRAM

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

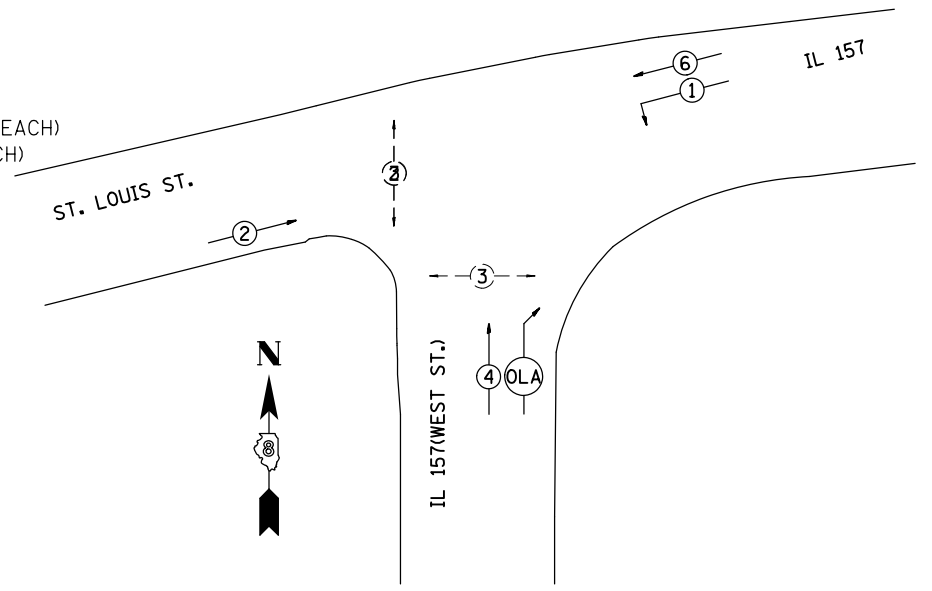
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	26
**=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES



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
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	17
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	452
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	188
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
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
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2

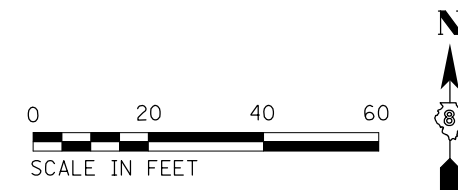


PHASE DESIGNATION DIAGRAM


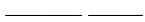
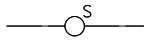
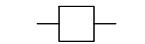
EXISTING FULL-ACTUATED CONTROLLER

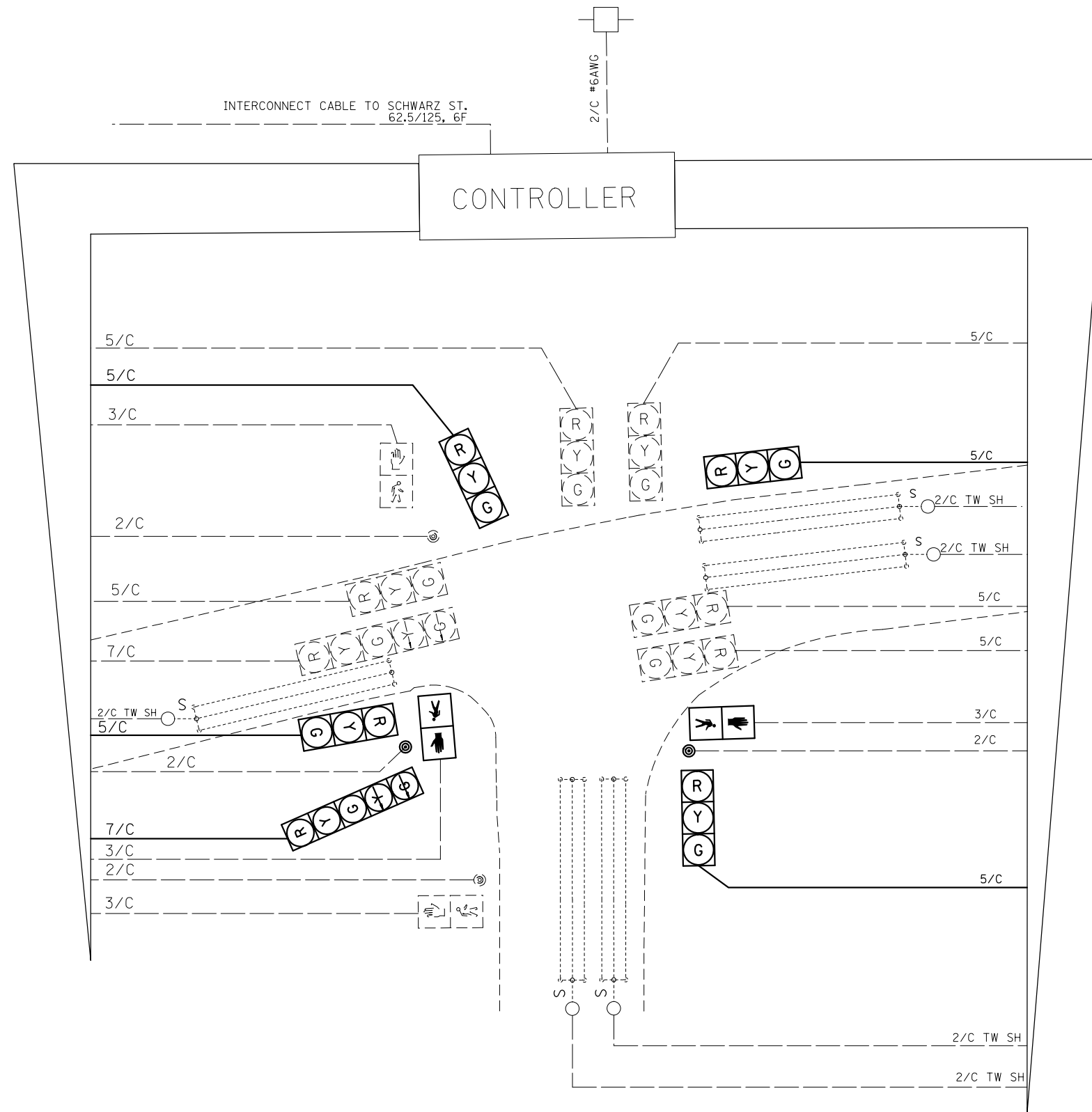
EXISTING SEQUENCE OF OPERATION									
PHASE	1	2	3	4	5	6	7	8	O.L.A.
MOVEMENT	←	→	↺	↑	NOT USED	↻	NOT USED	NOT USED	↑
CONCURRENT MOVEMENT PERMITTED	6	6	NONE	NONE		1 OR 2			1 + 4

* 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



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\D876H77\DRAWING\DATA\EA0\Sheets\D876H77-sht-tsplon		REVISOR -	REVISOR -
	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 157 & ST LOUIS (EDWARDSVILLE, MADISON CNTY.)
CABLE DIAGRAM**

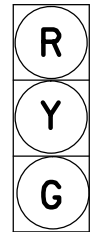
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	28
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"



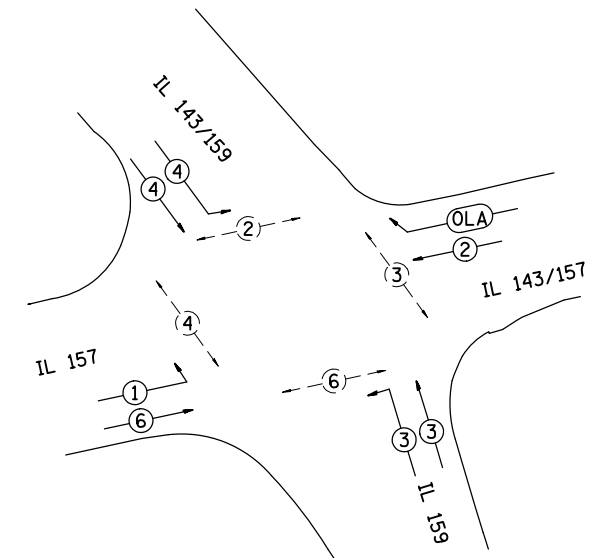
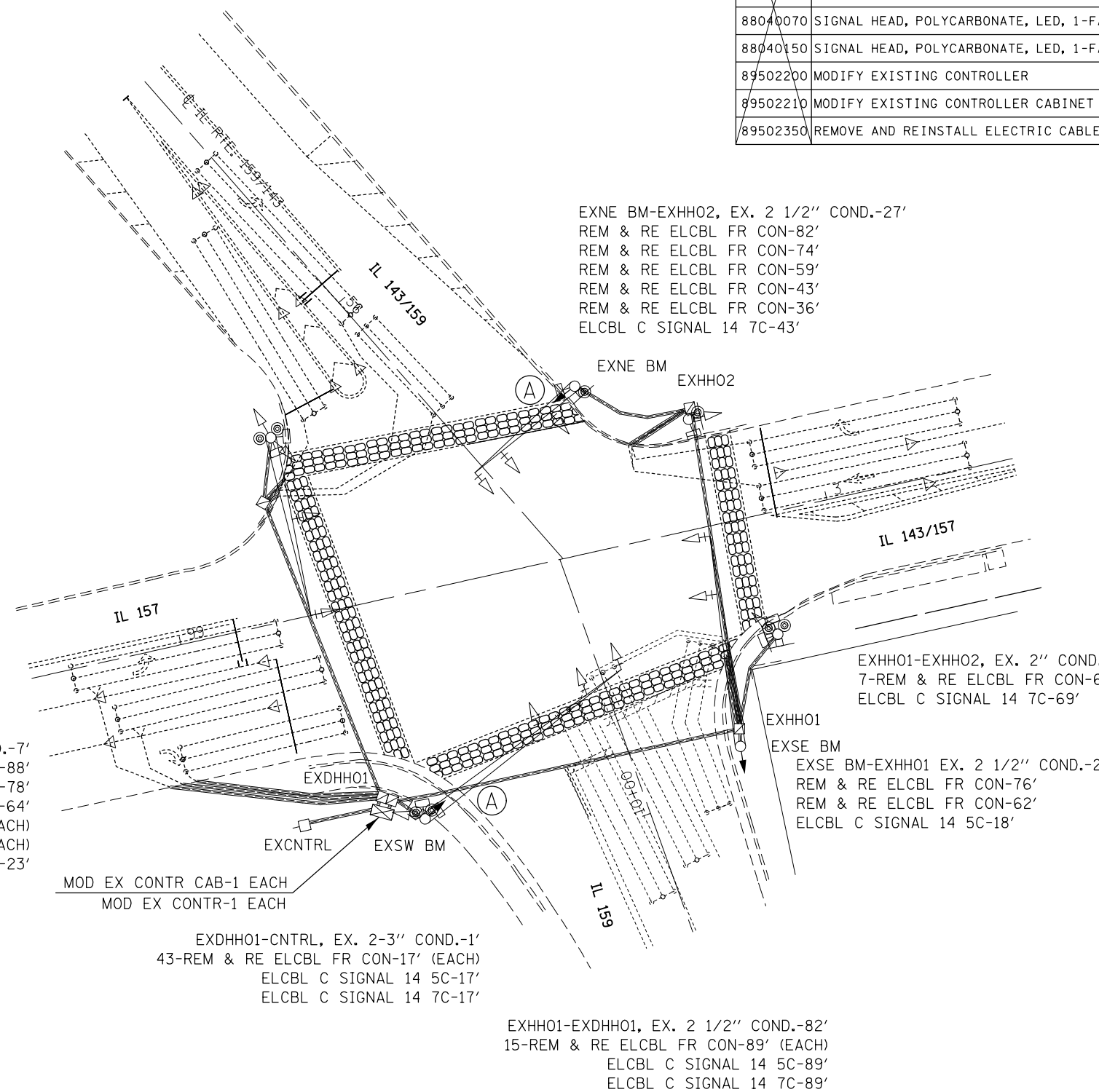
12"



ALL OTHERS

PROPOSED TRAFFIC SIGNAL FACES

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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	141
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	258
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	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3312



PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER


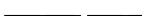
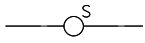
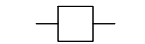
EXISTING SEQUENCE OF OPERATION									
PHASE	1	2	3	4	5	6	7	8	OLA
MOVEMENT	→	←	↔	↔	NOT USED	↔	NOT USED	NOT USED	↔
CONCURRENT MOVEMENT PERMITTED	6	6 AND OLA	NONE	OLA		2			2 AND 4

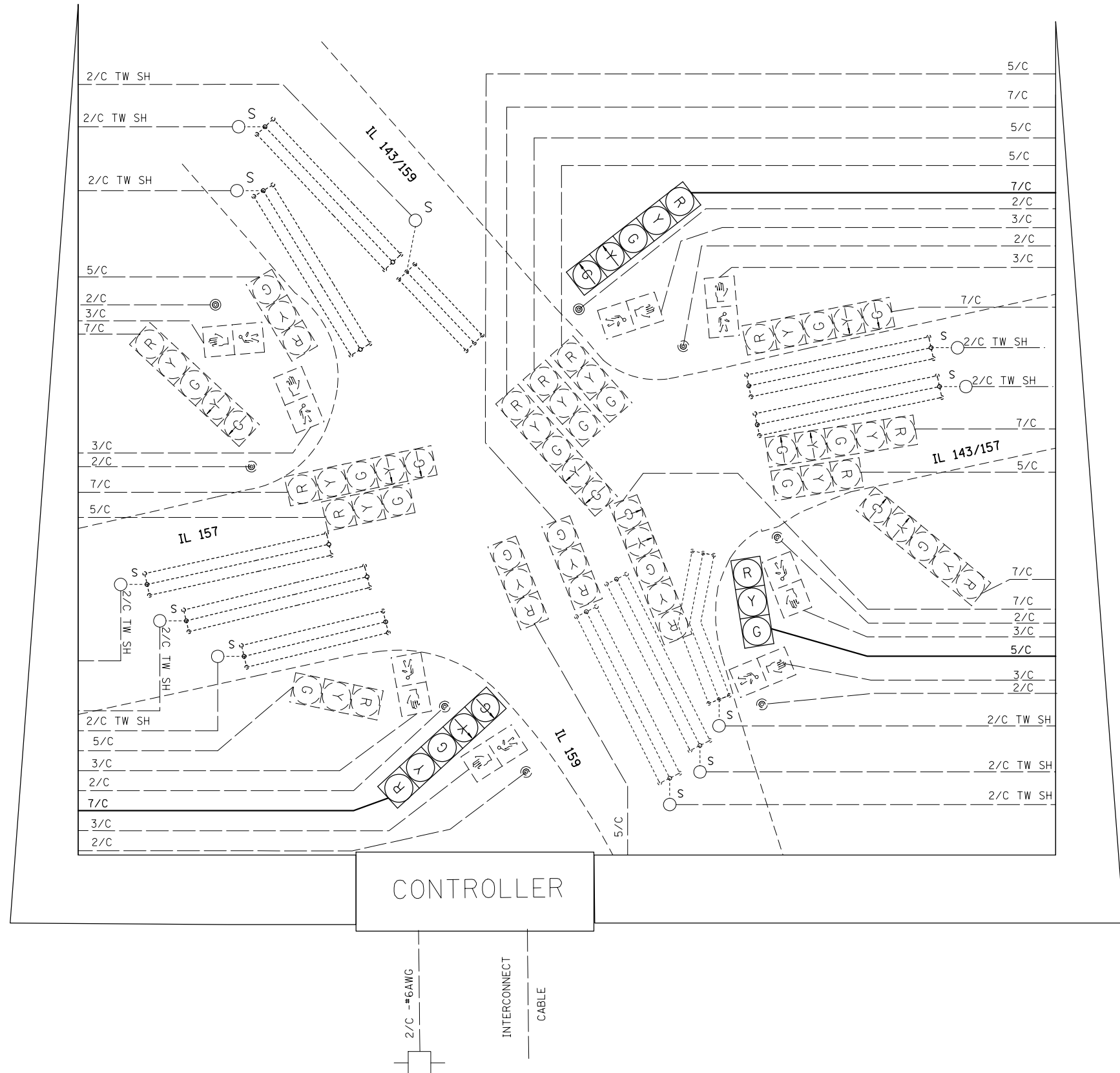
*PEDSTRIAN MOVEMENT DISPLAYED UPON ACTUATION, ONLY CIRCUITRY INHIBITS OLA WHEN A PHASE 2 PEDESTRIAN ACTUATION IS RECEIVED.



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



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

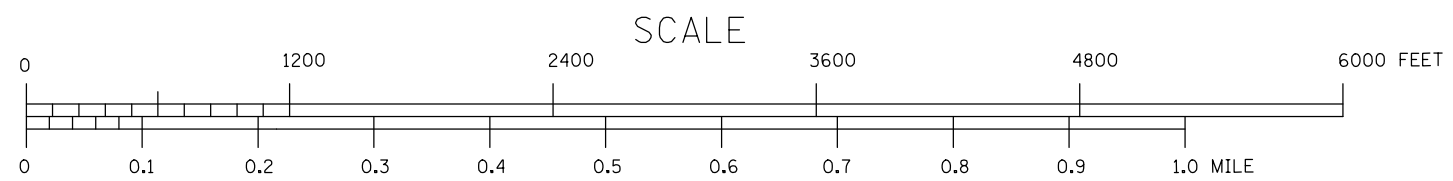
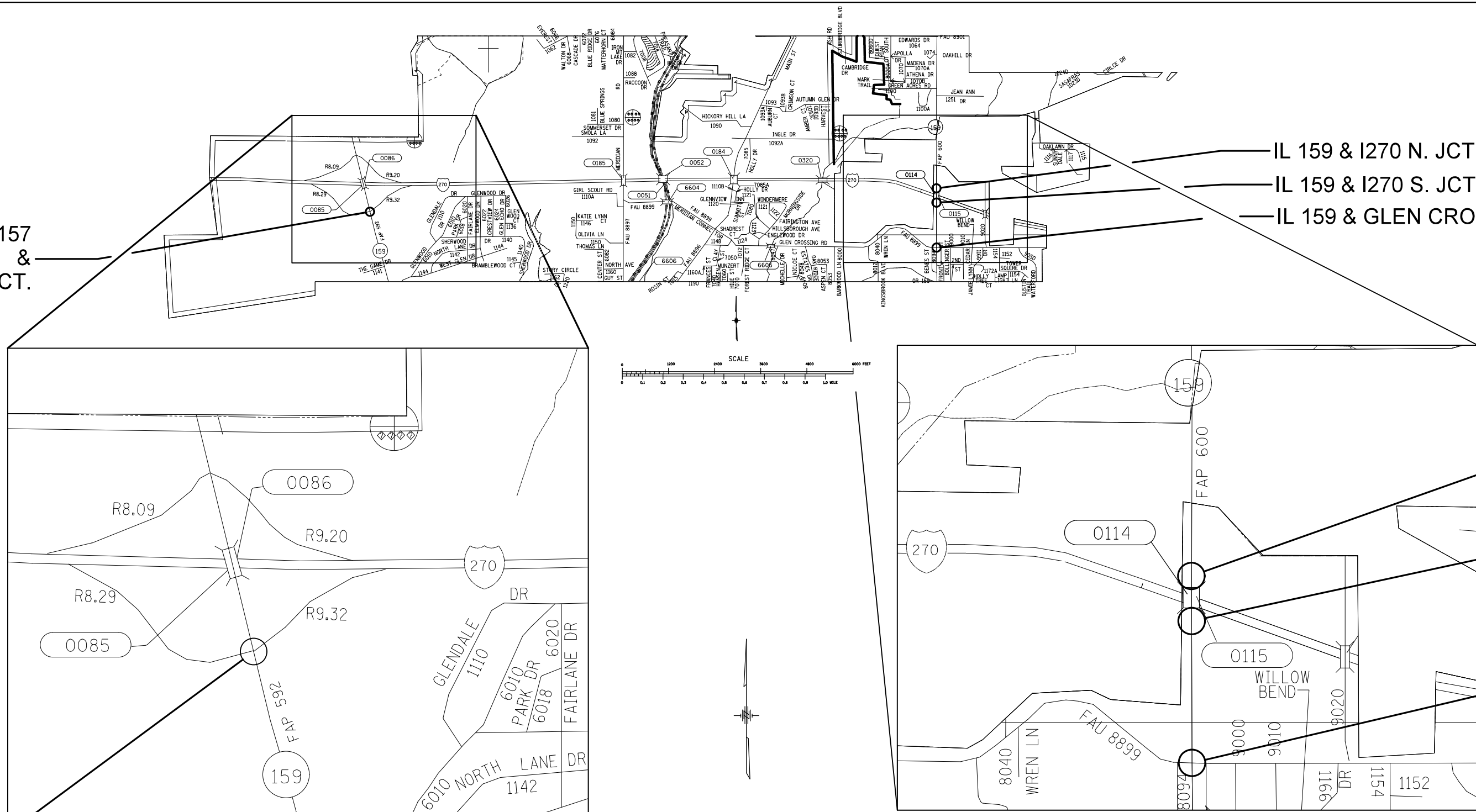
**IL 157 & IL 159 (EDWARDSVILLE, MADISON CNTY.)
CABLE DIGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	30
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

IL 157
&
I270 S. JCT.

IL 159 & I270 N. JCT
IL 159 & I270 S. JCT.
IL 159 & GLEN CROSSING



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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
GLEN CARBON, MADISON CNTY.**

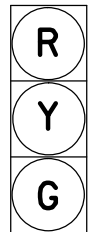
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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**VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"



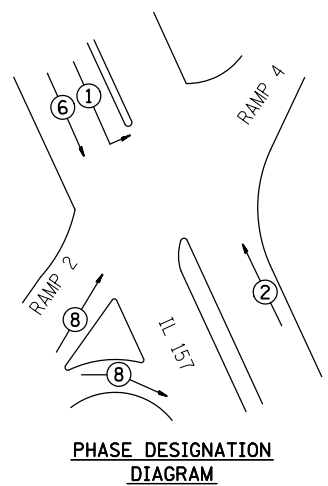
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ALL OTHERS

(A)

PROPOSED TRAFFIC SIGNAL FACES

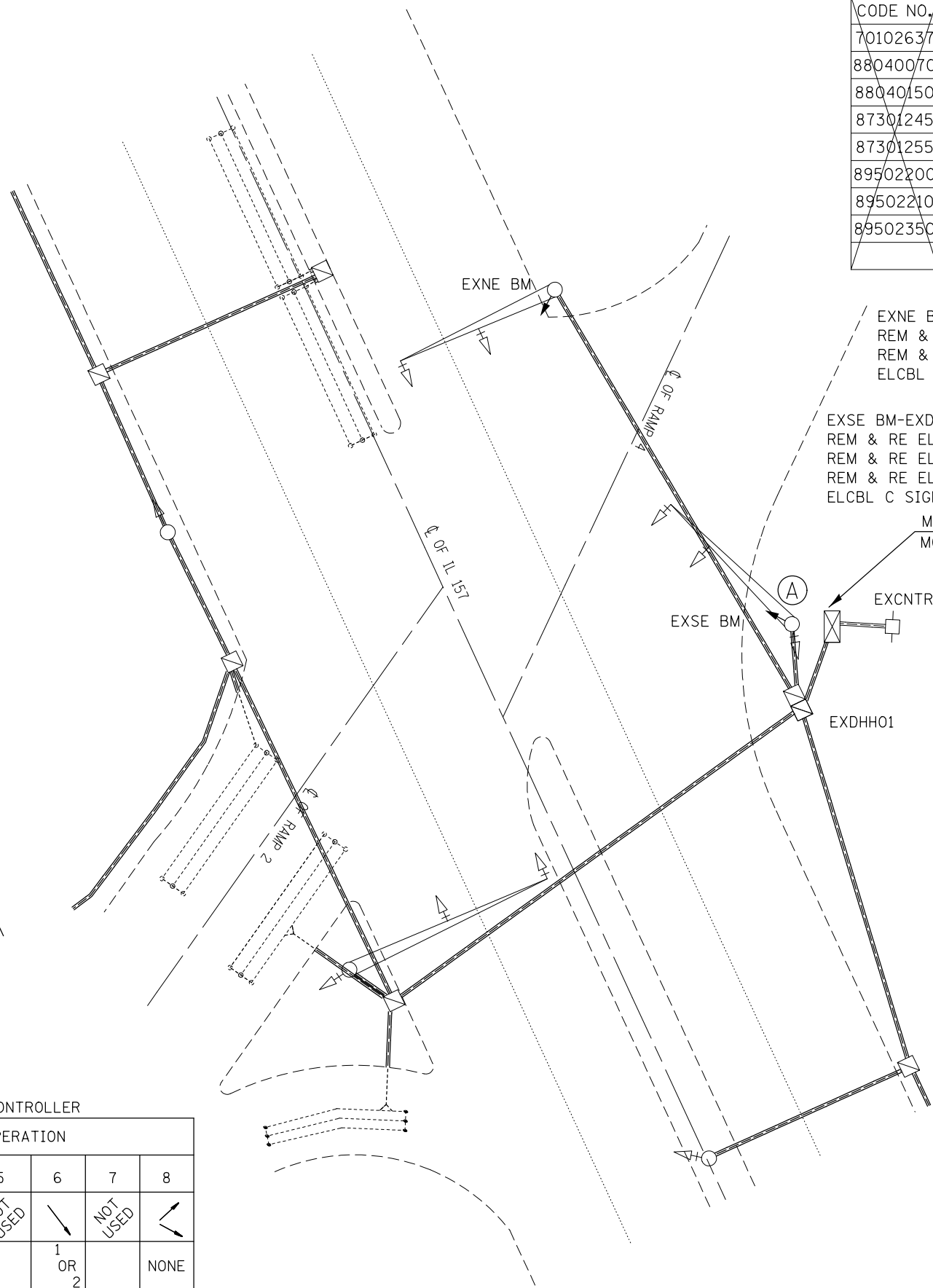


EXISTING FULL-ACTUATED CONTROLLER

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				1 OR 2		NONE

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
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	156
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	60
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1360



EXNE BM-EXDHH01, EX. 2" COND.-109'
 REM & RE ELCBL FR CON-172'
 REM & RE ELCBL FR CON-152'
 ELCBL C SIGNAL 14 5C-125'

EXSE BM-EXDHH01, EX. 2" COND.-13'
 REM & RE ELCBL FR CON-76'
 REM & RE ELCBL FR CON-63'
 REM & RE ELCBL FR CON-29'
 ELCBL C SIGNAL 14 7C-29'

MOD EX CONTR-1 EACH
 MOD EX CONTR CAB-1 EACH

EXDHH01-CNTRL, EX. 5" COND.-15'
 28-REM & RE ELCBL FR CON-31' (EACH)
 ELCBL C SIGNAL 14 5C-31'
 ELCBL C SIGNAL 14 7C-31'



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	PLOT DATE = 9/11/2015		



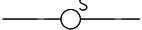
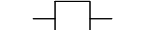
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

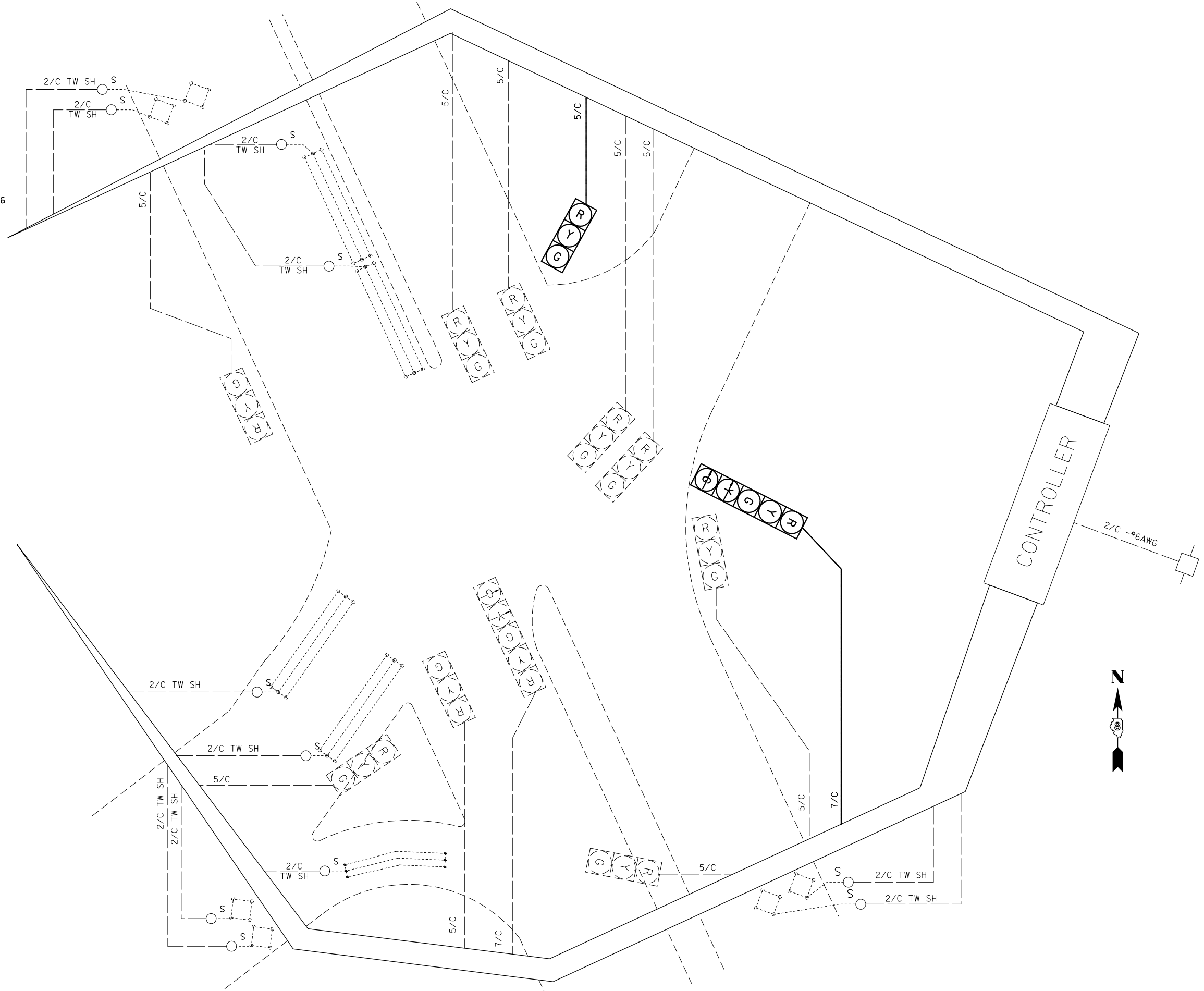
**IL 157 & I-270 S.JCT. (GLEN CARBON, MADISON CNTY.)
 TRAFFIC SIGNAL PLANS**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2015-1	•	91	32
**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



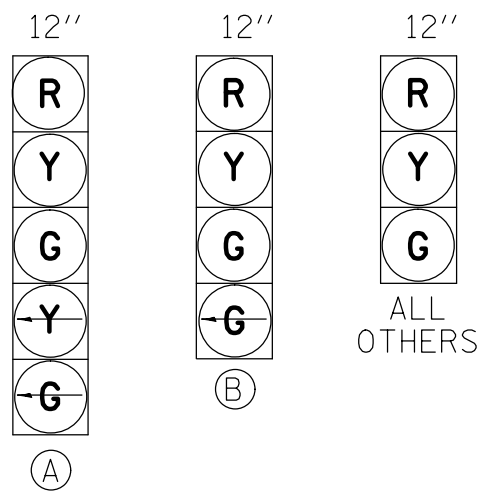
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISOR -
	PLOT DATE = 9/11/2015	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 157 & I-270 S. JCT. (GLEN CARBON, MADISON CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	33
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

EXNW BM-EXHHO1, EX. 2" COND.-4'
 REM & RE ELCBL FR CON-70'
 REM & RE ELCBL FR CON-56'
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'

