

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

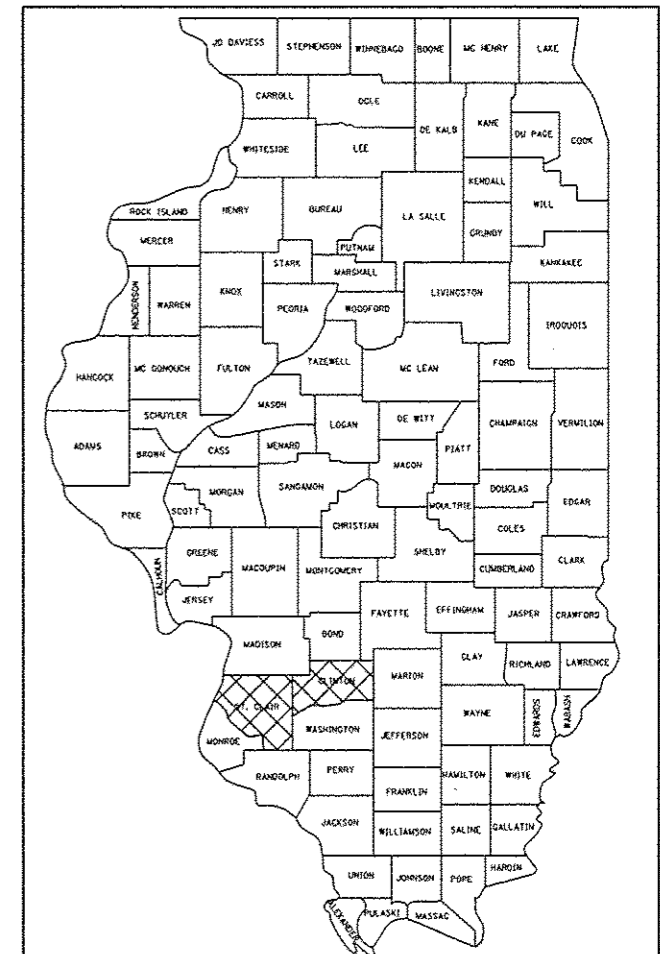
VARIOUS ROUTES  
SECTION DIST 8 TS 2017-2  
PROJECT HSIP-000V(114)  
INSTALLATION OF NEAR-RIGHT &  
FAR-LEFT TRAFFIC SIGNAL  
INDICATIONS  
CLINTON & ST. CLAIR COUNTIES

C-98-065-15

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2017-2	**	116	1
**VARIOUS		ILLINOIS	CONTRACT NO. 76J23	

\*\*CLINTON & ST. CLAIR

D-98-076-15



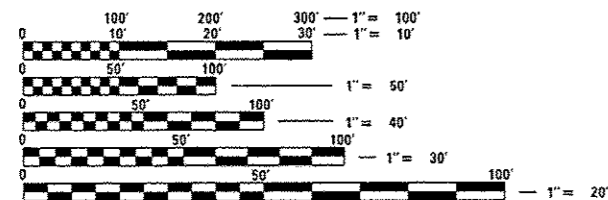
LOCATION OF SECTION INDICATED THUS: - [hatched box symbol]

INDEX OF SHEETS

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

STANDARDS

000001-06	001006	701701-10
701801-06	701901-06	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: HERVE GELIN (618) 346-3179  
SQUAD LEADER: MICHAEL PRESTON (618) 346-3143

CONTRACT NO. 76J23

SEE SHEET 2 FOR "LAYOUT COUNTY MAPS"

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

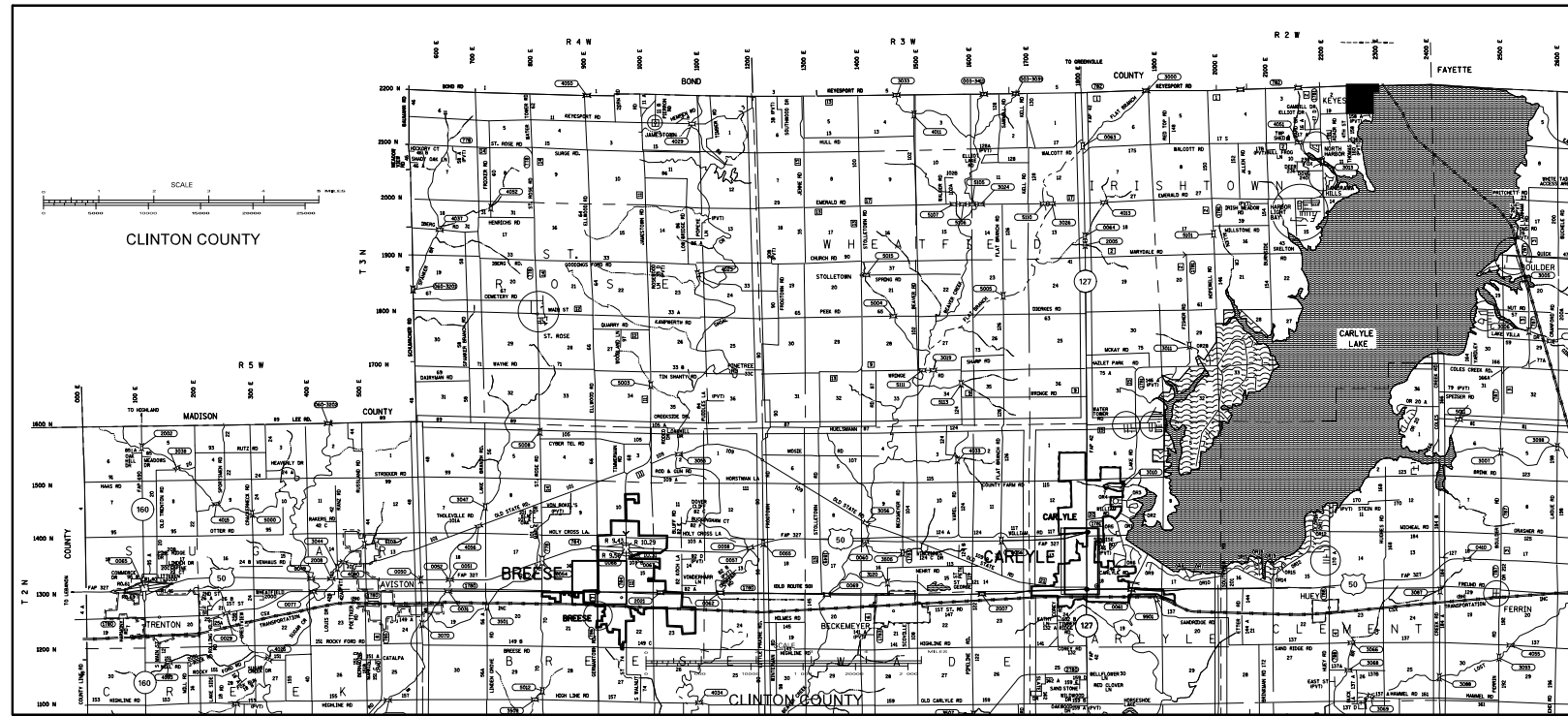
SUBMITTED *Mark 15* 20 *17*

*Jeffrey Z. Kammer*  
REGIONAL ENGINEER

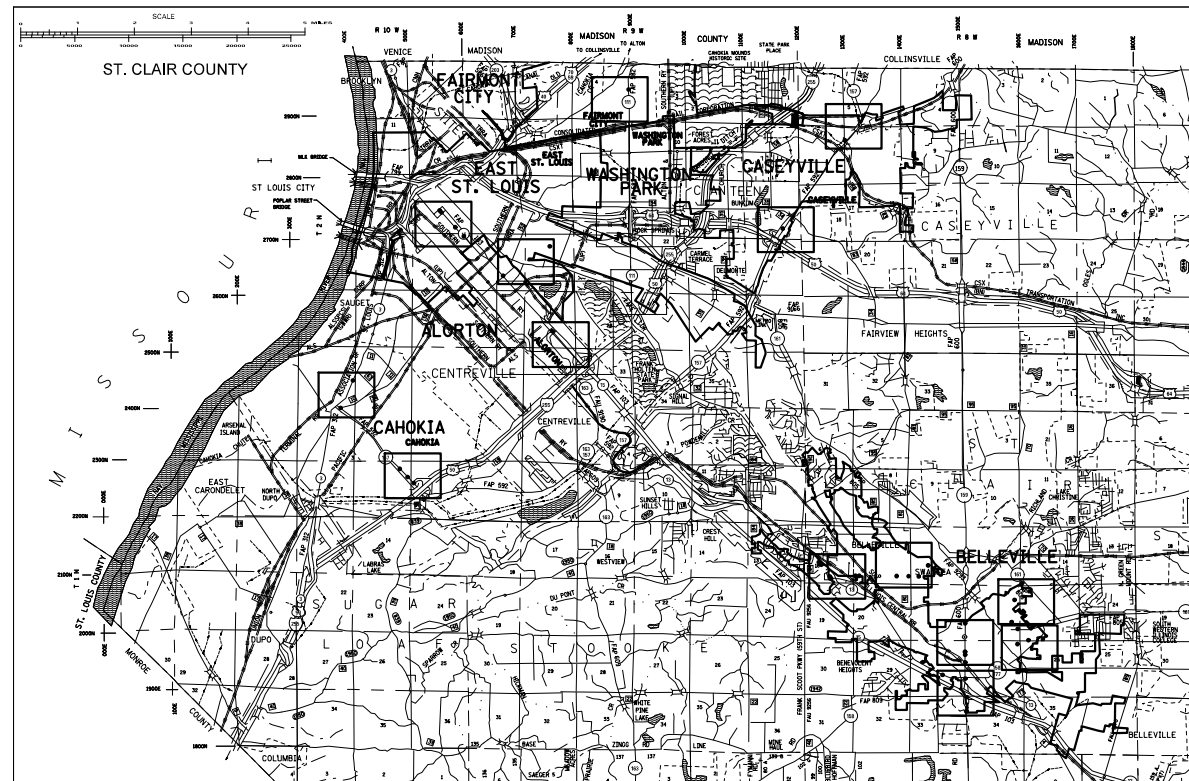
*Maureen M. Addis, PE*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Paula A. [Signature]*  
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS



COUNTY	LOCAL AGENCY	INTERSECTION
CLINTON	BREESE	OLD US 50 & MATER DEI DR.
	CARLYLE	US 50 & IL 127
		US 50 & IL 127 N JCT



COUNTY	LOCAL AGENCY	INTERSECTION
ST. CLAIR	ALORTON	IL 15 & IL 163/POCKET
		IL 13 & 74TH ST.
		IL 13 & WESTFIELD PLAZA ENT
		IL 13 & STATE ST.
		IL 13/158 & IL 159
		17TH & N BELT WEST
		42ND & N BELT WEST
		47TH & N BELT WEST/SCHNUCKS
		FRANK SCOTT PKWY & N BELT W
		IL 159 & ROSS
	IL 159 & MONROE	
	BELLEVILLE	IL 159 & LINCOLN
		IL 159 & WASHINGTON
		IL 159 & DOUGLAS
		IL 161 & CARSON
		IL 161 & ROYAL HEIGHTS
		IL 161 & N 17TH
		IL 161 & "B" ST.
		IL 161 & E MAIN
		IL 161 & CARLYLE
		IL 161 & WEST
	CAHOKIA	CARLYLE & MCCLINTOCK
		LEBANON & SOUTHWIND
		N BELT W & W MAIN
		N BELT W & ROYAL HEIGHTS
		N BELT W & BUCKINGHAM
		WEST & OLD COLLINSVILLE

COUNTY	LOCAL AGENCY	INTERSECTION
ST. CLAIR	CAHOKIA	IL 3 & JEROME LANE
		IL 157 & FALLING SPRINGS
		IL 157 & KENNETH
		IL 157 & LAZERCHEFF
		IL 157 & IL 255 W JCT
		IL 157 & IL 255 E JCT
		IL 157 & SASAK
		IL 157 & O' FALLON
		IL 157 & CASEYVILLE RD
		9TH ST & MISSOURI
	EAST SAINT LOUIS	10TH ST & MISSOURI
		13TH & MISSOURI
		15TH & MISSOURI
		IL 15 & 26TH
		38TH & ST CLAIR
		IL 111 & SUMMIT
	FAIRMONT CITY	STATE & I255 E JCT
		STATE & I255 W JCT
	WASHINGTON PARK	IL 111 & MARYLAND
		WASHINGTON PARK

INDEX OF SHEETS PER INTERSECTION

- 5.-7. BREESE
- 8.-12. CARLYLE
- 13.-15. ALORTON
- 16.-70. BELLEVILLE
- 71.-84. CAHOKIA
- 85.-92. CASEYVILLE
- 93.-109. EAST SAINT LOUIS
- 110.-113. FAIRMONT CITY
- 114.-116. WASHINGTON PARK

\*\*=CLINTON & ST. CLAIR

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

COUNTY LAYOUT MAPS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2017-2	**	116	2
*=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT				

**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
- ▣(H) 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

**ELECTRICAL GENERAL NOTES**

1. 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.
2. BACKPLATES SHALL BE ABS PLASTIC.
3. 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.
4. 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.
5. LOCATE UNDERGROUND CABLES PRIOR TO ATTEMPTING TO CONSTRUCT THIS PROJECT.
6. SIGNAL HEAD COLOR SHALL MATCH THE EXISTING RESPECTIVE MOUNTING STRUCTURE COLOR.

7. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (1-800-892-0123 OR 811) OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY.

LANE CLOSURE SCHEDULE						
COUNTY	CITY	LOCATION	PEAK HOURS		DAY OF WEEK	PERMITTED LANE CLOSURES (1)
ST. CLAIR	ALORTON	IL 15 AT IL 163-EB		3 P.M.-6 P.M.	MON.-FRI.	NONE
		IL 15 AT IL 163-WB	6 A.M.-9 A.M.		MON.-FRI.	NONE
		IL 15 AT IL 163-NB & SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE
	BELLEVILLE	IL 159 AT LINCOLN STREET	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE
		IL 159 AT WASHINGTON STREET	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE
		IL 159 AT DOUGLAS AVENUE	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE
	CAHOKIA	IL 3 AT JEROME LANE-NB	6 A.M.-9 A.M.		MON.-FRI.	NONE
		IL 3 AT JEROME LANE-SB		3 P.M.-6 P.M.	MON.-FRI.	NONE
		IL 3 AT JEROME LANE-WB RT	6 A.M.-9 A.M.		MON.-FRI.	NONE
	EAST ST. LOUIS	IL 15 (MISSOURI AVE.) AND 9TH ST.-EB		3 P.M.-6 P.M.	MON.-FRI.	NONE
		IL 15 (MISSOURI AVE.) AND 9TH ST.-WB	6 A.M.-9 A.M.		MON.-FRI.	NONE
		IL 15 (MISSOURI AVE.) AND 10TH ST.-EB		3 P.M.-6 P.M.	MON.-FRI.	NONE
		IL 15 (MISSOURI AVE.) AND 10TH ST.-WB	6 A.M.-9 A.M.		MON.-FRI.	NONE
		IL 15 (MISSOURI AVE.) AND 13TH ST.-EB		3 P.M.-6 P.M.	MON.-FRI.	NONE
		IL 15 (MISSOURI AVE.) AND 13TH ST.-WB	6 A.M.-9 A.M.		MON.-FRI.	NONE
		IL 15 (MISSOURI AVE.) AND 15TH ST.-EB		3 P.M.-6 P.M.	MON.-FRI.	NONE
		IL 15 (MISSOURI AVE.) AND 15TH ST.-WB	6 A.M.-9 A.M.		MON.-FRI.	NONE
		IL 15 (MISSOURI AVE.) AND 15TH ST.-NB & SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE
		IL 15 (MISSOURI AVE.) AND 18TH ST.-EB		3 P.M.-6 P.M.	MON.-FRI.	NONE
		IL 15 (MISSOURI AVE.) AND 18TH ST.-WB	6 A.M.-9 A.M.		MON.-FRI.	NONE
IL 15 (MISSOURI AVE.) AND 26TH ST.-EB			3 P.M.-6 P.M.	MON.-FRI.	NONE	
IL 15 (MISSOURI AVE.) AND 26TH ST.-WB		6 A.M.-9 A.M.		MON.-FRI.	NONE	
IL 15 (MISSOURI AVE.) AND 26TH ST.-NB & SB		6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE	

(1) LANE CLOSURES ARE PERMITTED DURING "NON-PEAK" HOURS MONDAY THRU FRIDAY AND ANYTIME SATURDAY AND SUNDAY PER THE "RESTRICTIONS ON PROPOSED LANE CLOSURES" SPECIAL PROVISION.

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (1-800-892-0123 OR 811) OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY.

LOCATION	COMPANY	TYPE	JULIE	AERIAL	BURIED
#041 IL 13 & WESTFIELD PLAZA ENT BELLEVILLE	AT&T ILLINOIS	COMMUNICATIONS	X	X	X
	CITY OF BELLEVILLE	SANITARY SEWER	X		X
	CHARTER COMMUNICATIONS, INC.	CABLE TV	X	X	X
	ILLINOIS AMERICAN WATER COMPANY	WATER	X		X
	AMEREN ILLINOIS	GAS & ELECTRIC	X	X	X
	VERIZON BUSINESS	COMMUNICATIONS	X	X	X
	ZAYO GROUP LLC	COMMUNICATIONS	X	X	X

LOCATION	COMPANY	TYPE	JULIE	AERIAL	BURIED
#139 IL 157 & I-255 W JCT CAHOKIA	AT&T ILLINOIS	COMMUNICATIONS	X	X	X
	VILLAGE OF CAHOKIA	S. SEWER & WATER	X		X
	COMMONFIELD OF CAHOKIA	S. SEWER & WATER	X		X
	AMEREN ILLINOIS	GAS & ELECTRIC	X	X	X
	HARRISONVILLE TELEPHONE COMPANY	COMMUNICATIONS	X	X	X
	CHARTER COMMUNICATIONS, INC.	CABLE TV	X	X	X
	BUCKEYE PARTNERS L.P.	PIPELINE	X		X

LOCATION	COMPANY	TYPE	JULIE	AERIAL	BURIED
#067 US 50 & IL 127 N JCT CARLYLE	AT&T ILLINOIS	COMMUNICATIONS	X	X	X
	CITY OF CARLYLE	ELECTRIC	X	X	X
	CITY OF CARLYLE	S. SEWER & WATER	X		X
	AMEREN ILLINOIS	GAS & ELECTRIC	X	X	X
	CHARTER COMMUNICATIONS, INC.	CABLE TV	X	X	X

LOCATION	COMPANY	TYPE	JULIE	AERIAL	BURIED
#140 IL 157 & I-255 E JCT CAHOKIA	AT&T ILLINOIS	COMMUNICATIONS	X	X	X
	VILLAGE OF CAHOKIA	S. SEWER & WATER	X		X
	COMMONFIELD OF CAHOKIA	S. SEWER & WATER	X		X
	AMEREN ILLINOIS	GAS & ELECTRIC	X	X	X
	HARRISONVILLE TELEPHONE COMPANY	COMMUNICATIONS	X	X	X
	CHARTER COMMUNICATIONS, INC.	CABLE TV	X	X	X
	BUCKEYE PARTNERS L.P.	PIPELINE	X		X

LOCATION	COMPANY	TYPE	JULIE	AERIAL	BURIED
#133 IL 157 & FALLING SPRINGS CAHOKIA	AT&T ILLINOIS	COMMUNICATIONS	X	X	X
	VILLAGE OF CAHOKIA	S. SEWER & WATER	X		X
	COMMONFIELD OF CAHOKIA	S. SEWER & WATER	X		X
	AMEREN ILLINOIS	GAS & ELECTRIC	X	X	X
	LACLEDE PIPELINE COMPANY	PIPELINE	X		X
	CHARTER COMMUNICATIONS, INC.	CABLE TV	X	X	X
	BUCKEYE PARTNERS L.P.	PIPELINE	X		X

LOCATION	COMPANY	TYPE	JULIE	AERIAL	BURIED
#143 IL 157 & SASAK CASEYVILLE	AT&T ILLINOIS	COMMUNICATIONS	X	X	X
	VILLAGE OF CASEYVILLE	S. SEWER & WATER	X		X
	CHARTER COMMUNICATIONS, INC.	CABLE TV	X	X	X
	AMEREN ILLINOIS	GAS & ELECTRIC	X	X	X
	MEDIACOM LLC	CABLE TV	X	X	X

\*\*=CLINTON & ST. CLAIR

90 % FED  
10 % STATE

90 % FED  
10 % STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE		
				TRAFFIC SIGNALS		
				CLINTON-U	CLINTON-R	ST. CLAIR
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	174	0	0	174
*66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	10	0	0	10
*66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	0	0	1
*66900530	SOIL DISPOSAL ANALYSIS	EACH	3	0	0	3
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	0.3	0.7	23
67100100	MOBILIZATION	LSUM	1	0.03	0.07	0.9
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	48	1	2	45
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	30	0	1	29
80300100	LOCATING UNDERGROUND CABLE	FOOT	238	0	17	221
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	238	0	17	221
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	20221	687	255	19279
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	16498	687	730	15081
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	18	0	2	16
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	43	0	6	37
87900200	DRILL EXISTING HANDHOLE	EACH	15	0	2	13
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	44	0	3	41
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	21	0	0	21
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	43	0	5	38
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	20	0	0	20
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	11	2	0	9

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE		
				TRAFFIC SIGNALS		
				CLINTON-U	CLINTON-R	ST. CLAIR
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	31	2	0	29
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4	0	0	4
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	0	0	3
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	82	0	5	77
89502200	MODIFY EXISTING CONTROLLER	EACH	48	1	2	45
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	48	1	2	45
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	230176	3525	8519	218132
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	0	0	3
φ 20076600	TRAINEES	Hour	500			500
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SO FT	174	0	0	174
φ 20076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500			500

\* SPECIALTY ITEM

φ 0042

20

\*\*\*CLINTON & ST. CLAIR

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PLOT DATE = 3/16/2017		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