EXHHO1-EXDHHO1, EX. 2 1/2" COND.-106'
 7-REM & RE ELCBL FR CON-112' (EACH)
 ELCBL C SIGNAL 14 5C-112'
 ELCBL C SIGNAL 14 7C-112'

EXSW BM-DHHO1, EX. 2" COND.-5'
 REM & RE ELCBL FR CON-78'
 REM & RE ELCBL FR CON-60'
 ELCBL C SIGNAL 14 5C-21'
 ELCBL C SIGNAL 14 7C-21'

EXDHHO1-CNTRL, EX. 2-4" COND.-9'
 20-REM & RE ELCBL FR CON-25' (EACH)
 4-ELCBL C SIGNAL 14 5C-25' (EACH)
 4-ELCBL C SIGNAL 14 7C-25' (EACH)

MOD EX CONTR CAB-1 EACH
 MOD EX CONTR-1 EACH

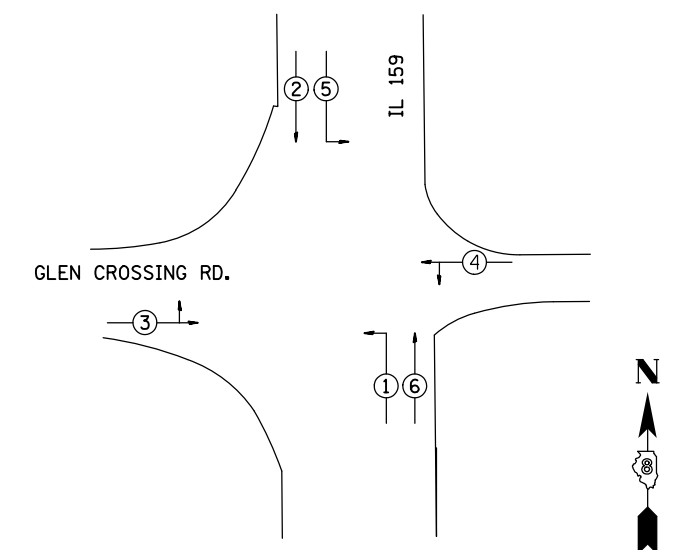
EXHHO2-EXDHHO1, EX. 3" COND.-134'
 9-REM & RE ELCBL FR CON-140' (EACH)
 2-ELCBL C SIGNAL 14 5C-140' (EACH)
 2-ELCBL C SIGNAL 14 7C-140' (EACH)

EXNE BM-EXHHO3, EX. 2" COND.-13'
 REM & RE ELCBL FR CON-83'
 REM & RE ELCBL FR CON-65'
 ELCBL C SIGNAL 14 5C-29'
 ELCBL C SIGNAL 14 7C-29'

EXHHO2-EXHHO3, EX. 2 1/2" COND.-65'
 3-REM & RE ELCBL FR CON-72' (EACH)
 ELCBL C SIGNAL 14 5C-72'
 ELCBL C SIGNAL 14 7C-72'

EXSE BM-EXHHO2, EX. 2" COND.-5'
 REM & RE ELCBL FR CON-64'
 REM & RE ELCBL FR CON-32'
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'

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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	654
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	654
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	3268



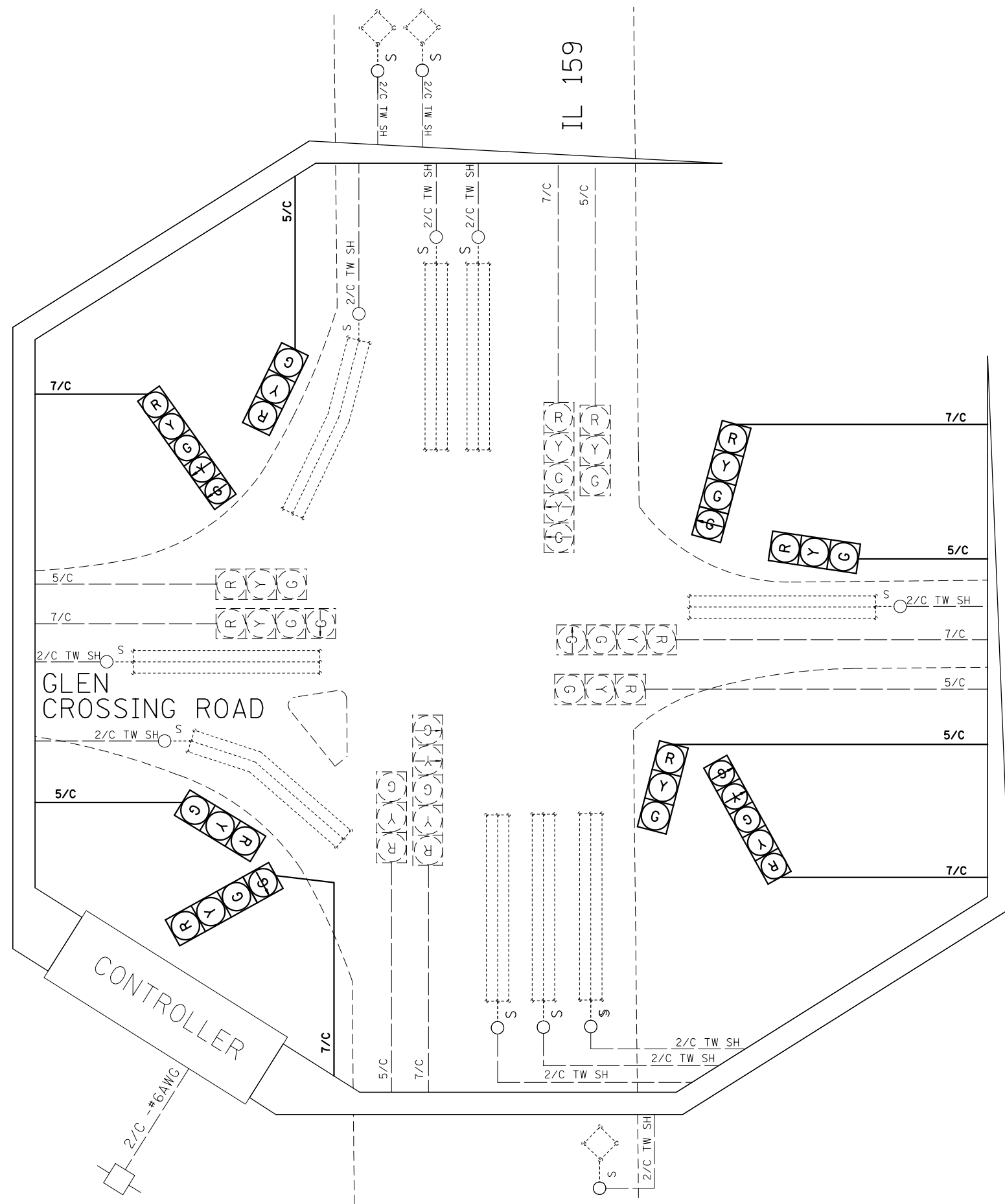
PHASE DESIGNATION DIAGRAM
 EXISTING FULL-ACTUATED CONTROLLER

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		



CABLE DIAGRAM LEGEND

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



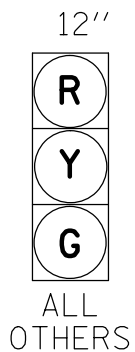
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & GLEN CROSSING (GLEN CARBON, MADISON CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	35
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

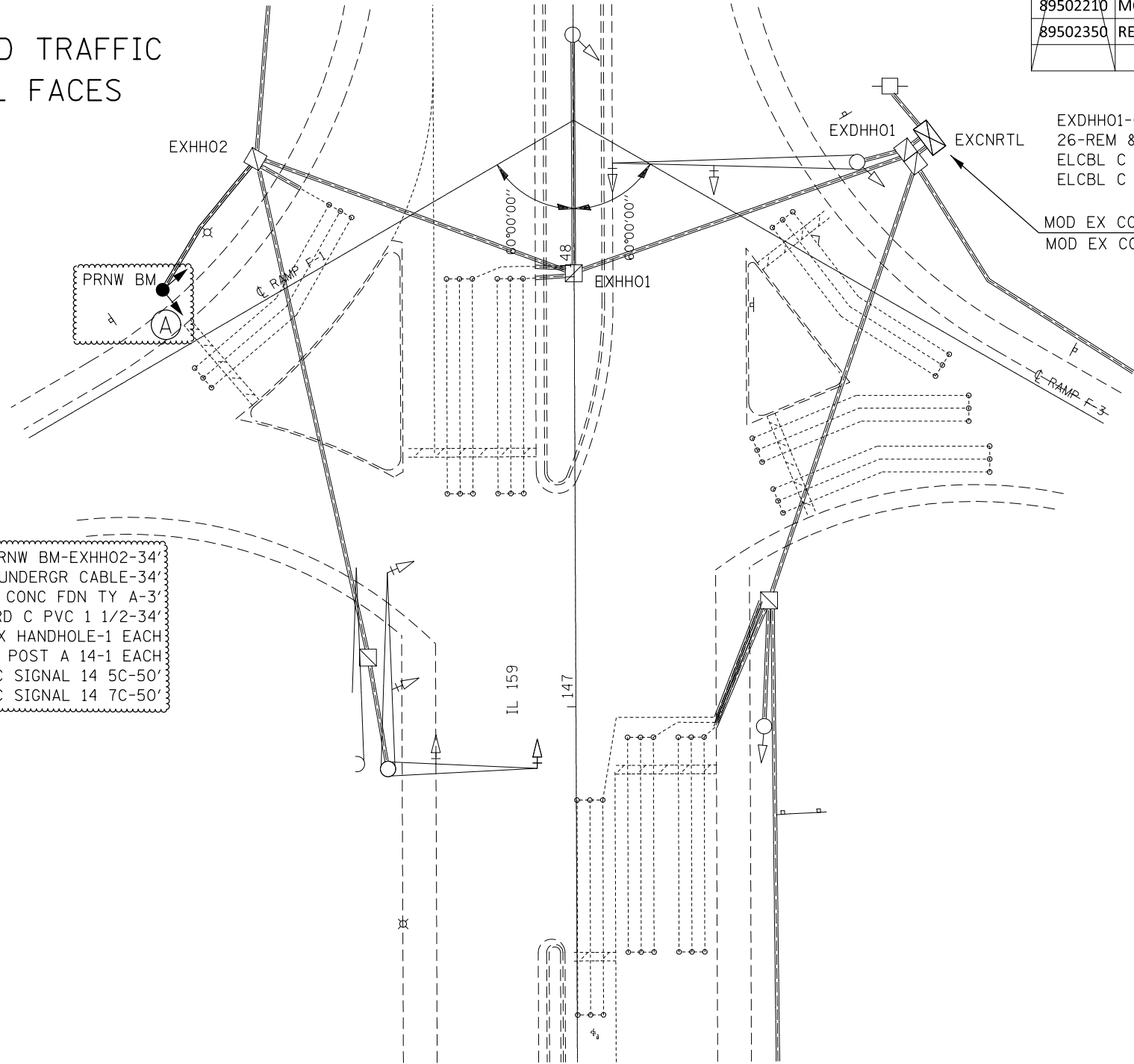


PROPOSED TRAFFIC SIGNAL FACES

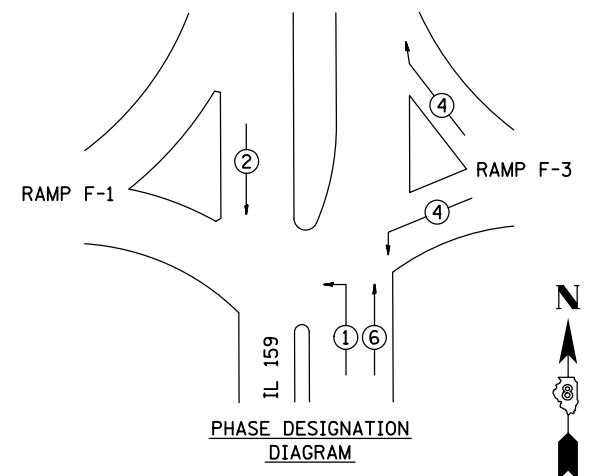
EXHH01-EXHH02, EX. 3" COND.-74'
 9-REM & RE ELCBL FR CON-81' (EACH)
 ELCBL C SIGNAL 14 5C-81'
 ELCBL C SIGNAL 14 7C-81'

EXHH01-EXDHH01, EX. 3 1/2" COND.-79'
 12-REM & RE ELCBL FR CON-85' (EACH)
 ELCBL C SIGNAL 14 5C-85'
 ELCBL C SIGNAL 14 7C-85'

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	34
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	34
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	234
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	234
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	2217



PRNW BM-EXHH02-34'
 LOCATE UNDERGR CABLE-34'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-34'
 DRILL EX HANDHOLE-1 EACH
 TS POST A 14-1 EACH
 ELCBL C SIGNAL 14 5C-50'
 ELCBL C SIGNAL 14 7C-50'



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		



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	PLOT DATE = 9/11/2015	DATE -	REVISED -



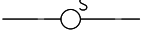

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

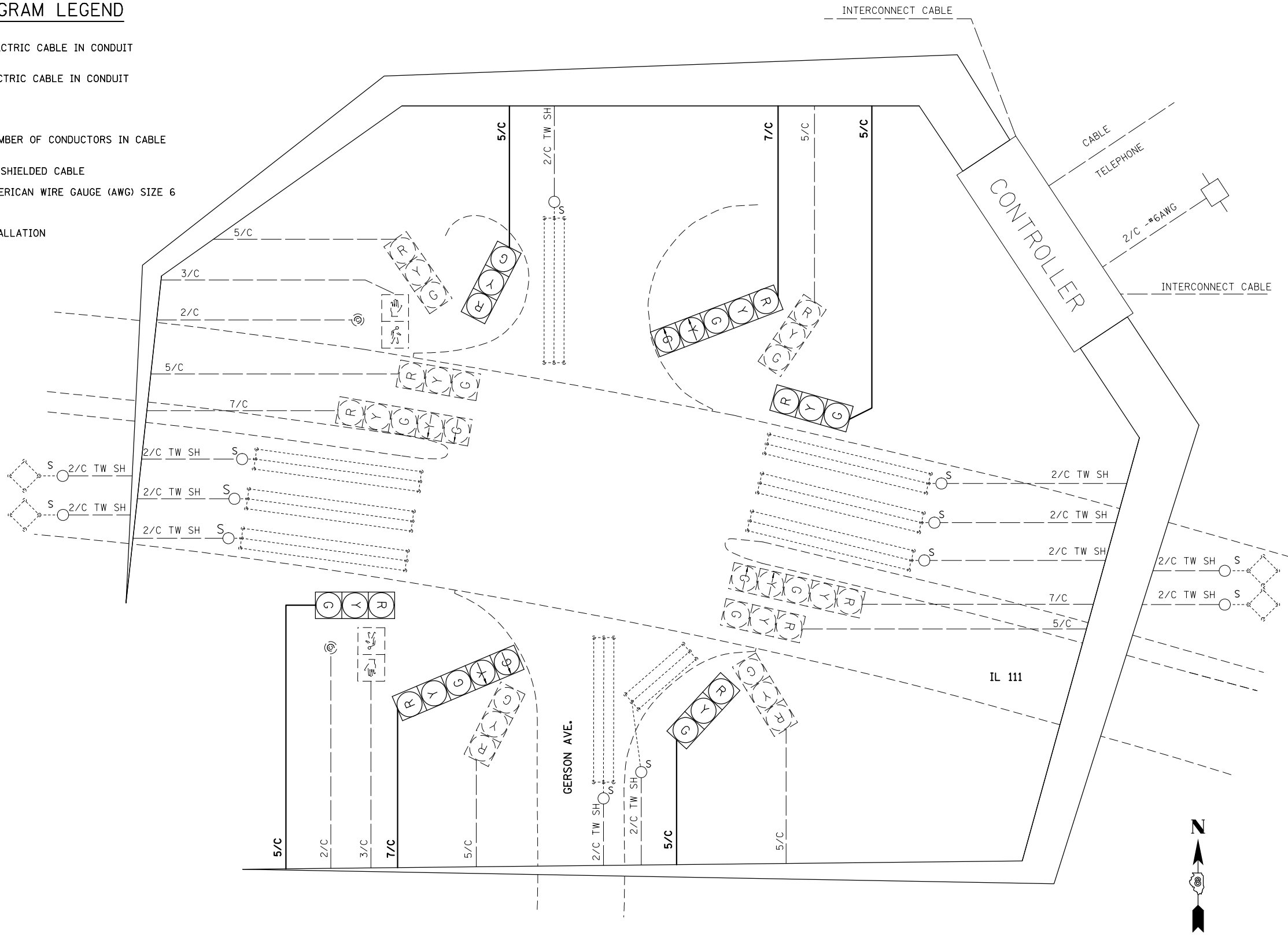
IL 159 & I-270 N JCT (GLEN CARBON, MADISON CNTY.)
 TRAFFIC SIGNAL PLANS

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	38
* = 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



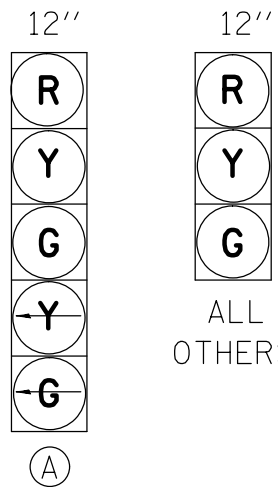
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PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/11/2015	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 3111 & GERSON AVE. (GODFREY, MADISON CNTY.)
CABLE DIAGRAM**

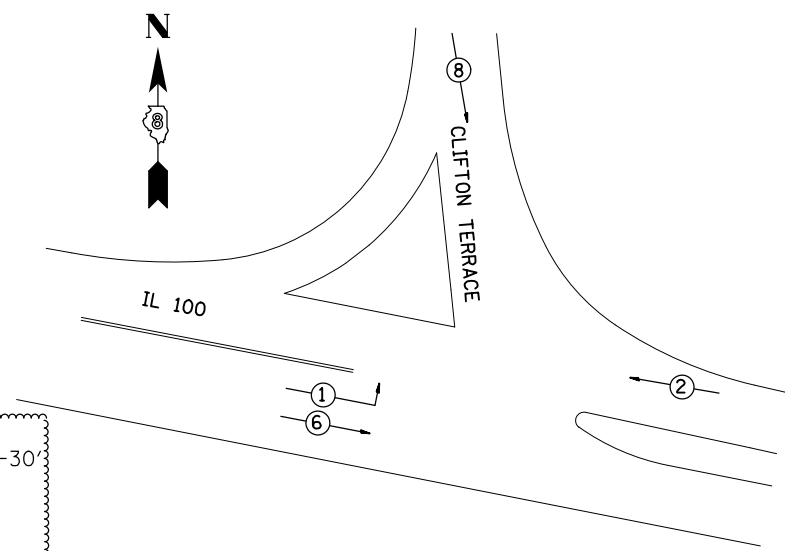
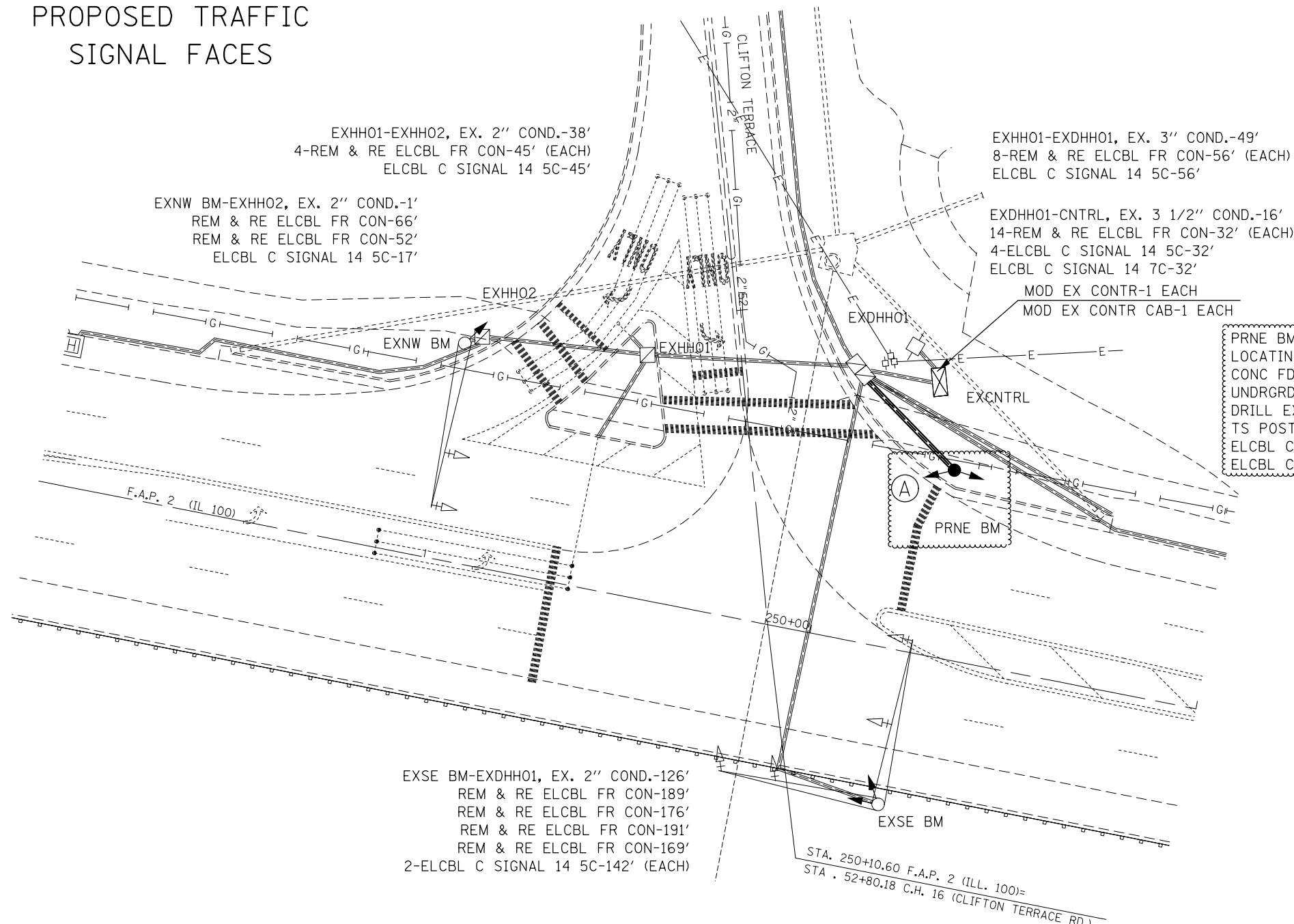
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2015-1	•	91	42
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	30
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	30
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	576
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	78
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	1
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 2-3-SECTION, BRACKET MOUNTED	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	1919



PRNE BM-EXDHHO1-30'
 LOCATING UNDERGROUND CABLE-30'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-30'
 DRILL EX HANDHOLE-1 EACH
 TS POST A 14-1 EACH
 ELCBL C SIGNAL 14 5C-46'
 ELCBL C SIGNAL 14 7C-46'


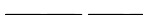
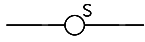
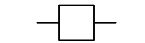
EXISTING FULL-ACTUATED CONTROLLER

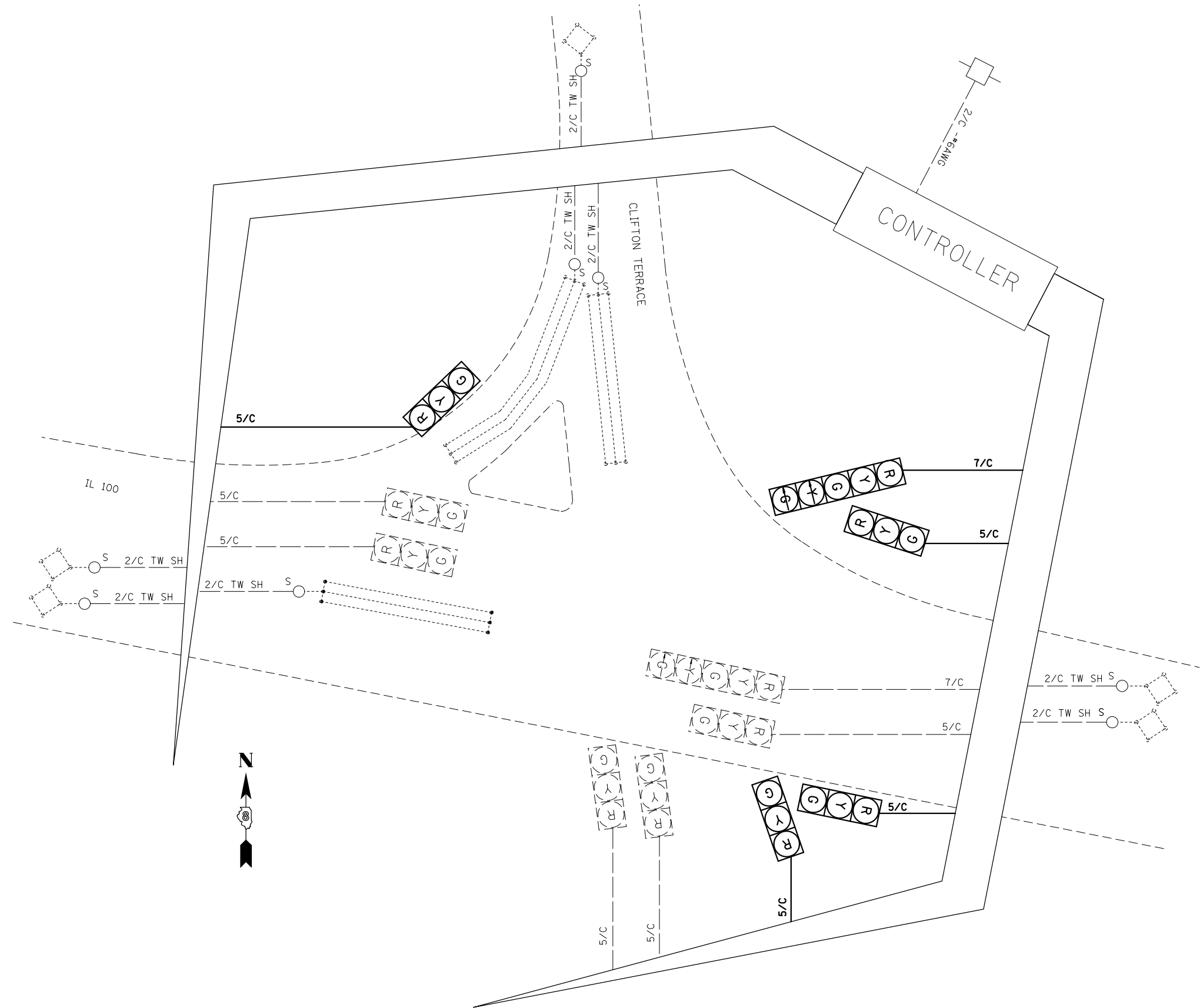
EXISTING SEQUENCE OF OPERATION

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



CABLE DIAGRAM LEGEND

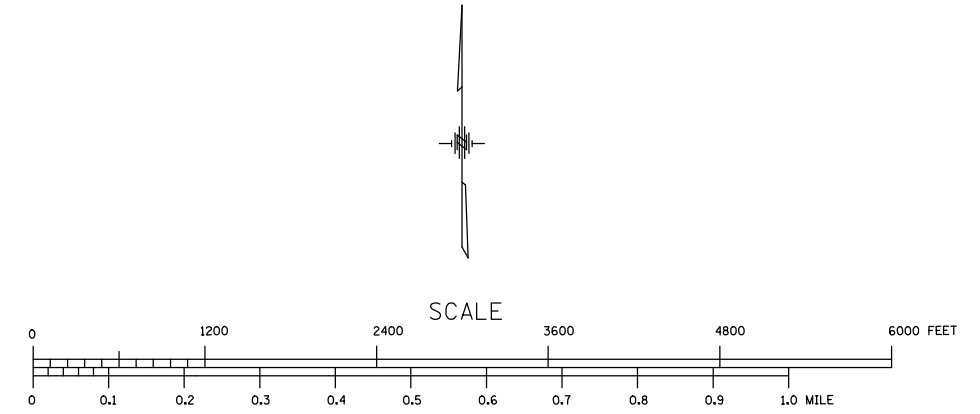
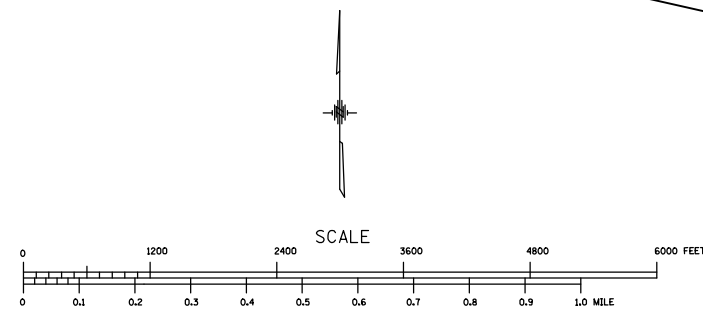
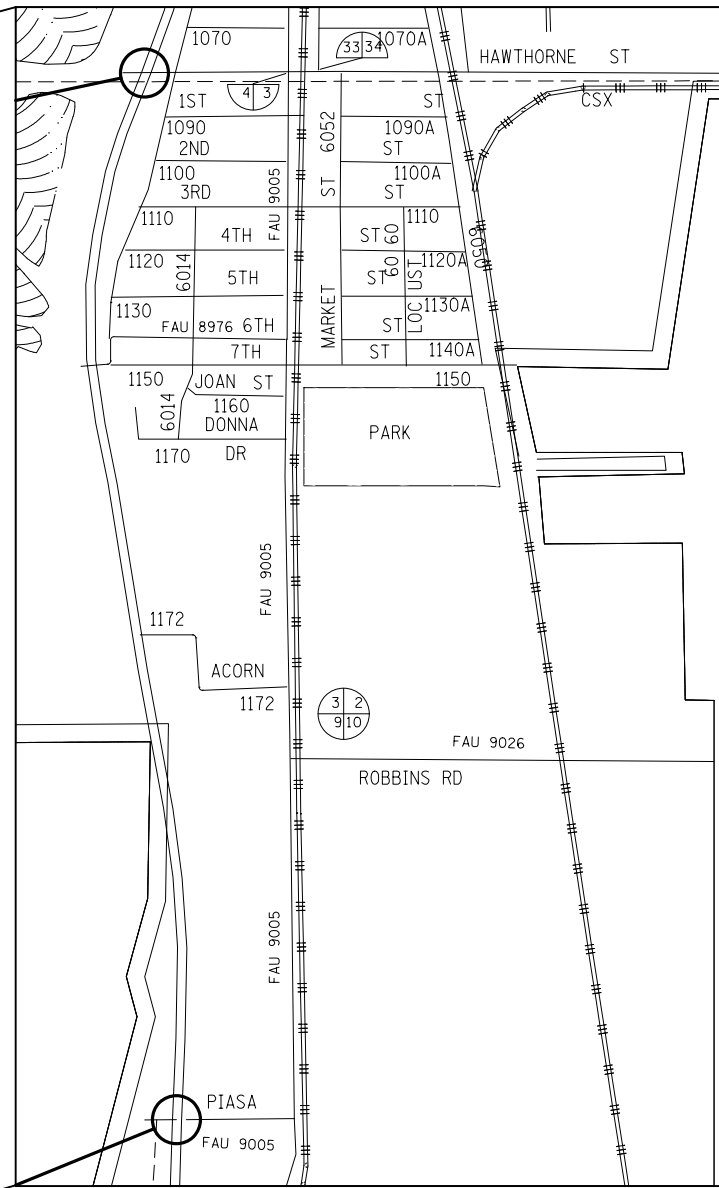
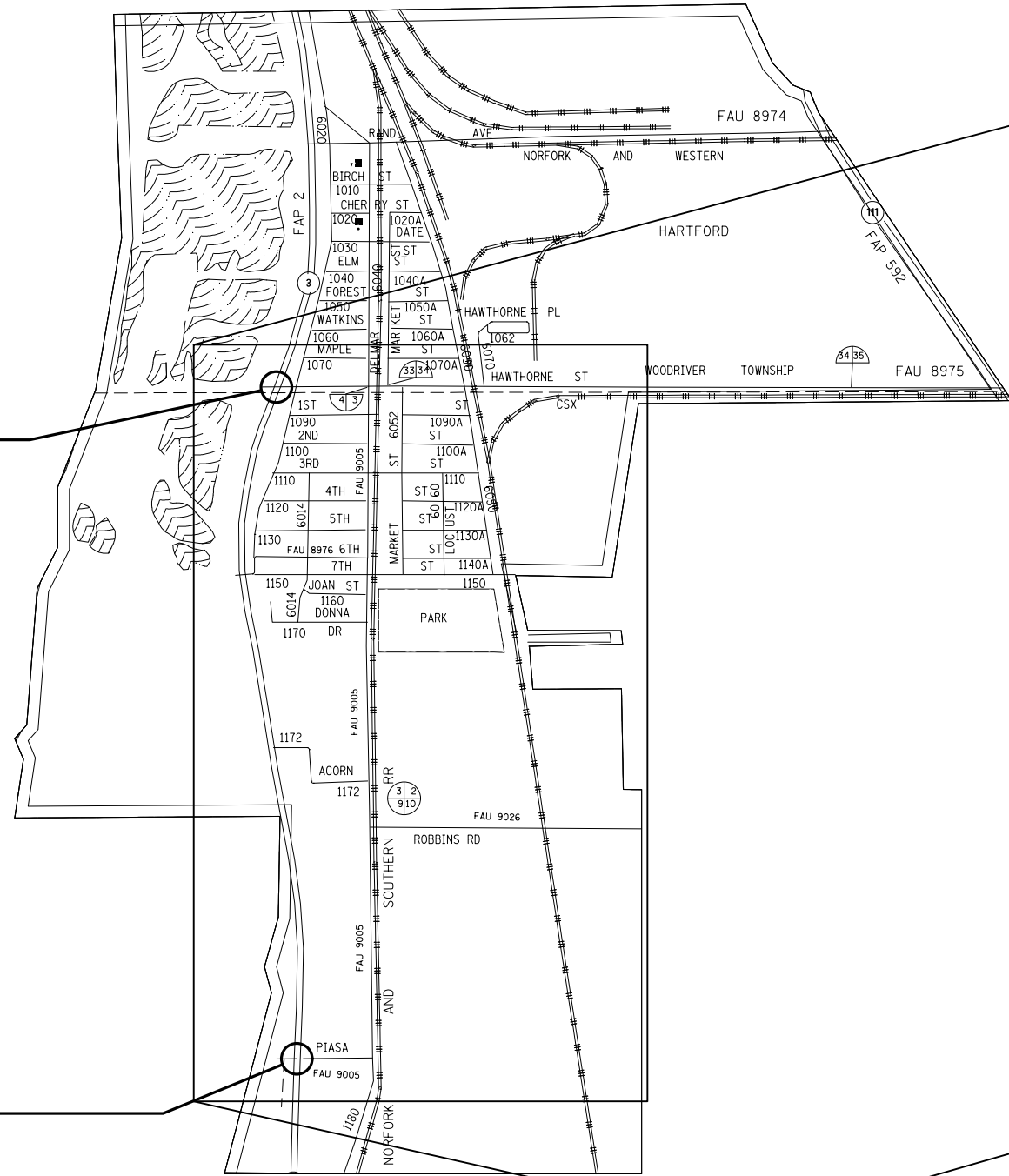
-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  SERVICE INSTALLATION



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 100 & CLIFTON TERRACE (W. OF ALTON, MADISON CNTY.) CABLE DIAGRAM	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 33.3333' / in.						* = VARIOUS		CONTRACT NO. 76H77			
PLOT DATE = 9/11/2015						FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.		

IL 3 &
HAWTHORNE ST.

IL 3 & PIASA LANE

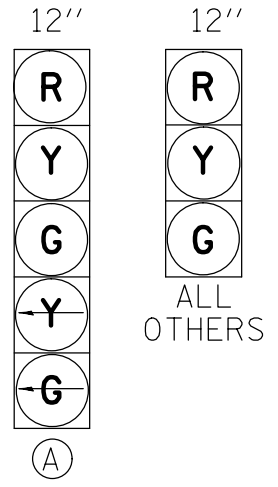


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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	45
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

EXNW BM-EXHH01, EX. 2" COND.-52'
REM & RE ELCBL FR CON-110'
REM & RE ELCBL FR CON-90'
ELCBL C SIGNAL 14 7C-68'

EXHH01-EXDHH01, EX. 3" COND.-192'
12-REM & RE ELCBL FR CON-198' (EACH)
ELCBL C SIGNAL 14 5C-198'
ELCBL C SIGNAL 14 7C-198'

EXNE BM-EXDHH01, EX. 2" COND.-39'
REM & RE ELCBL FR CON-112'
REM & RE ELCBL FR CON-92'
ELCBL C SIGNAL 14 5C-22'

EXDHH01-EXCNRTL, EX. 4" COND.-11'
25-REM & RE ELCBL FR CON-27' (EACH)
2-ELCBL C SIGNAL 14 5C-27' (EACH)
2-ELCBL C SIGNAL 14 7C-27' (EACH)

EXHH02-EXHH01, EX. 2 1/2" COND.-135'
4-REM & RE ELCBL FR CON-141' (EACH)
ELCBL C SIGNAL 14 5C-141'

EXSW BM-EXHH02, EX. 2" COND.-6'
REM & RE ELCBL FR CON-72'
REM & RE ELCBL FR CON-53'
ELCBL C SIGNAL 14 5C-68'

EXHH03-EXDHH01, EX. 2 1/2" COND.-158'
8-REM & RE ELCBL FR CON-164' (EACH)
ELCBL C SIGNAL 14 7C-164'

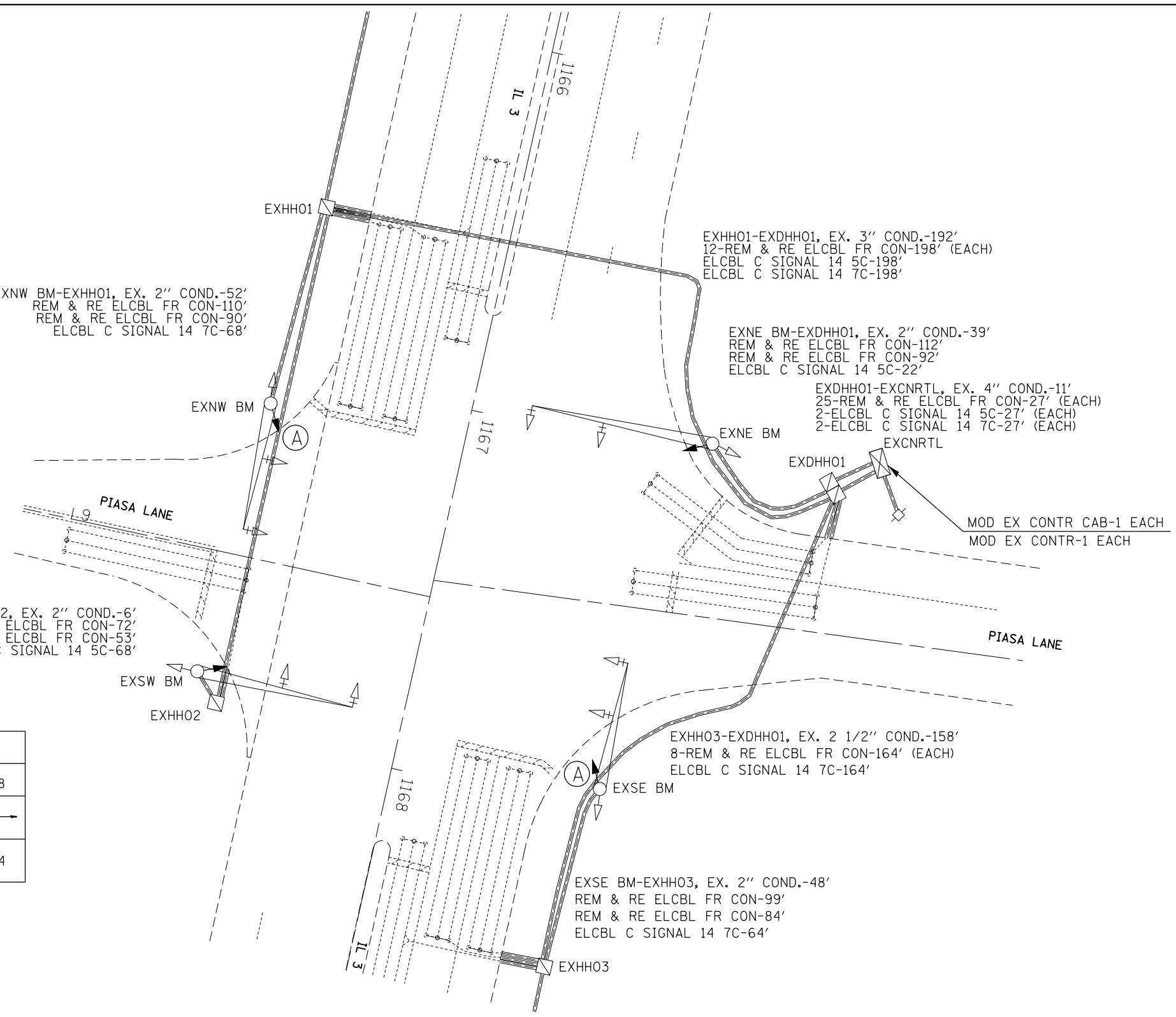
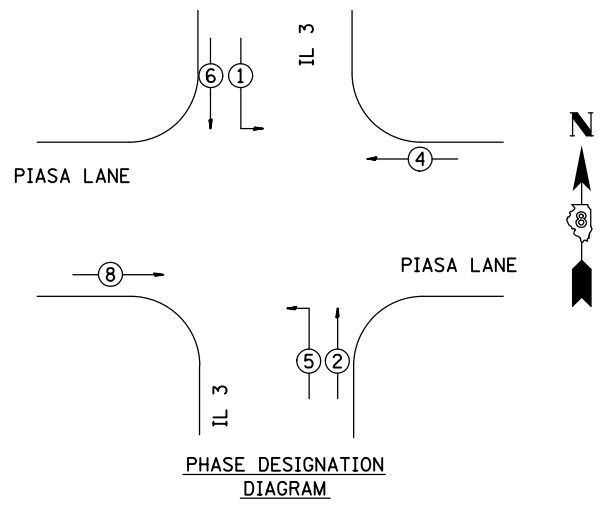
EXSE BM-EXHH03, EX. 2" COND.-48'
REM & RE ELCBL FR CON-99'
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ELCBL C SIGNAL 14 7C-64'

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

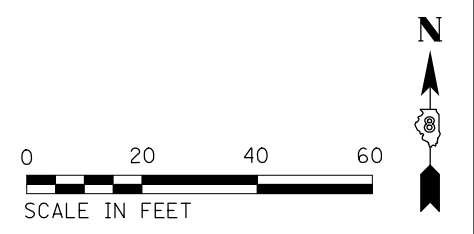
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	↕	NOT USED	↖	↗	↘	NOT USED	↔
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

PHASE 4 AND PHASE 8 SHALL TIME CONCURRENTLY



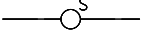



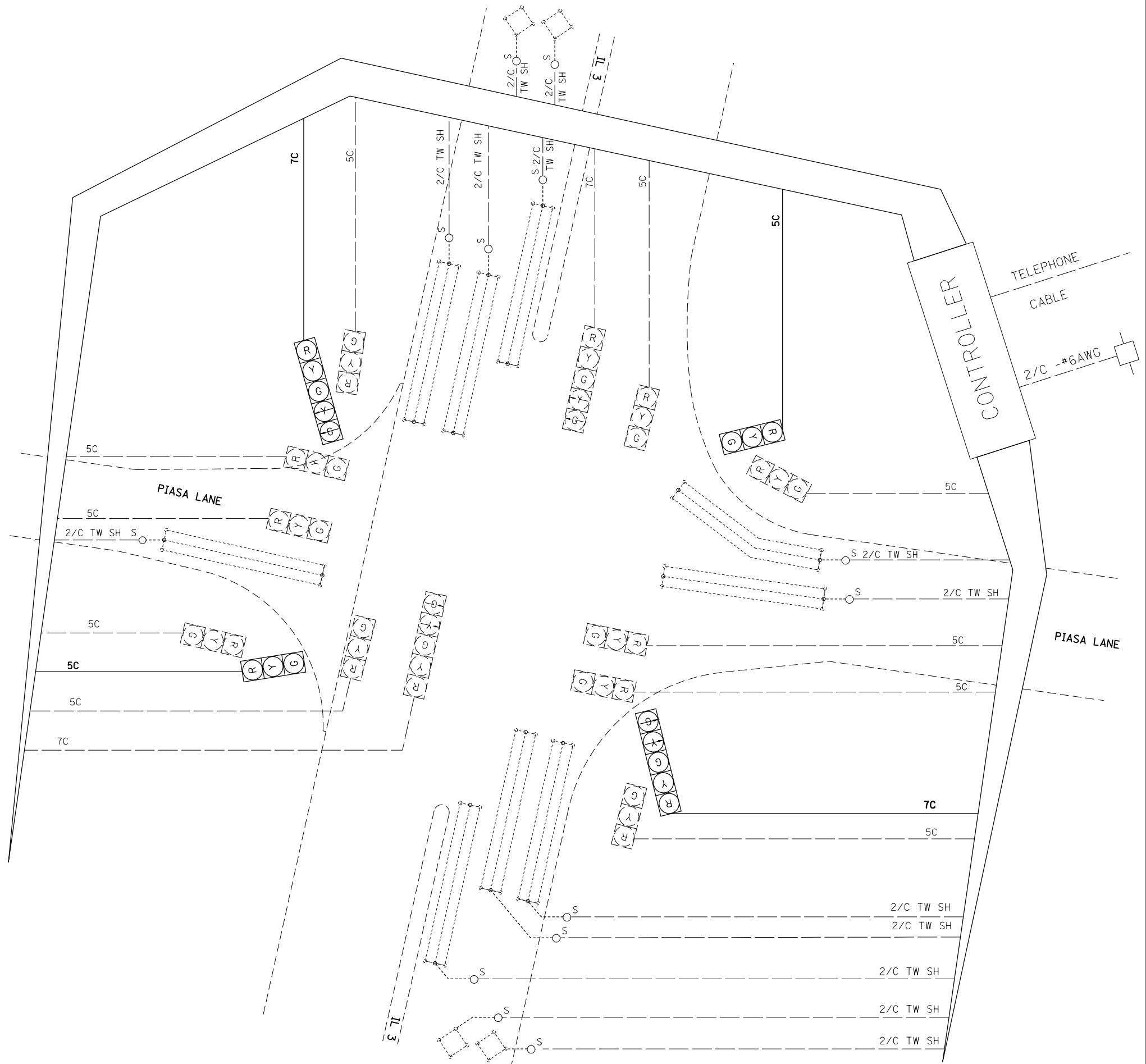
SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	415
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	548
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 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	5439



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



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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 3 & PIASA LANE (HARTFORD, MADISON CNTY.)
CABLE DIAGRAM**

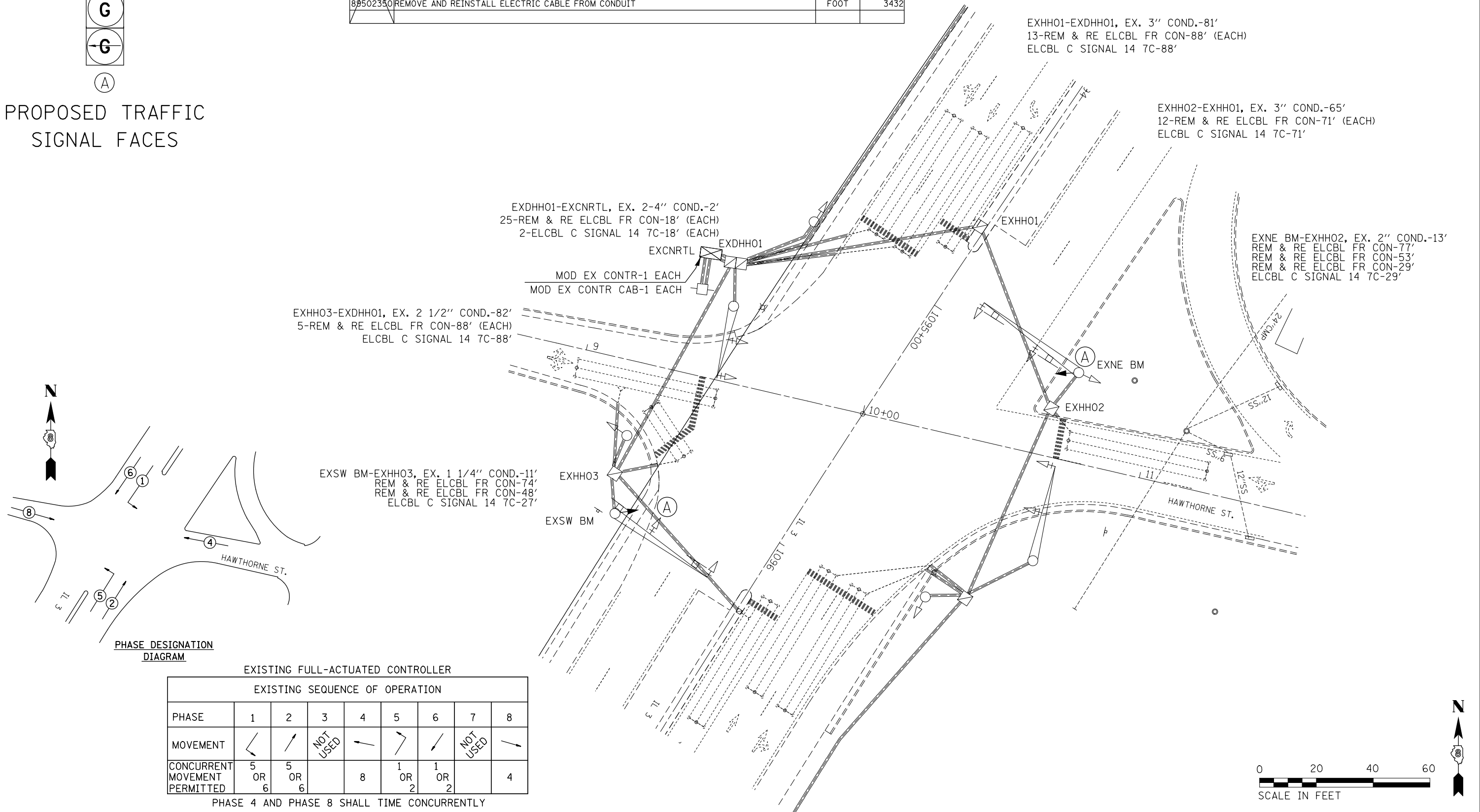
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	47
•=VARIOUS		CONTRACT NO. 76H77		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87501255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	339
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-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	3432

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		8	1 OR 2	1 OR 2		4

PHASE 4 AND PHASE 8 SHALL TIME CONCURRENTLY



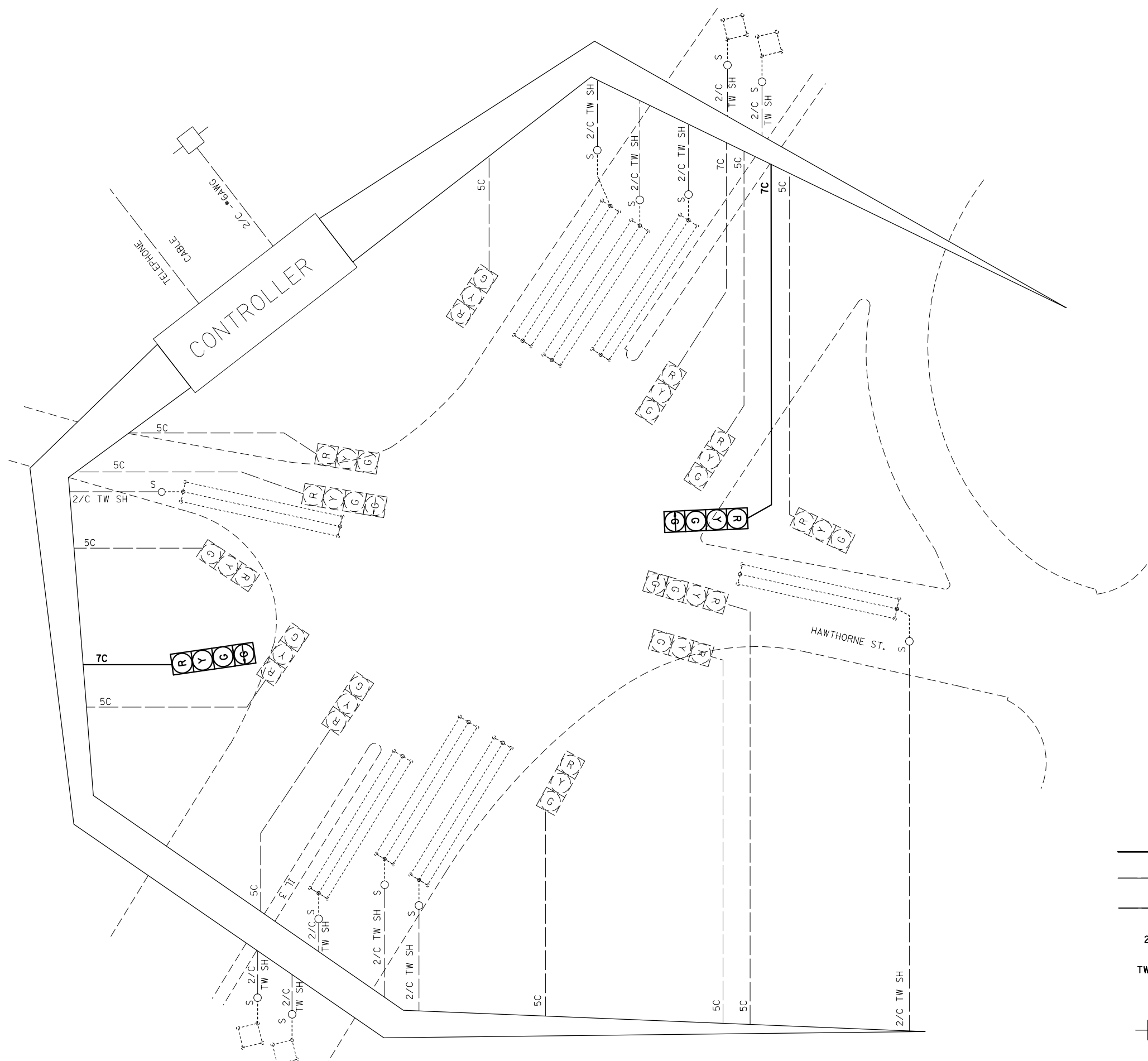
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		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



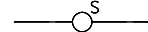

IL 3 & HAWTHORNE ST (HARTFORD, MADISON CNTY.)
 TRAFFIC SIGNAL PLANS

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	48
*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

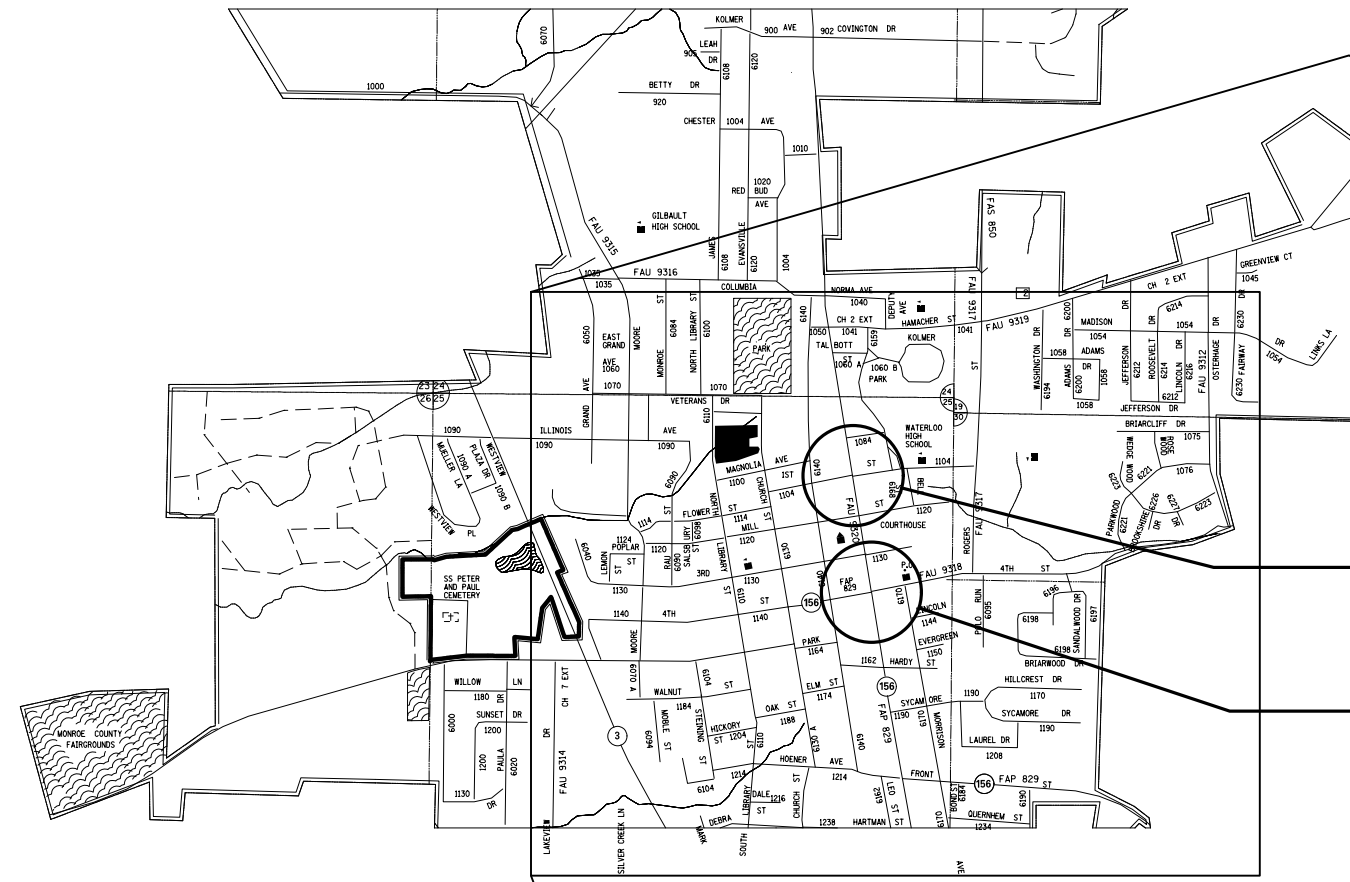
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 3 & HAWTHORNE ST (HARTFORD, MADISON CNTY.)
CABLE DIAGRAM**

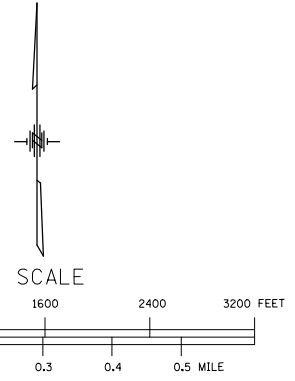
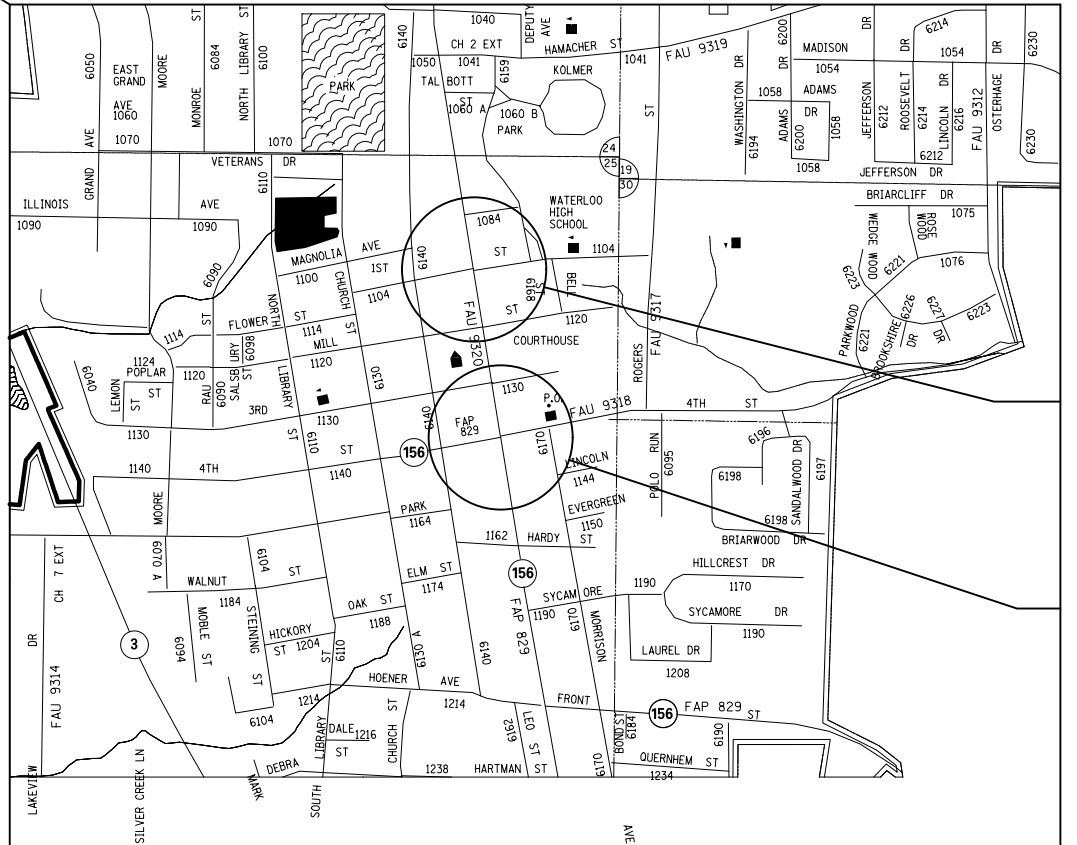
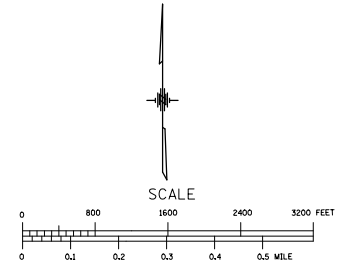
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	49
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MARKET ST.
&
1ST ST.