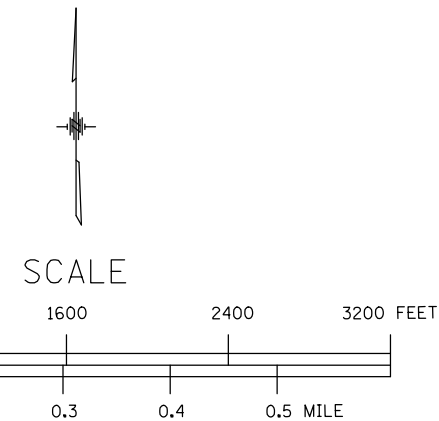
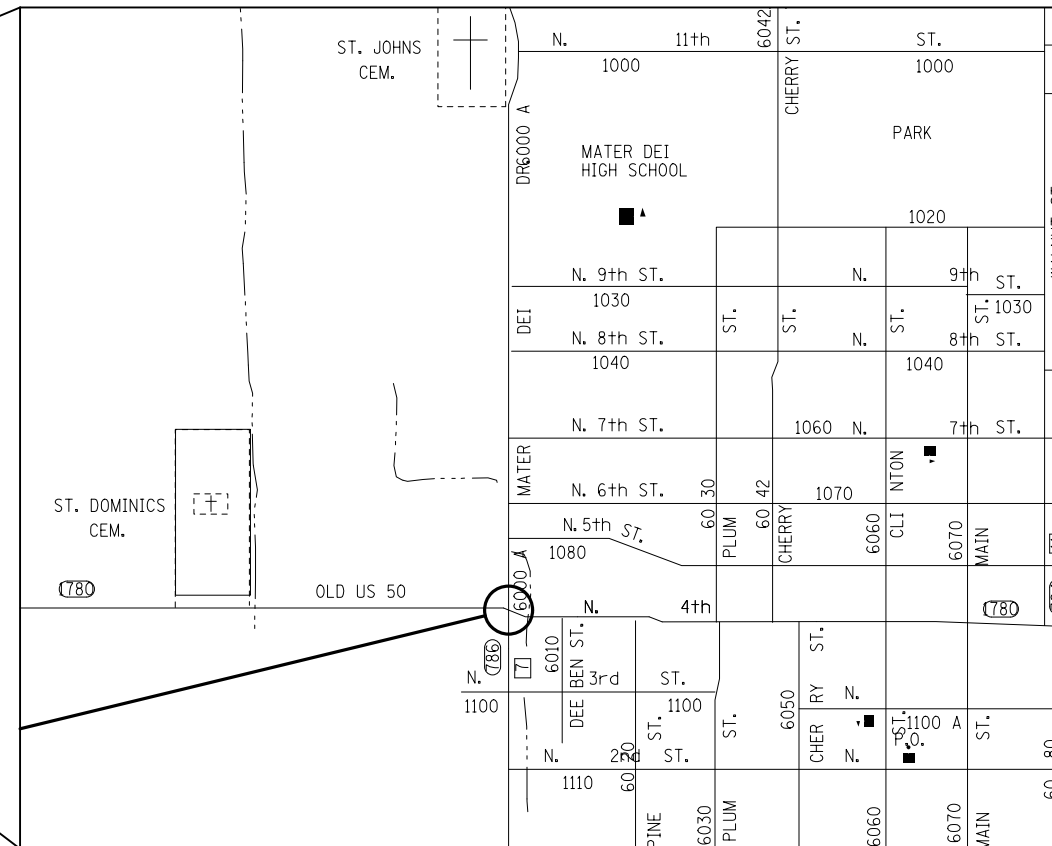
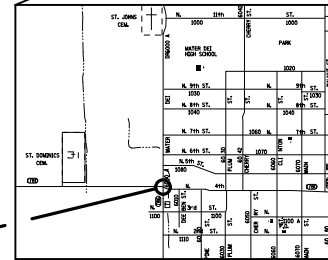
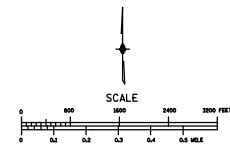
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 YS 2017-2	**	116	4
**VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

REV

OLD US 50 & MATER DEI DR.



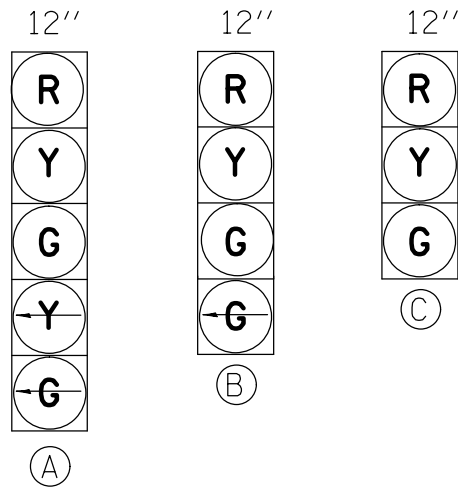
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LOCATION			
MAP BREESE, CLINTON CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

\*\*\*CLINTON & ST. CLAIR

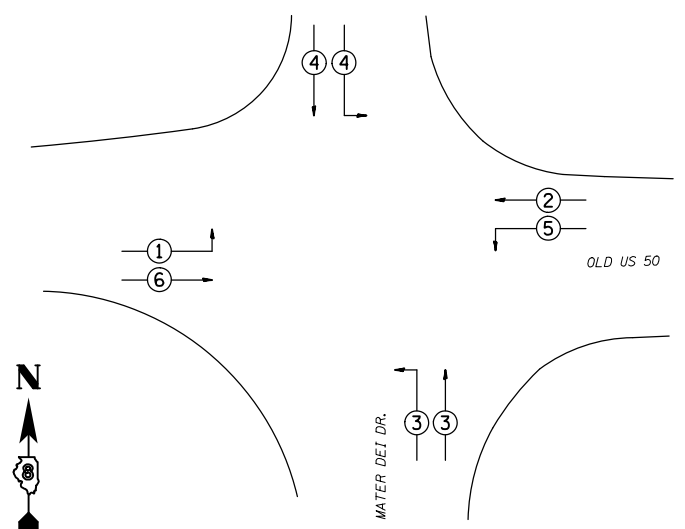
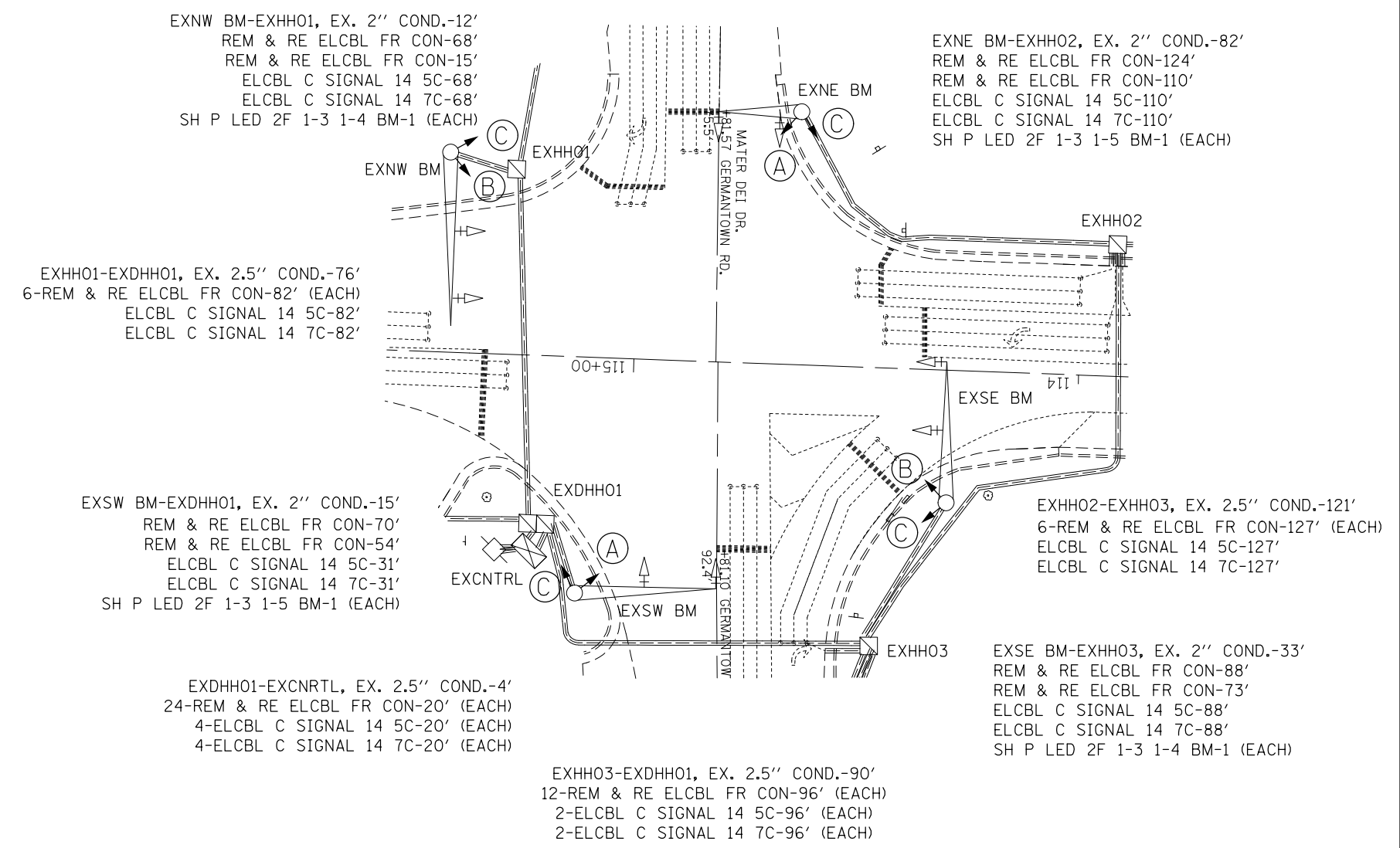
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	5
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↖	↘	↙	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

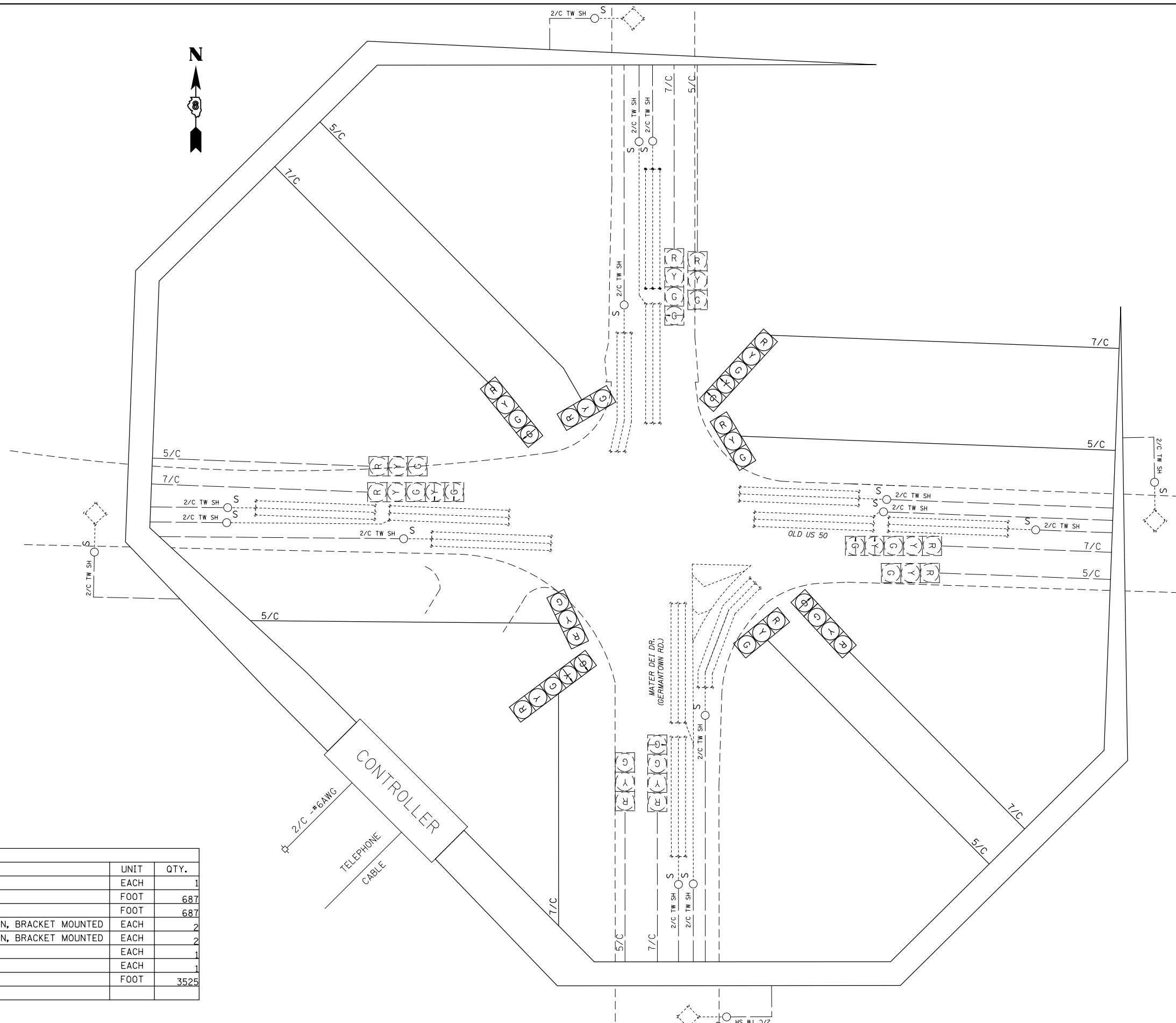


PHASE DESIGNATION DIAGRAM



### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



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	687
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	687
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	3525

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

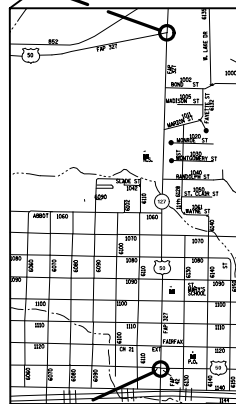
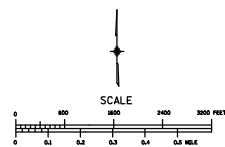
**OLD US 50 & MATER DEI DR. (BREESE, CLINTON CNTY.)  
WIRING DIAGRAM**

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

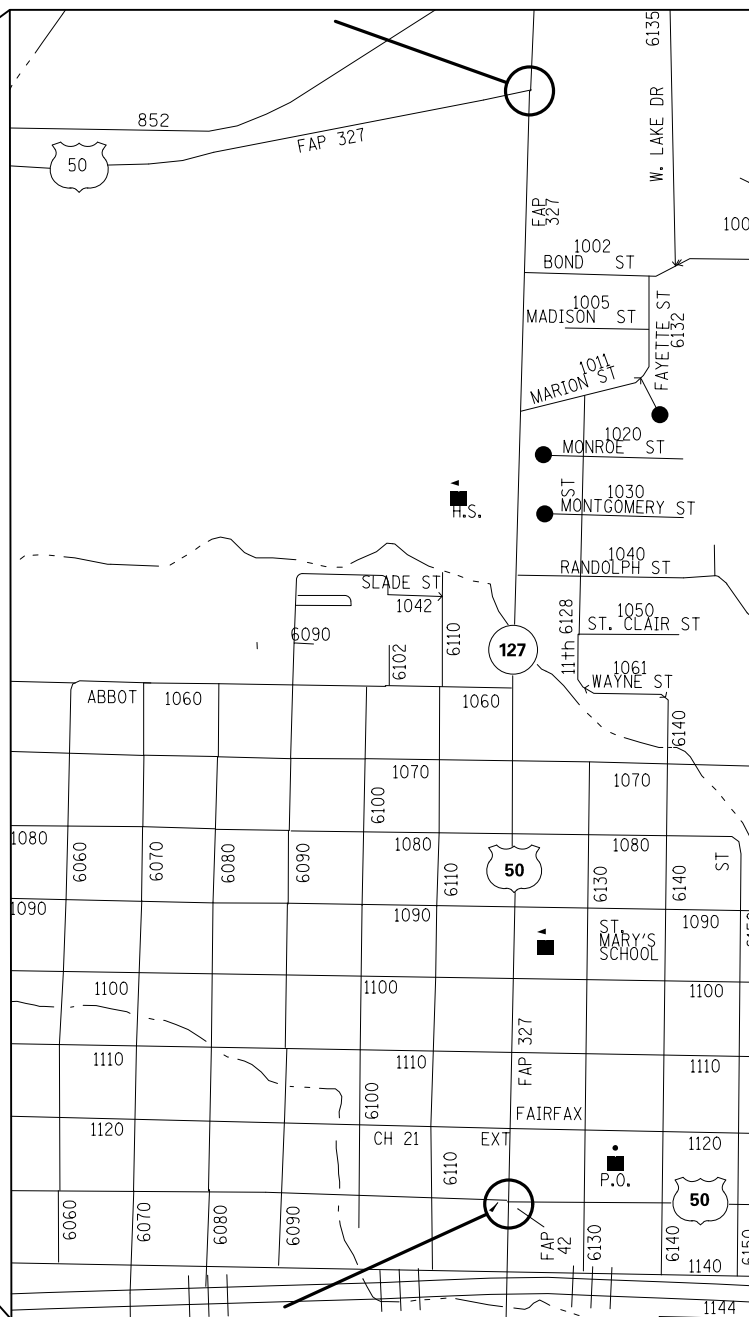
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	7
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*=CLINTON & ST. CLAIR

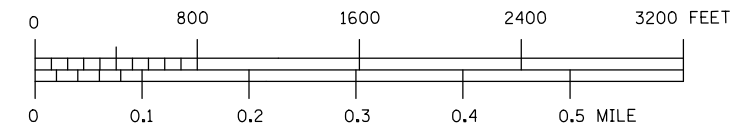
US 50 & IL 127 N JCT



US 50 & IL 127



SCALE



••=CLINTON & ST. CLAIR

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION  
MAP CARLYLE, CLINTON CNTY.**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	8
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



12"



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	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXNW BM-EXHH01, EX. 2.5" COND.-8'  
 REM & RE ELCBL FR CON-76'  
 REM & RE ELCBL FR CON-62'  
 2-REM & RE ELCBL FR CON-17' (EACH)  
 3-REM & RE ELCBL FR CON-24' (EACH)  
 ELCBL C SIGNAL 14 7C-24'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

EXNE BM-EXHH02, EX. 2.5" COND.-43'  
 REM & RE ELCBL FR CON-109'  
 REM & RE ELCBL FR CON-98'  
 2-REM & RE ELCBL FR CON-52' (EACH)  
 3-REM & RE ELCBL FR CON-59' (EACH)  
 ELCBL C SIGNAL 14 7C-59'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH01-EXDHH01, EX. 3.5" COND.-115'  
 11-REM & RE ELCBL FR CON-122' (EACH)  
 ELCBL C SIGNAL 14 7C-122'

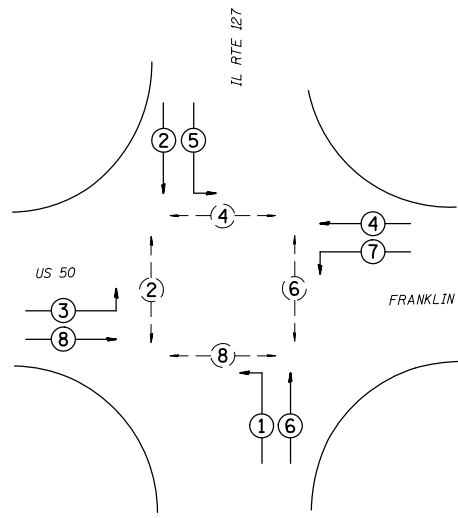
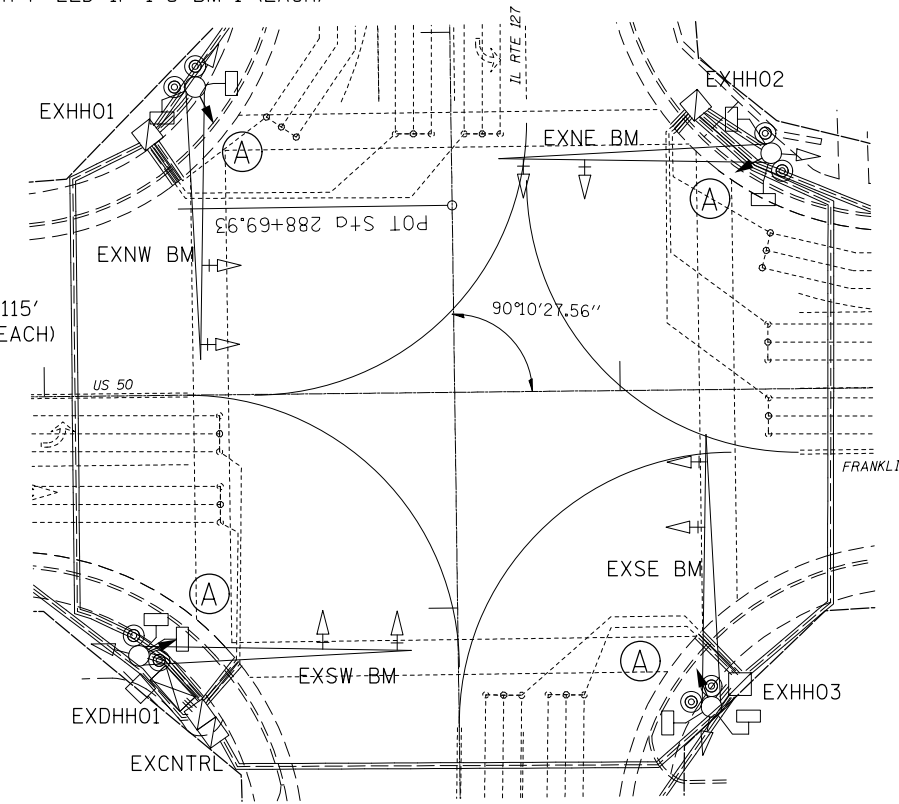
EXSW BM-EXDHH01, EX. 2.5" COND.-12'  
 REM & RE ELCBL FR CON-80'  
 REM & RE ELCBL FR CON-67'  
 2-REM & RE ELCBL FR CON-21' (EACH)  
 3-REM & RE ELCBL FR CON-28' (EACH)  
 ELCBL C SIGNAL 14 7C-28'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

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

EXHH03-EXDHH01, EX. 3" COND.-96'  
 21-REM & RE ELCBL FR CON-102' (EACH)  
 2-ELCBL C SIGNAL 14 7C-102' (EACH)