IL 156/4TH ST.
&
MARKET

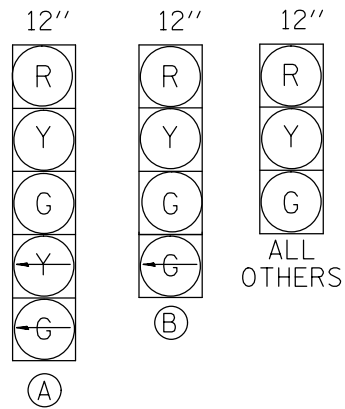


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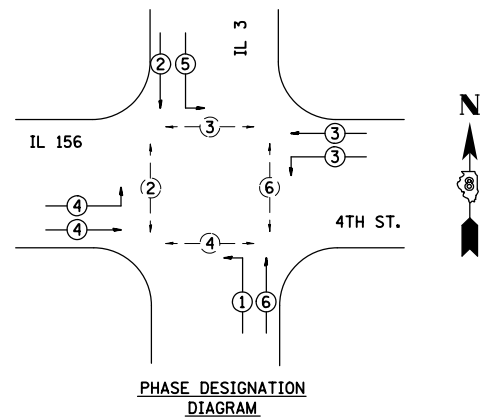
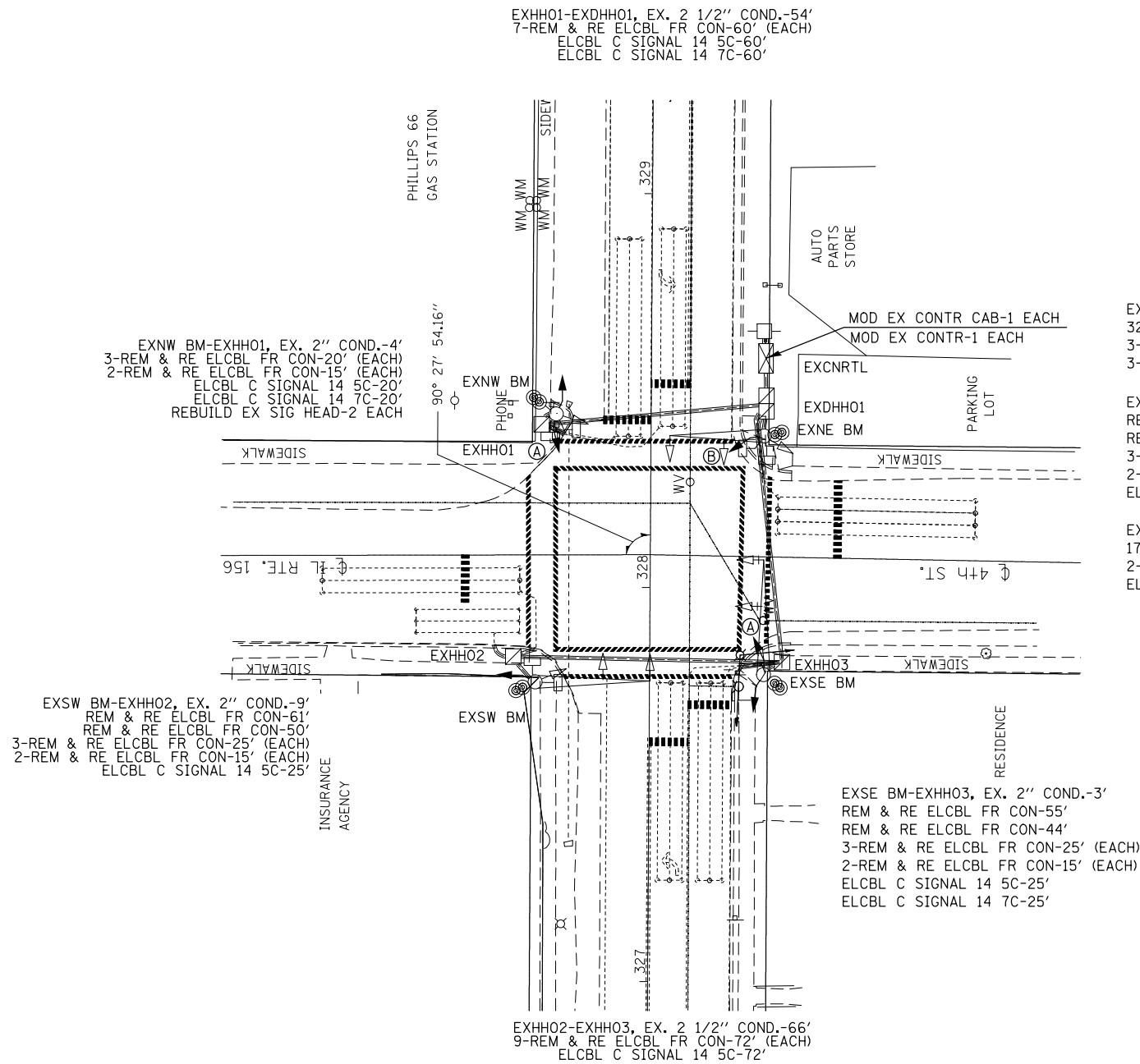
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP WATERLOO, MONROE CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dig 8 TS 2015-1	•	91	50
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES



EXISTING FULL-ACTUATED CONTROLLER

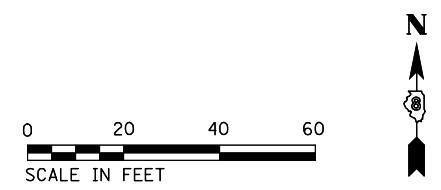
EXISTING SEQUENCE OF OPERATION

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



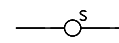
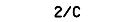


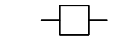
* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

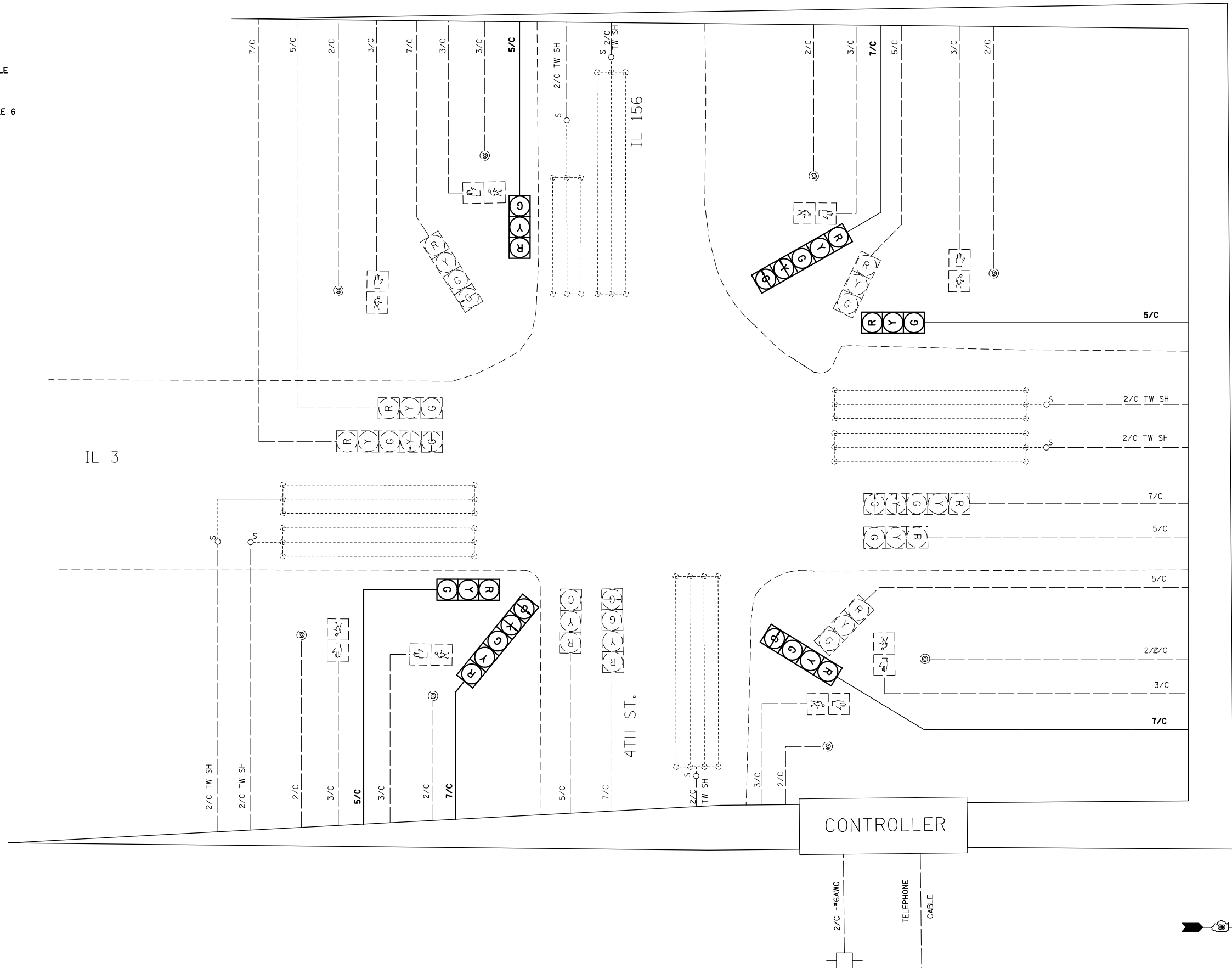
SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	427
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	235
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-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	3585



CABLE DIAGRAM LEGEND

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



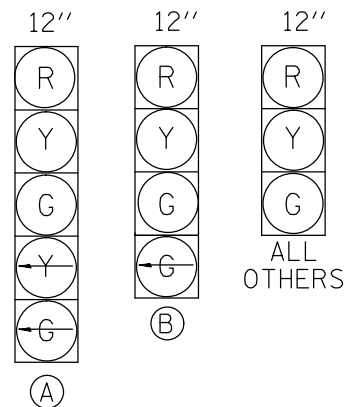
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

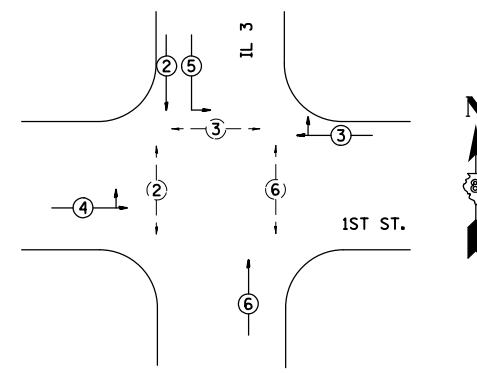
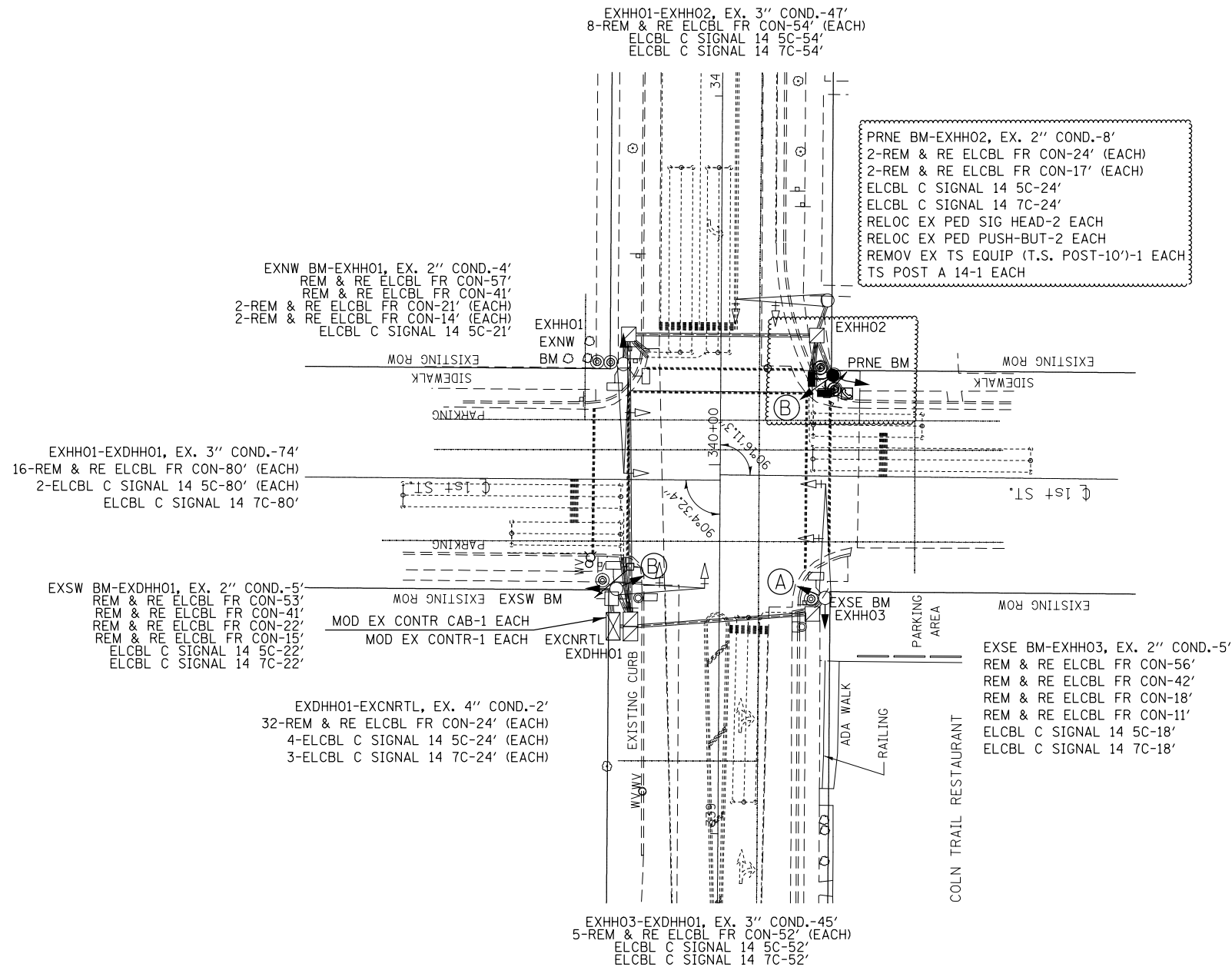
**IL 156/4TH ST & MARKET (WATERLOO, MONROE CNTY.)
CABLE DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	VARIOUS	91	52
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES



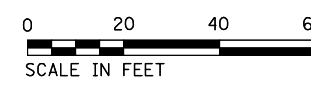
PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER
EXISTING SEQUENCE OF OPERATION



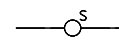
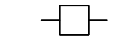
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	SB	WB	EB	SBLT	NB	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	NOT USED	5 OR 6	NONE	NONE	2	2	NOT USED	NOT USED

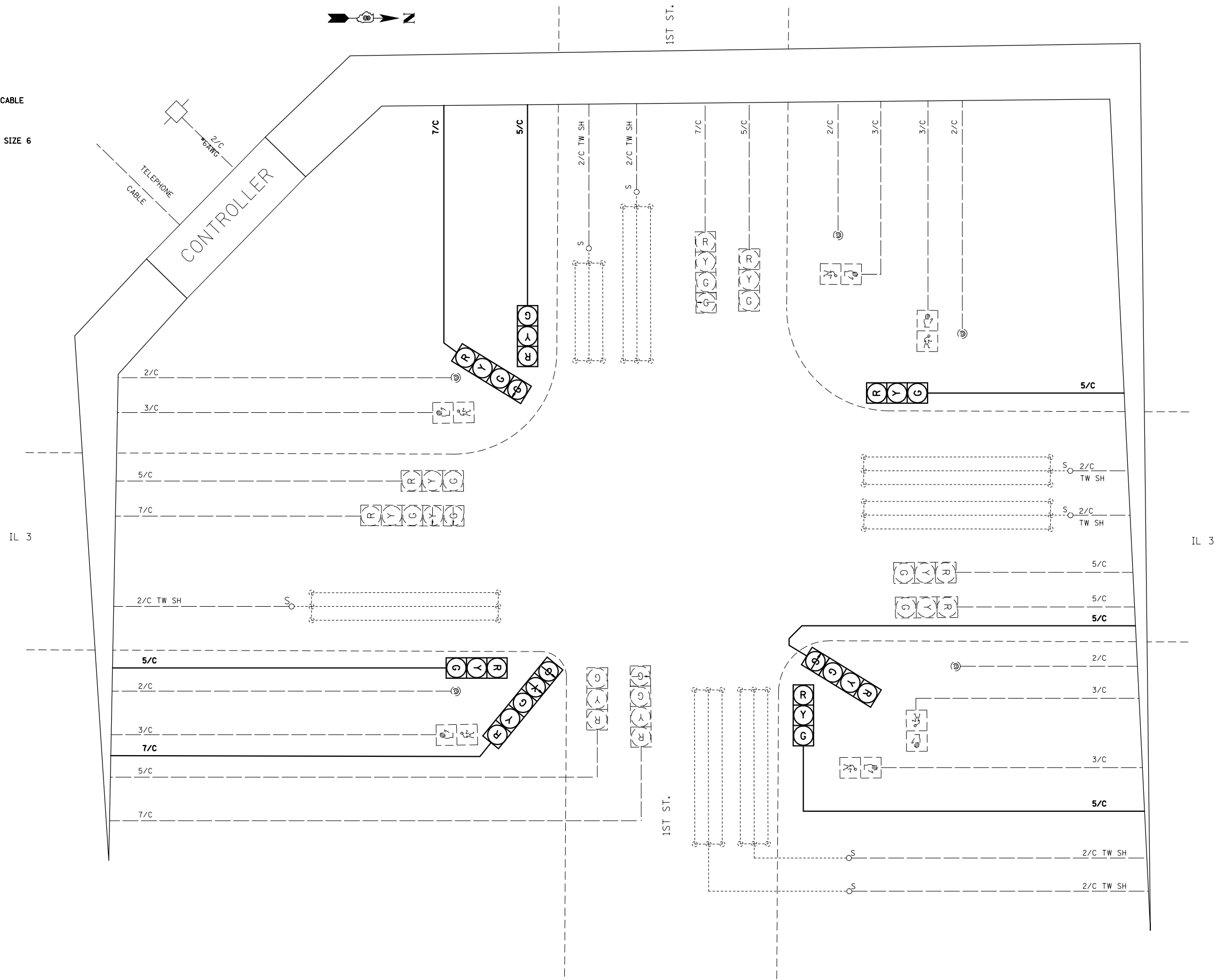
* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	447
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	322
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	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	1
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3279
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



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



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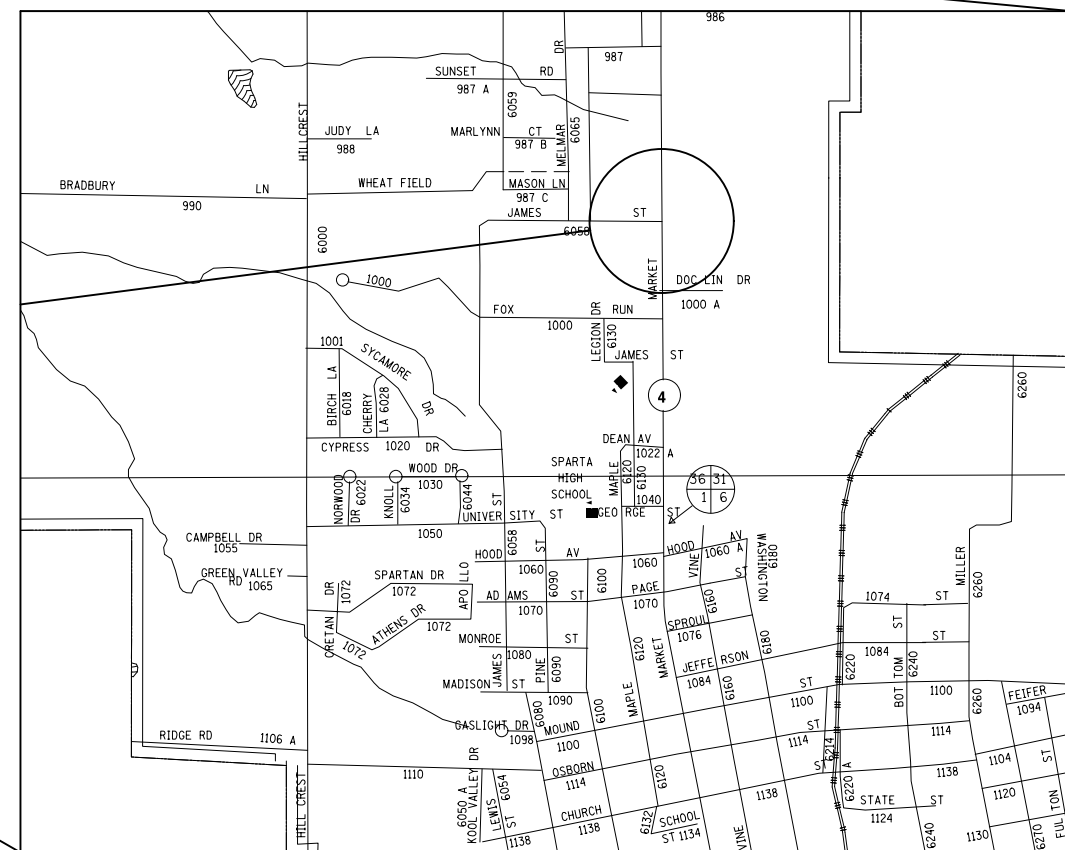
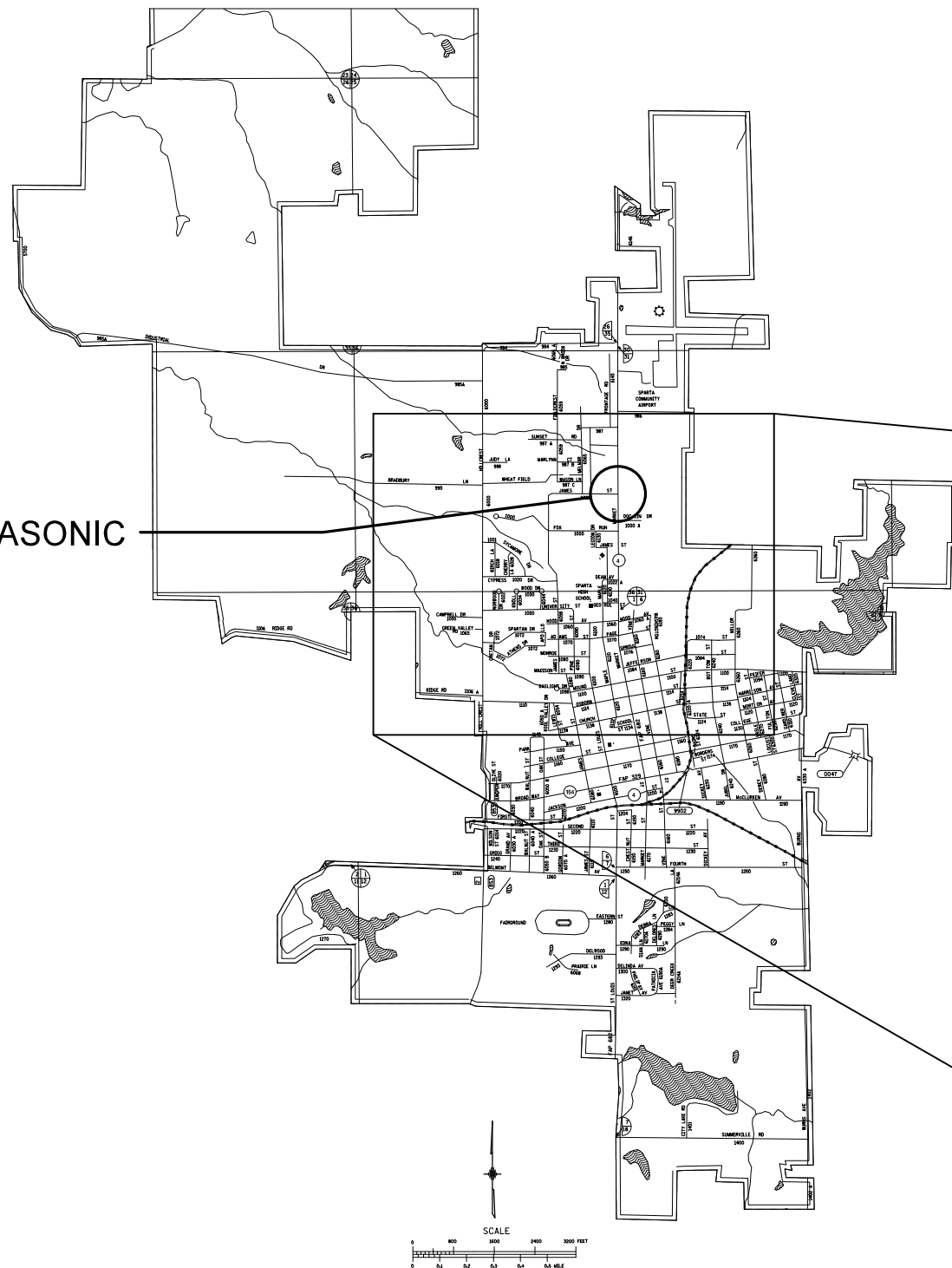
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 3 & 1ST ST. (WATERLOO, MONROE CNTY.)
CABLE DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	VARIOUS	91	54
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

IL 4 & MASONIC

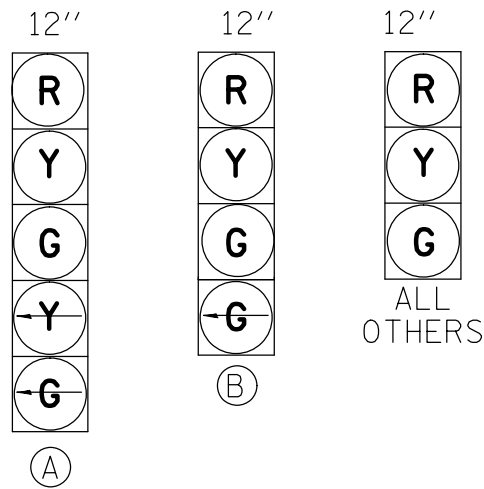


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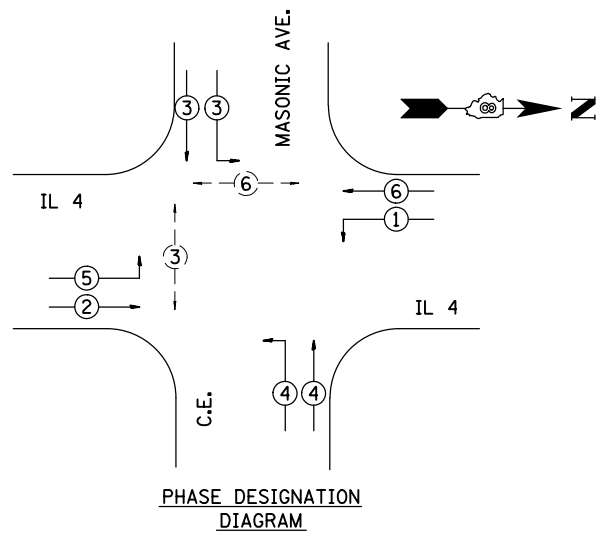
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP SPARTA, RANDOLPH CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	55
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

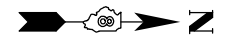
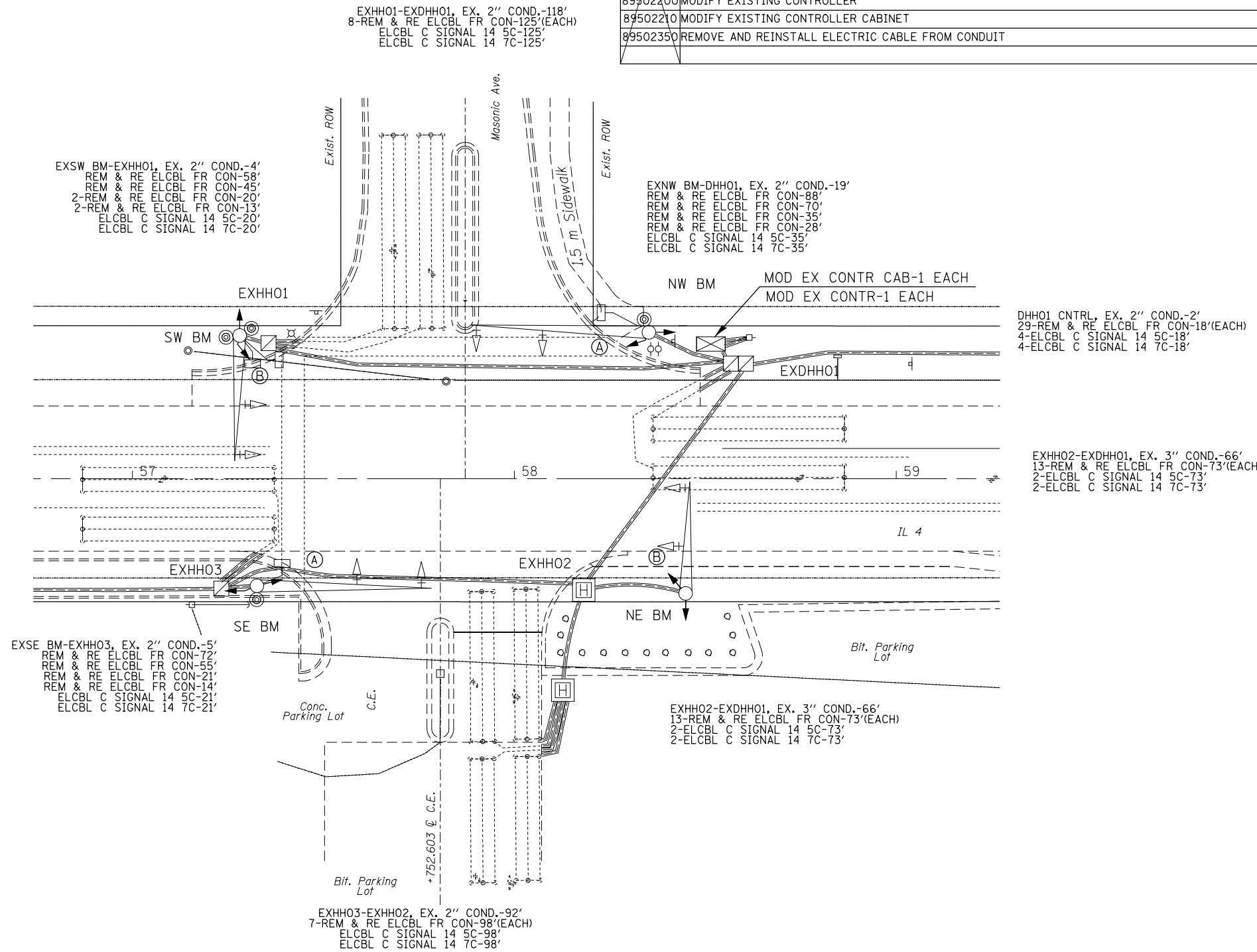
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION


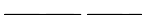
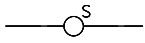
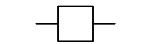
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	SBLT	NB	EB	WB	NBLT	SB	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

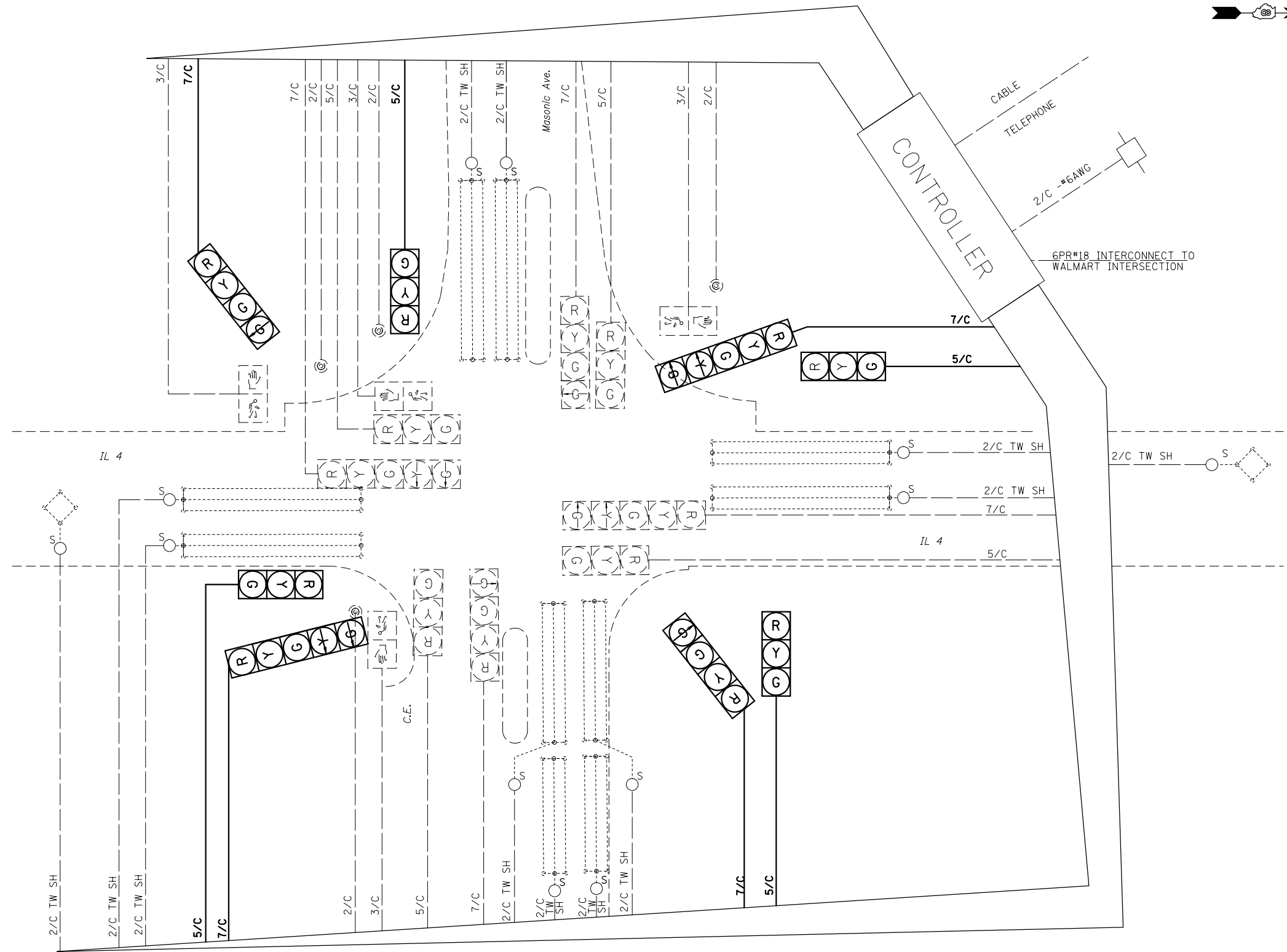
* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	557
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	557
88040070	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	3844



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



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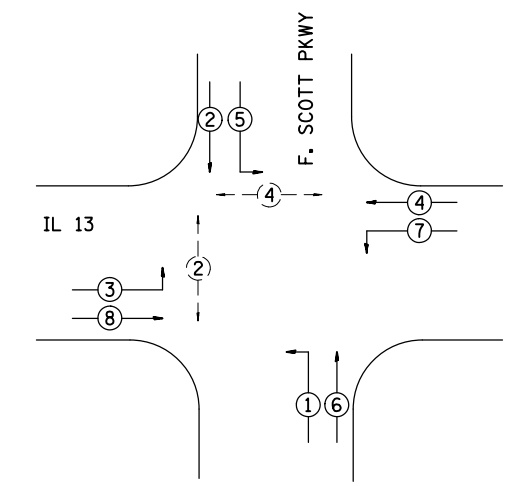
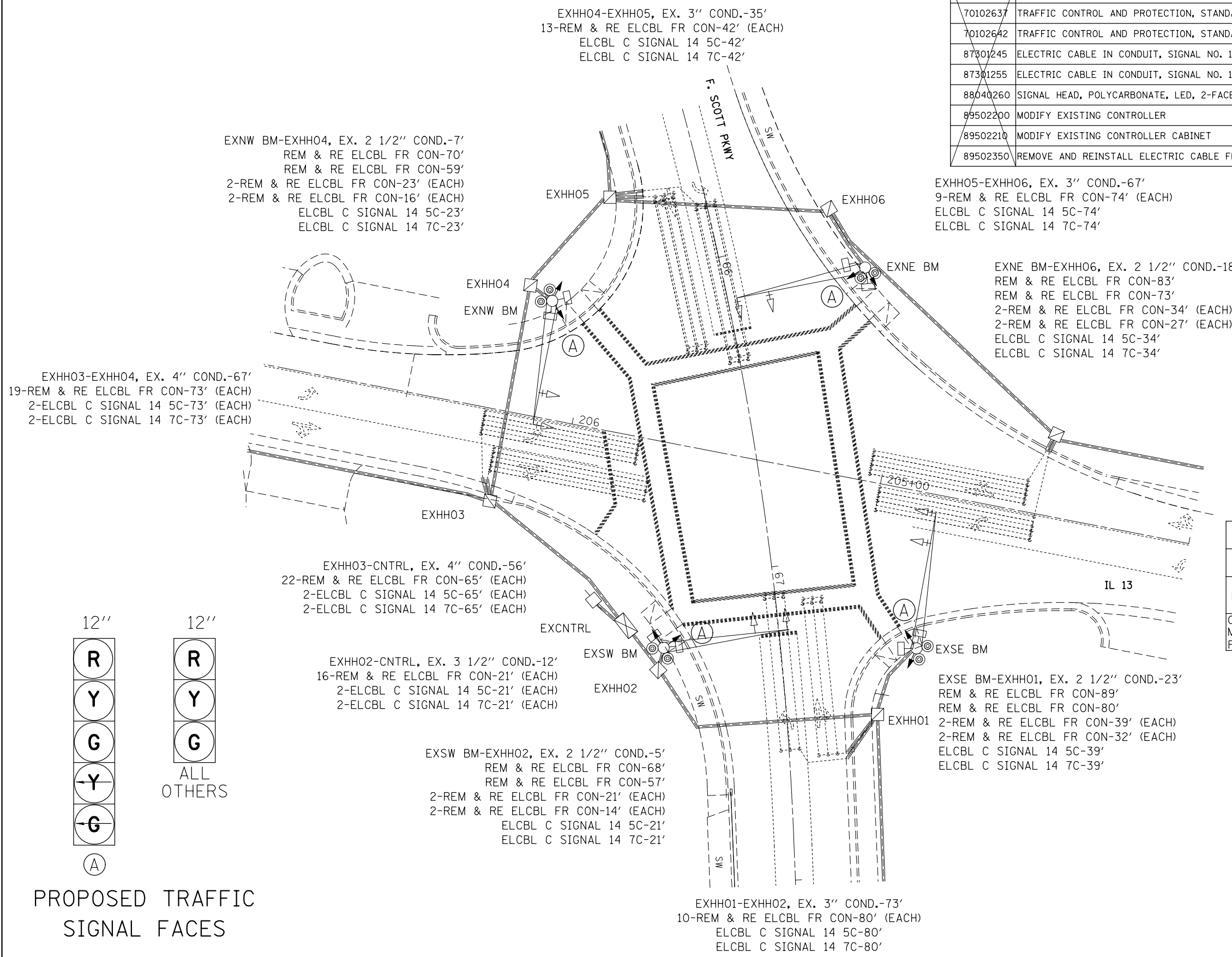
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 4 & MASONIC (SPARTA, RANDOLPH CNTY.)
CABLE DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	57
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	631
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	631
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	6156

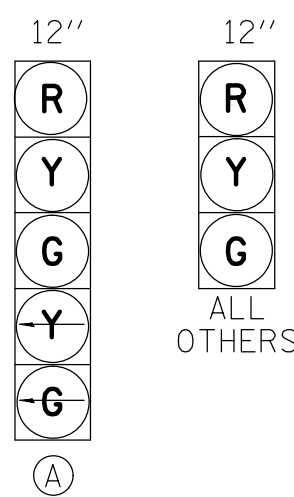


EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

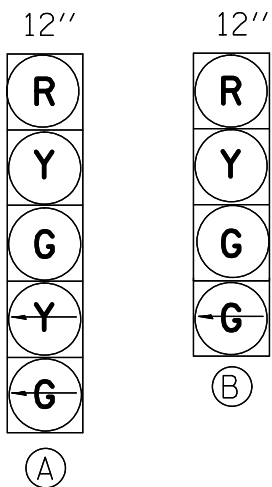
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↖	↕*	↗	↔	↘	↕	↖	↗
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



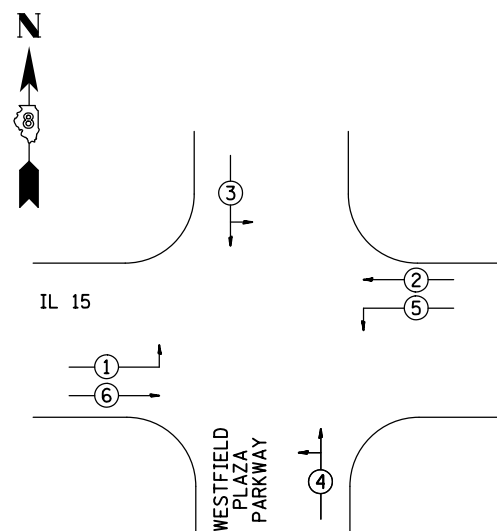
PROPOSED TRAFFIC SIGNAL FACES





PROPOSED TRAFFIC SIGNAL FACES

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	893
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
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	7314

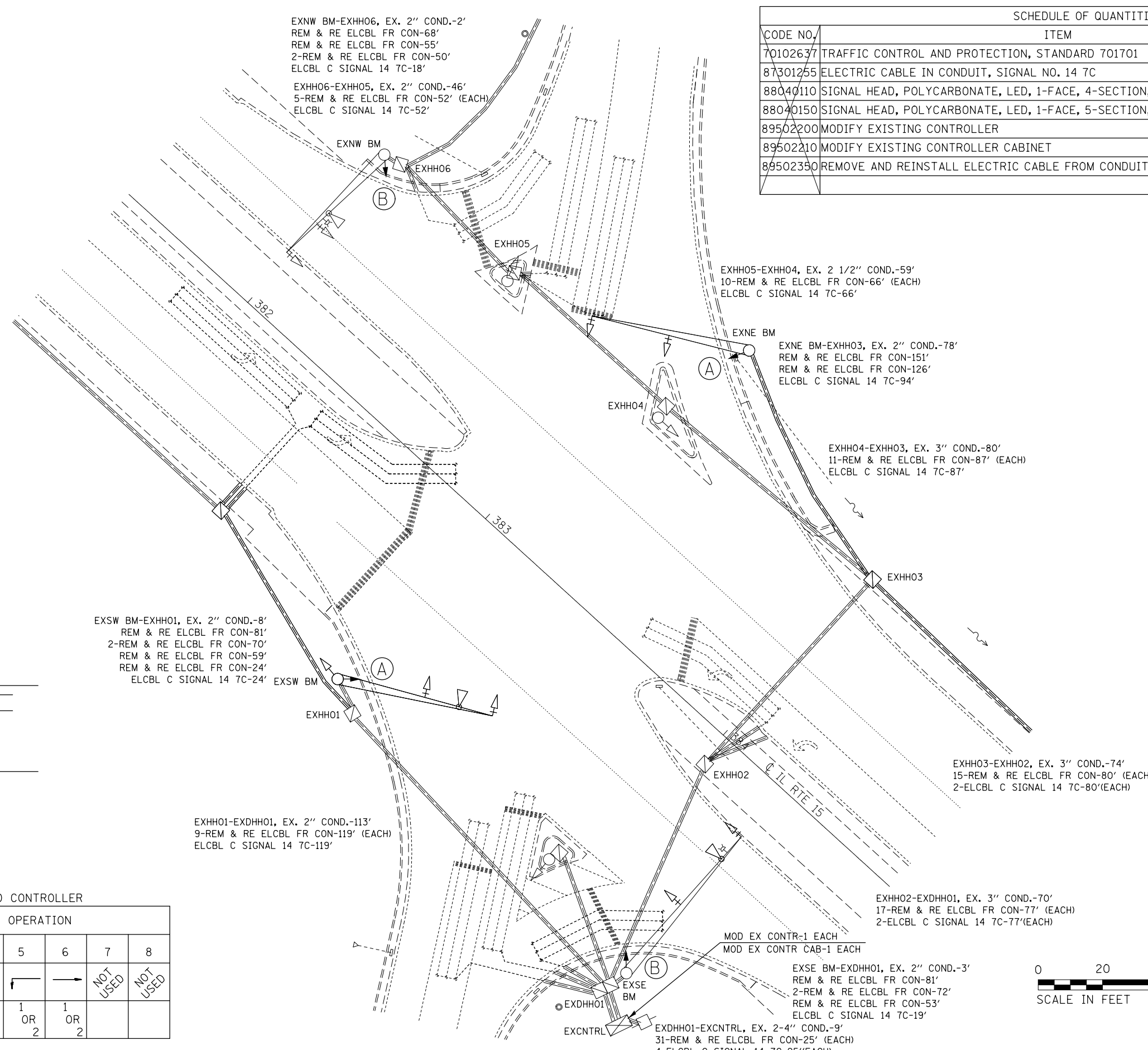


PHASE DESIGNATION DIAGRAM

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		



SCALE IN FEET

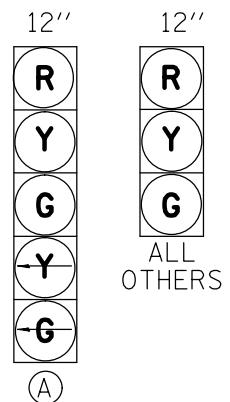
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 15 & WESTFIELD PLAZA PARKWAY(BELLEVILLE, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLANS

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	63
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TRAFFIC SIGNAL FACES

EXNW BM-EXCNTRL, EX. 2" COND.-5'
 REM & RE ELCBL FR CON-70'
 REM & RE ELCBL FR CON-51'
 REM & RE ELCBL FR CON-21'
 ELCBL C SIGNAL 14 7C-21'

EXDHH01-EXCNTRL, EX. 4" COND.-5'
 24-REM & RE ELCBL FR CON-21'(EACH)
 3-REM ELCBL FR CON-21'(EACH)
 (RE: REM EXNE TS P & SH, EXSW TS P & SH
 AND EXSE TS P & SH)
 3-ELCBL C SIGNAL 14 5C-21' (EACH)
 3-ELCBL C SIGNAL 14 7C-21' (EACH)

EXHH03-EXDHH01, EX. 3.5" COND.-63'
 17-REM & RE ELCBL FR CON-70'(EACH)
 2-REM ELCBL FR CON-70' (EACH)
 (RE: REM EXSW TS P & SH AND EXSE TS P & SH)
 2-ELCBL C SIGNAL 14 5C-70' (EACH)
 2-ELCBL C SIGNAL 14 7C-70' (EACH)

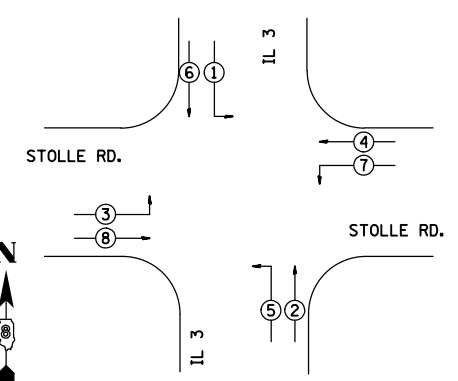
EXHH01-EXDHH01, EX. 2.5" COND.-103'
 7-REM & RE ELCBL FR CON-110'(EACH)
 REM ELCBL FR CON-110' (RE: REM EXNE TS P & SH)
 ELCBL C SIGNAL 14 5C-110'
 ELCBL C SIGNAL 14 7C-110'

EXNE BM-EXHH02, EX. 2" COND.-23'
 REM & RE ELCBL FR CON-92'
 REM & RE ELCBL FR CON-88'
 REM & RE ELCBL FR CON-65'
 ELCBL C SIGNAL 14 5C-39'
 ELCBL C SIGNAL 14 7C-39'

EXHH02-EXHH01, EX. 2" COND.-34'
 7-REM & RE ELCBL FR CON-45'(EACH)
 ELCBL C SIGNAL 14 5C-45'
 ELCBL C SIGNAL 14 7C-45'

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT-2 EACH
 (EXSW TS P & SH, REM FND ANCHORS FLUSH TO FND AND
 SEAL CONDUIT FLUSH TO FND)

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT-2 EACH
 (EXSE TS P & SH, REM FND ANCHORS FLUSH TO FND AND
 SEAL CONDUIT FLUSH TO FND)



PHASE DESIGNATION DIAGRAM

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

EXHH04-EXHH03, EX. 2" COND.-40'
 7-REM & RE ELCBL FR CON-47'(EACH)
 2-ELCBL C SIGNAL 14 5C-47' (EACH)
 2-ELCBL C SIGNAL 14 7C-47' (EACH)

EXSW BM-EXHH04, EX. 2" COND.-18'
 REM & RE ELCBL FR CON-79'
 REM & RE ELCBL FR CON-69'
 REM & RE ELCBL FR CON-54'
 ELCBL C SIGNAL 14 5C-34'
 ELCBL C SIGNAL 14 7C-34'

EXHH05-EXHH03, EX. 2.5" COND.-94'
 7-REM & RE ELCBL FR CON-100'(EACH)
 REM ELCBL FR CON-100'(RE: REM EXSE TS P & SH)
 ELCBL C SIGNAL 14 5C-100'
 ELCBL C SIGNAL 14 7C-100'

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	684
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	705
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	3
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	439
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4587
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6



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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 3 & STOLLE RD. (S. OF CAHOKIA, ST. CLAIR CNTY.)			
TRAFFIC SIGNAL PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTD.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	66
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

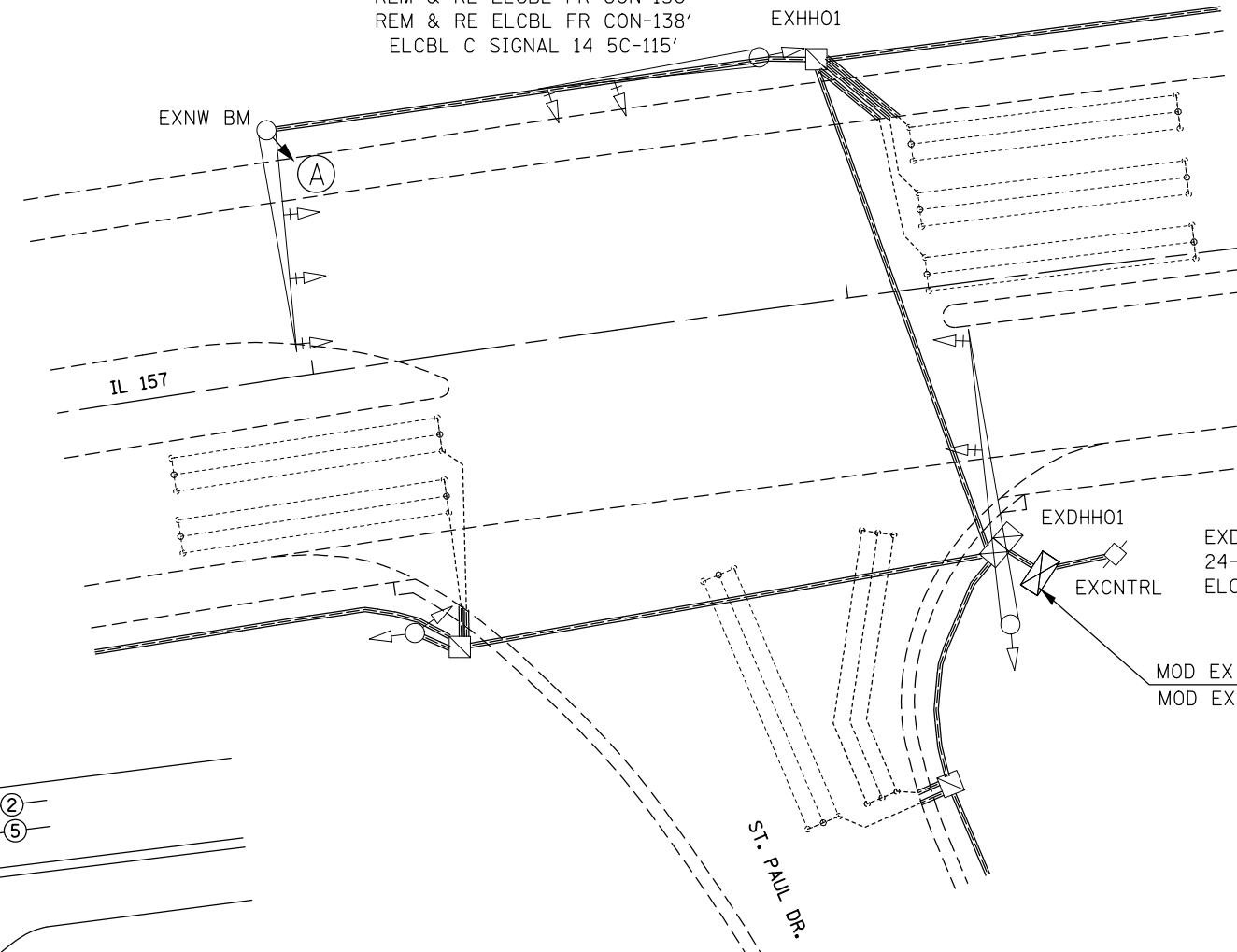
12"



PROPOSED TRAFFIC SIGNAL FACES

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	236
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-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	2054

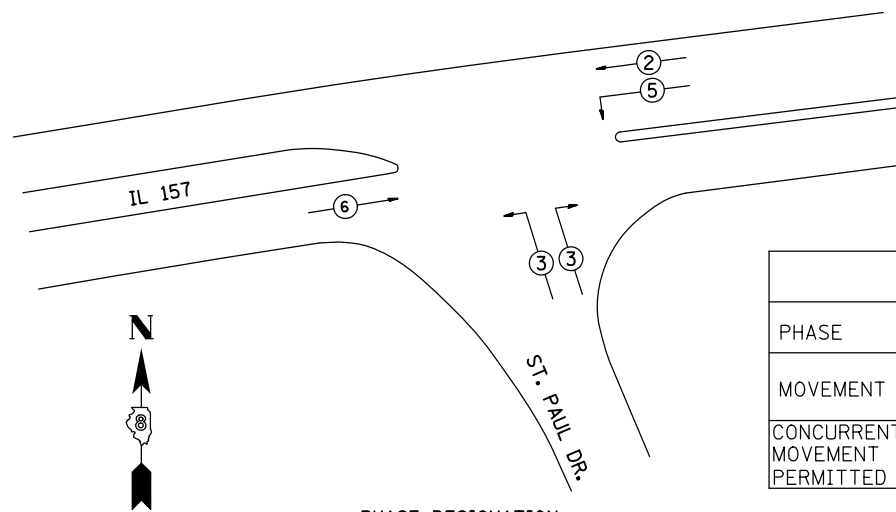
EXNW BM-EXHH01, EX. 2" COND.-99'
 REM & RE ELCBL FR CON-162'
 REM & RE ELCBL FR CON-150'
 REM & RE ELCBL FR CON-138'
 ELCBL C SIGNAL 14 5C-115'



EXHH01-EXDHH01, EX. 3" COND.-94'
 11-REM & RE ELCBL FR CON-100' (EACH)
 ELCBL C SIGNAL 14 5C-100'

EXDHH01-CNTRL, EX. 5" COND.-5'
 24-REM & RE ELCBL FR CON-21' (EACH)
 ELCBL C SIGNAL 14 5C-21'

MOD EX CONTR CAB-1 EACH
 MOD EX CONTR-1 EACH



PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	← WB	↑ NB	NOT USED	↙ WBLT	→ EB	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED		5 OR 6	NONE		2	2		



SCALE IN FEET

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	PLOT DATE = 9/11/2015	DATE -	REVISED -


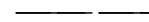
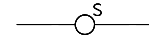
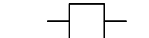
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

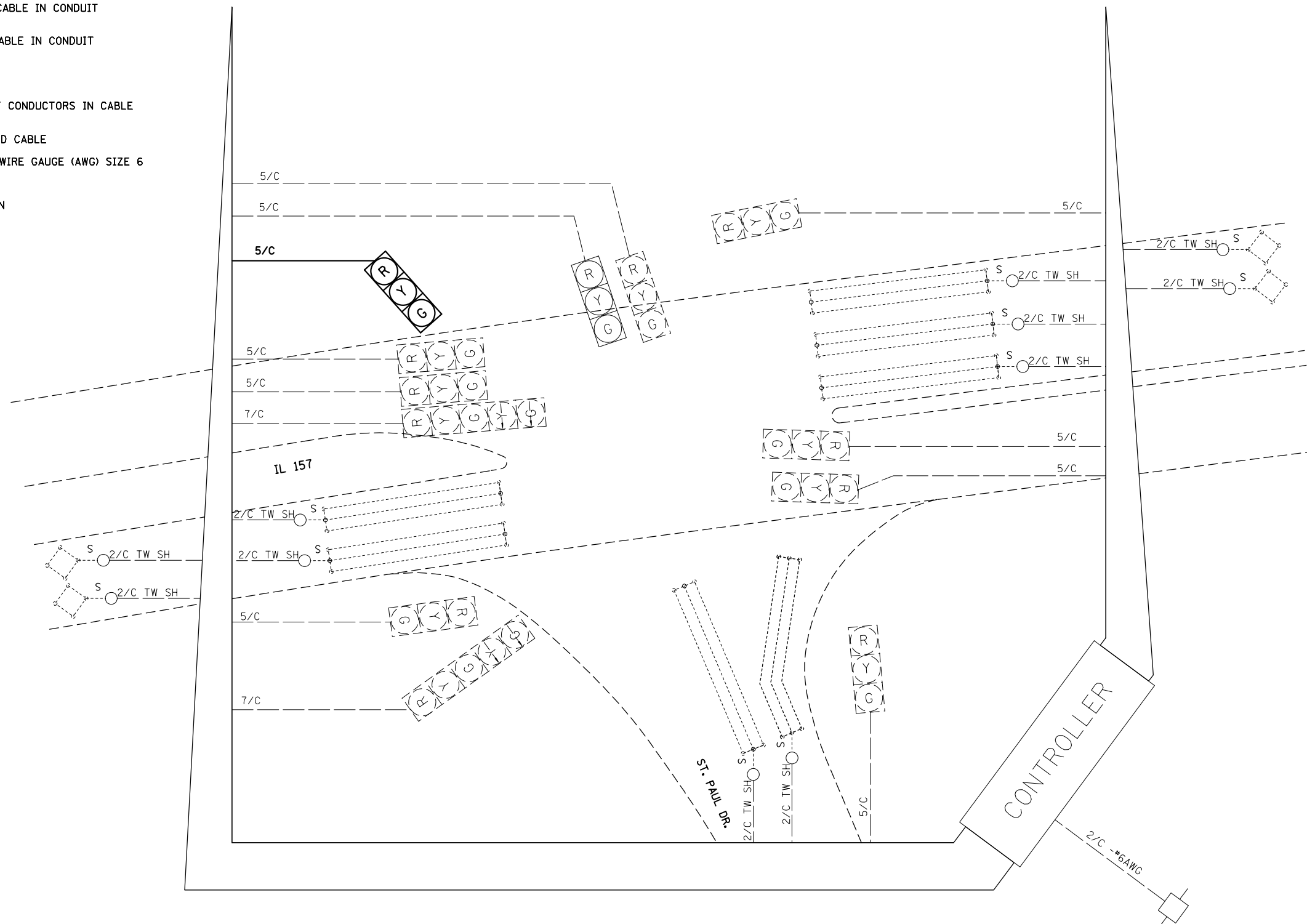
IL 157 & ST. PAUL (CAHOKIA, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLANS

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

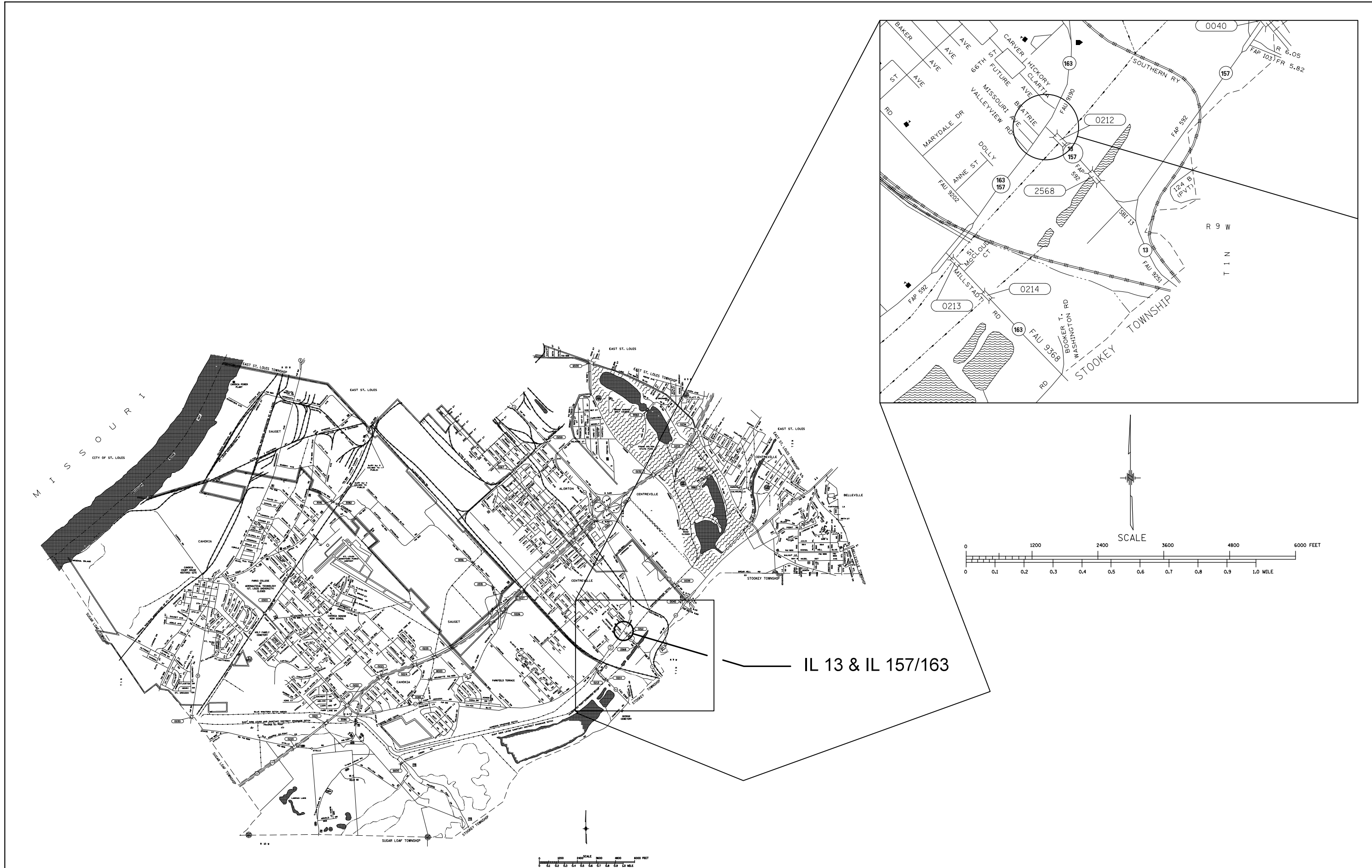
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2015-1	•	91	68
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

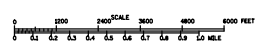


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PLOT SCALE = 33.3333' / in.					SHEET NO. OF SHEETS STA. TO STA.			**VARIOUS				
PLOT DATE = 9/11/2015					DATE			CONTRACT NO. 76H77				
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



IL 13 & IL 157/163

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		DATE -	REVISED -


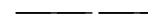
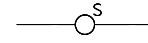
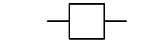