EXHH02-EXHH03, EX. 3.5" COND.-116'  
 11-REM & RE ELCBL FR CON-122' (EACH)  
 ELCBL C SIGNAL 14 7C-122'

EXSE BM-EXHH03, EX. 2.5" COND.-3'  
 REM & RE ELCBL FR CON-68'  
 REM & RE ELCBL FR CON-57'  
 2-REM & RE ELCBL FR CON-12' (EACH)  
 3-REM & RE ELCBL FR CON-19' (EACH)  
 ELCBL C SIGNAL 14 7C-19'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

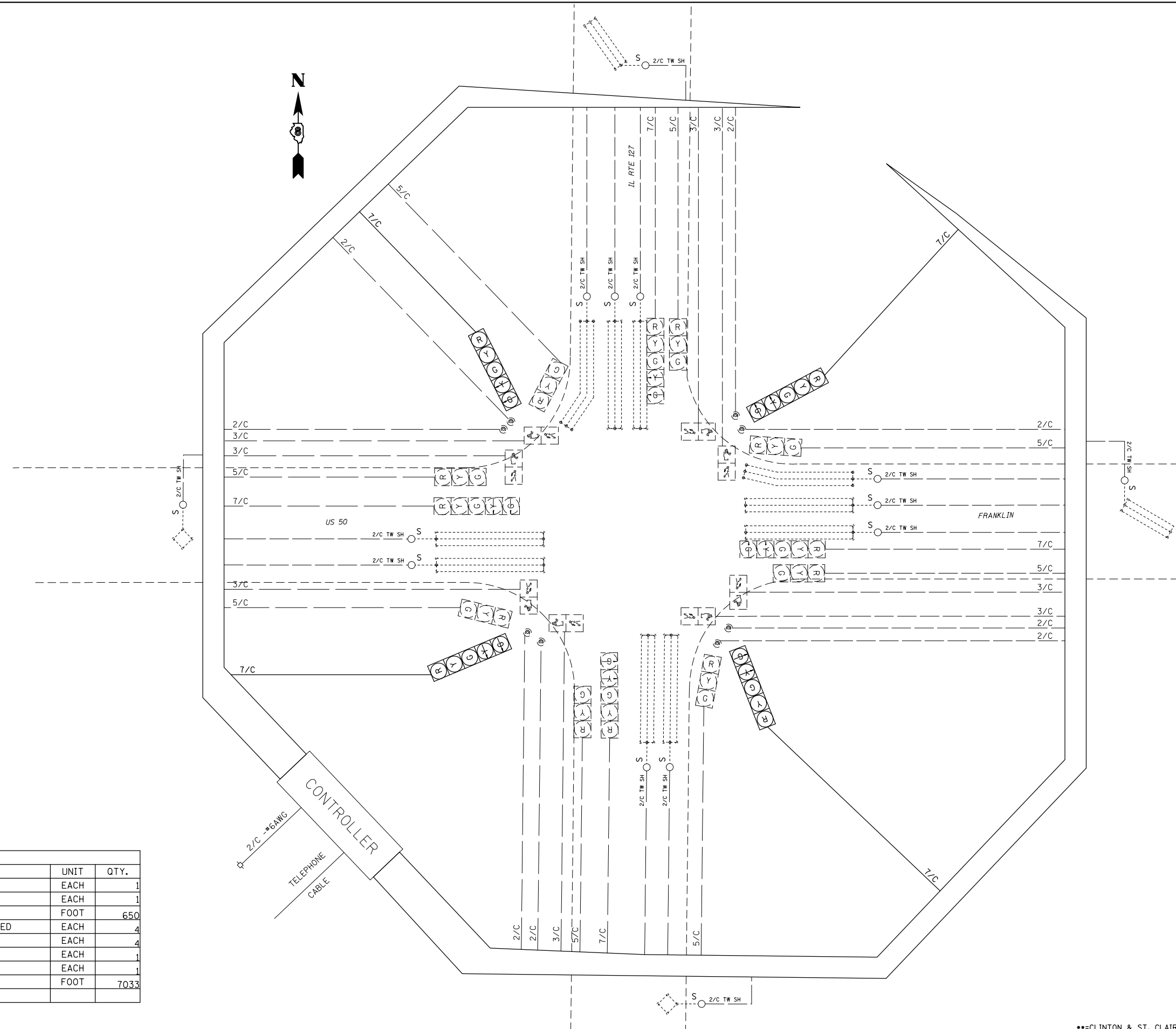
US 50 & IL 127 (CARLYLE, CLINTON CNTY.)  
 TRAFFIC SIGNAL PLAN

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-2	••	116	9
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	650
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502330	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	7033

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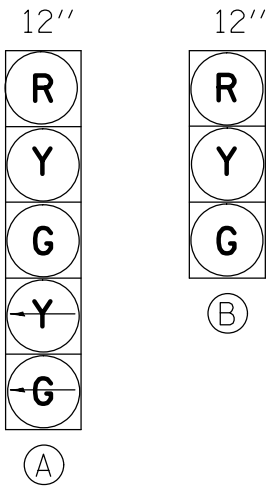
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 50 & IL 127 (CARLYLE, CLINTON CNTY.)  
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	10
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXHH02-EXHH03, EX. 2" COND.-18'  
REM & RE ELCBL FR CON-24'  
ELCBL C SIGNAL 14 5C-24'

EXHH03-EXDHH01, EX. 2" COND.-39'  
3-REM & RE ELCBL FR CON-45'(EACH)  
ELCBL C SIGNAL 14 5C-45'  
ELCBL C SIGNAL 14 7C-45'

EXDHH01-EXCNTRL, EX. 3.5" COND.-1'  
18-REM & RE ELCBL FR CON-17'(EACH)  
3-ELCBL C SIGNAL 14 5C-17'(EACH)  
ELCBL C SIGNAL 14 7C-17'

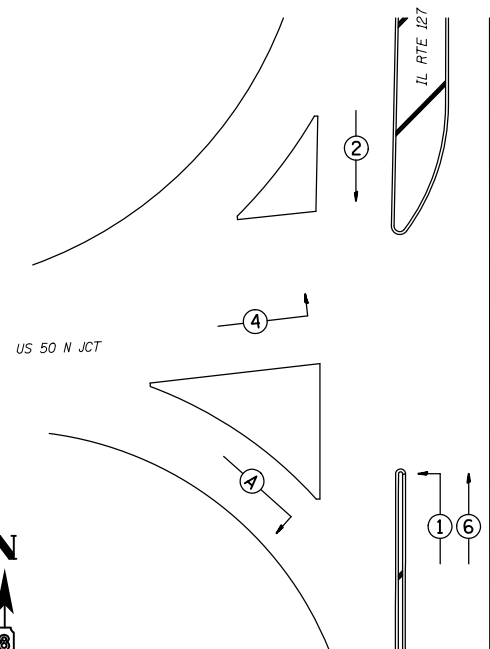
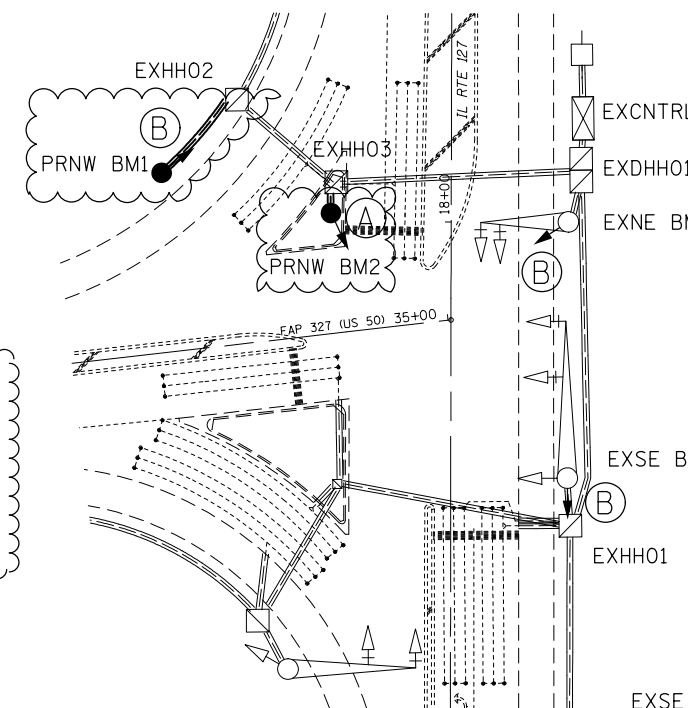
EXNE BM-EXDHH01, EX. 1.5" COND.-4'  
REM & RE ELCBL FR CON-42'  
REM & RE ELCBL FR CON-39'  
ELCBL C SIGNAL 14 5C-20'  
SH P LED 1F 1-3 BM-1 (EACH)

EXHH01-EXDHH01, EX. 2.5" COND.-56'  
13-REM & RE ELCBL FR CON-63' (EACH)  
ELCBL C SIGNAL 14 5C-63'

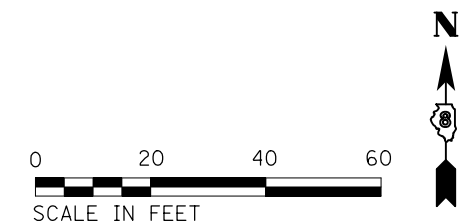
EXSE BM-EXHH01, EX. 1.5" COND.-5'  
REM & RE ELCBL FR CON-55'  
REM & RE ELCBL FR CON-45'  
REM & RE ELCBL FR CON-21'  
ELCBL C SIGNAL 14 5C-21'  
REBUILD EX SIG HEAD-1 (EACH)  
SH P LED 1F 1-3 BM-1 (EACH)

PRNW BM1-EXHH02, EX. 1.5" COND.-15'  
LOCATE UNDERGR CABLE-15'  
CONC FDN TY A-3'  
UNDRGRD C PVC 1 1/2-15'  
DRILL EX HANDHOLE-1' (EACH)  
TS POST A 14-1' (EACH)  
ELCBL C SIGNAL 14 5C-31'  
SH P LED 1F 1-3 BM-1 (EACH)

PRNW BM2-EXHH03, EX. 1.5" COND.-2'  
LOCATE UNDERGR CABLE-2'  
CONC FDN TY A-3'  
UNDRGRD C PVC 1 1/2-2'  
DRILL EX HANDHOLE-1' (EACH)  
TS POST A 14-1' (EACH)  
ELCBL C SIGNAL 14 7C-18'  
SH P LED 1F 1-5 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US 50 & IL 127 N JCT (CARLYLE, CLINTON CNTY.)  
TRAFFIC SIGNAL PLAN

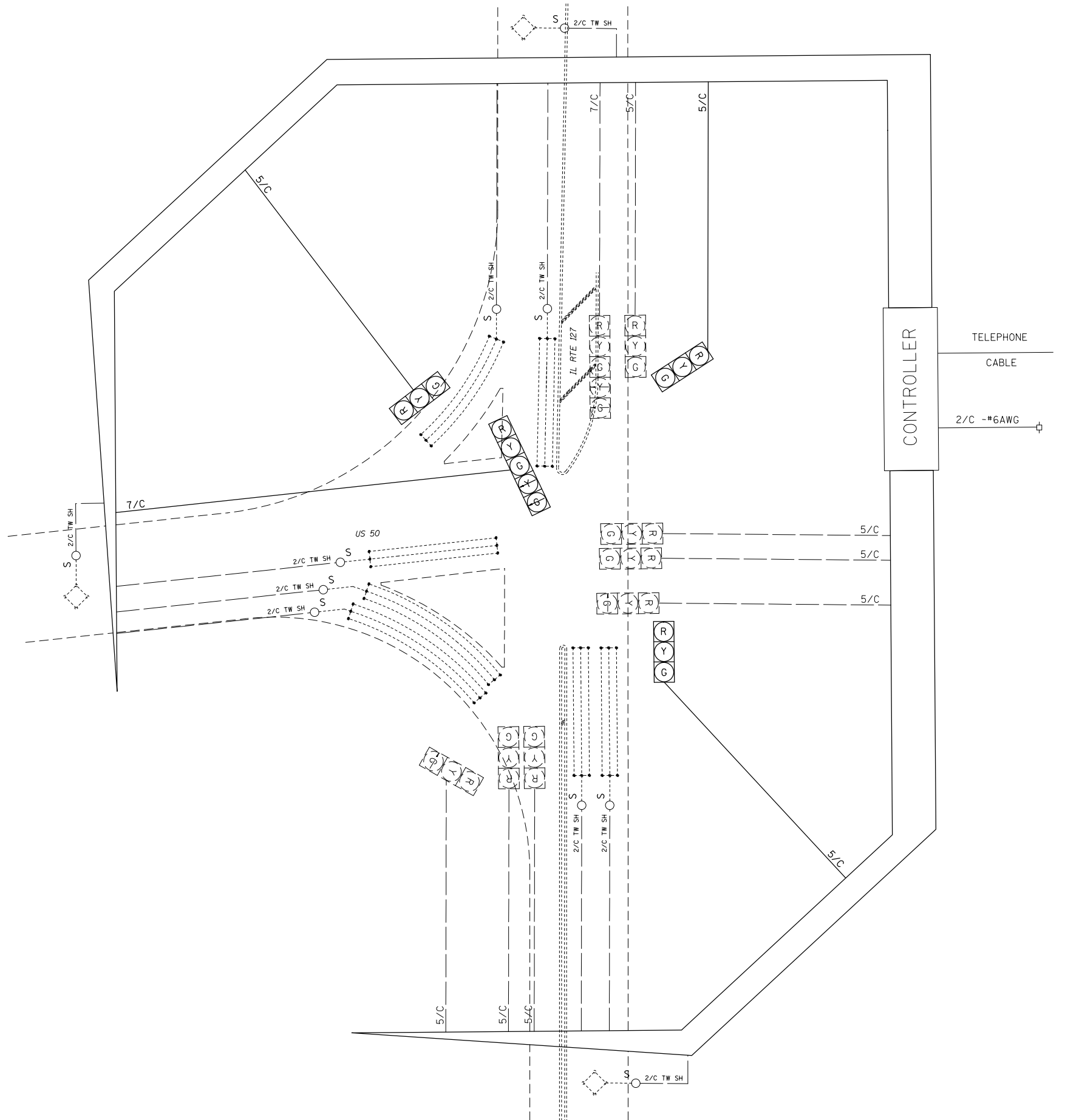
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	11
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	17
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	17
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	255
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	80
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
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	1486

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

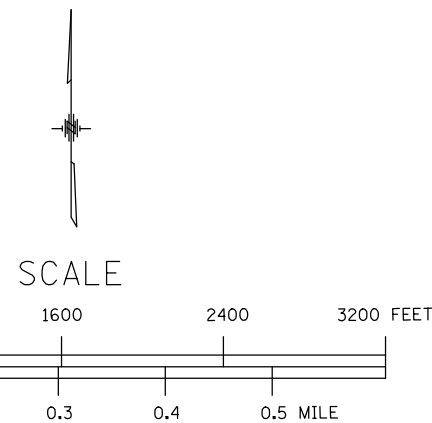
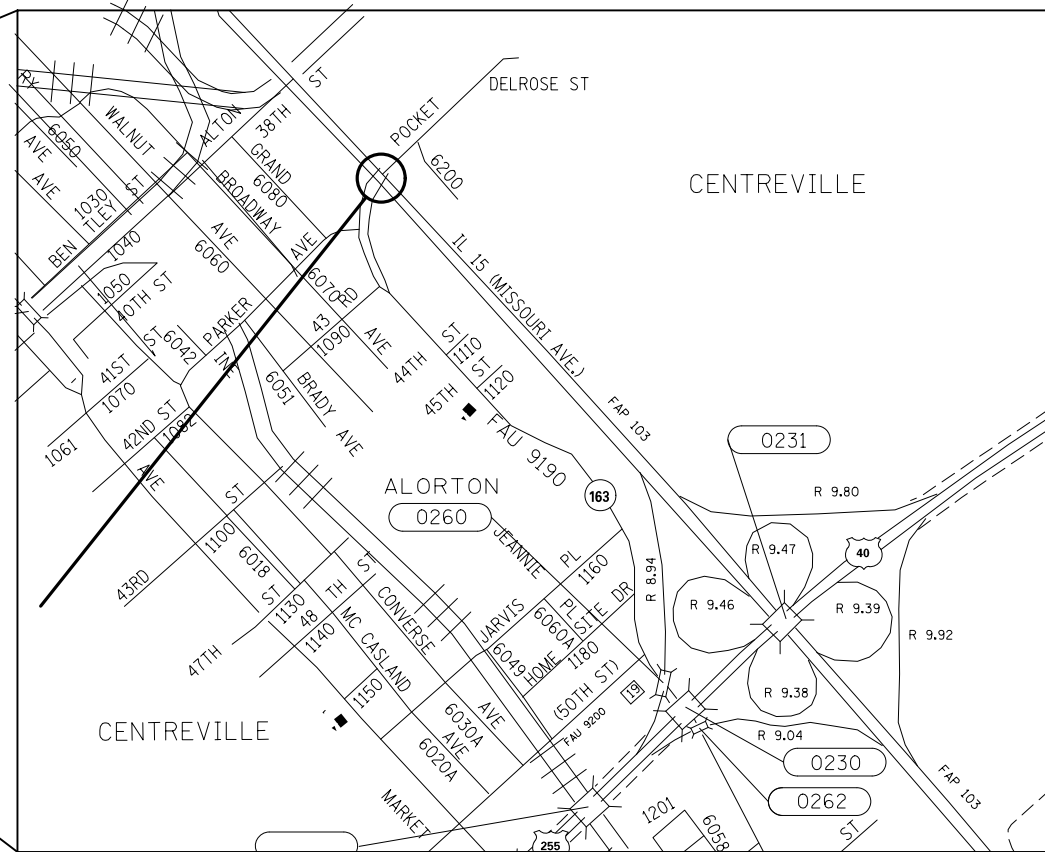
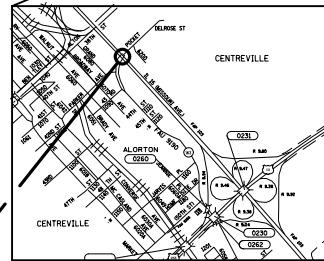
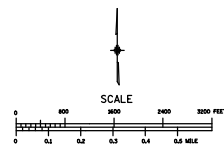
**US 50 & IL 127 N JCT (CARLYLE, CLINTON CNTY.)  
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	12
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*\*=CLINTON & ST. CLAIR

IL 15 & IL 163/POCKET RD.

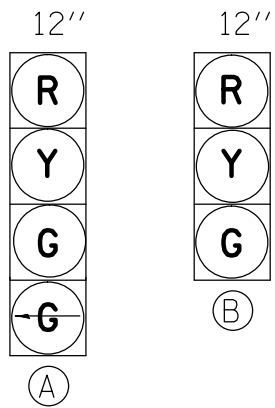


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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

		***=CLINTON & ST. CLAIR	
RTE.	SECTION	COUNTY	TOTAL SHEETS
•	Dist 8 TS 2017-2	••	13
•=VARIOUS		CONTRACT NO. 76J23	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

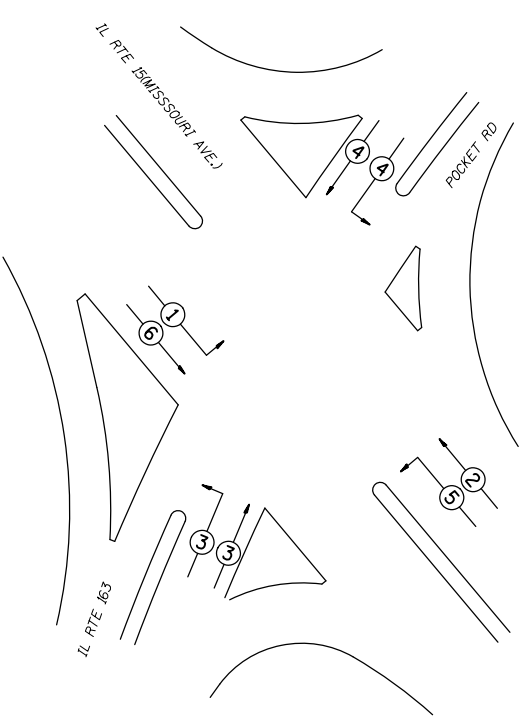
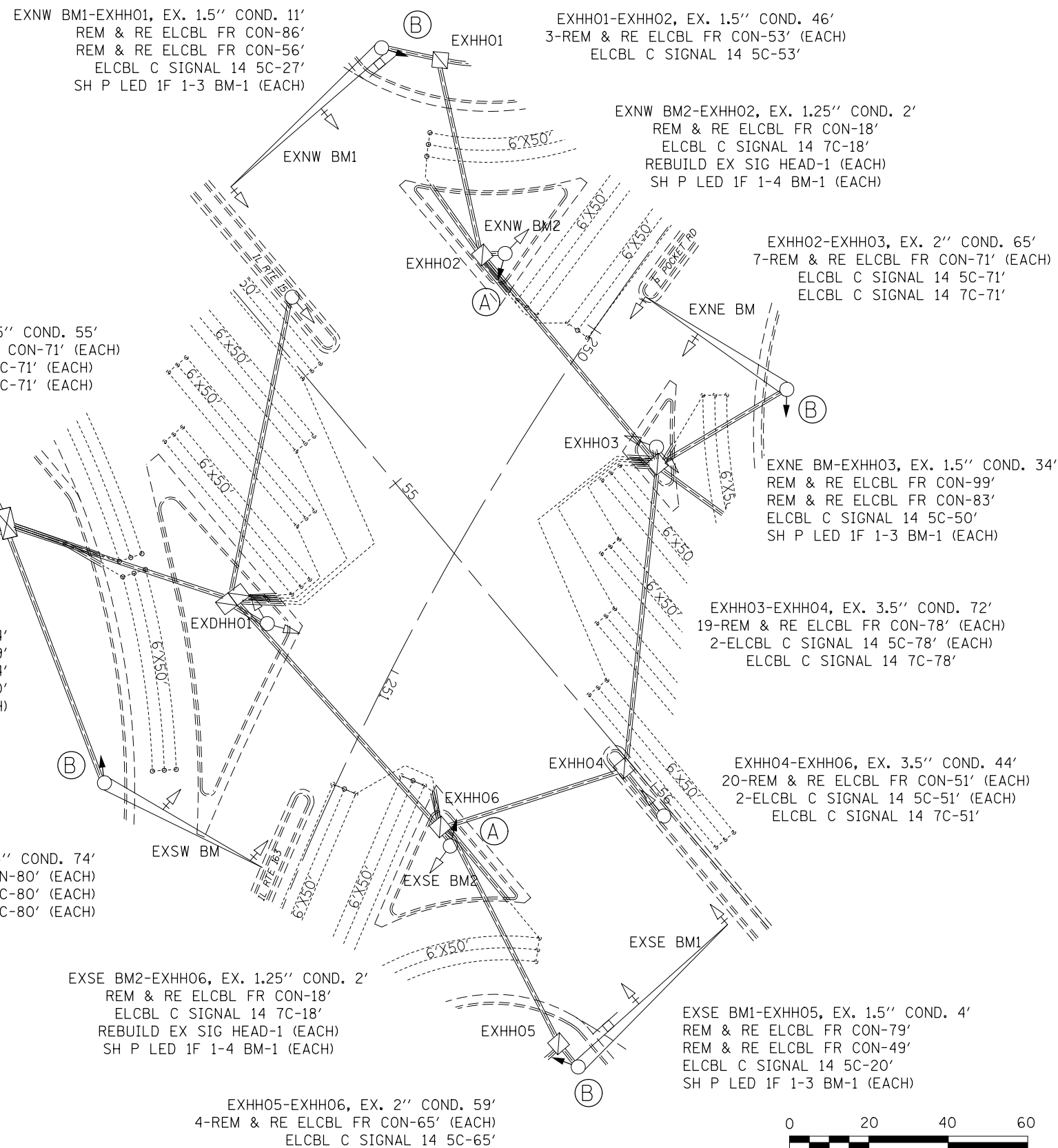