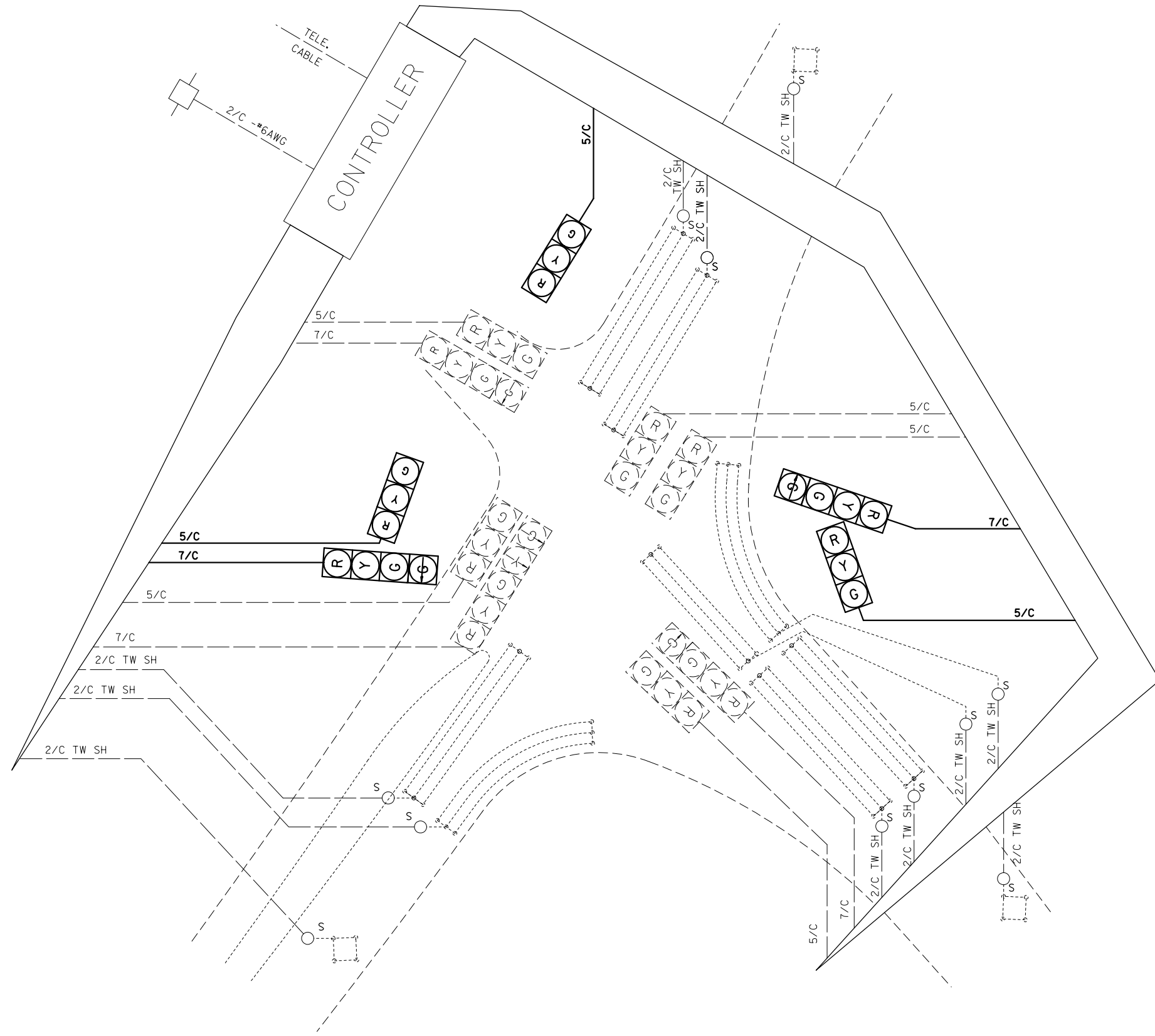
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP CENTREVILLE, ST. CLAIR CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	70
* = 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



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 13 & IL 157/163 (CENTREVILLE, ST. CLAIR CNTY.) CABLE DIAGRAM	RTS.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 33.3333' / in.						•=VARIOUS	CONTRACT NO. 76H77				
PLOT DATE = 9/11/2015						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

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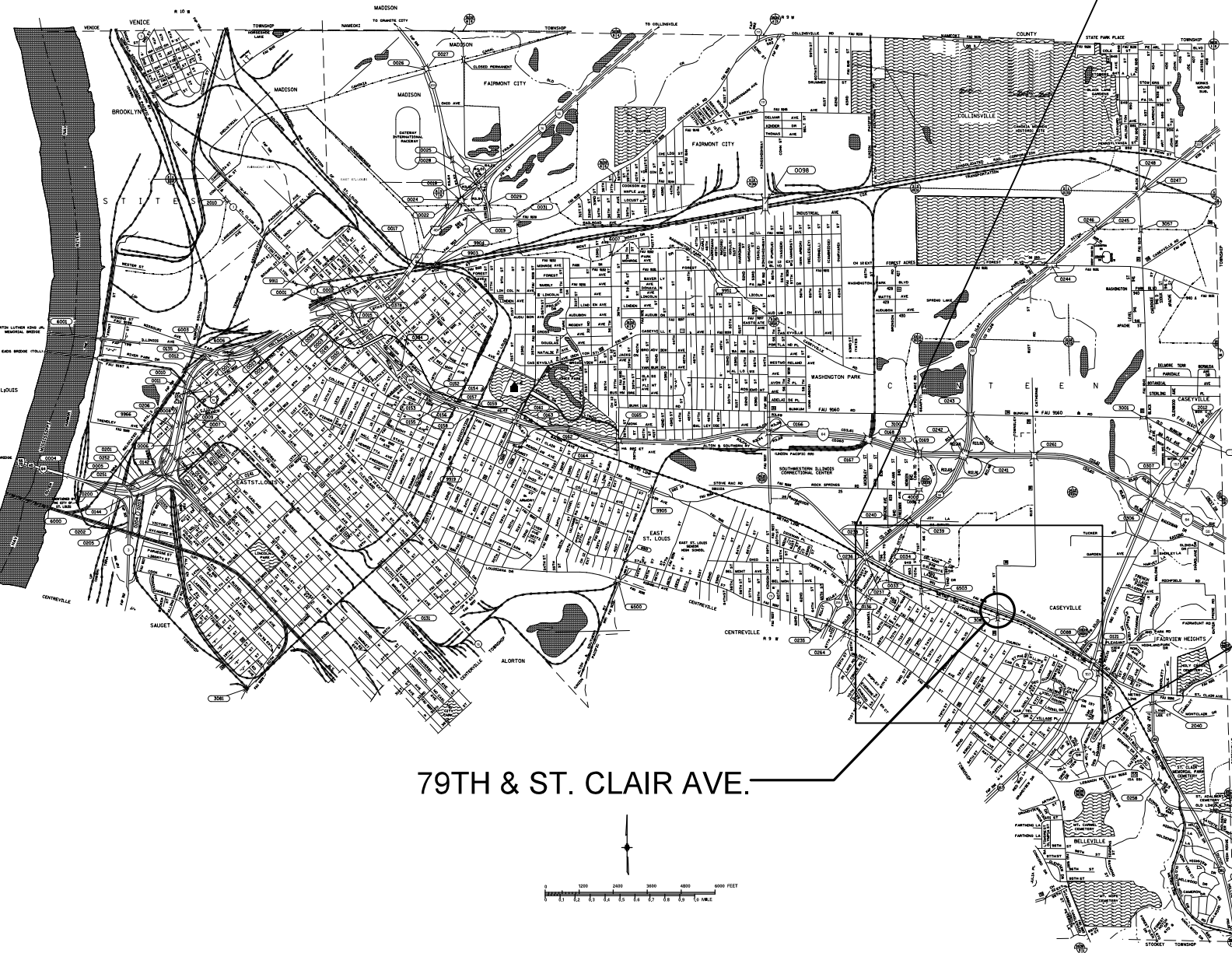
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CENTREVILLE

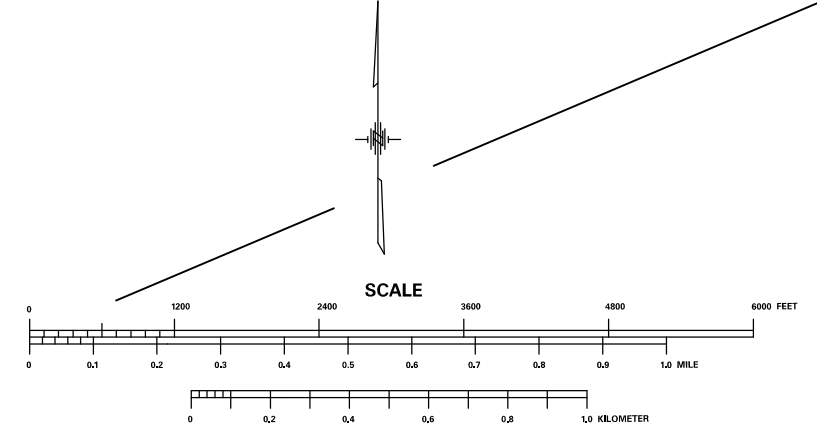
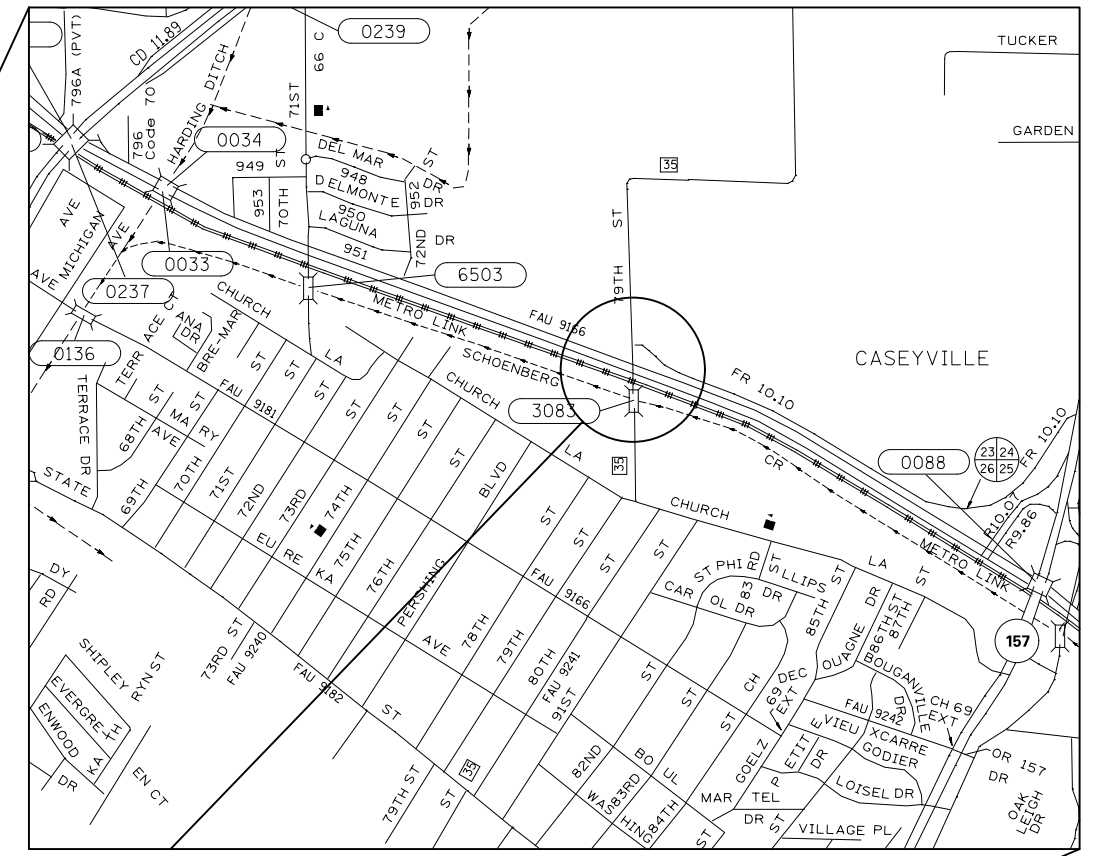
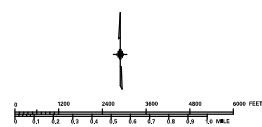
EAST ST. LOUIS

WASHINGTON PARK

CASEVILLE



79TH & ST. CLAIR AVE.



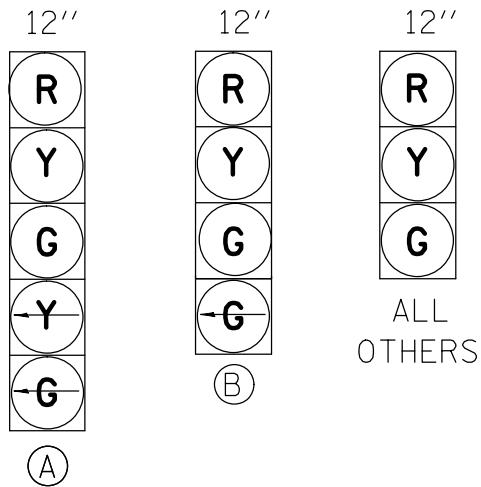
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
EAST SAINT LOUIS, ST. CLAIR CNTY.**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	73
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TRAFFIC SIGNAL FACES

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	747
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	747
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	3995

EXH01-CNTRL, EX. 2 1/2" COND.-38'
 6-REM & RE ELCBL FR CON-44' (EACH)
 2-ELCBL C SIGNAL 14 5C-44' (EACH)
 2-ELCBL C SIGNAL 14 7C-44' (EACH)

EXH01-EXH02, EX. 2" COND.-52'
 4-REM & RE ELCBL FR CON-58' (EACH)
 ELCBL C SIGNAL 14 5C-58'
 ELCBL C SIGNAL 14 7C-58'

EXNW BM-EXH02, EX. 2" COND.-26'
 REM & RE ELCBL FR CON-98'
 REM & RE ELCBL FR CON-74'
 ELCBL C SIGNAL 14 5C-42'
 ELCBL C SIGNAL 14 7C-42'

EXNE BM-EXH01, EX. 2" COND.-7'
 REM & RE ELCBL FR CON-67'
 REM & RE ELCBL FR CON-56'
 ELCBL C SIGNAL 14 5C-24'
 ELCBL C SIGNAL 14 7C-24'

MOD EX CONTR-1 EACH
 MOD EX CONTR CAB-1 EACH

EXH03-CNTRL, EX. 3" COND.-46'
 16-REM & RE ELCBL FR CON-55' (EACH)
 2-ELCBL C SIGNAL 14 5C-55' (EACH)
 2-ELCBL C SIGNAL 14 7C-55' (EACH)

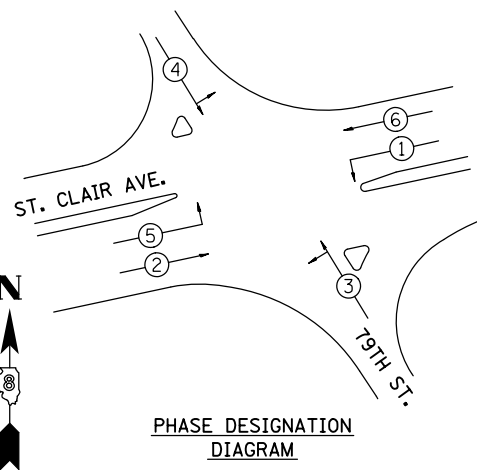
EXH03-EXH04, EX. 2 1/2" COND.-53'
 12-REM & RE ELCBL FR CON-59' (EACH)
 2-ELCBL C SIGNAL 14 5C-59' (EACH)
 2-ELCBL C SIGNAL 14 7C-59' (EACH)

EXH04-EXH05, EX. 2 1/2" COND.-44'
 11-REM & RE ELCBL FR CON-51' (EACH)
 2-ELCBL C SIGNAL 14 5C-51'
 2-ELCBL C SIGNAL 14 7C-51'

EXSE BM-EXH05, EX. 2" COND.-42'
 REM & RE ELCBL FR CON-114'
 REM & RE ELCBL FR CON-87'
 ELCBL C SIGNAL 14 5C-58'
 ELCBL C SIGNAL 14 7C-58'

EXSW BM-EXH06, EX. 2" COND.-34'
 REM & RE ELCBL FR CON-93'
 REM & RE ELCBL FR CON-82'
 ELCBL C SIGNAL 14 5C-50'
 ELCBL C SIGNAL 14 7C-50'

EXH05-EXH06, EX. 2" COND.-90'
 7-REM & RE ELCBL FR CON-97' (EACH)
 ELCBL C SIGNAL 14 5C-97'
 ELCBL C SIGNAL 14 7C-97'



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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	PLOT DATE = 9/11/2015		


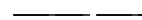
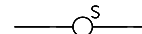
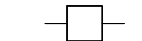
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

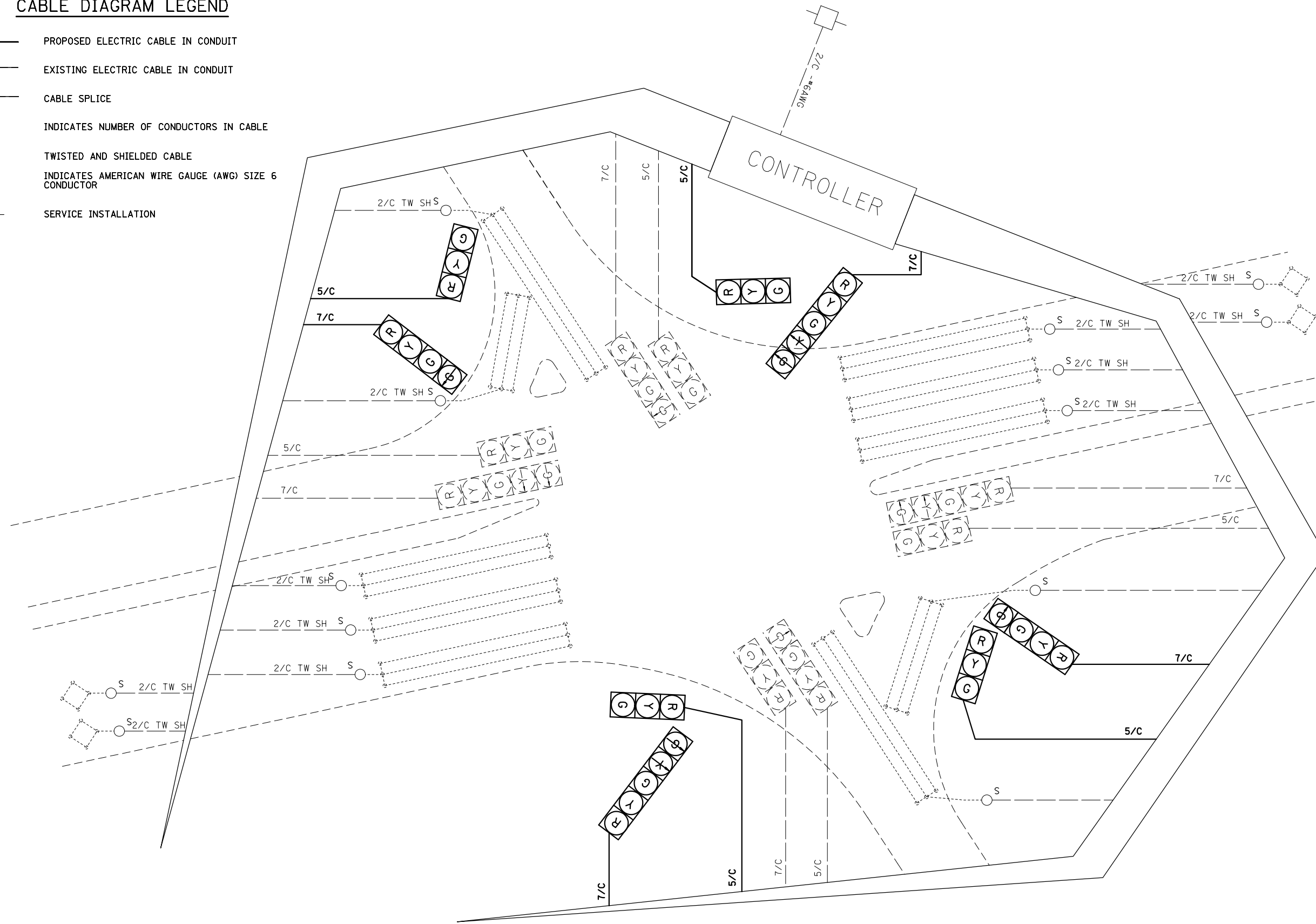
**79TH & ST CLAIR AVE. (E ST LOUIS, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLANS**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	74
•=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



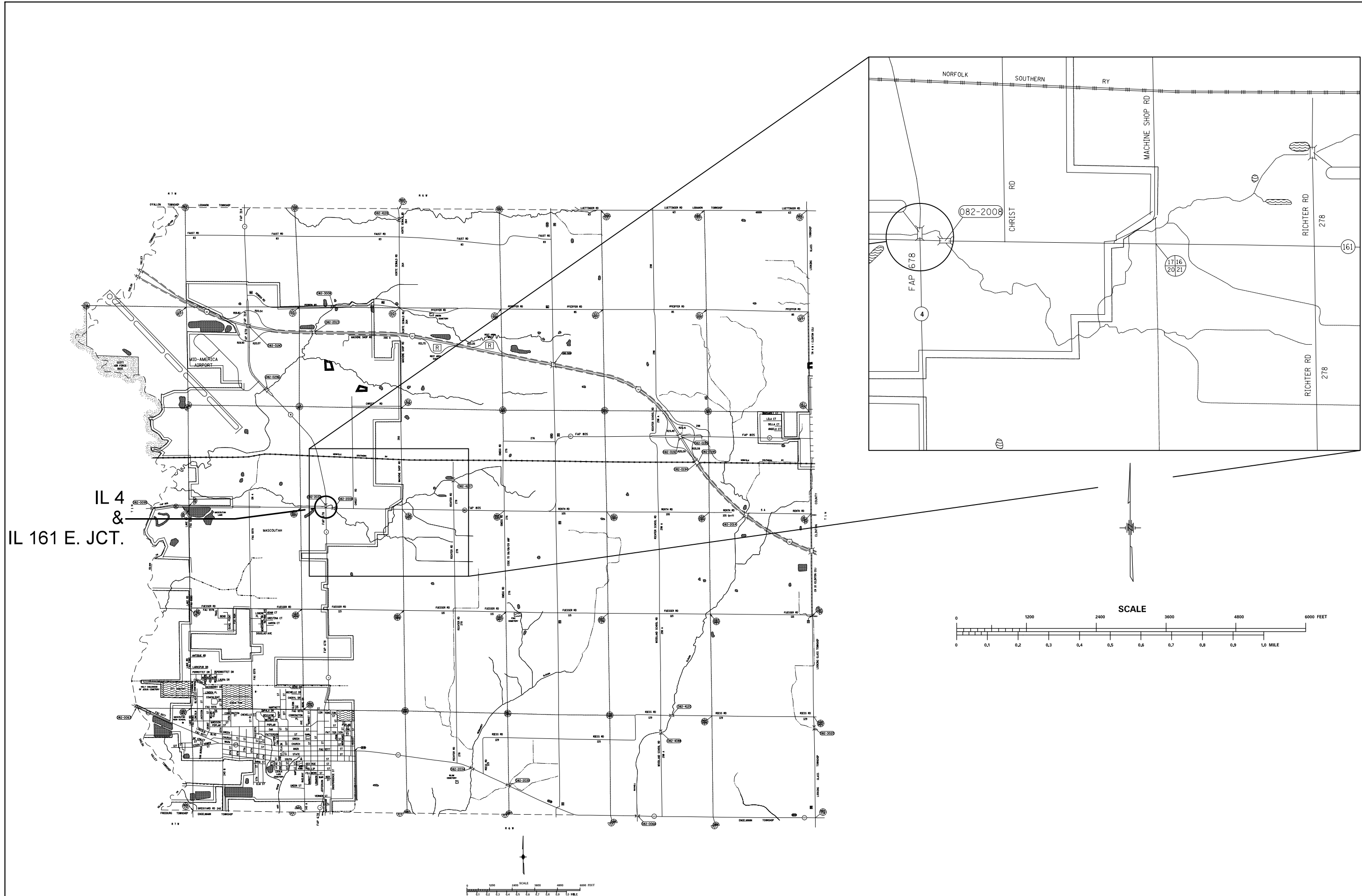
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

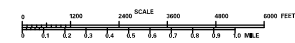
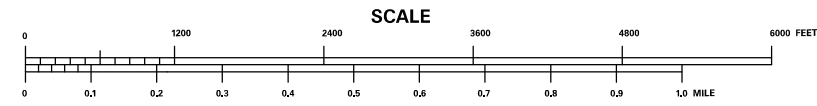
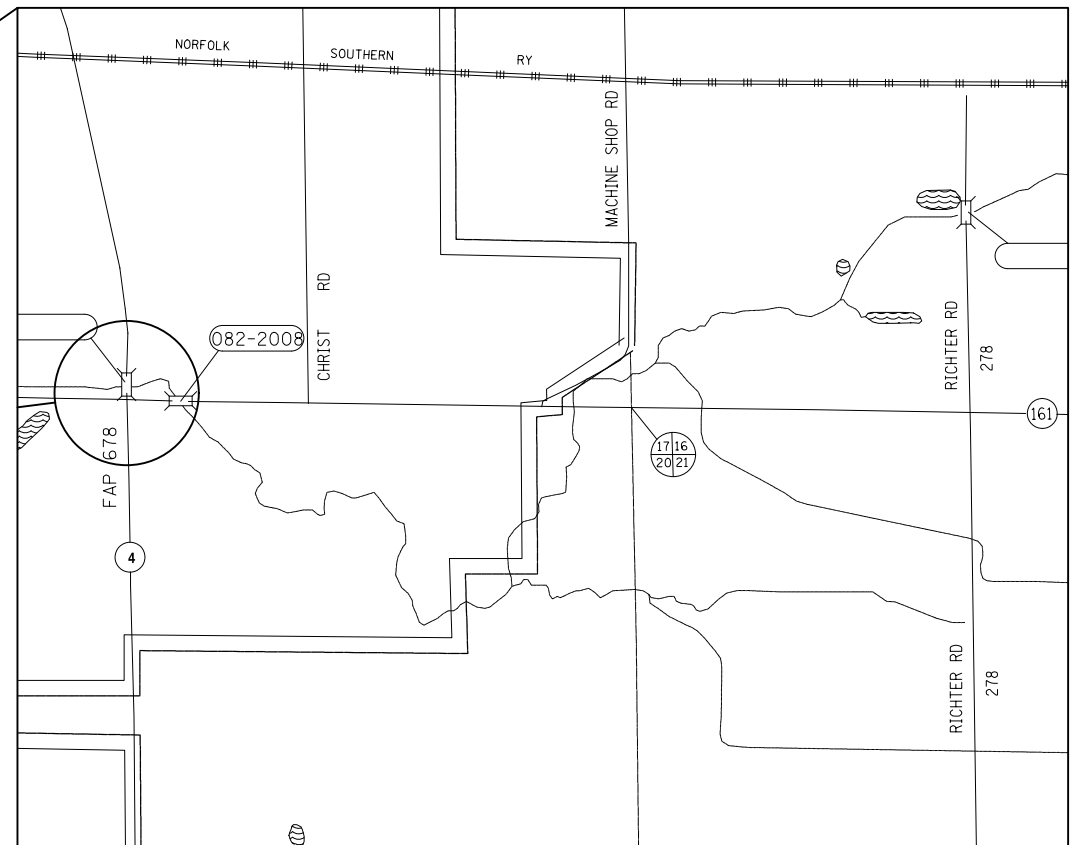
**79TH & ST CLAIR AVE. (E ST LOUIS, ST. CLAIR CNTY.)
CABLE DIAGRAM**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	75
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



IL 4
&
IL 161 E. JCT.

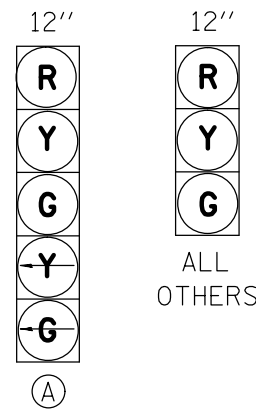


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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

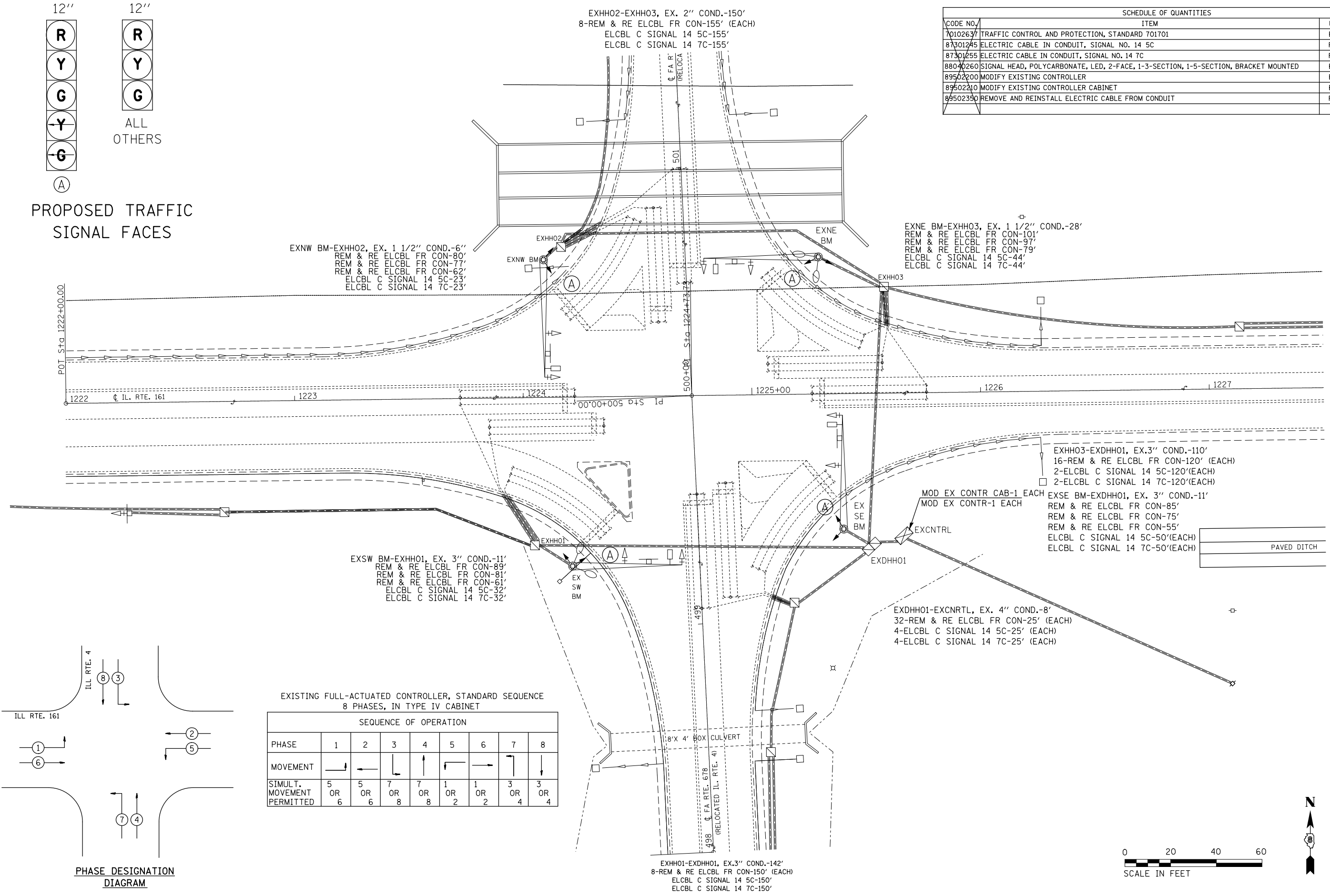
LOCATION MAP MASCOUTAH, ST. CLAIR CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	76
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



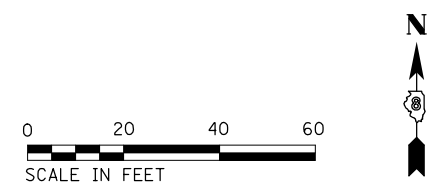
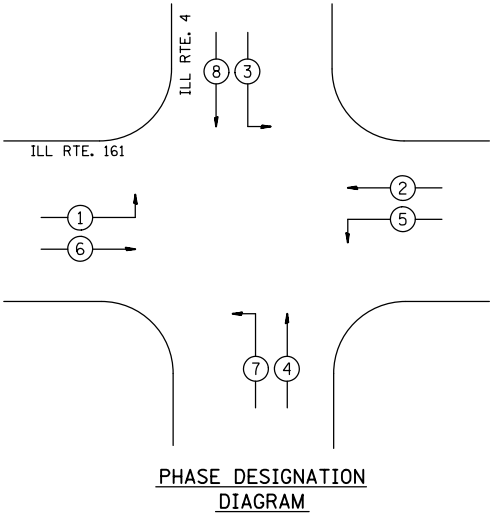
PROPOSED TRAFFIC SIGNAL FACES

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010267	TRAFFIC CONTROL AND PROTECTION, STANDARD 70101	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	624
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	624
8804260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5887



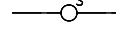
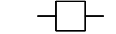


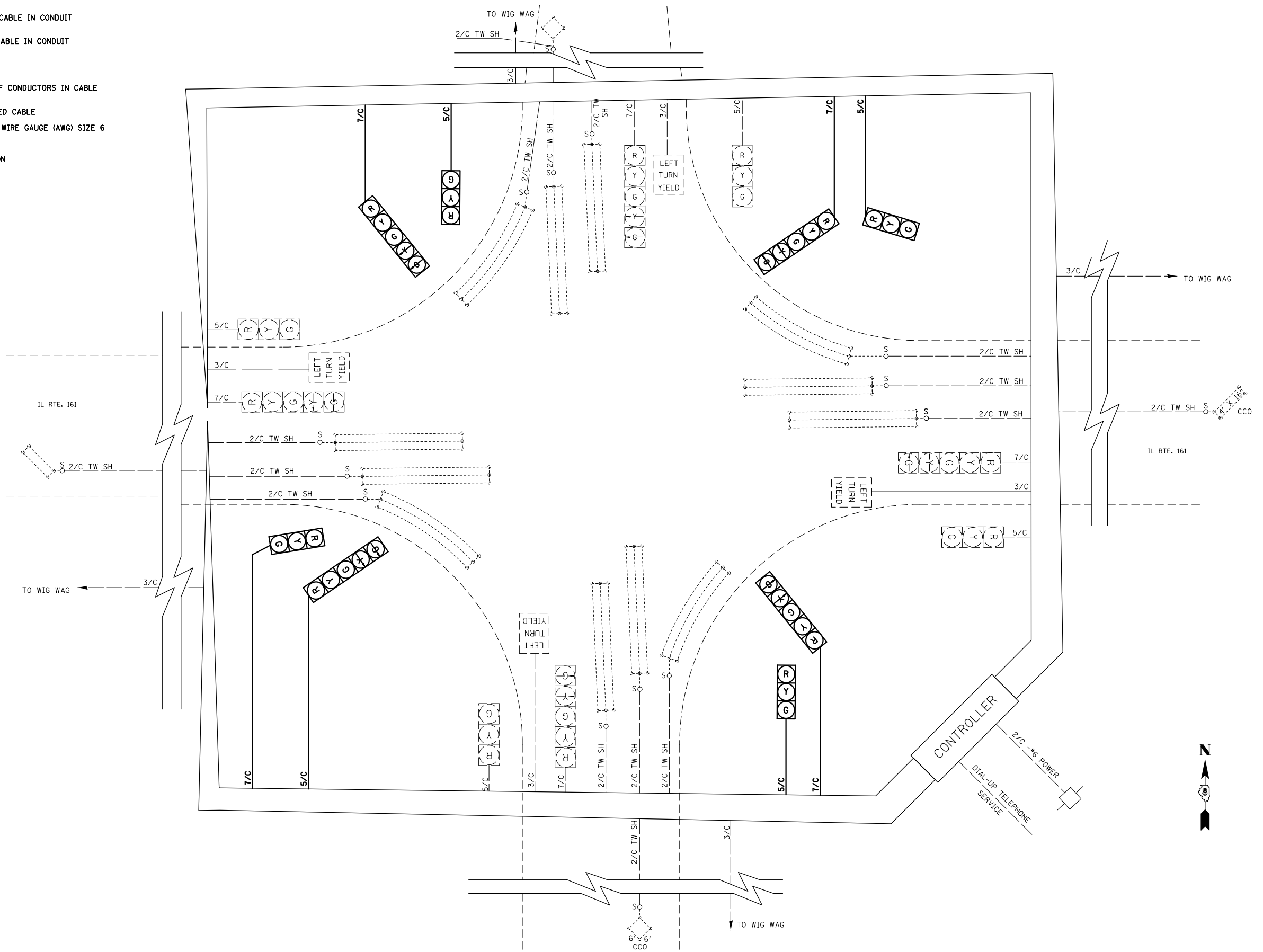
EXISTING FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE
8 PHASES, IN TYPE IV CABINET

SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↓	↑	↖	↗	↘	↙
SIMULT. 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



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



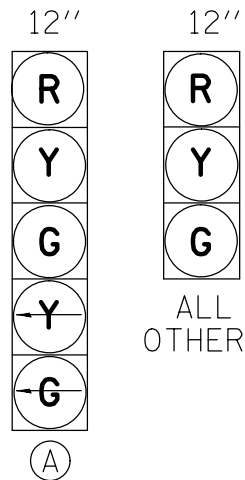
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

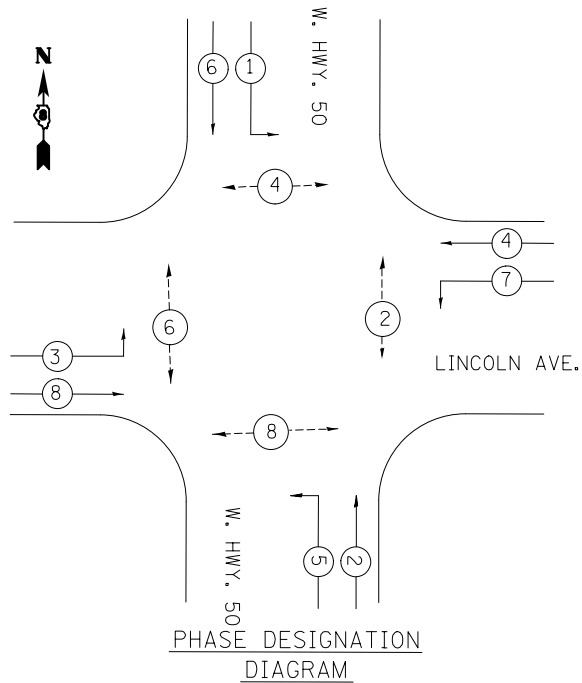
**IL 4 & IL 161 E JCT (MASCOUTAH, ST. CLAIR, CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	78
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

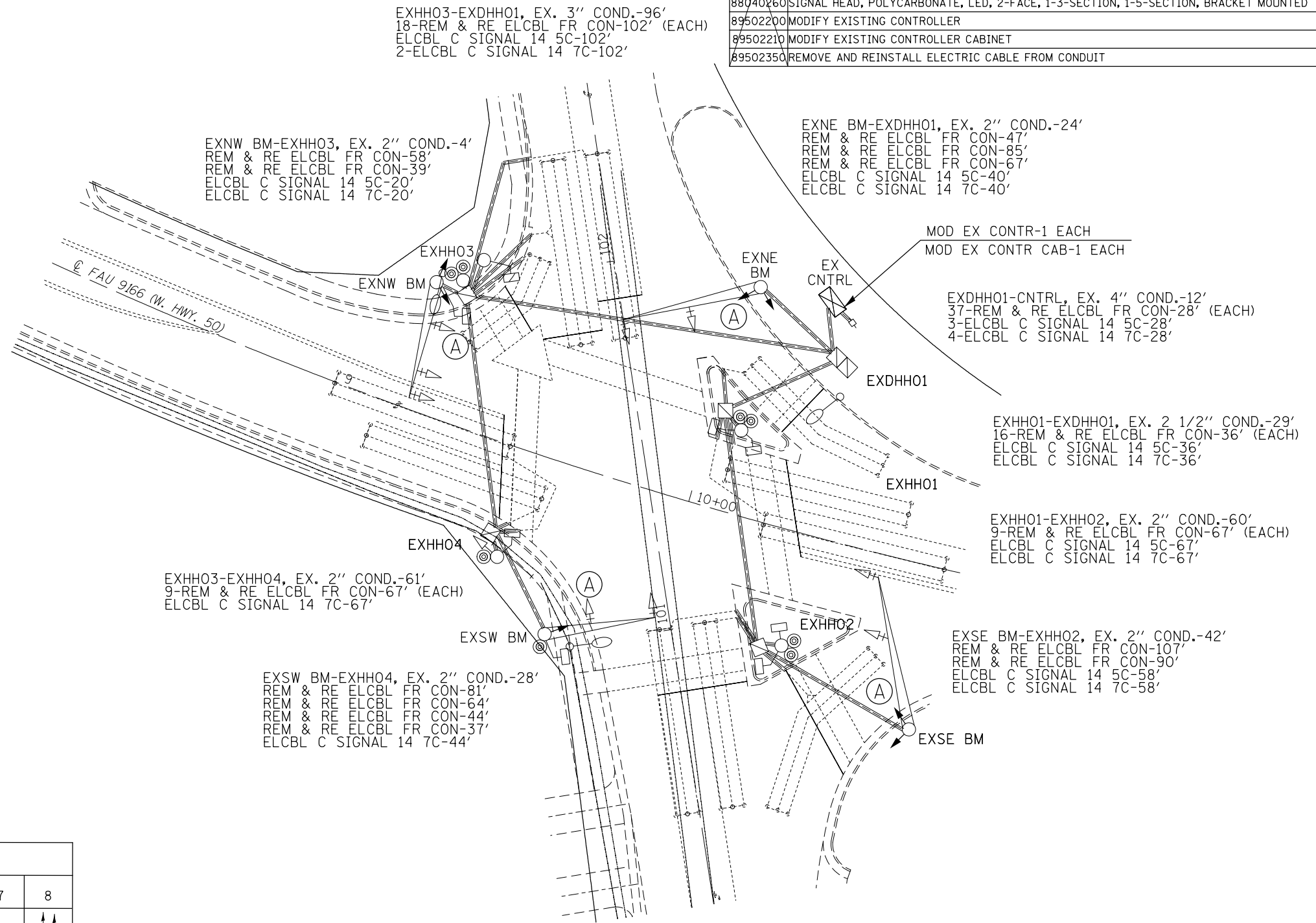


FULL-ACTUATED CONTROLLER AND TYPE IV CABINET


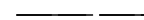
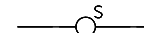
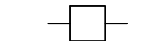
PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	EB LT	WB	NB LT	SB	WB LT	EB	SB LT	NB
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

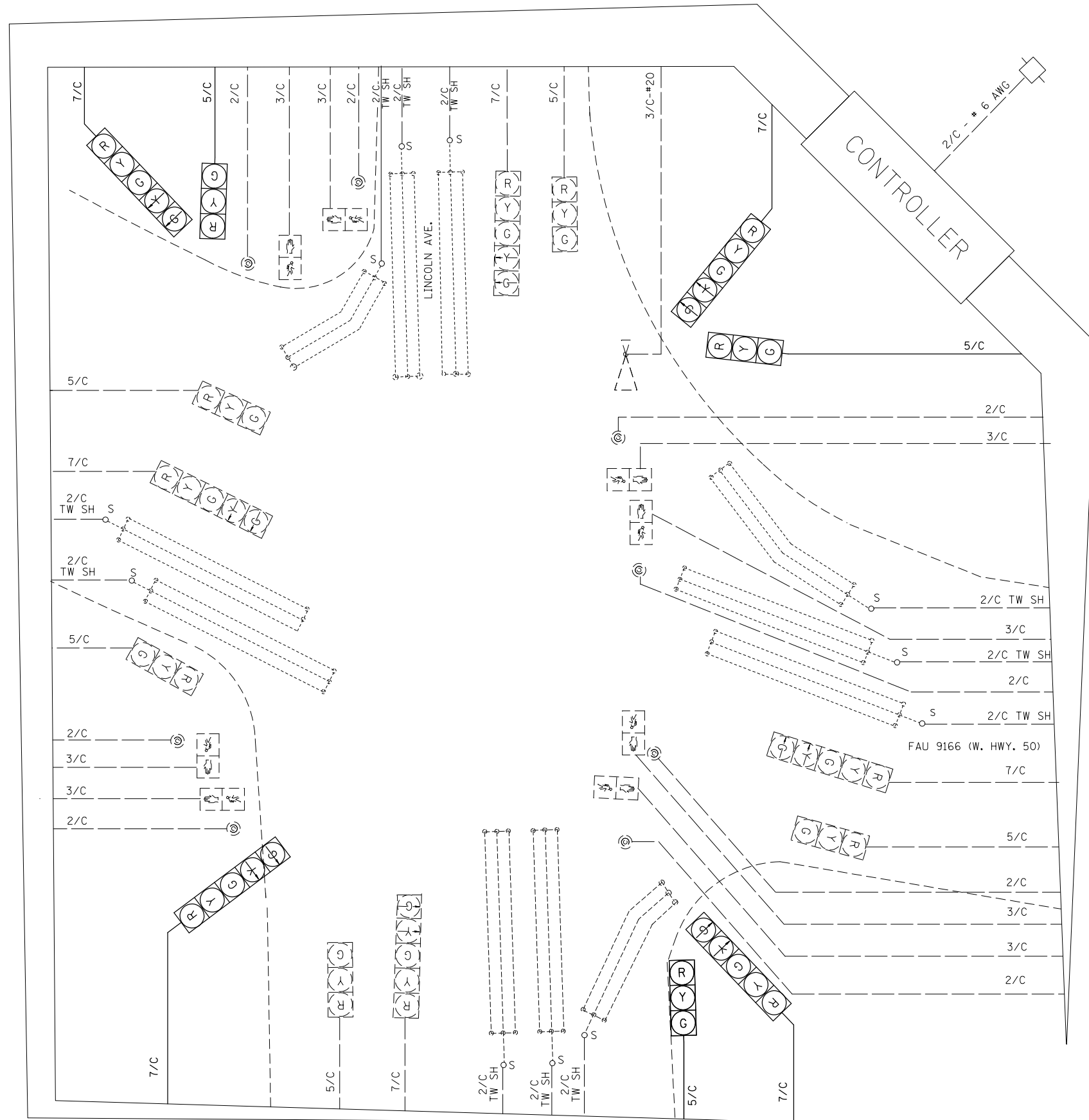
* PEDESTRIAN MOVEMENT DISPLAYED UPON ACTUATION ONLY

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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	407
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	648
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	3
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5373



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

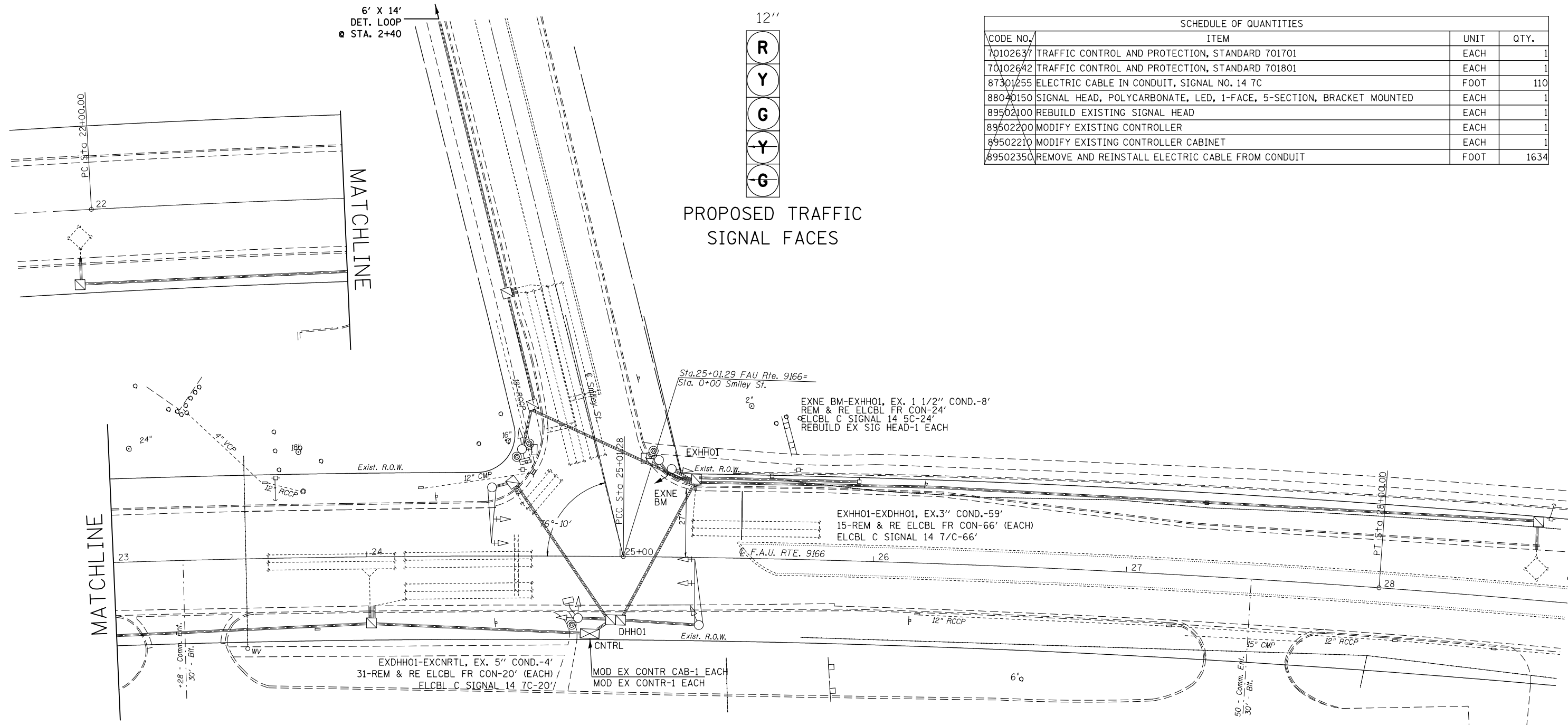


FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	E HWY 50 & LINCOLN (O'FALLON, ST. CLAIR CNTY.) CABLE DIAGRAM	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	<table border="1" style="font-size: 8px;"> <tr> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>DIST 8 TS 2015-1</td> <td></td> <td>91</td> <td>81</td> </tr> </table>	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	DIST 8 TS 2015-1		91	81
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																
DIST 8 TS 2015-1		91	81																
pw:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\D877\DRAWING\DATA\EAD\sheet\877-sht-tsplon		REVISIONS				<table border="1" style="font-size: 8px;"> <tr> <td>•</td> <td>VARIOUS</td> <td colspan="2" style="text-align: center;">CONTRACT NO. 76H77</td> </tr> <tr> <td>•</td> <td>FED. ROAD DIST. NO.</td> <td>ILLINOIS</td> <td>FED. AID PROJECT</td> </tr> </table>						•	VARIOUS	CONTRACT NO. 76H77		•	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
•	VARIOUS	CONTRACT NO. 76H77																	
•	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT																
PLOT SCALE = 33.3333' / in.	CHECKED -	REVISIONS																	
PLOT DATE = 9/11/2015	DATE -	REVISIONS																	

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	110
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
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	1634

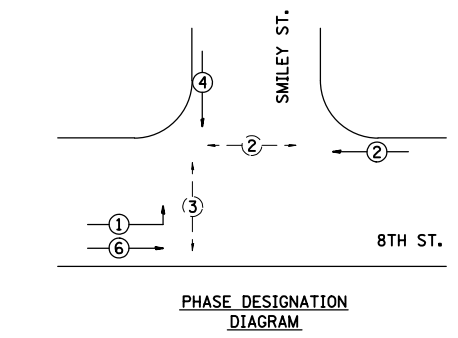
12"
 R
 Y
 G
 Y
 G

PROPOSED TRAFFIC
 SIGNAL FACES



MATCHLINE

MATCHLINE



EXISTING FULL-ACTUATED CONTROLLER
 EXISTING SEQUENCE OF OPERATION

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
pw\11084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 8\Projects\D875\Drawings\EA0\Sheets\D875H77-sht-tplon		CHECKED -	REVISED -
		DATE -	REVISED -



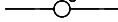

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

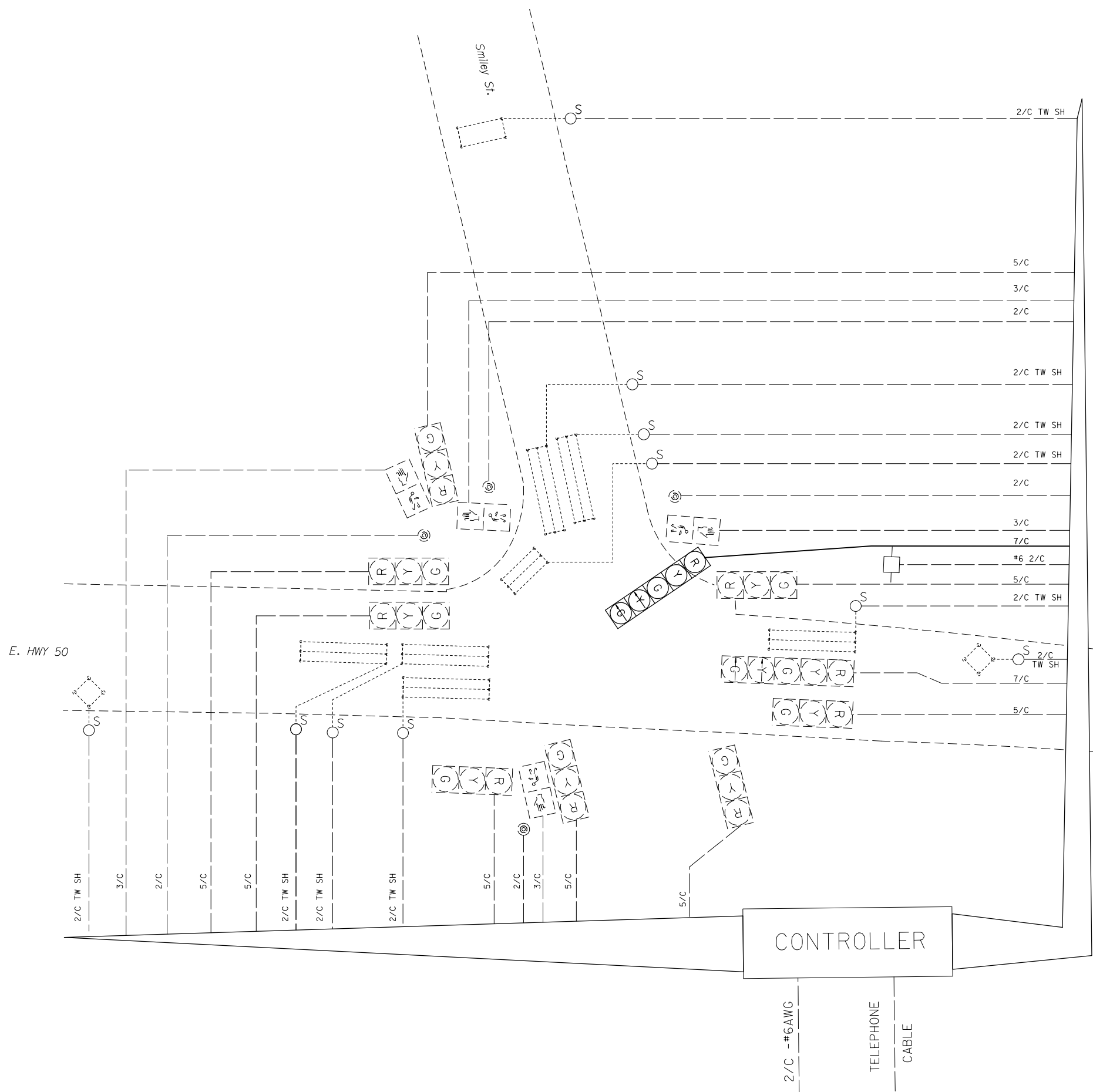
**E. HWY 50 & SMILEY (O'FALLON, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN**

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	82
**VARIOUS		CONTRACT NO. 76H77		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

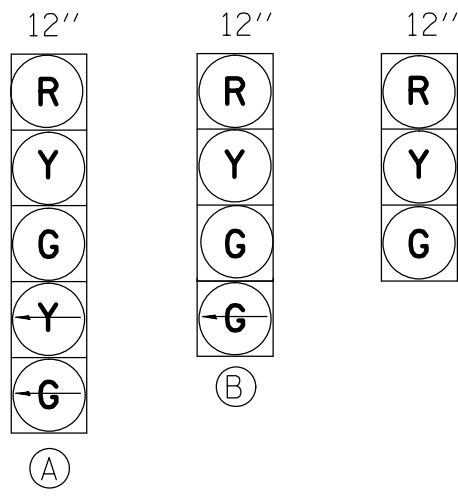
SCALE: SHEET NO. OF SHEETS STA. TO STA.

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



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	E. HWY 50 & SMILEY (O'FALLON, ST. CLAIR CNTY.) CABLE DIGRAM			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\0875\DRAWING\DATA\EA0\Sheets\D875H77-sht-tplon		REVISIONS	REVISIONS		•	Dist 8 TS 2015-1	•	91	83	CONTRACT NO. 76H77		
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISIONS	REVISIONS		**VARIOUS							
PLOT DATE = 9/11/2015	DATE -	REVISIONS	REVISIONS		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	561
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	561
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	5174

EXNW BM-EXHH01, EX. 2" COND.-1'
 REM & RE ELCBL FR CON-54'
 REM & RE ELCBL FR CON-43'
 2-REM & RE ELCBL FR CON-17' (EACH)
 2-REM & RE ELCBL FR CON-10' (EACH)
 ELCBL C SIGNAL 14 5C-17'
 ELCBL C SIGNAL 14 7C-17'

EXNE BM-EXHH02, EX. 2" COND.-30'
 REM & RE ELCBL FR CON-89'
 REM & RE ELCBL FR CON-74'
 2-REM & RE ELCBL FR CON-46' (EACH)
 2-REM & RE ELCBL FR CON-39' (EACH)
 ELCBL C SIGNAL 14 5C-46'
 ELCBL C SIGNAL 14 7C-46'

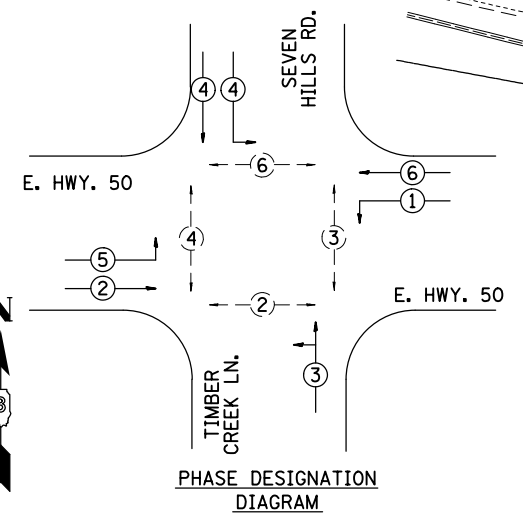
EXHH02-EXHH03, EX. 3 1/2" COND.-92'
 19-REM & RE ELCBL FR CON-99' (EACH)
 2-ELCBL C SIGNAL 14 5C-99' (EACH)
 2-ELCBL C SIGNAL 14 7C-99' (EACH)

EXSW BM-EXHH04, EX. 2" COND.-2'
 REM & RE ELCBL FR CON-57'
 REM & RE ELCBL FR CON-36'
 2-REM & RE ELCBL FR CON-18' (EACH)
 2-REM & RE ELCBL FR CON-11' (EACH)
 ELCBL C SIGNAL 14 5C-18'
 ELCBL C SIGNAL 14 7C-18'

EXHH03-CNTRL, EX. 5" COND.-2'
 35-REM & RE ELCBL FR CON-11' (EACH)
 4-ELCBL C SIGNAL 14 5C-11' (EACH)
 4-ELCBL C SIGNAL 14 7C-11' (EACH)

EXSE BM-EXHH03, EX. 2" COND.-4'
 REM & RE ELCBL FR CON-59'
 REM & RE ELCBL FR CON-44'
 2-REM & RE ELCBL FR CON-20' (EACH)
 2-REM & RE ELCBL FR CON-13' (EACH)
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'

EXHH03-EXHH04, EX. 2 1/2" COND.-70'
 9-REM & RE ELCBL FR CON-76' (EACH)
 ELCBL C SIGNAL 14 5C-76'
 ELCBL C SIGNAL 14 7C-76'


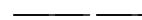
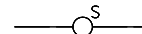
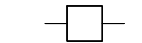