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 15 & IL 163/POCKET (ALORTON, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

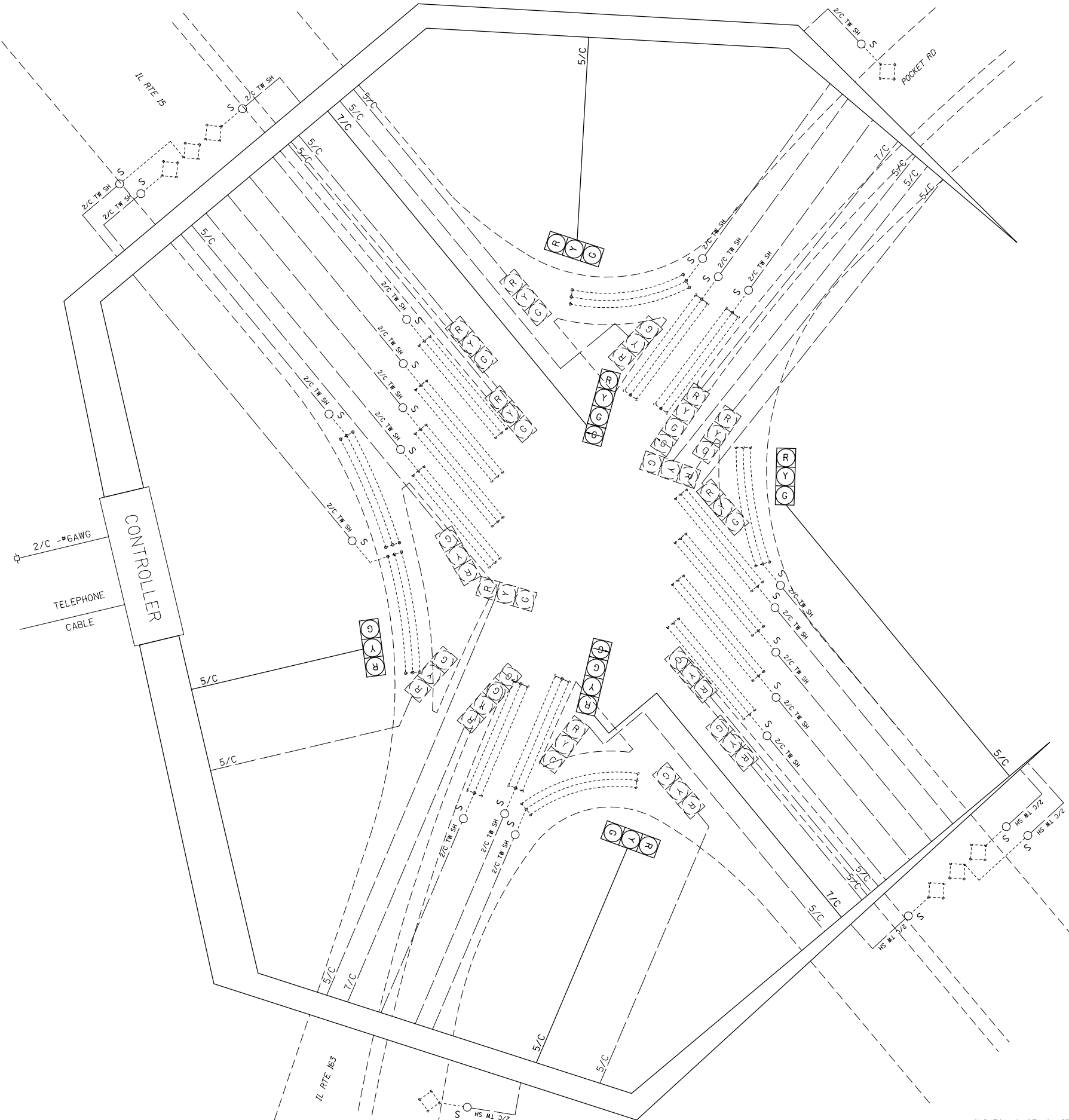
SCALE: SHEET NO. OF SHEETS STA. TO STA.

CLINTON & ST. CLAIR

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-2	••	116	14
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING 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
- EXISTING SERVICE INSTALLATION



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	1079
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	538
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
88502330	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	8736

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 15 & IL 163 POCKET (ALORTON, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	15
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••=CLINTON & ST. CLAIR



==CLINTON & ST. CLAIR

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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2017	DATE -	REVISED -

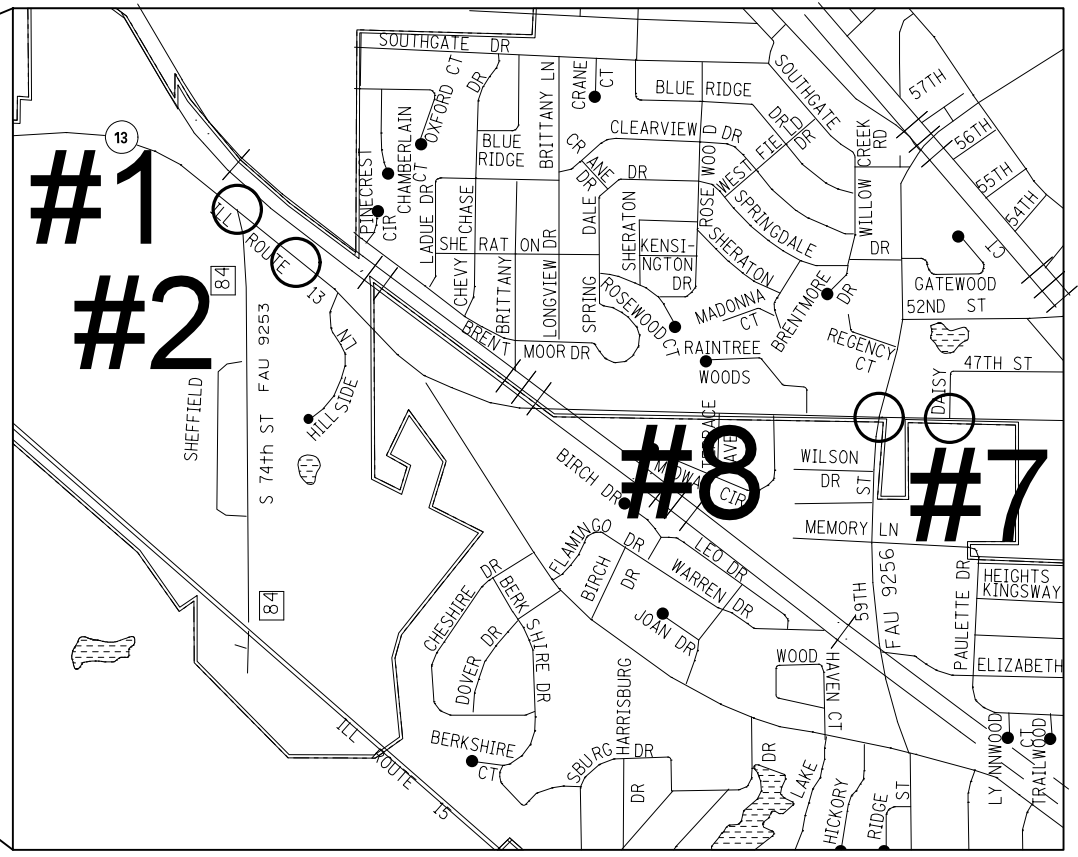
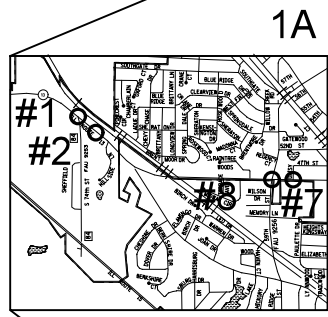
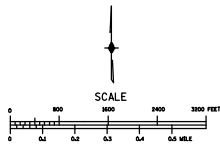
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION  
MAP BELLEVILLE, ST. CLAIR CNTY. (1-4 OF 4)**

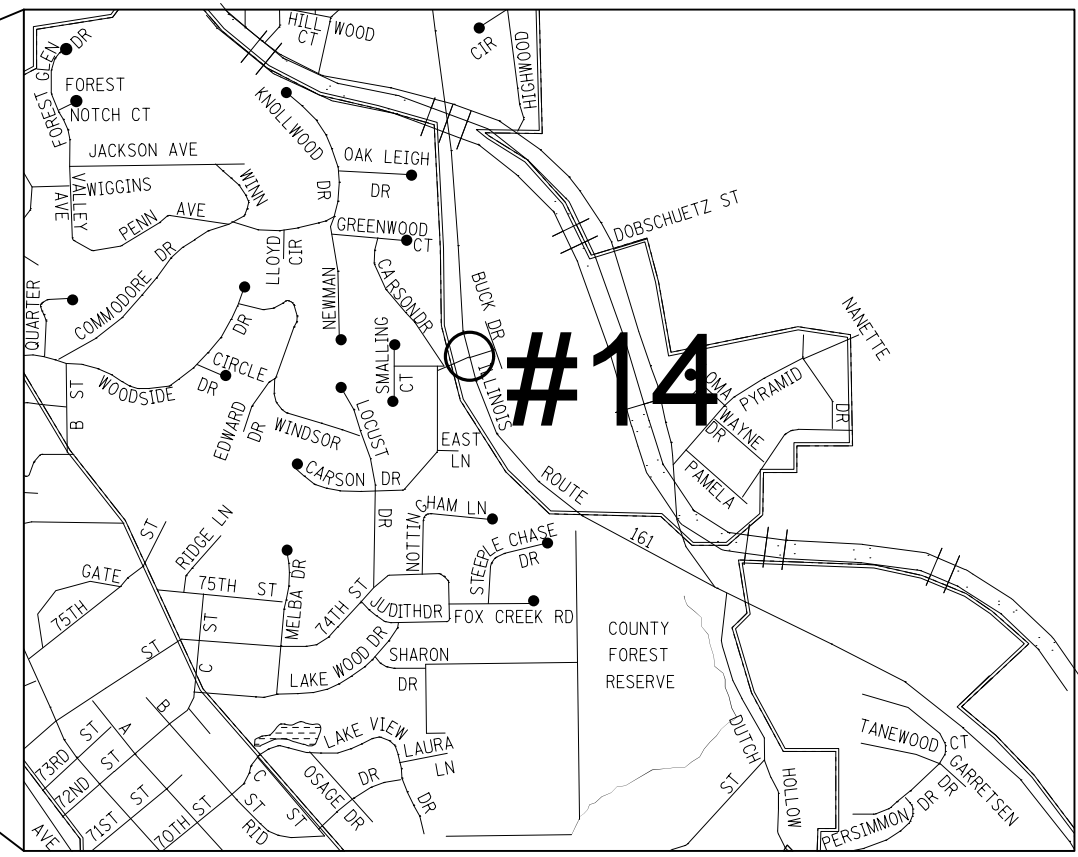
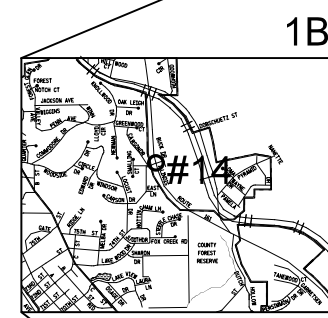
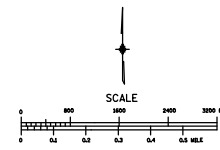
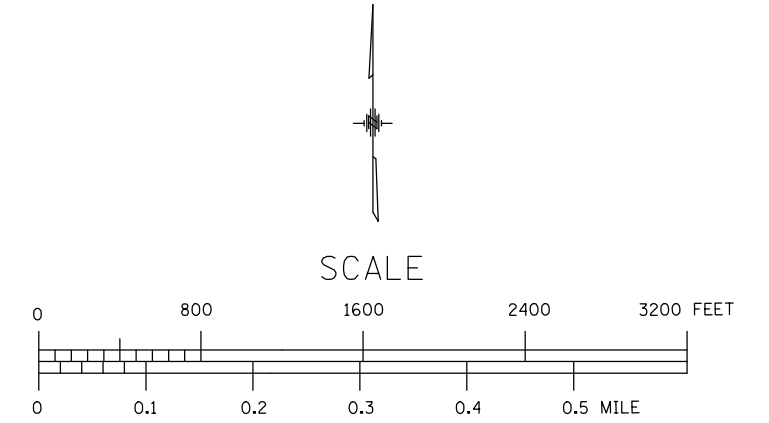
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	16
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

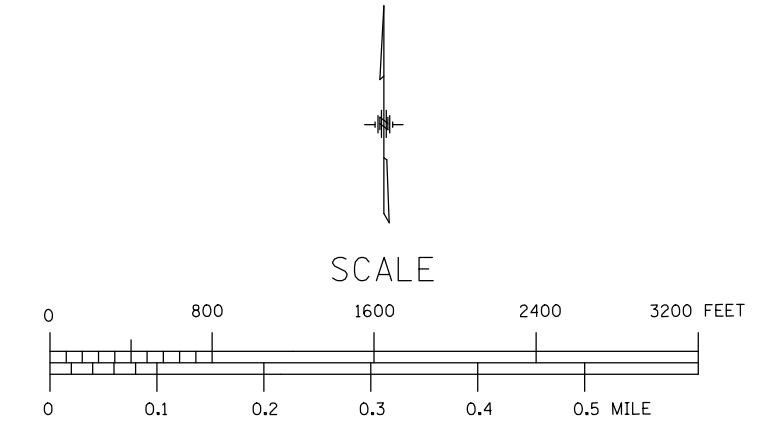




#1 IL 13 & 74TH ST.  
 #2 IL 13 & WESTFIELD PLAZA ENT  
 #7 47TH & N BELT WEST/SCHNUCKS  
 #8 FRANK SCOTT PKWY & N BELT W



#14 IL 161 & CARSON



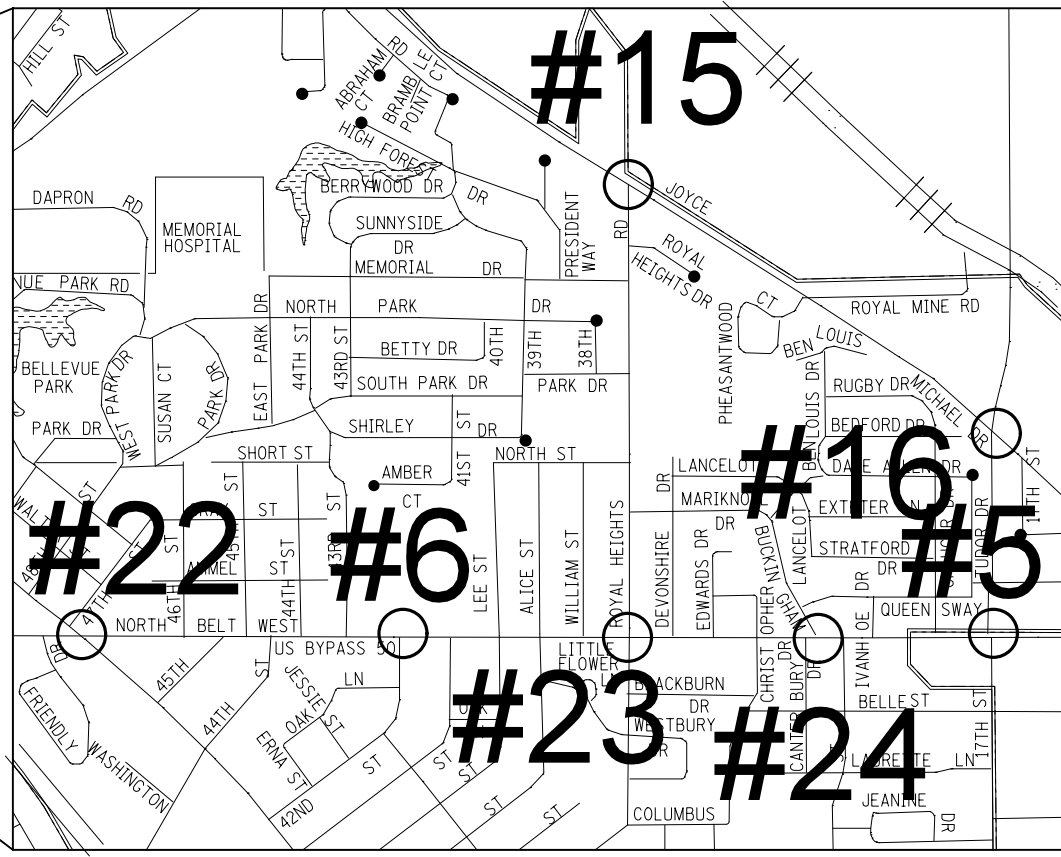
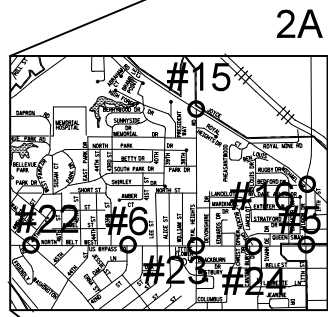
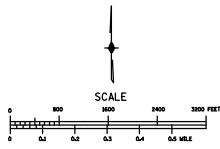
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

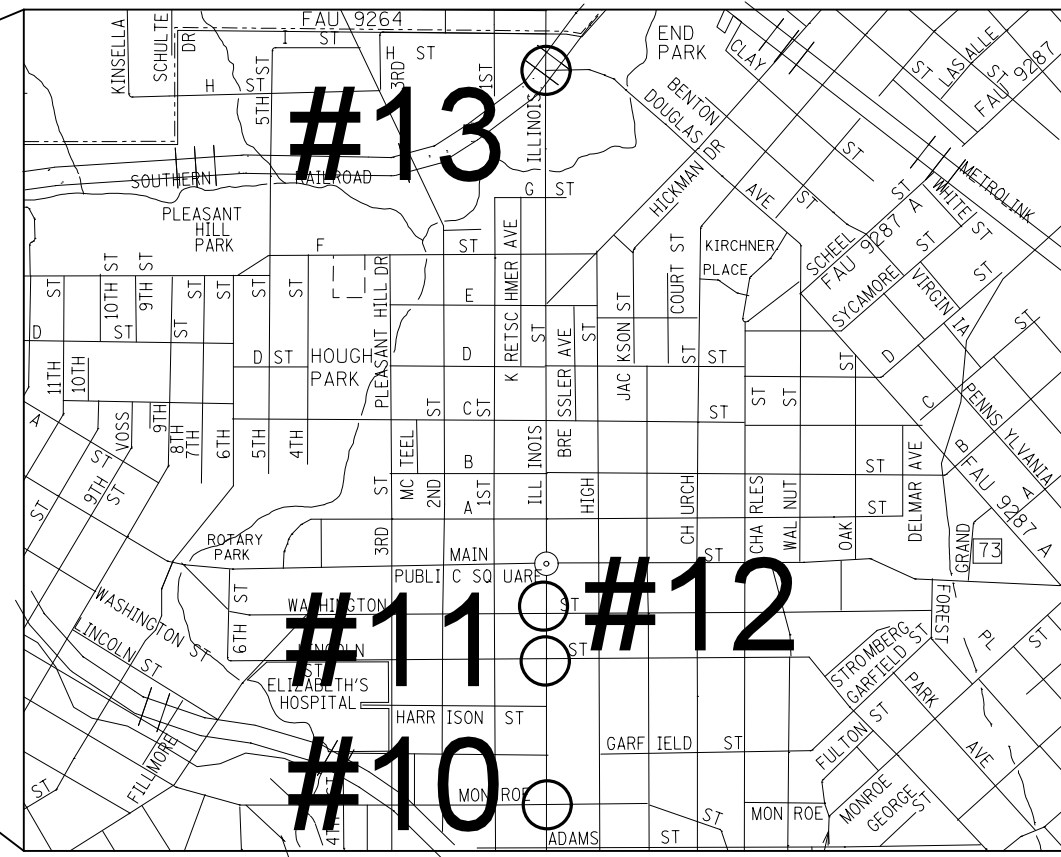
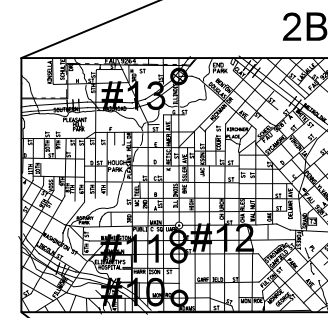
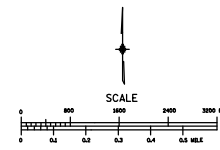
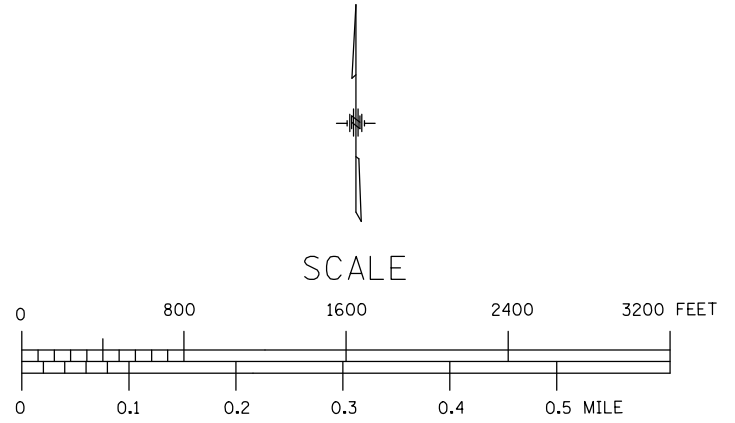
<b>LOCATION</b>			
<b>MAP BELLEVILLE, ST. CLAIR CNTY. (1 OF 4)</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