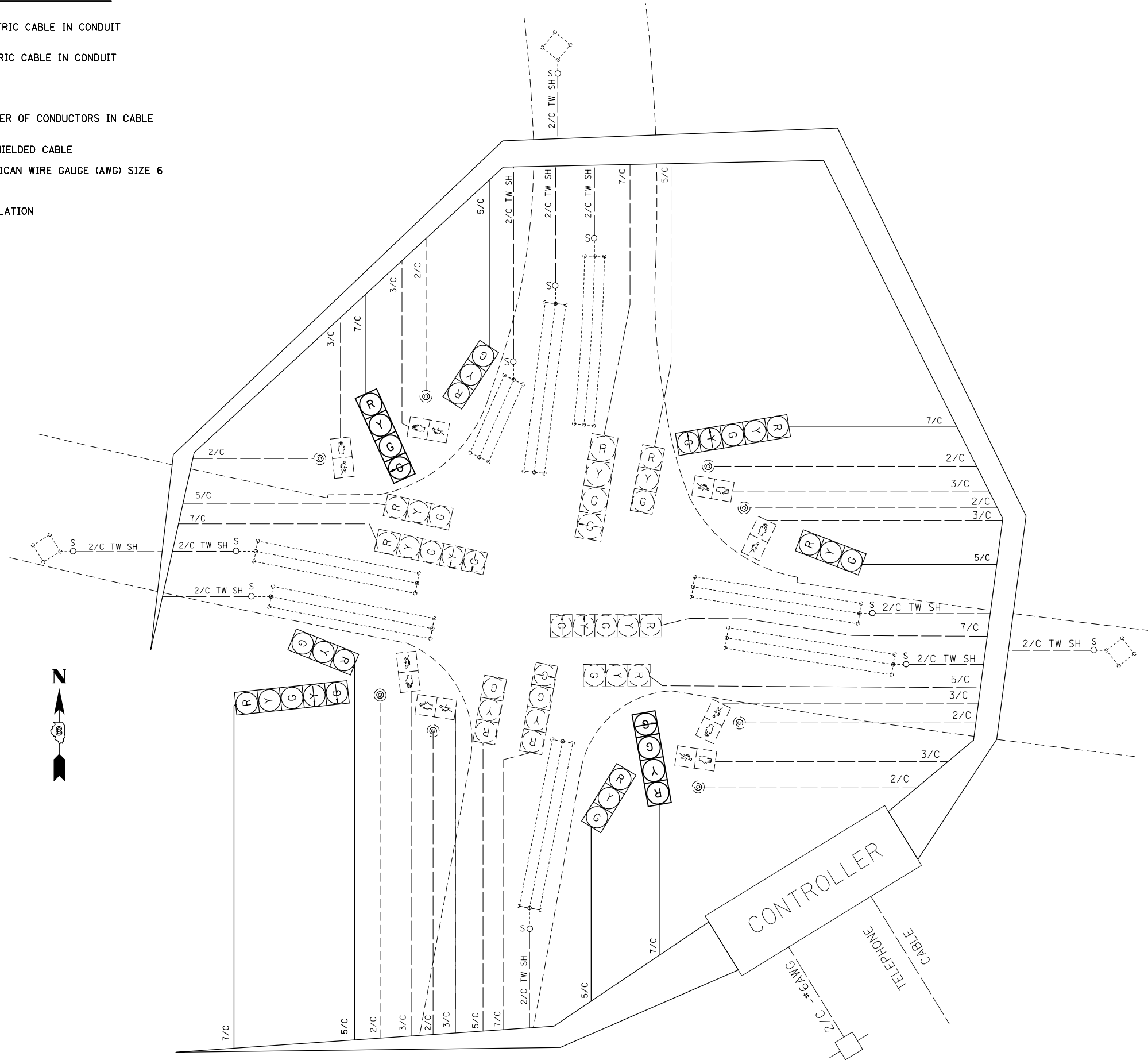
EXISTING FULL-ACTUATED CONTROLLER

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		

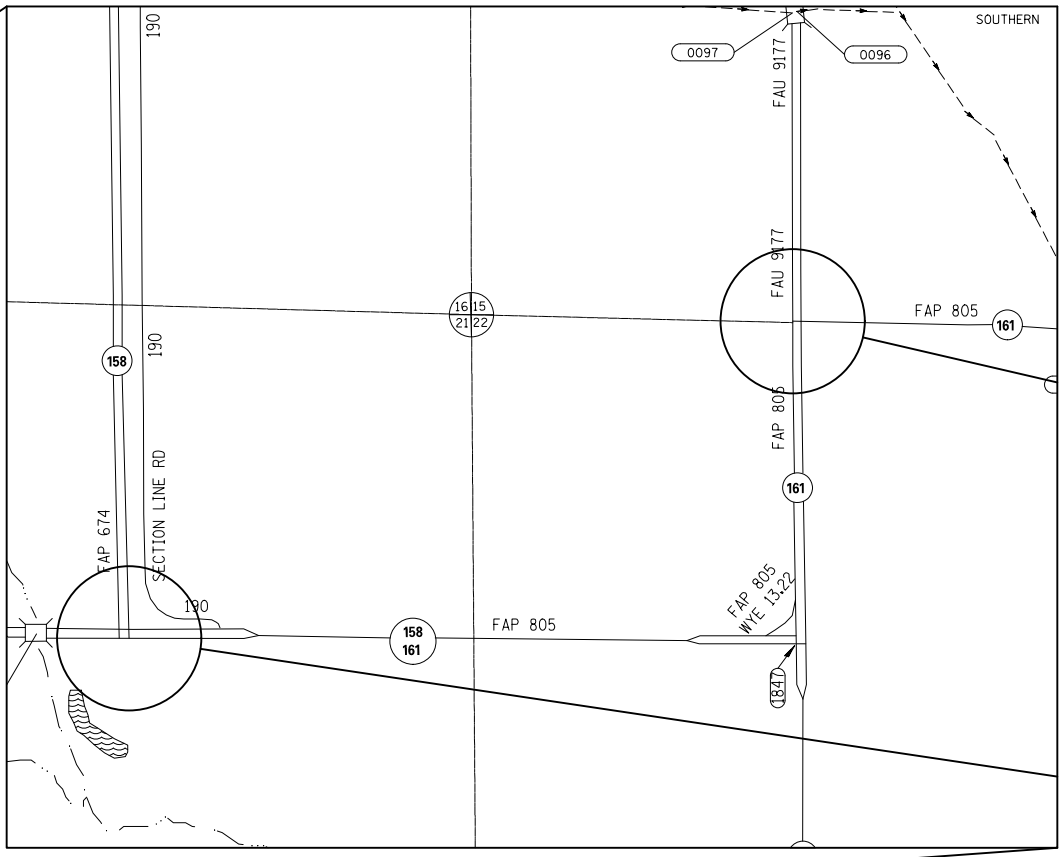
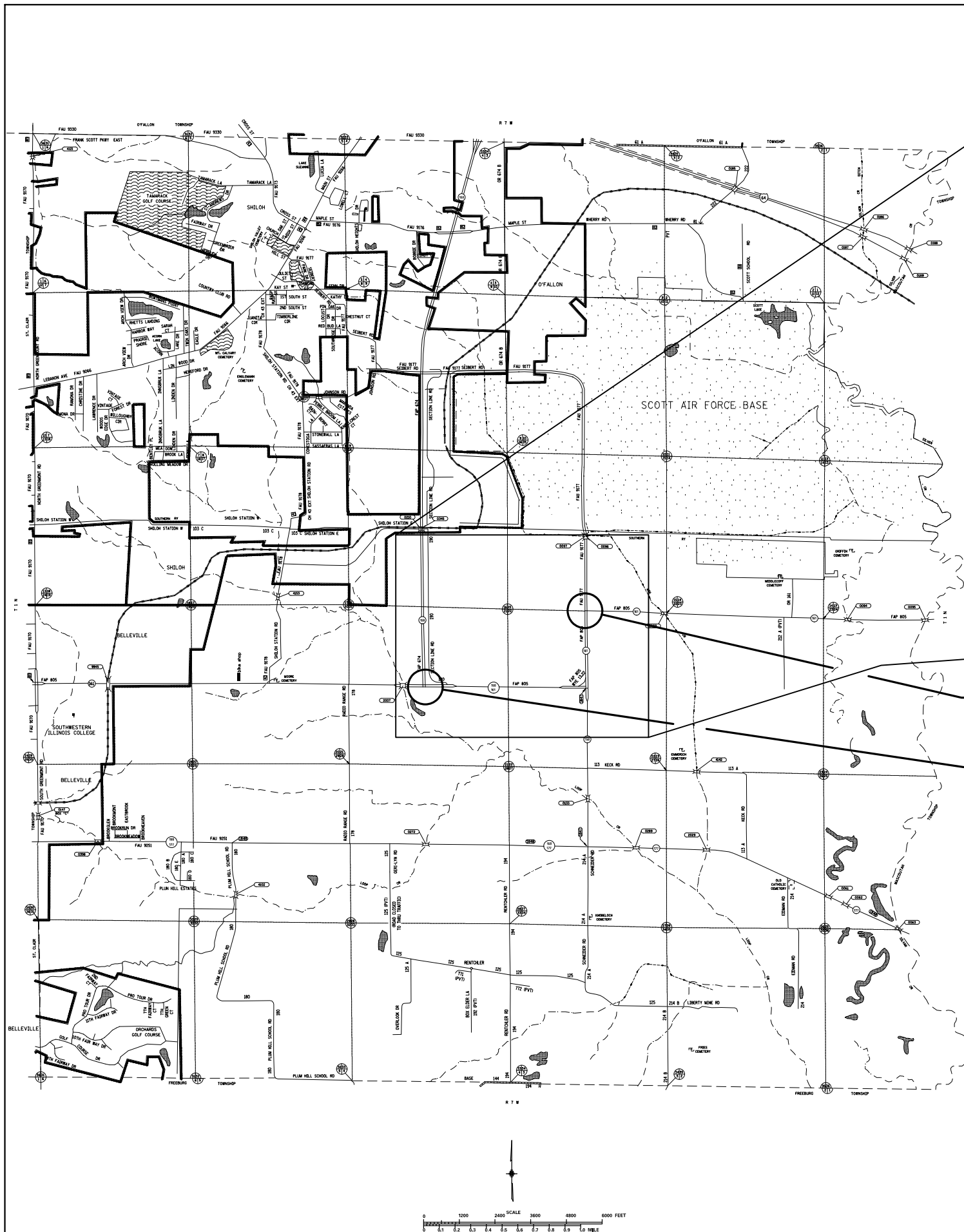


CABLE DIAGRAM LEGEND

-  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

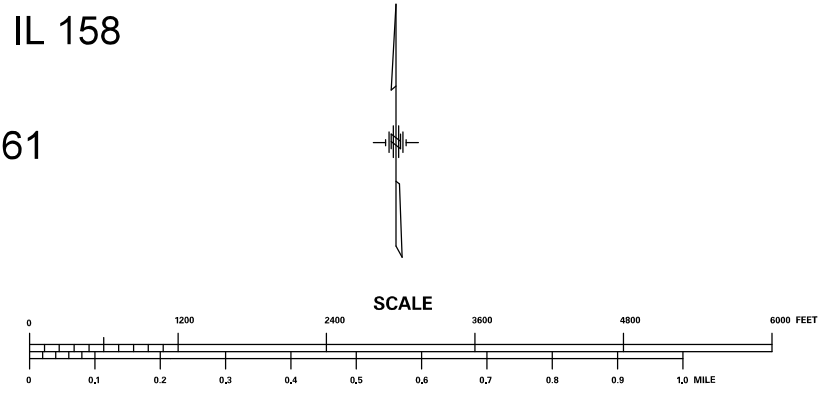


FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	E HWY 50 & N. SEVEN HILLS (O'FALLON, ST. CLAIR CNTY.) CABLE DIAGRAM	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>•</td> <td>DIST 8 TS 2015-1</td> <td>•</td> <td>91</td> <td>85</td> </tr> <tr> <td colspan="3">•=VARIOUS</td> <td colspan="2">CONTRACT NO. 76H77</td> </tr> <tr> <td colspan="2">FED. ROAD DIST. NO.</td> <td colspan="3">ILLINOIS FED. AID PROJECT</td> </tr> </table>	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	•	DIST 8 TS 2015-1	•	91	85	•=VARIOUS			CONTRACT NO. 76H77		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																						
•	DIST 8 TS 2015-1	•	91	85																						
•=VARIOUS			CONTRACT NO. 76H77																							
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT																								
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		PLOT DATE = 9/11/2015	DATE -	REVISED -																						



IL 161 & OLD IL 158

IL 158 & IL 161

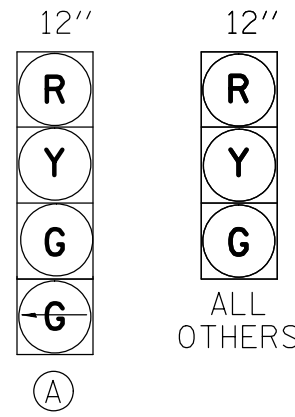


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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

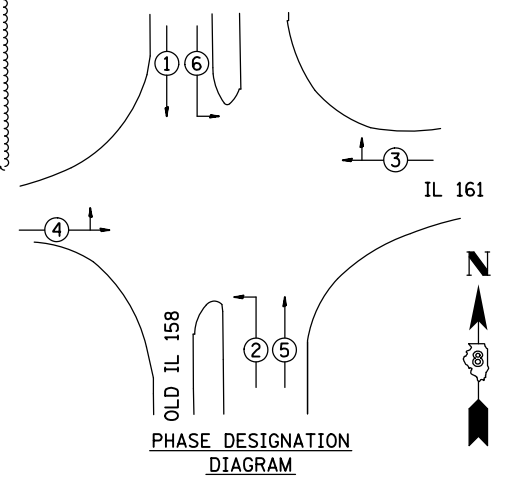
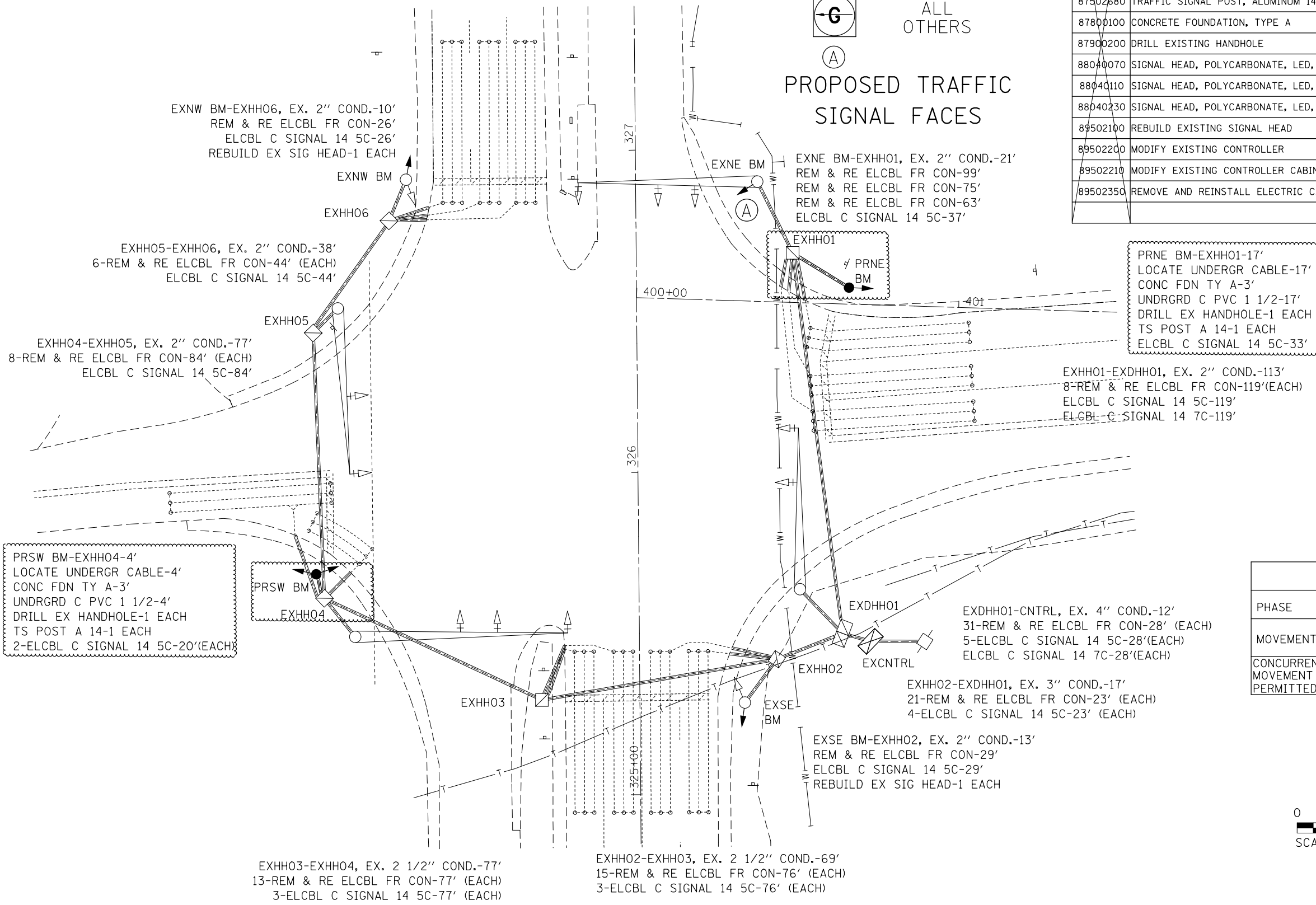
LOCATION MAP SHILOH, ST. CLAIR CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	86
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



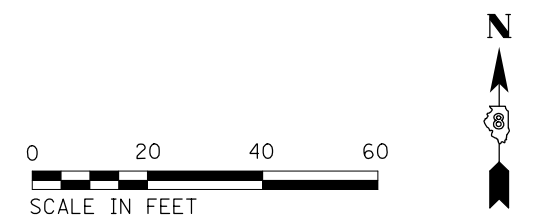
PROPOSED TRAFFIC SIGNAL FACES

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	21
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	21
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1003
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	184
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	2
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 2-3-SECTION, BRACKET MOUNTED	EACH	1
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	5352


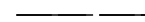
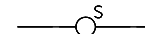
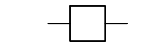


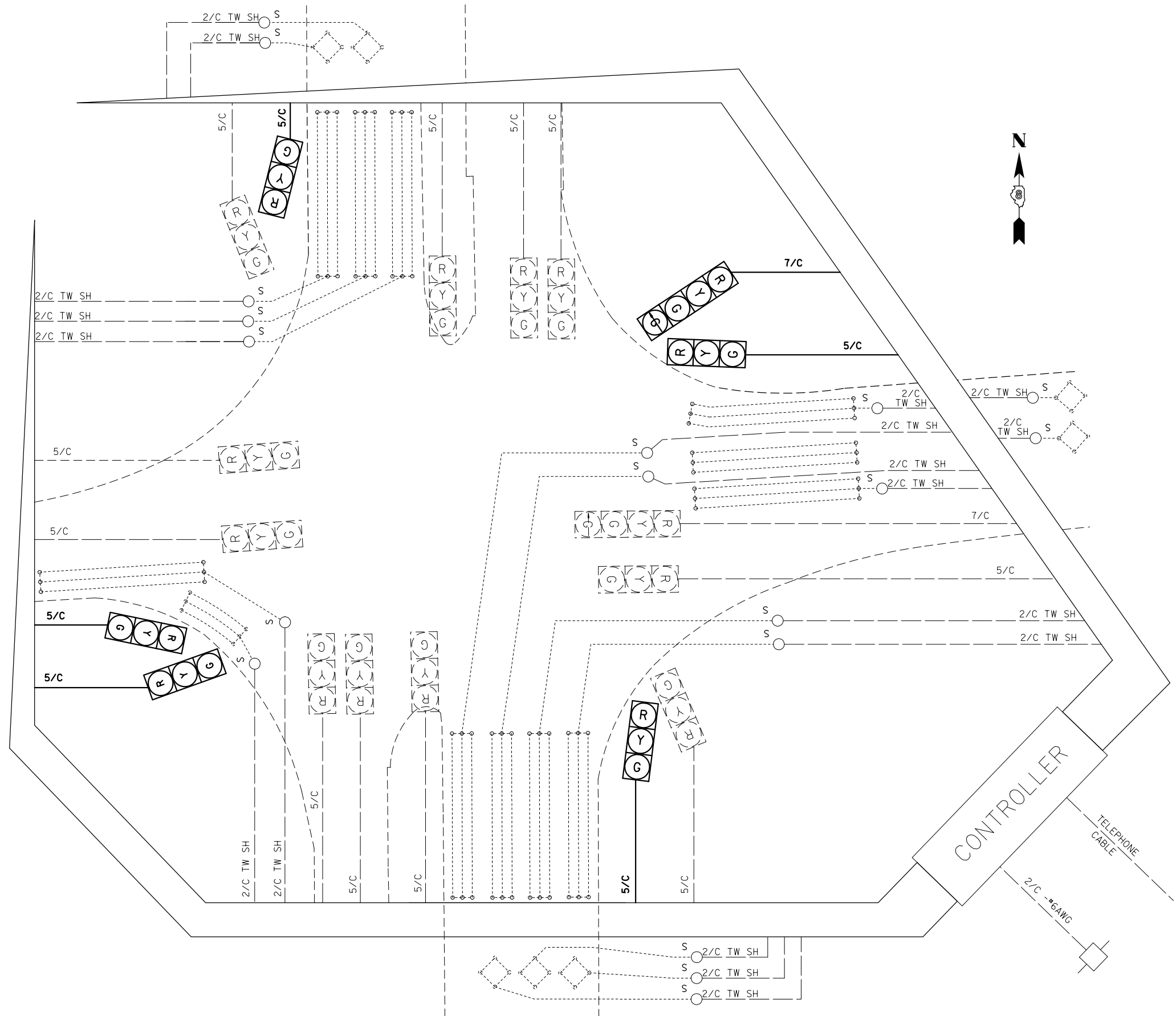
EXISTING FULL-ACTUATED CONTROLLER

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		



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



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	PLOT DATE = 9/11/2015	DATE -	REVISED -

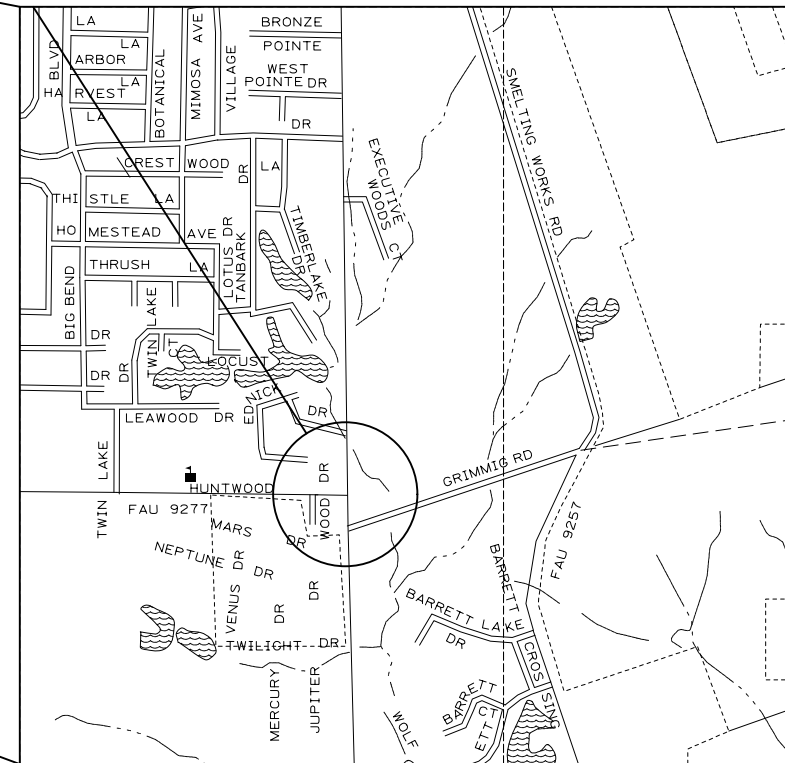
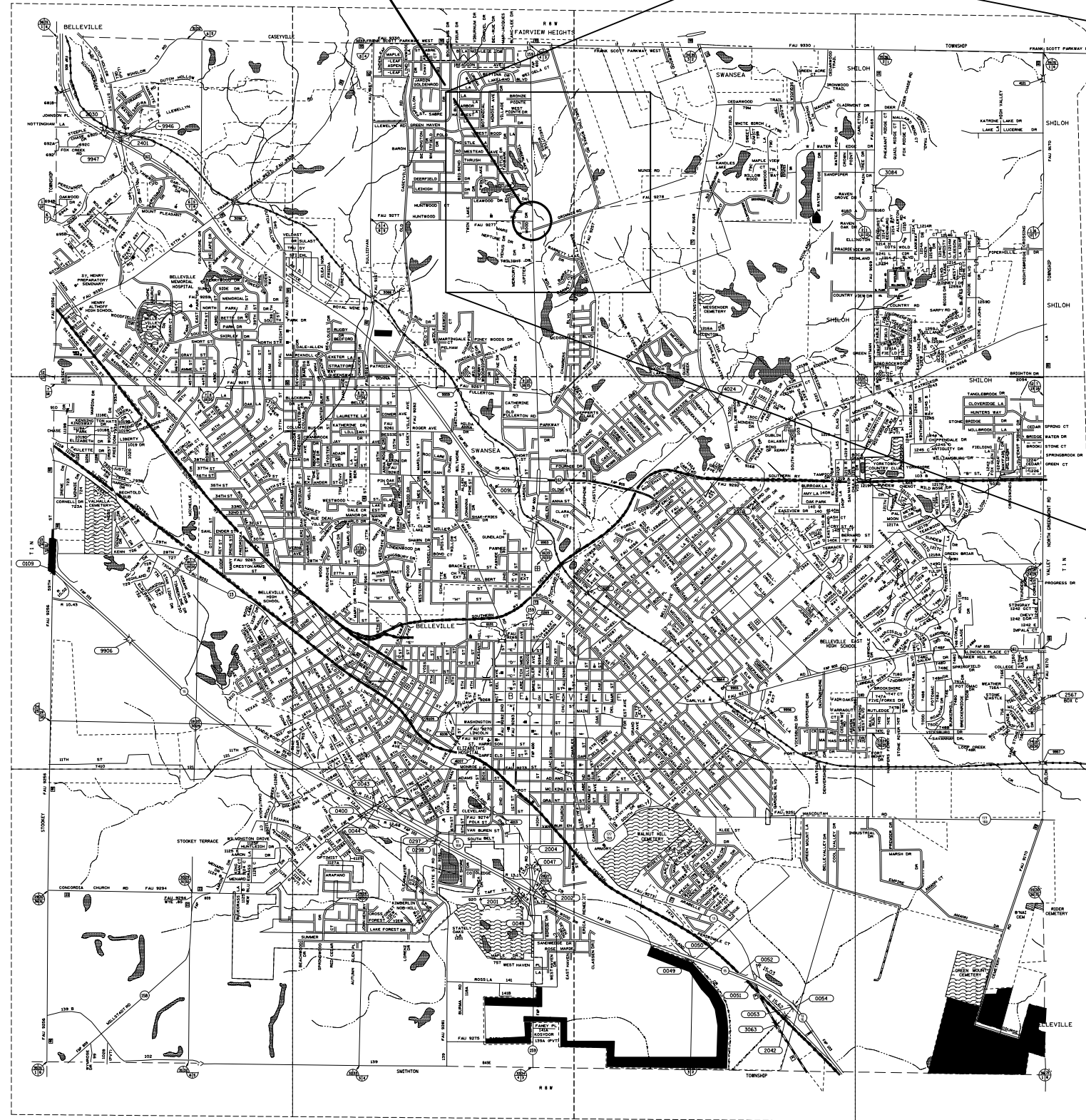
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 161 & OLD IL 158 (SHILOH, ST. CLAIR CNTY.)
CABLE DIAGRAM**

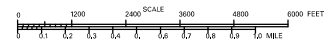
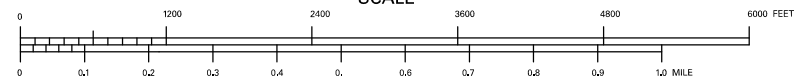
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	88
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

IL 159 & HUNTWOOD



SCALE



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
SWANSEA, ST. CLAIR CNTY.

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2015-1	•	91	89
•=VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"



PROPOSED TRAFFIC SIGNAL FACES

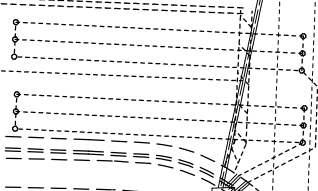
EXNW BM-EXHH01, EX. 2" COND.-15'
 3-REM & RE ELCBL FR CON-31' (EACH)
 2-REM & RE ELCBL FR CON-24' (EACH)
 ELCBL C SIGNAL 14 7C-31'
 REBUILD EX SIG HEAD-3 EACH

J.W. LINE

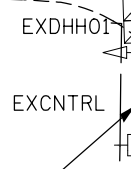


EXHH01-EXDHH01, EX. 2 1/2" COND.-90'
 7-REM & RE ELCBL FR CON-96' (EACH)
 ELCBL C SIGNAL 14 7C-96'

HUNTWOOD RD.



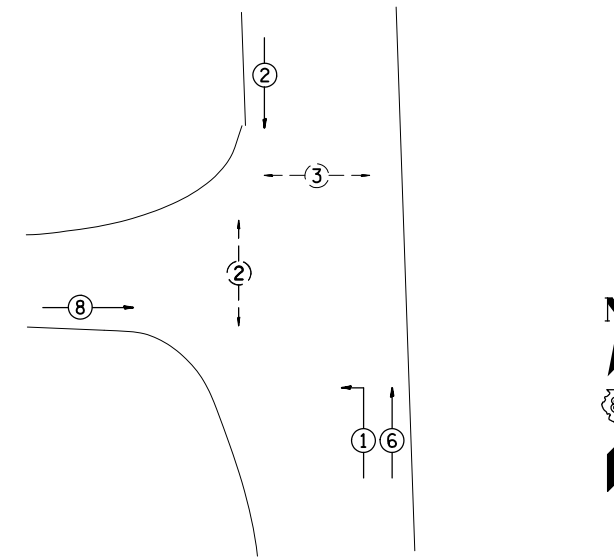
EXDHH01-CNTRL, EX. 2-4" COND.-5'
 28-REM & RE ELCBL FR CON-21' (EACH)
 ELCBL C SIGNAL 14 7C-21'



MOD EX CONTR CAB-1 EACH
 MOD EX CONTR-1 EACH

IL 159

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	148
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	3
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1401



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

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 9/11/2015	DATE -	REVISED -


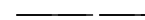
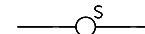
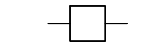
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

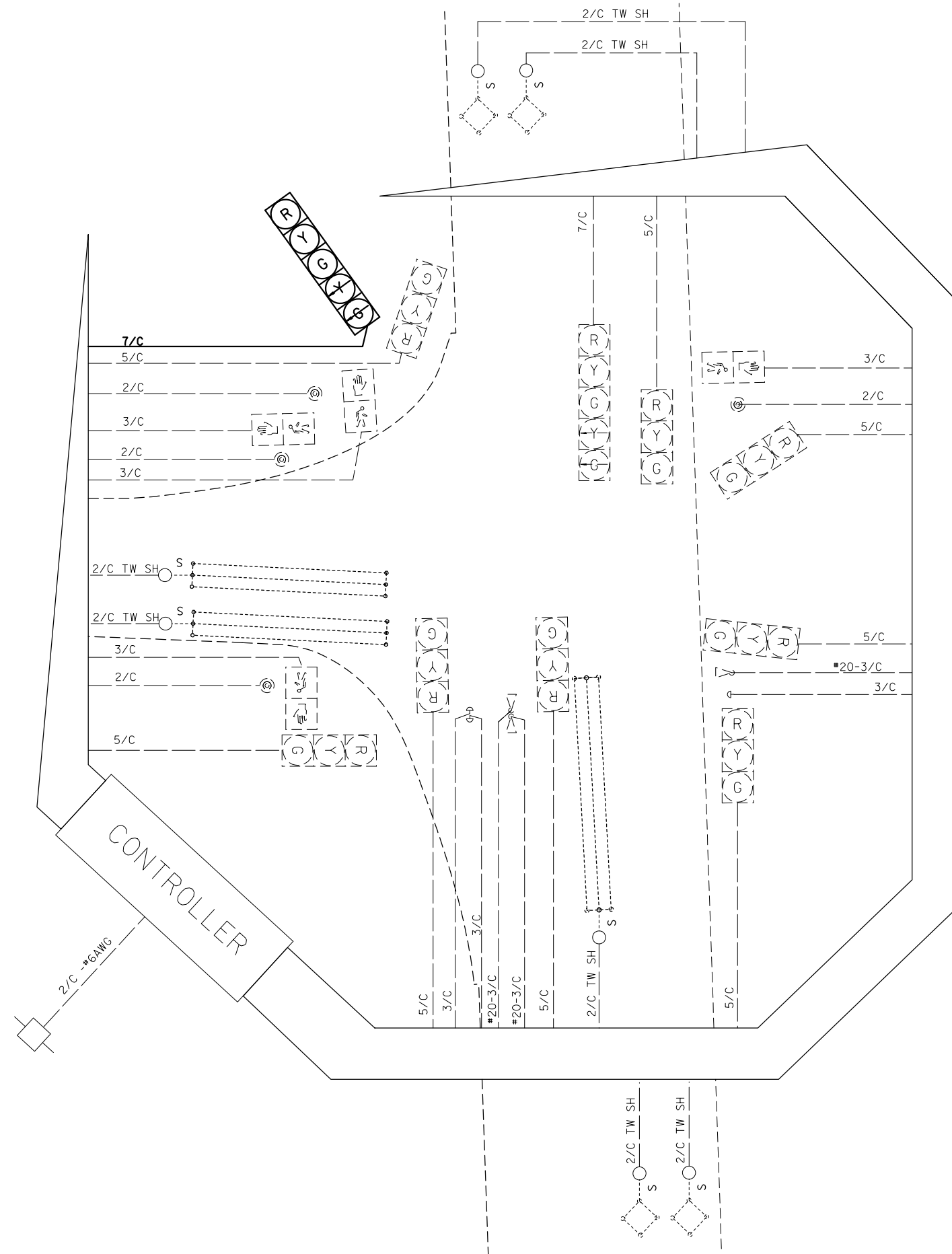
IL 159 & HUNTWOOD RD. (SWANSEA, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLANS

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2015-1	*	91	90
* = 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



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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & HUNTWOOD RD. (SWANSEA, ST. CLAIR CNTY.)
CABLE DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2015-1	*	91	91
* = VARIOUS			CONTRACT NO. 76H77	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		