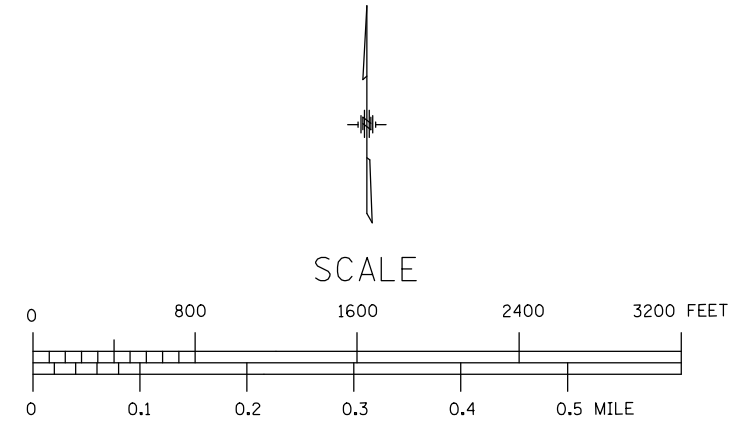
••=CLINTON & ST. CLAIR



- #5 17TH & N BELT WEST
- #6 42ND & N BELT WEST
- #15 IL 161 & ROYAL HEIGHTS
- #16 IL 161 & N 17TH
- #22 N BELT W & W MAIN
- #23 N BELT W & ROYAL HEIGHTS
- #24 N BELT W & BUCKINGHAM



- #10 IL 159 & MONROE
- #11 IL 159 & LINCOLN
- #12 IL 159 & WASHINGTON
- #13 IL 159 & DOUGLAS



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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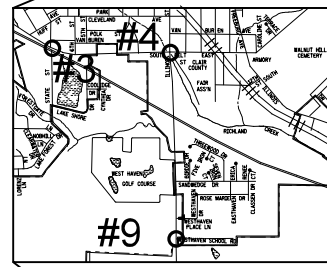
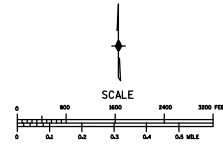
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION  
MAP BELLEVILLE, ST. CLAIR CNTY. (2 OF 4)**

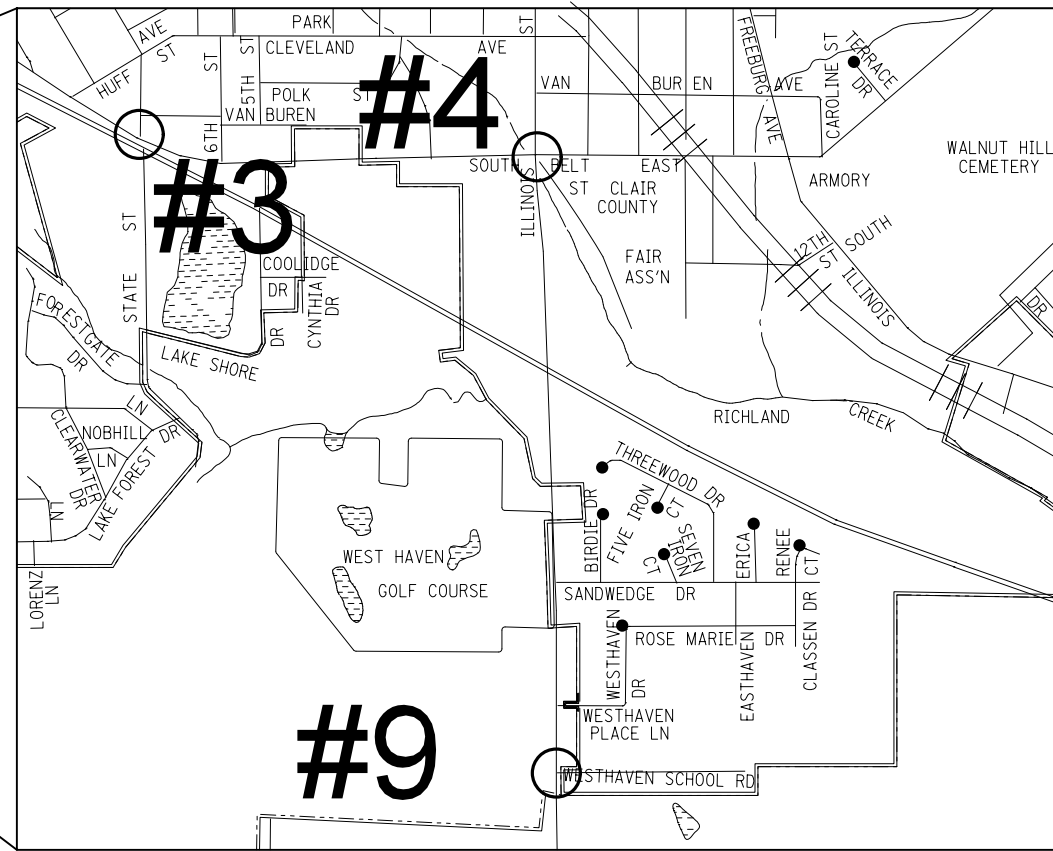
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••=CLINTON & ST. CLAIR

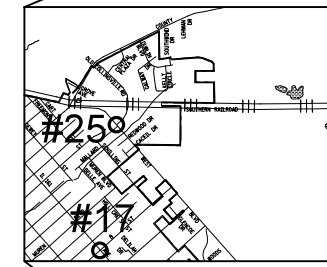
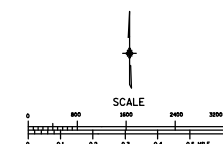
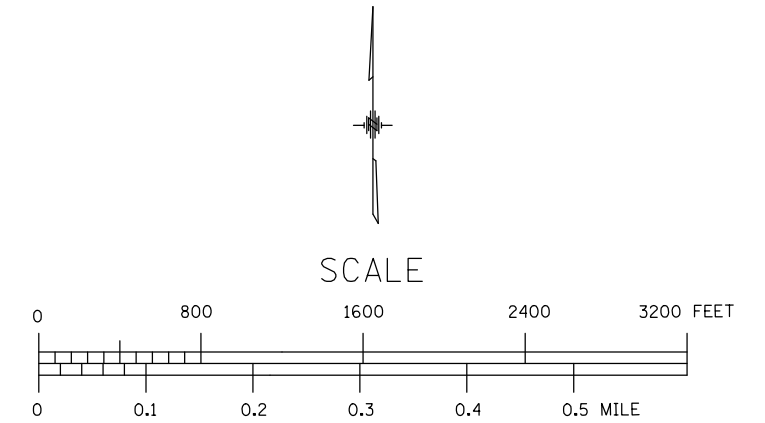
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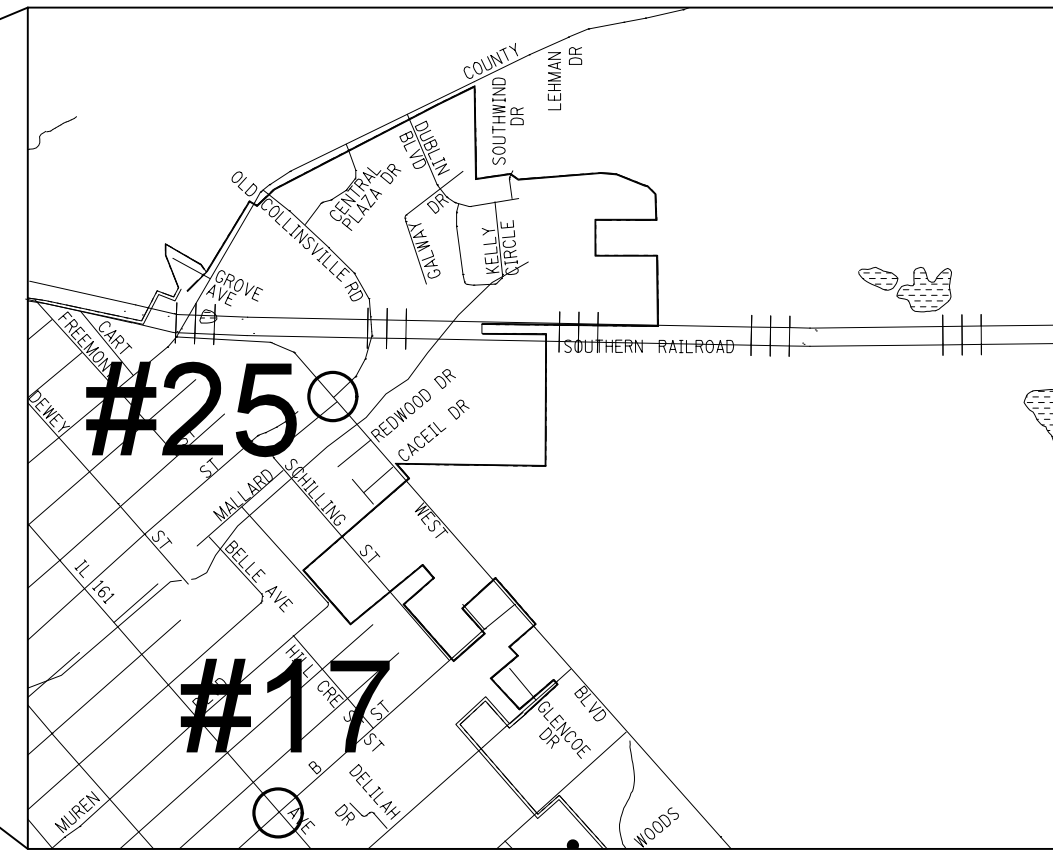
3A



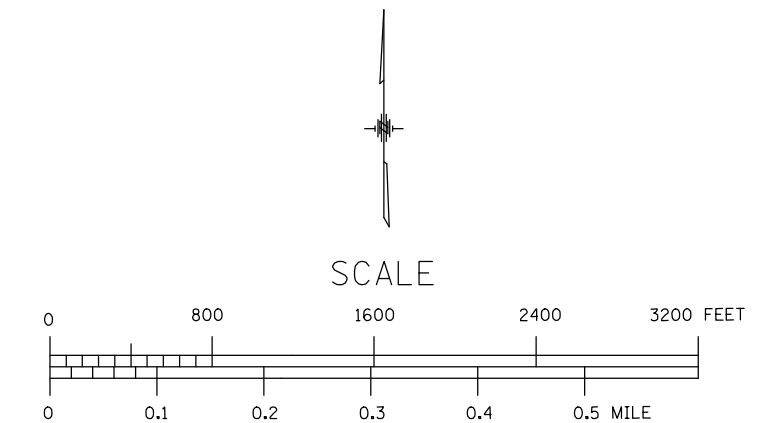
#3 IL 13 & STATE ST  
 #4 IL 13/158 & IL 159  
 #9 IL 159 & ROSS



3B



#17 IL 161 & B ST.  
 #25 WEST & OLD COLLINSVILLE



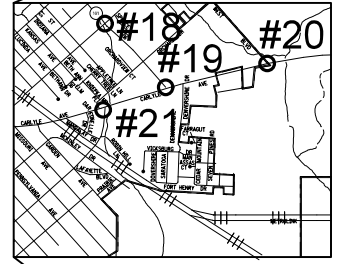
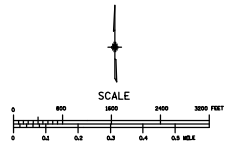
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

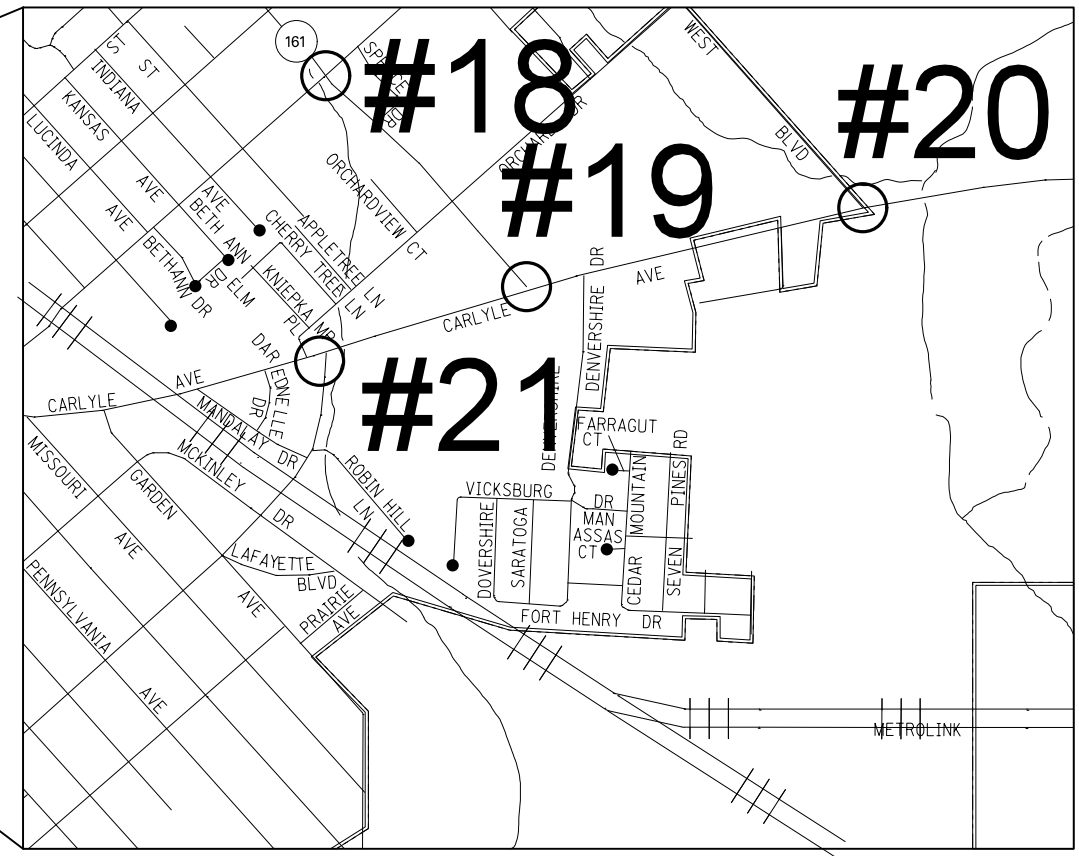
**LOCATION  
 MAP BELLEVILLE, ST. CLAIR CNTY. (3 OF 4)**

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

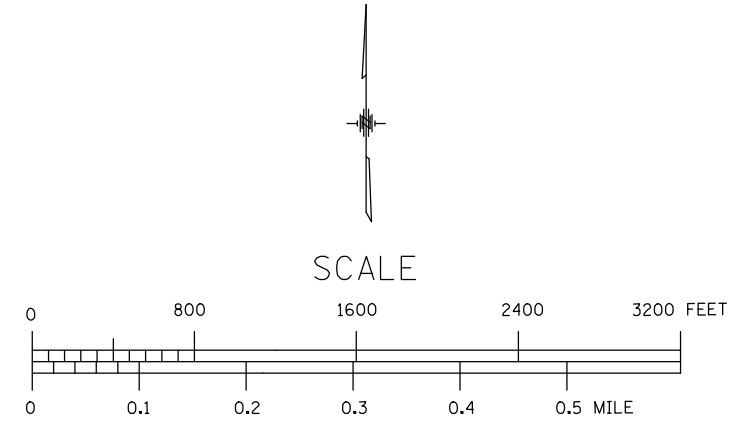
••=CLINTON & ST. CLAIR



4



- #18 IL 161 & E MAIN
- #19 IL 161 & CARLYLE
- #20 IL 161 & WEST
- #21 CARLYLE & McCLINTOCK



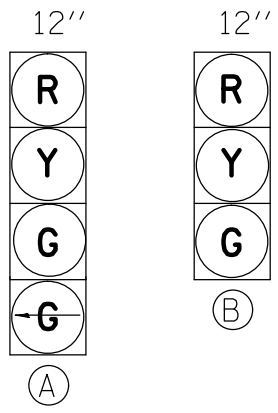
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION  
MAP BELLEVILLE, ST. CLAIR CNTY. (4 OF 4)**

		**=CLINTON & ST. CLAIR	
RTE.	SECTION	COUNTY	TOTAL SHEETS
•	Dist 8 TS 2017-2	**	116
•=VARIOUS		CONTRACT NO. 76J23	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

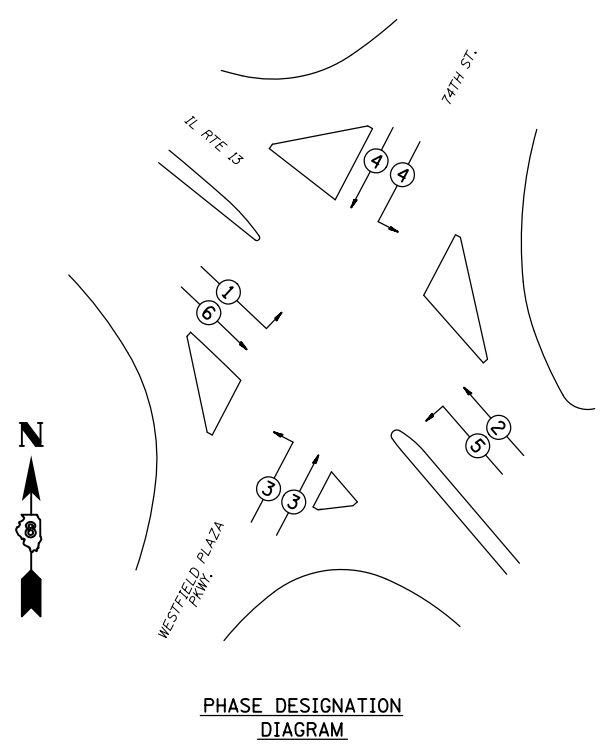
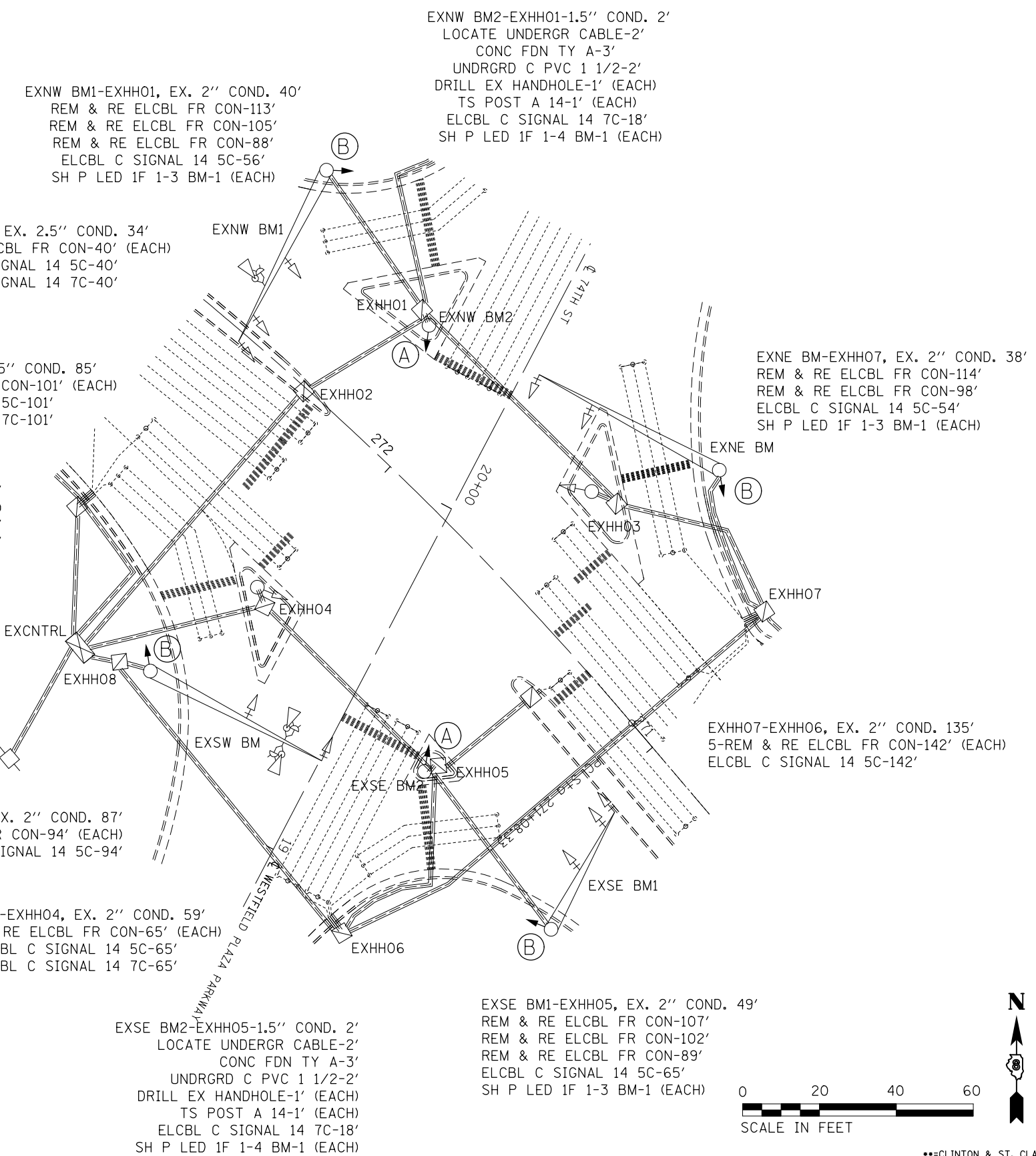
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PROPOSED TRAFFIC SIGNAL FACES

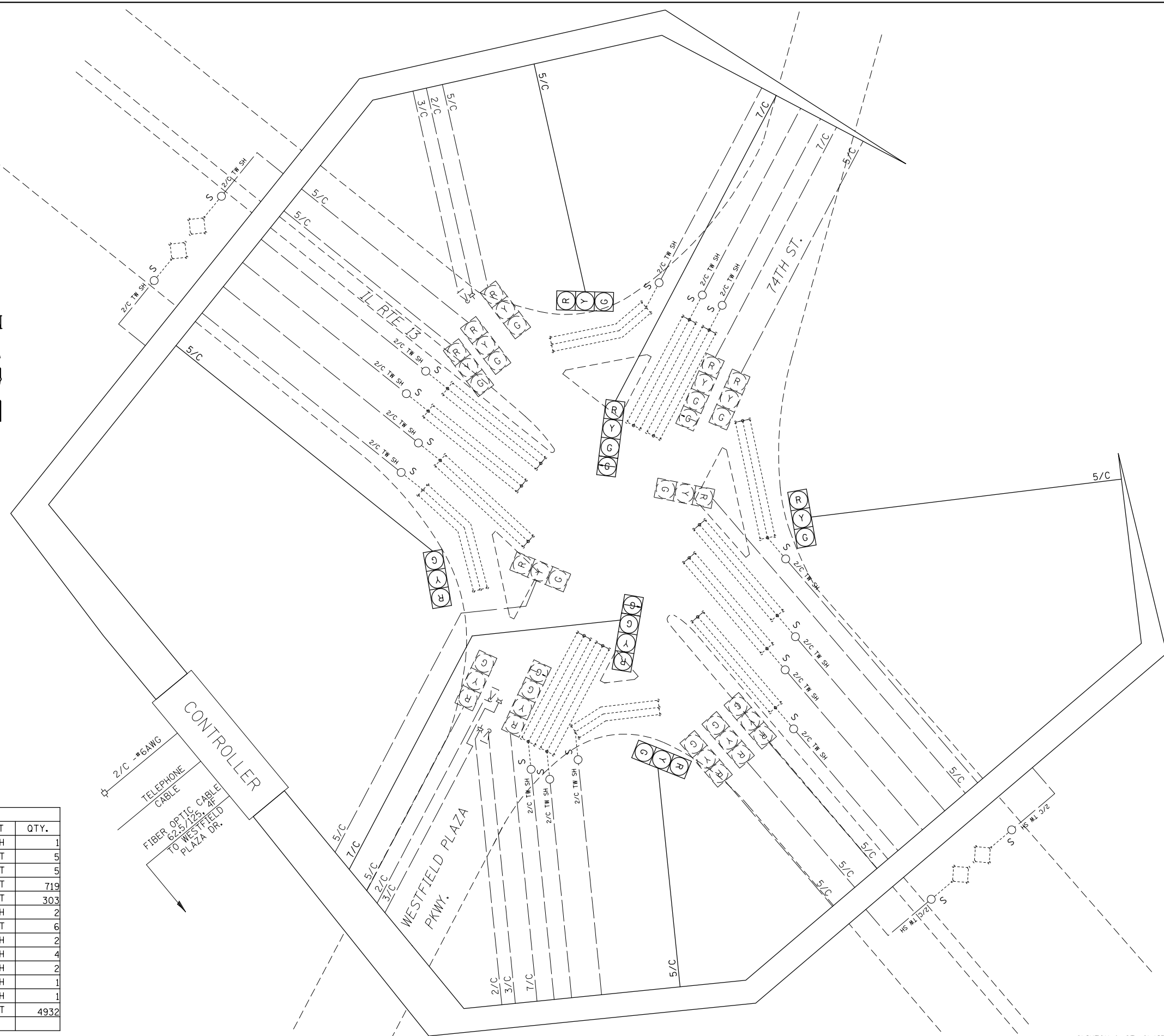
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
8030010	LOCATING UNDERGROUND CABLE	FOOT	5
8102834	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	5
87301745	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	719
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	303
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	4
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	4932

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 13 & 74TH ST. (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

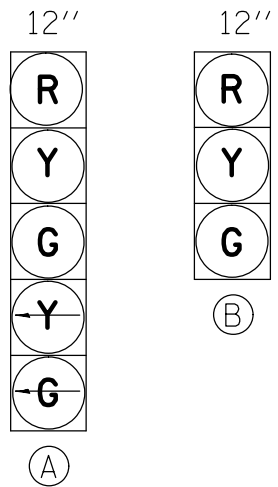
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•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

••=CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

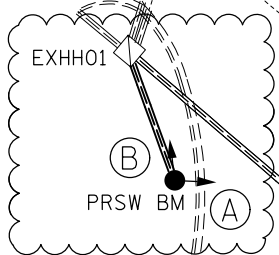
EXISTING FULL-ACTUATED CONTROLLER

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	NONE	6				1 OR 2		NONE

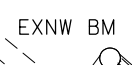


PROPOSED TRAFFIC SIGNAL FACES

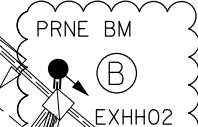
PRSW BM-EXHH01-1.5"-20'  
 LOCATE UNDERGR CABLE-20'  
 CONC FDN TY A-3'  
 UNDRGRD C PVC 1 1/2-20'  
 DRILL EX HANDHOLE-1' (EACH)  
 TS POST A 14-1' (EACH)  
 ELCBL C SIGNAL 14 5C-36'  
 ELCBL C SIGNAL 14 7C-36'  
 SH P LED 2F 1-3 1-5 BM-1 (EACH)



EXNW BM-EXHH02, EX. 2" COND.-53'  
 REM & RE ELCBL FR CON-115'  
 REM & RE ELCBL FR CON-92'  
 REM & RE ELCBL FR CON-106'  
 REM & RE ELCBL FR CON-123'  
 ELCBL C SIGNAL 14 5C-69'  
 SH P LED 1F 1-3 BM-1 (EACH)



PRNE BM-EXHH02-1.5" COND.-2'  
 LOCATE UNDERGR CABLE-2'  
 CONC FDN TY A-3'  
 UNDRGRD C PVC 1 1/2-2'  
 DRILL EX HANDHOLE-1 (EACH)  
 TS POST A 14-1 (EACH)  
 ELCBL C SIGNAL 14 5C-18'  
 SH P LED 1F 1-3 BM-1 (EACH)



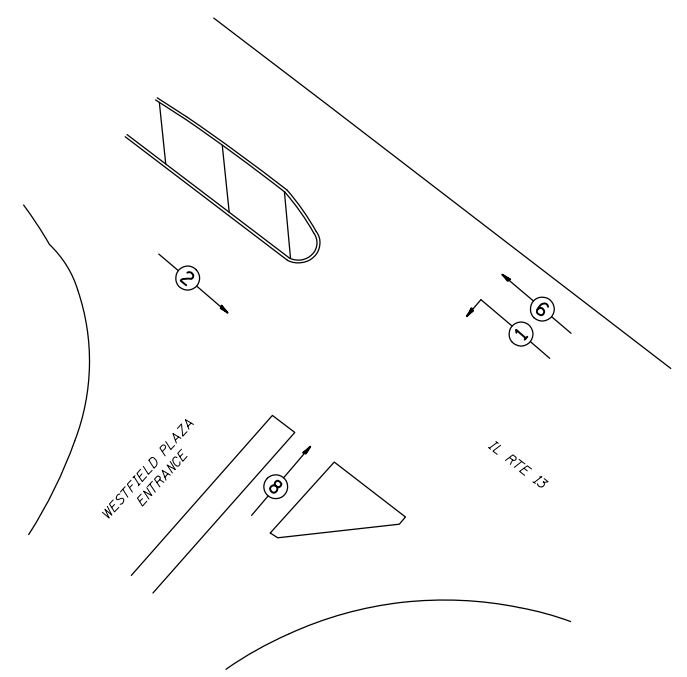
EXHH01-EXHH03, EX. 2" COND.-99'  
 4-REM & RE ELCBL FR CON-105' (EACH)  
 ELCBL C SIGNAL 14 5C-105'  
 ELCBL C SIGNAL 14 7C-105'

EXHH03-EXDHH01, EX. 3" COND.-34'  
 15-REM & RE ELCBL FR CON-40' (EACH)  
 3-ELCBL C SIGNAL 14 5C-40' (EACH)  
 ELCBL C SIGNAL 14 7C-40'

EXDHH01-EXCNTRL, EX. 3.5" COND.-3'  
 18-REM & RE ELCBL FR CON-19' (EACH)  
 4-ELCBL C SIGNAL 14 5C-19' (EACH)  
 ELCBL C SIGNAL 14 5C-19'

EXHH02-EXHH03, EX. 2.5" COND.-92'  
 9-REM & RE ELCBL FR CON-99' (EACH)  
 2-ELCBL C SIGNAL 14 5C-99' (EACH)

EXSE BM-EXDHH01, EX. 1.5" COND.-20'  
 REM & RE ELCBL FR CON-83'  
 REM & RE ELCBL FR CON-65'  
 ELCBL C SIGNAL 14 5C-36'  
 SH P LED 1F 1-3 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 13 & WESTFIELD PLAZA ENT (BELLEVILLE, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

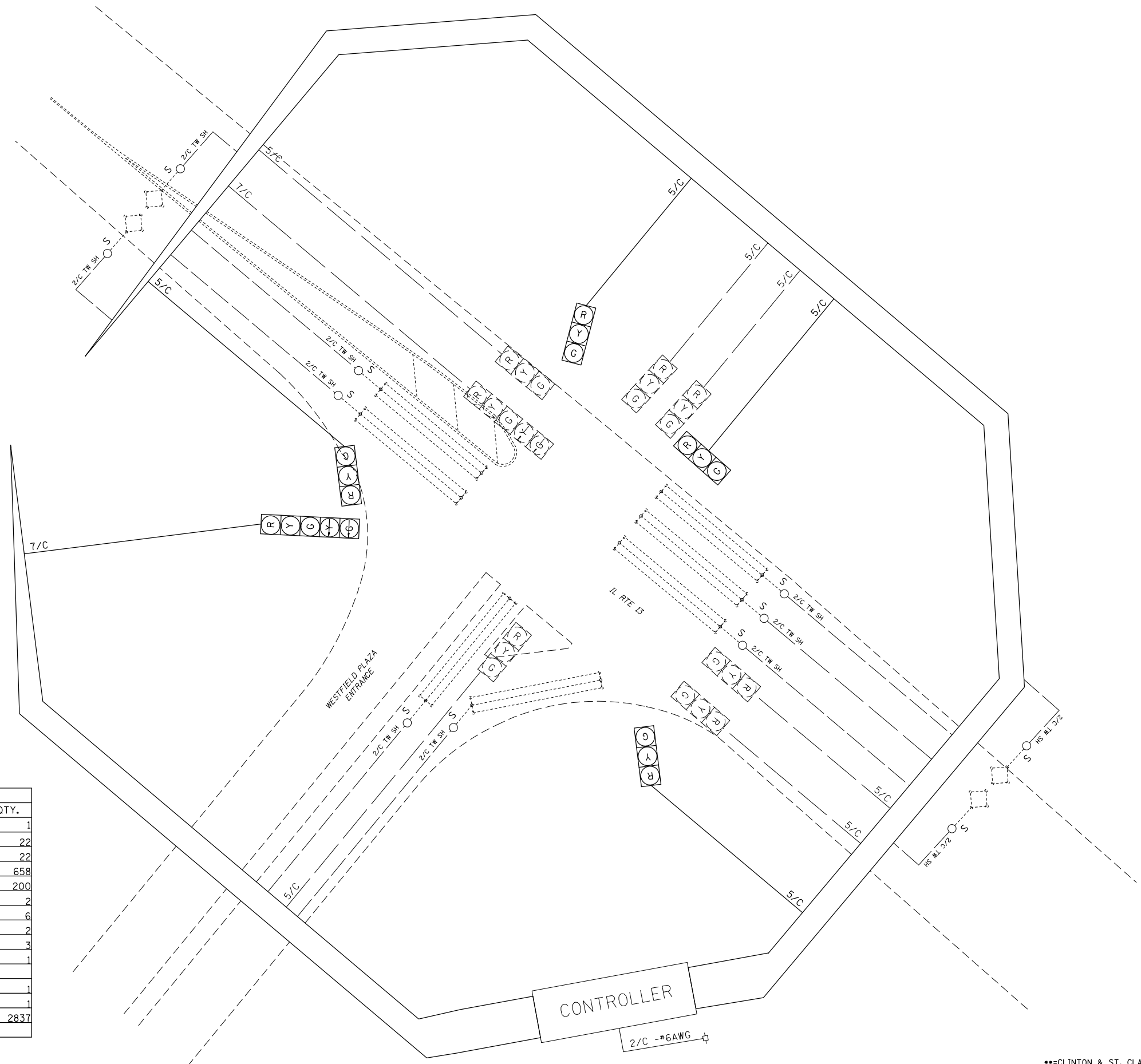
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	23
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
8030010	LOCATING UNDERGROUND CABLE	FOOT	22
8102834	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	22
8730124	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	658
8730125	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	200
8750268	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
8780010	CONCRETE FOUNDATION, TYPE A	FOOT	6
8790020	DRILL EXISTING HANDHOLE	EACH	2
8804007	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
8804026	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
8950220	MODIFY EXISTING CONTROLLER	EACH	1
8950221	MODIFY EXISTING CONTROLLER CABINET	EACH	1
8950235	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2837

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 13 & WESTFIELD PLAZA ENT (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

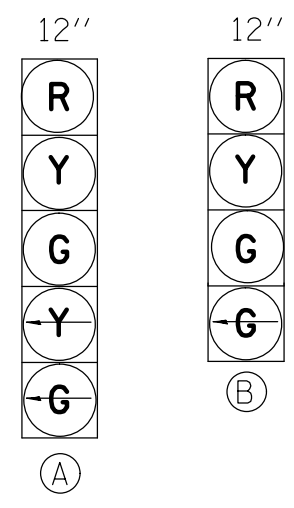
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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••=VARIOUS		CONTRACT NO. 76J23			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

EXDHH01-EXCNTRL, EX. 5" COND. 3'  
 35-REM & RE ELCBL FR CON-19' (EACH)  
 4-ELCBL C SIGNAL 14 7C-19' (EACH)

EXHH03-EXDHH01, EX. 3.5" COND. 150'  
 24-REM & RE ELCBL FR CON-157' (EACH)  
 ELCBL C SIGNAL 14 7C-157'

EXNW BM-EXDHH01, EX. 2" COND. 3'  
 REM & RE ELCBL FR CON-75'  
 REM & RE ELCBL FR CON-61'  
 REM & RE ELCBL FR CON-19'  
 ELCBL C SIGNAL 14 7C-19'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-4 BM-1 (EACH)

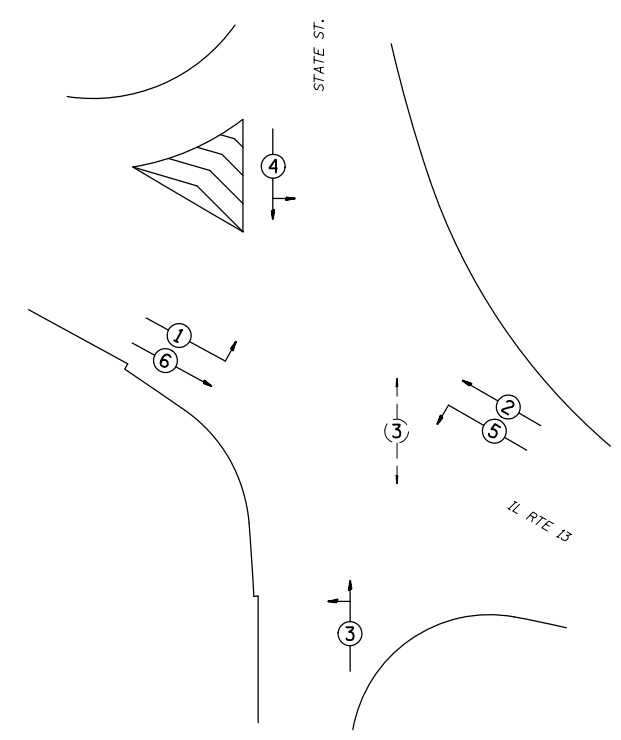
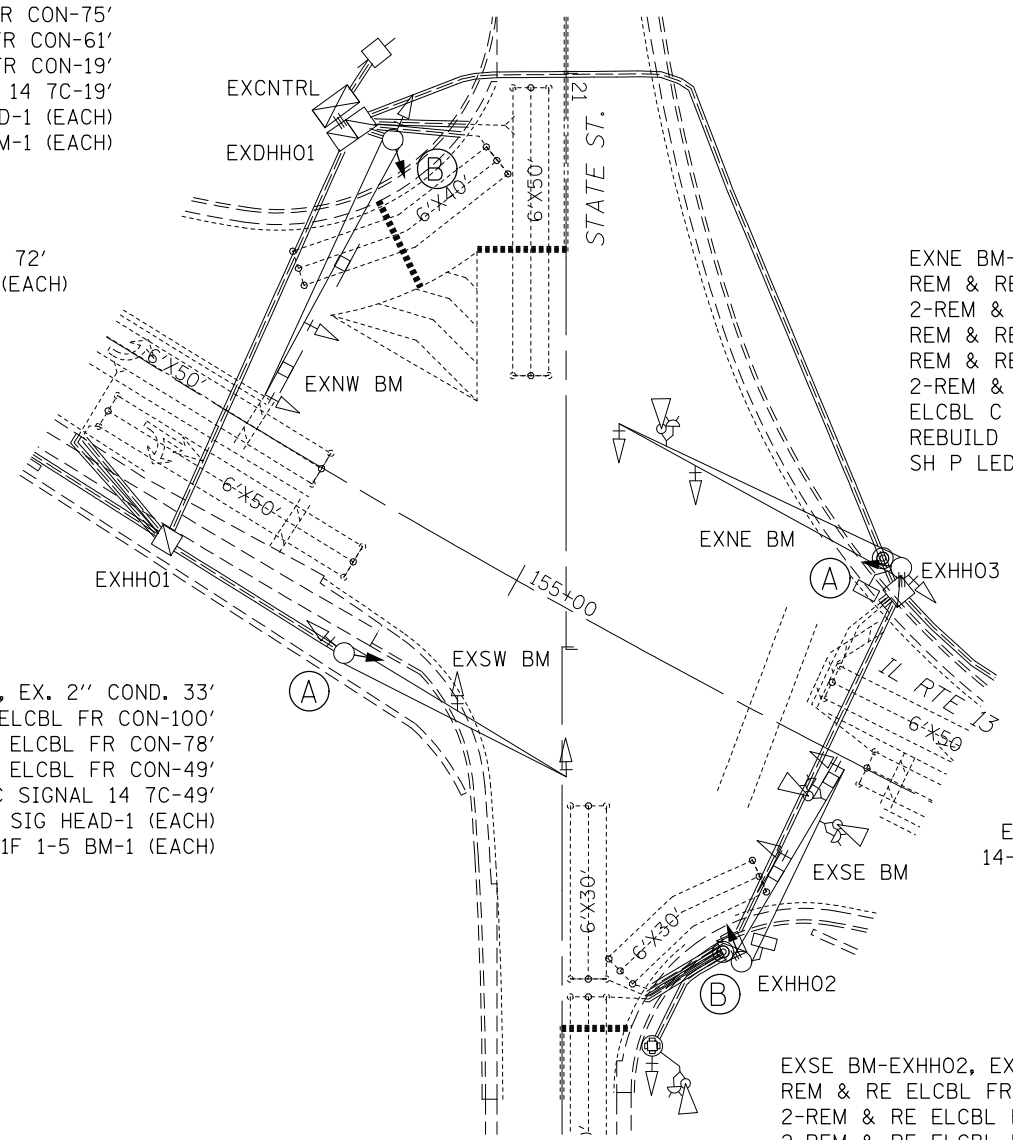
EXHH01-EXDHH01, EX. 2" COND. 72'  
 6-REM & RE ELCBL FR CON-79' (EACH)  
 ELCBL C SIGNAL 14 7C-79'

EXNE BM-EXHH03, EX. 2" COND. 3'  
 REM & RE ELCBL FR CON-81'  
 2-REM & RE ELCBL FR CON-71' (EACH)  
 REM & RE ELCBL FR CON-65'  
 REM & RE ELCBL FR CON-12'  
 2-REM & RE ELCBL FR CON-19' (EACH)  
 ELCBL C SIGNAL 14 7C-19'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

EXSW BM-EXHH01, EX. 2" COND. 33'  
 REM & RE ELCBL FR CON-100'  
 REM & RE ELCBL FR CON-78'  
 REM & RE ELCBL FR CON-49'  
 ELCBL C SIGNAL 14 7C-49'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH02-EXHH03, EX. 2.5" COND. 63'  
 14-REM & RE ELCBL FR CON-69' (EACH)  
 ELCBL C SIGNAL 14 7C-69'

EXSE BM-EXHH02, EX. 2" COND. 2'  
 REM & RE ELCBL FR CON-63'  
 2-REM & RE ELCBL FR CON-57' (EACH)  
 2-REM & RE ELCBL FR CON-53' (EACH)  
 REM & RE ELCBL FR CON-45'  
 REM & RE ELCBL FR CON-11'  
 REM & RE ELCBL FR CON-18'  
 ELCBL C SIGNAL 14 7C-18'  
 SH P LED 1F 1-4 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 13 & STATE ST (BELLEVILLE, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

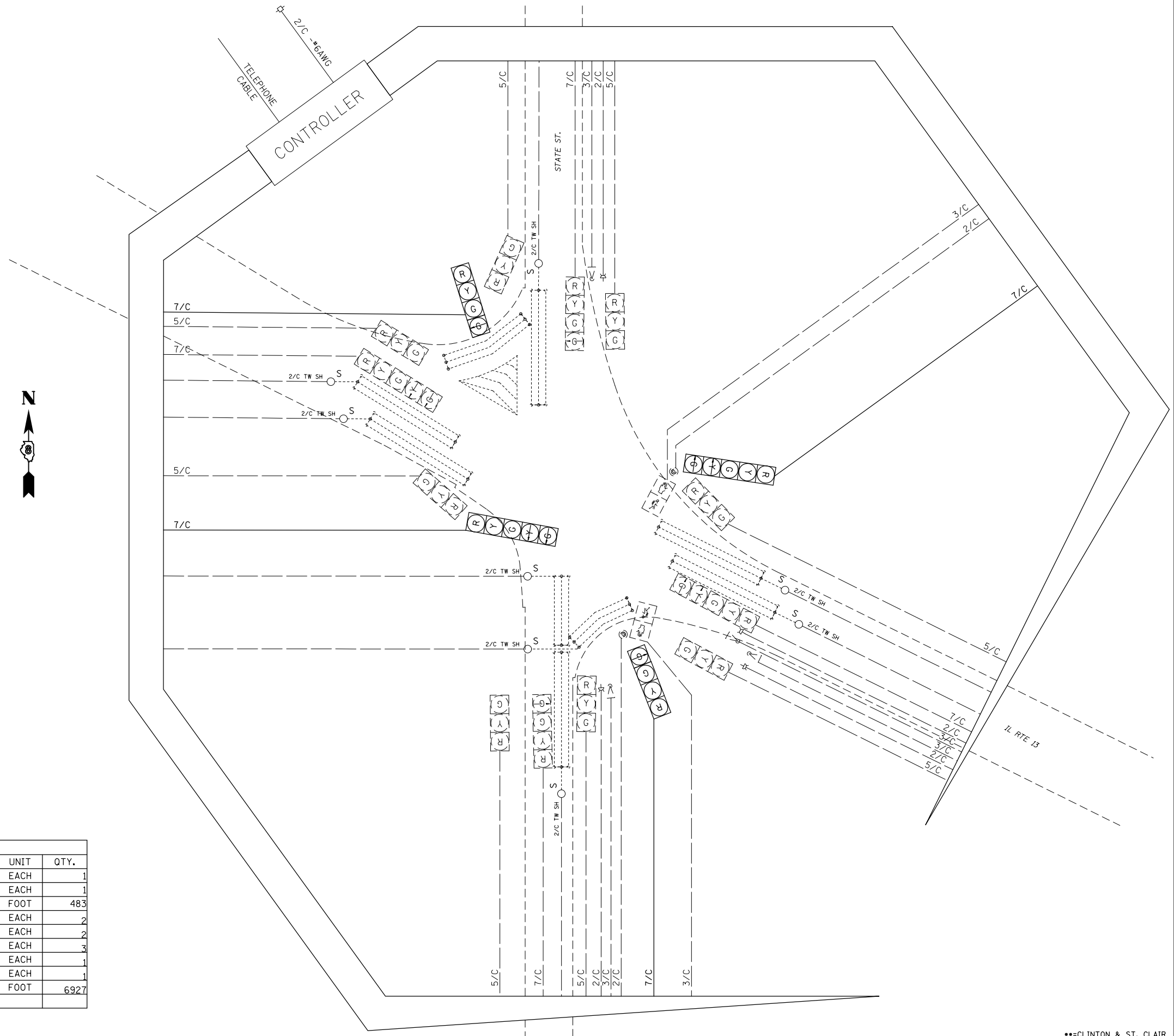
SCALE: SHEET NO. OF SHEETS STA. TO STA.

CLINTON & ST. CLAIR

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	25
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



#### SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301755	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	483
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	3
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	6927

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2017	DATE -	REVISED -

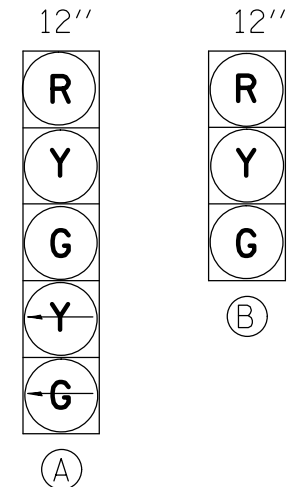
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 13 & STATE ST (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM

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

***CLINTON & ST. CLAIR		RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••			116	26
•=VARIOUS		CONTRACT NO. 76J23				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



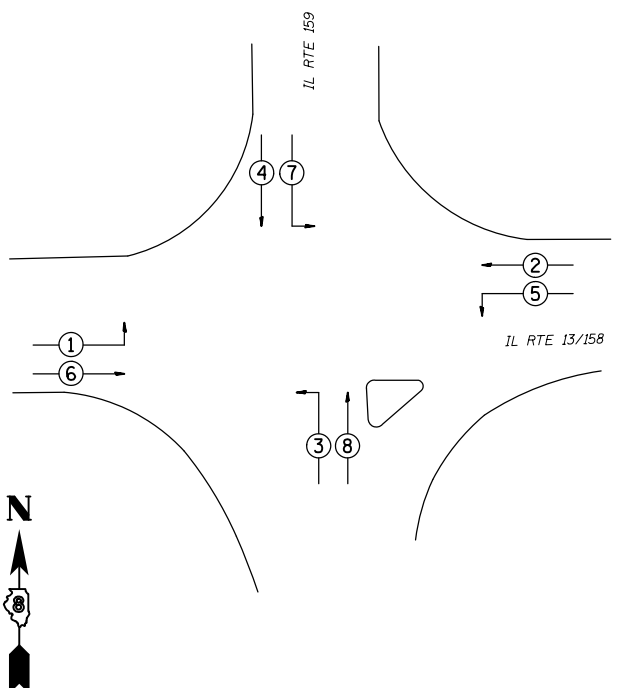
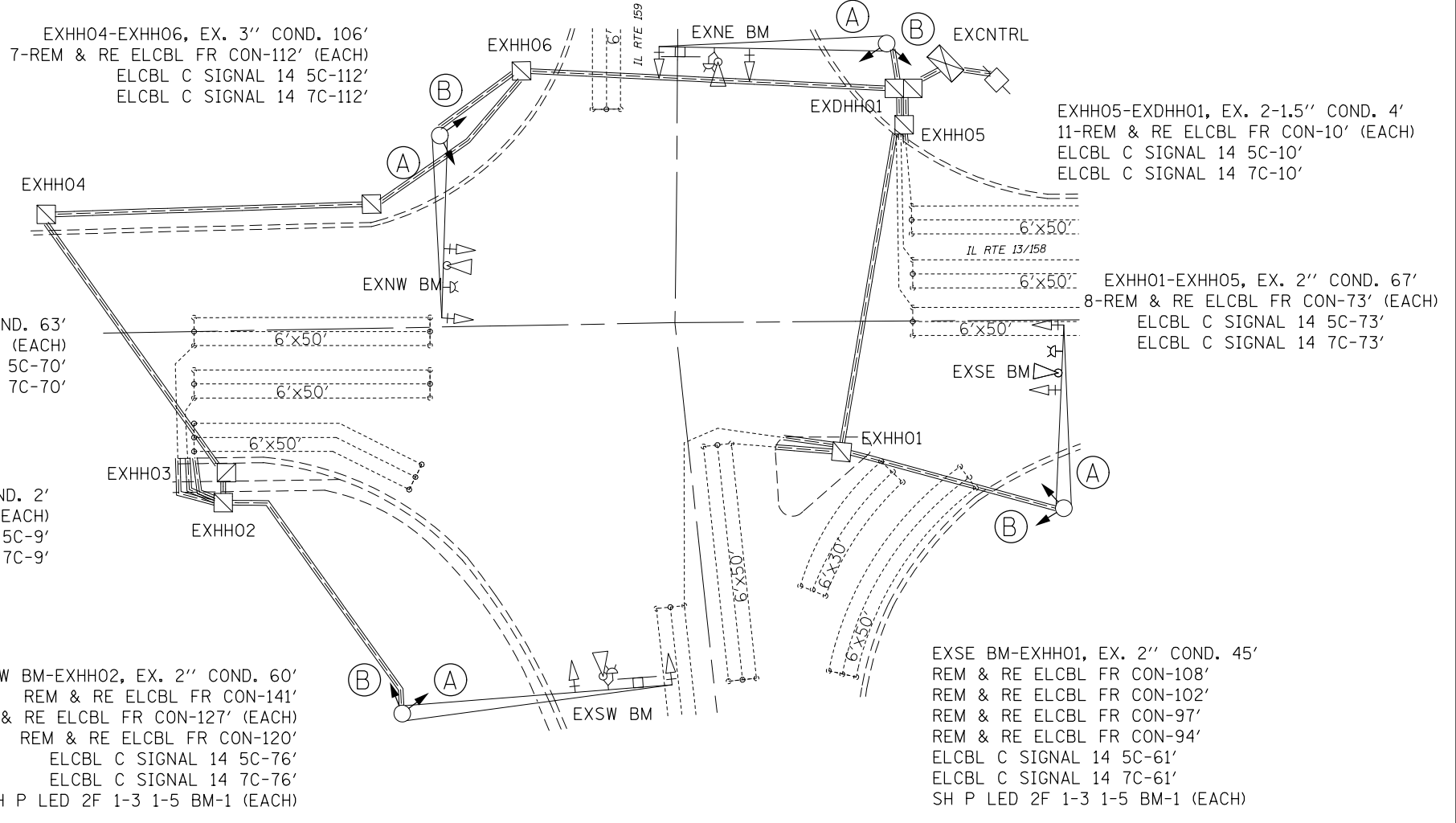
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

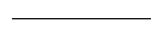
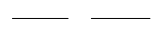
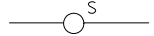

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↗	↖	↖	↘	↙	↔	↘	↗
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

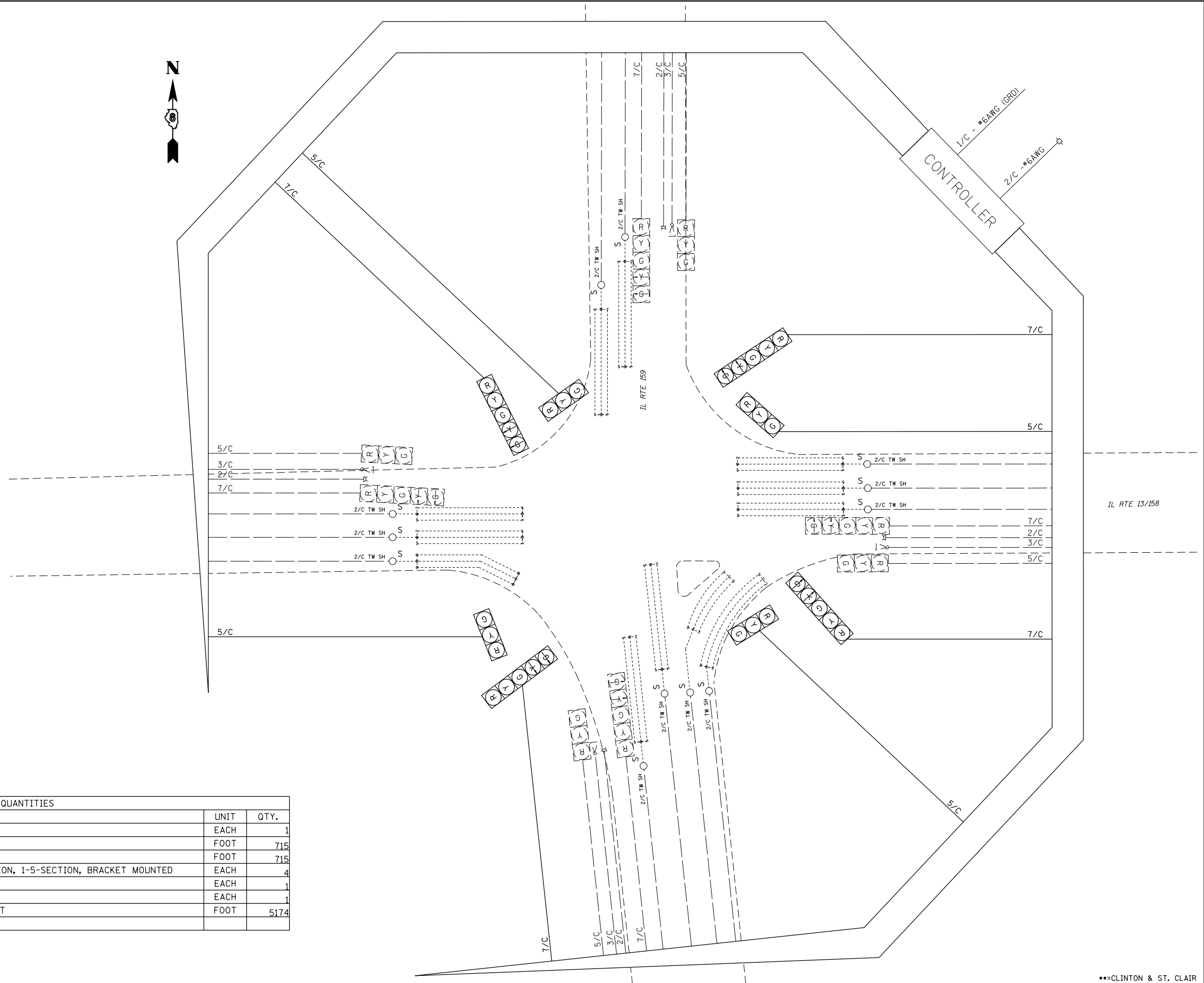
PROPOSED TRAFFIC SIGNAL FACES

- EXNW BM-EXHH06, EX. 2" COND. 19'  
REM & RE ELCBL FR CON-81'  
REM & RE ELCBL FR CON-75'  
REM & RE ELCBL FR CON-70'  
REM & RE ELCBL FR CON-67'  
ELCBL C SIGNAL 14 5C-35'  
ELCBL C SIGNAL 14 7C-35'  
SH P LED 2F 1-3 1-5 BM-1 (EACH)
- EXHH06-EXDHH01, EX. 3" COND. 76'  
13-REM & RE ELCBL FR CON-82' (EACH)  
2-ELCBL C SIGNAL 14 5C-82' (EACH)  
2-ELCBL C SIGNAL 14 7C-82' (EACH)
- EXDHH01-EXCNTRL, EX. 4" COND. 4'  
29-REM & RE ELCBL FR CON-20' (EACH)  
4-ELCBL C SIGNAL 14 5C-20' (EACH)  
4-ELCBL C SIGNAL 14 7C-20' (EACH)
- EXNE BM-EXDHH01, EX. 2" COND. 6'  
REM & RE ELCBL FR CON-78'  
2-REM & RE ELCBL FR CON-66' (EACH)  
REM & RE ELCBL FR CON-59'  
ELCBL C SIGNAL 14 5C-22'  
ELCBL C SIGNAL 14 7C-22'  
SH P LED 2F 1-3 1-5 BM-1 (EACH)



**CABLE DIAGRAM LEGEND**

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING 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
-  EXISTING SERVICE INSTALLATION



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	715
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	715
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	5174

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

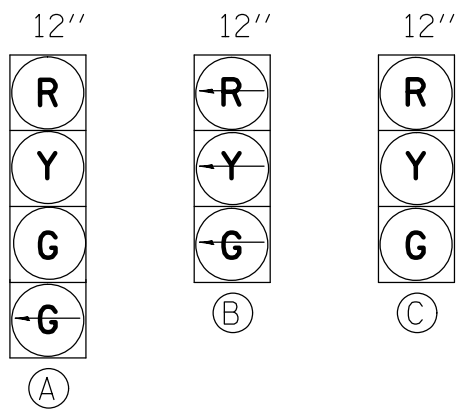
**IL 13158 & IL 159 (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	28
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*\*CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

EXHH02-EXHH06, EX. 4" COND. 46'  
 44-REM & RE ELCBL FR CON-52' (EACH)  
 6-ELCBL C SIGNAL 14 5C-52' (EACH)  
 2-ELCBL C SIGNAL 14 7C-52' (EACH)

EXNW BM-EXHH02, EX. 2.5" COND. 7'  
 REM & RE ELCBL FR CON-84'  
 REM & RE ELCBL FR CON-71'  
 REM & RE ELCBL FR CON-56'  
 2-REM & RE ELCBL FR CON-16' (EACH)  
 2-REM & RE ELCBL FR CON-23' (EACH)  
 ELCBL C SIGNAL 14 5C-23'  
 ELCBL C SIGNAL 14 7C-23'  
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

EXHH05-EXHH02, EX. 3" COND. 54'  
 22-REM & RE ELCBL FR CON-60' (EACH)  
 3-ELCBL C SIGNAL 14 5C-60' (EACH)  
 ELCBL C SIGNAL 14 7C-60'

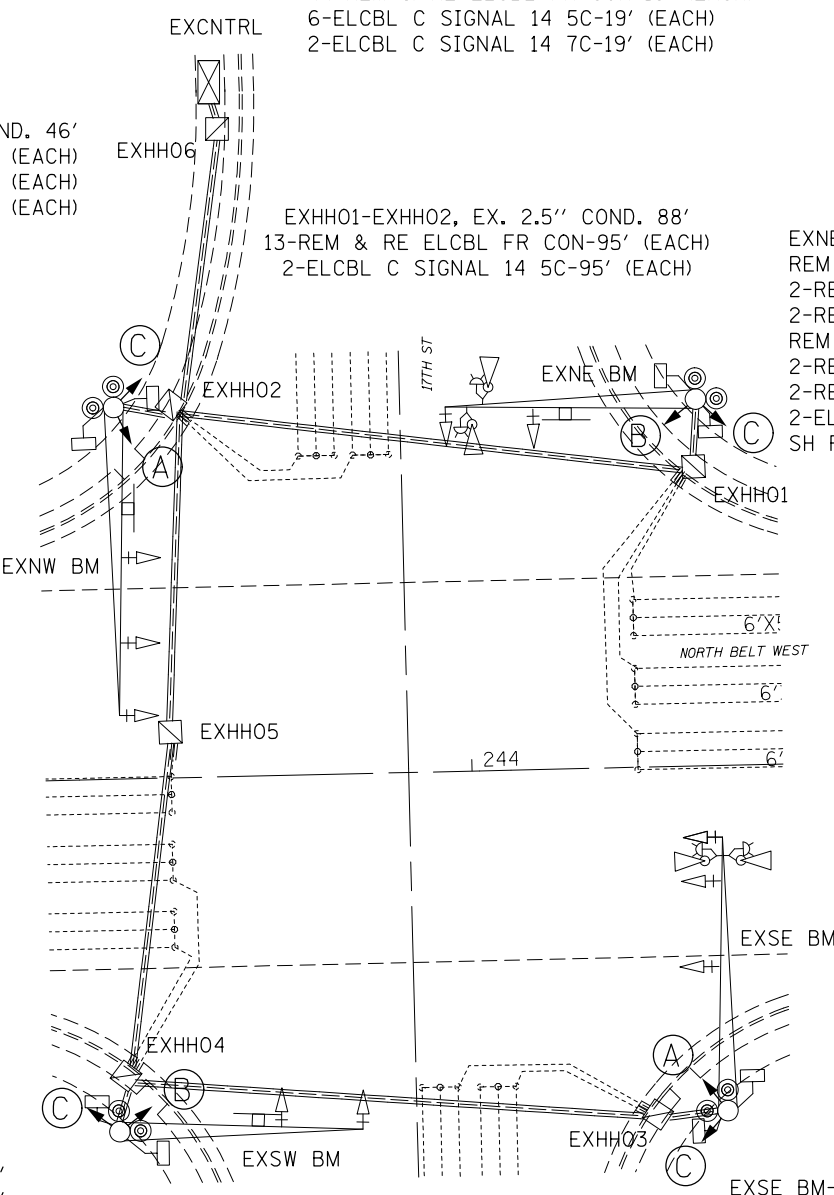
EXHH04-EXHH05, EX. 3" COND. 57'  
 21-REM & RE ELCBL FR CON-63' (EACH)  
 3-ELCBL C SIGNAL 14 5C-63' (EACH)  
 ELCBL C SIGNAL 14 7C-63'

EXSW BM-EXHH04, EX. 2.5" COND. 5'  
 REM & RE ELCBL FR CON-71'  
 REM & RE ELCBL FR CON-56'  
 2-REM & RE ELCBL FR CON-14' (EACH)  
 2-REM & RE ELCBL FR CON-21' (EACH)  
 2-ELCBL C SIGNAL 14 5C-21' (EACH)  
 SH P LED 2F 2-3 BM-1 (EACH)

EXHH06-EXCNTRL, EX. 4" COND. 3'  
 44-REM & RE ELCBL FR CON-19' (EACH)  
 6-ELCBL C SIGNAL 14 5C-19' (EACH)  
 2-ELCBL C SIGNAL 14 7C-19' (EACH)

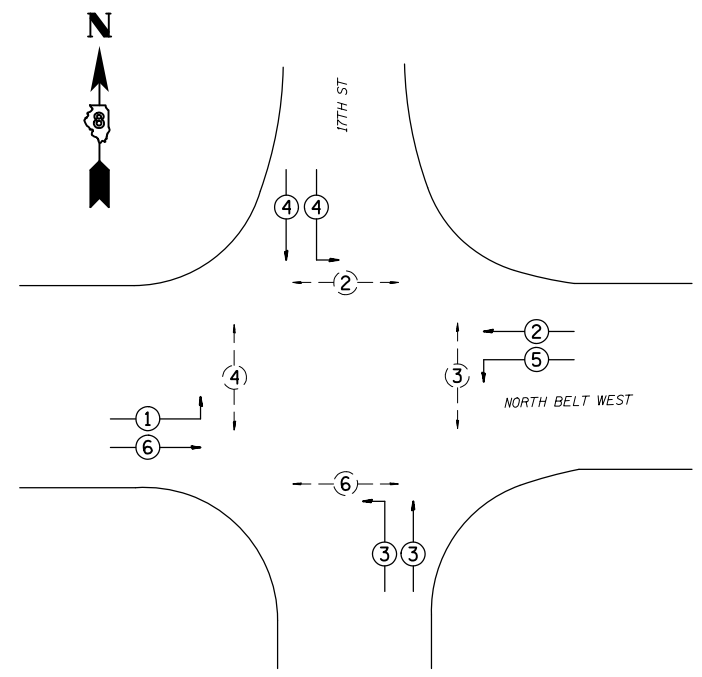
EXHH01-EXHH02, EX. 2.5" COND. 88'  
 13-REM & RE ELCBL FR CON-95' (EACH)  
 2-ELCBL C SIGNAL 14 5C-95' (EACH)

EXNE BM-EXHH01, EX. 2.5" COND. 8'  
 REM & RE ELCBL FR CON-74'  
 2-REM & RE ELCBL FR CON-71' (EACH)  
 2-REM & RE ELCBL FR CON-68' (EACH)  
 REM & RE ELCBL FR CON-59'  
 2-REM & RE ELCBL FR CON-17' (EACH)  
 2-REM & RE ELCBL FR CON-24' (EACH)  
 2-ELCBL C SIGNAL 14 5C-24' (EACH)  
 SH P LED 2F 2-3 BM-1 (EACH)



EXHH03-EXHH04, EX. 2.5" COND. 88'  
 13-REM & RE ELCBL FR CON-95' (EACH)  
 ELCBL C SIGNAL 14 5C-95'  
 ELCBL C SIGNAL 14 7C-95'

EXSE BM-EXHH03, EX. 2.5" COND. 8'  
 REM & RE ELCBL FR CON-79'  
 4-REM & RE ELCBL FR CON-76' (EACH)  
 REM & RE ELCBL FR CON-71'  
 REM & RE ELCBL FR CON-57'  
 2-REM & RE ELCBL FR CON-17' (EACH)  
 2-REM & RE ELCBL FR CON-24' (EACH)  
 ELCBL C SIGNAL 14 5C-24'  
 ELCBL C SIGNAL 14 7C-24'  
 SH P LED 2F 1-3 1-4 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

17TH & N BELT WEST (BELLEVILLE, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

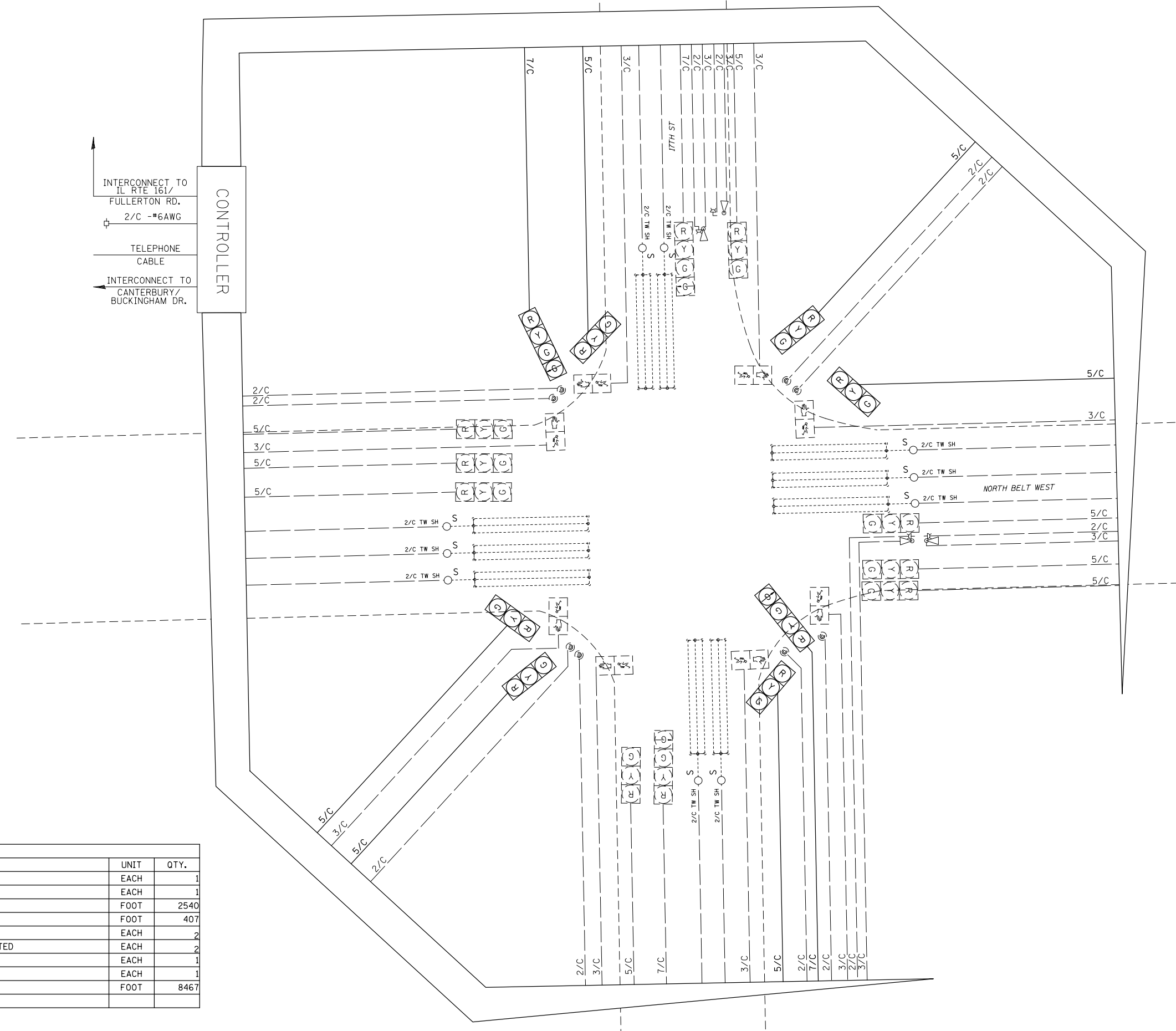
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	29
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2540
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	407
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-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	8467

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**17TH & N BELT WEST (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• Dist 8 TS 2017-2		••	••	116	30
•=VARIOUS				CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

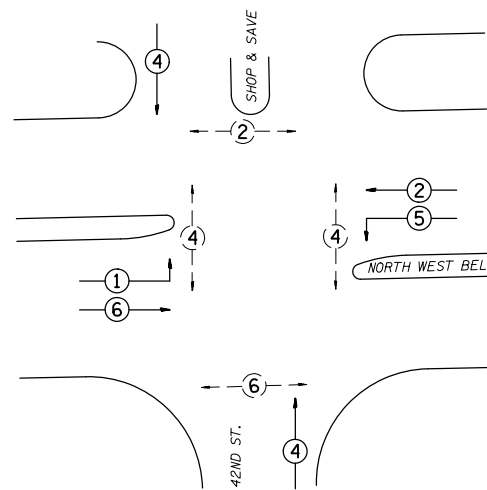
12"



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
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		NONE	1 OR 2	1 OR 2		



PHASE DESIGNATION DIAGRAM

EXDHH01-EXCNTRL, EX. 2-3" COND. 3'  
44-REM & RE ELCBL FR CON-19' (EACH)  
2-ELCBL C SIGNAL 14 7C-19' (EACH)

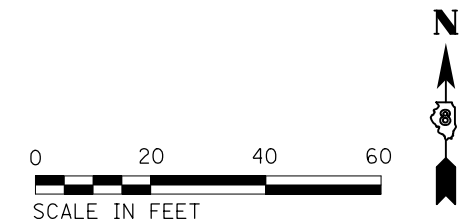
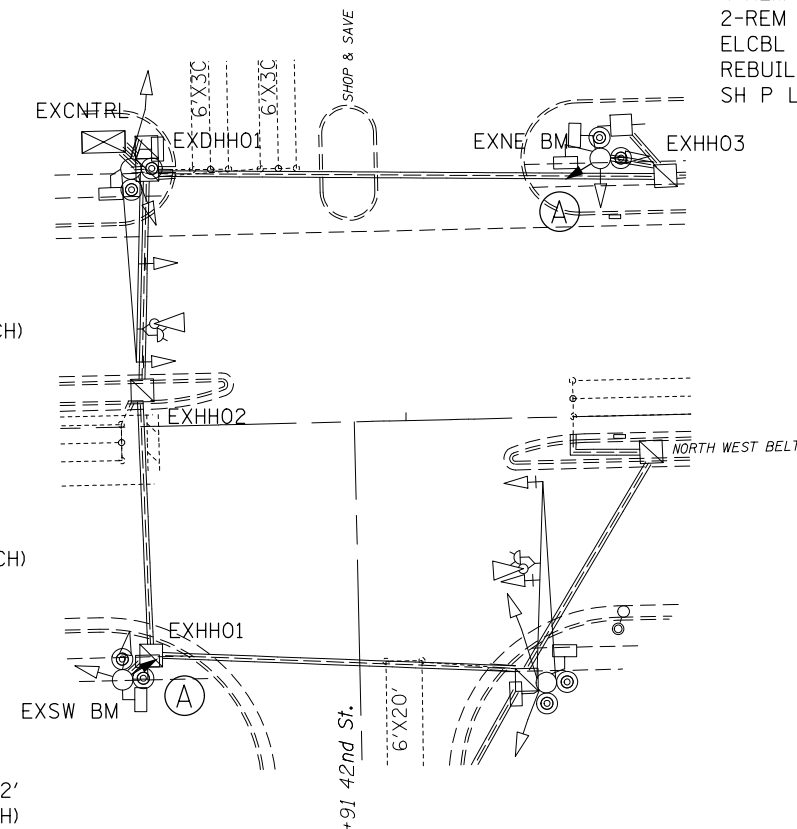
EXHH02-EXDHH01, EX. 3" COND. 34'  
22-REM & RE ELCBL FR CON-41' (EACH)  
ELCBL C SIGNAL 14 7C-41'

EXHH01-EXHH02, EX. 3" COND. 42'  
21-REM & RE ELCBL FR CON-49' (EACH)  
ELCBL C SIGNAL 14 7C-49'

EXSW BM-EXHH01, EX. 2" COND. 2'  
4-REM & RE ELCBL FR CON-18' (EACH)  
2-REM & RE ELCBL FR CON-11' (EACH)  
2-REM & RE ELCBL FR CON-18' (EACH)  
2-ELCBL C SIGNAL 14 7C-18' (EACH)  
REBUILD EX SIG HEAD-1 (EACH)  
SH P LED 1F 1-5 BM-1 (EACH)

EXHH03-EXDHH01, EX. 2" COND. 86'  
9-REM & RE ELCBL FR CON-93' (EACH)  
ELCBL C SIGNAL 14 7C-93'

EXNE BM-EXHH03, EX. 2" COND. 8'  
4-REM & RE ELCBL FR CON-24' (EACH)  
2-REM & RE ELCBL FR CON-17' (EACH)  
ELCBL C SIGNAL 14 7C-24'  
REBUILD EX SIG HEAD-1 (EACH)  
SH P LED 1F 1-5 BM-1 (EACH)



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

42ND & N BELT WEST (BELLEVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

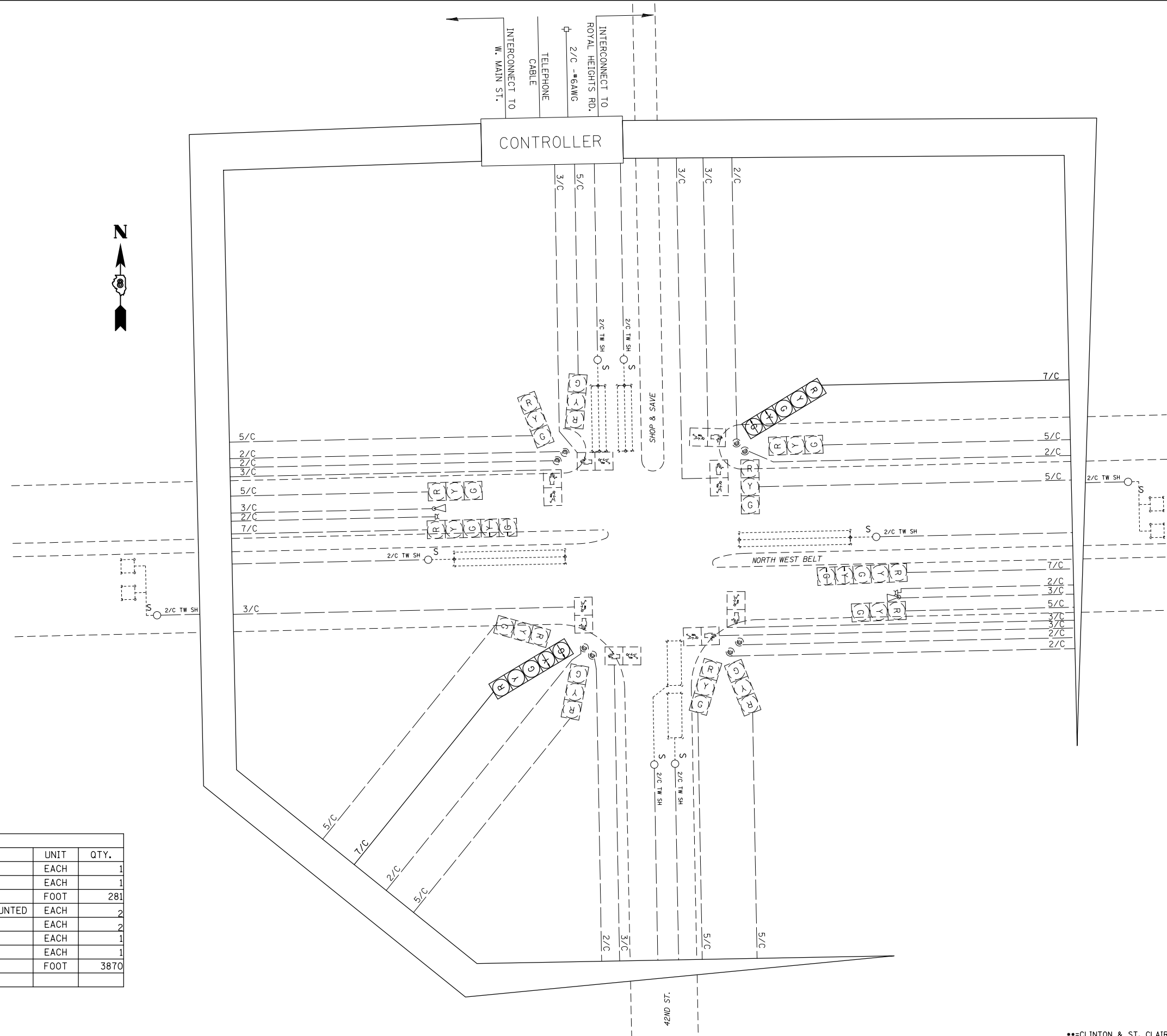
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	31
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	281
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 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	3870

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

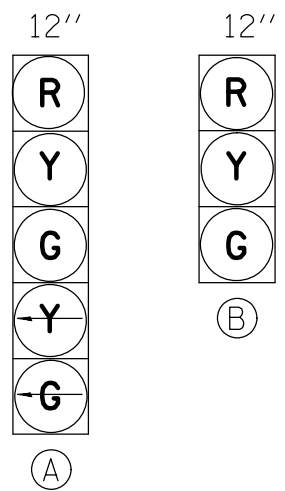
**42ND & N BELT WEST (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

		**=CLINTON & ST. CLAIR	
RT.	SECTION	COUNTY	TOTAL SHEETS SHEET NO.
•	Dist 8 TS 2017-2	••	116 32
•=VARIOUS		CONTRACT NO. 76J23	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



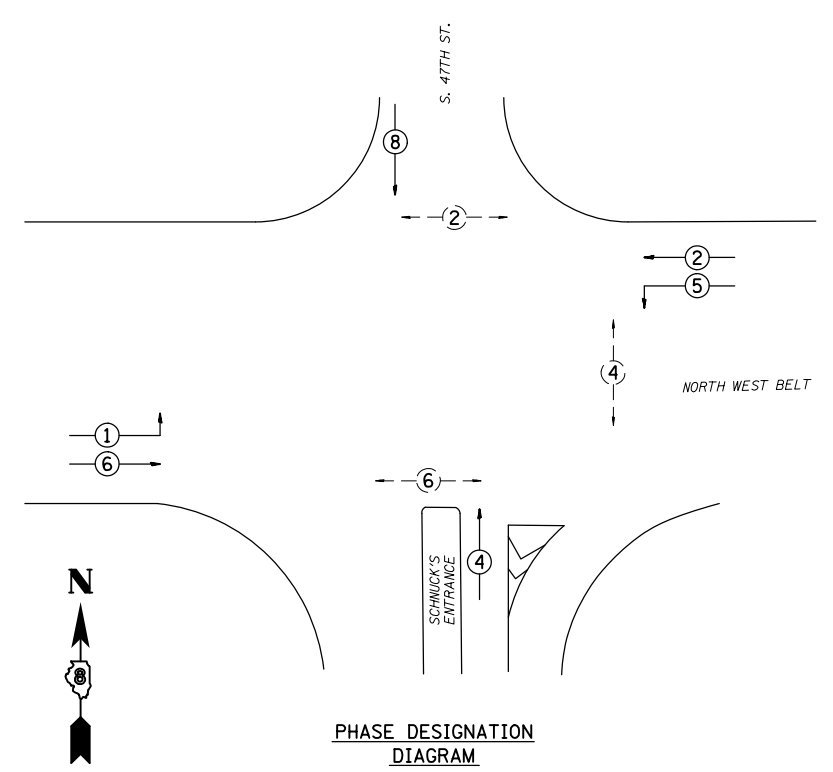
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY



PHASE DESIGNATION DIAGRAM

EXHH01-EXDHH01, EX. 2" COND. 85'  
7-REM & RE ELCBL FR CON-92' (EACH)  
2-ELCBL C SIGNAL 14 5C-92' (EACH)

EXDHH01-EXCNTRL, EX. 2-4" COND. 4'  
43-REM & RE ELCBL FR CON-20' (EACH)  
6-ELCBL C SIGNAL 14 5C-20' (EACH)  
2-ELCBL C SIGNAL 14 7C-20' (EACH)

EXSW BM-EXDHH01, EX. 2" COND. 13'  
REM & RE ELCBL FR CON-80'  
REM & RE ELCBL FR CON-58'  
REM & RE ELCBL FR CON-22'  
REM & RE ELCBL FR CON-29'  
ELCBL C SIGNAL 14 5C-29'  
ELCBL C SIGNAL 14 7C-29'  
SH P LED 2F 1-3 1-5 BM-1 (EACH)

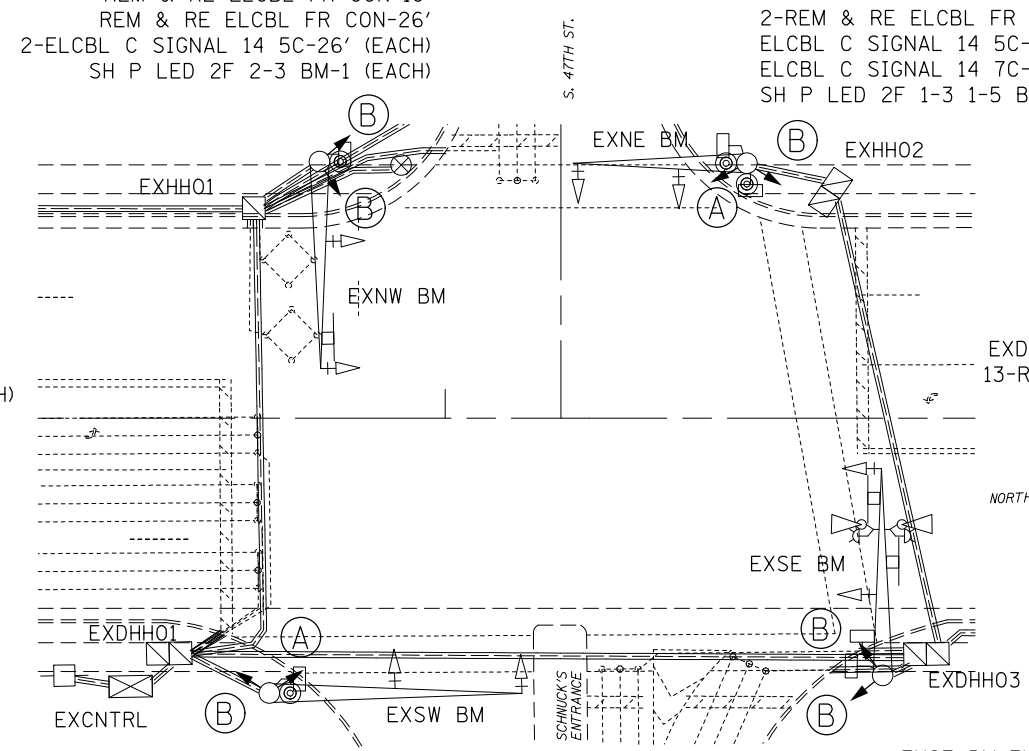
EXNW BM-EXHH01, EX. 2" COND. 10'  
REM & RE ELCBL FR CON-69'  
REM & RE ELCBL FR CON-47'  
REM & RE ELCBL FR CON-19'  
REM & RE ELCBL FR CON-26'  
2-ELCBL C SIGNAL 14 5C-26' (EACH)  
SH P LED 2F 2-3 BM-1 (EACH)

EXNE BM-EXDHH02, EX. 2" COND. 12'  
REM & RE ELCBL FR CON-64'  
REM & RE ELCBL FR CON-47'  
2-REM & RE ELCBL FR CON-21' (EACH)  
2-REM & RE ELCBL FR CON-28' (EACH)  
ELCBL C SIGNAL 14 5C-28'  
ELCBL C SIGNAL 14 7C-28'  
SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXDHH02-EXDHH03, EX. 2.5" COND. 79'  
13-REM & RE ELCBL FR CON-85' (EACH)  
ELCBL C SIGNAL 14 5C-85'  
ELCBL C SIGNAL 14 7C-85'

EXSE BM-EXDHH03, EX. 2" COND. 3'  
REM & RE ELCBL FR CON-62'  
4-REM & RE ELCBL FR CON-52' (EACH)  
REM & RE ELCBL FR CON-40'  
2-REM & RE ELCBL FR CON-12' (EACH)  
2-REM & RE ELCBL FR CON-19' (EACH)  
2-ELCBL C SIGNAL 14 5C-19' (EACH)  
SH P LED 2F 2-3 BM-1 (EACH)

EXDHH03-EXDHH01, EX. 4" COND. 124'  
29-REM & RE ELCBL FR CON-130' (EACH)  
3-ELCBL C SIGNAL 14 5C-130' (EACH)  
ELCBL C SIGNAL 14 7C-130'



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

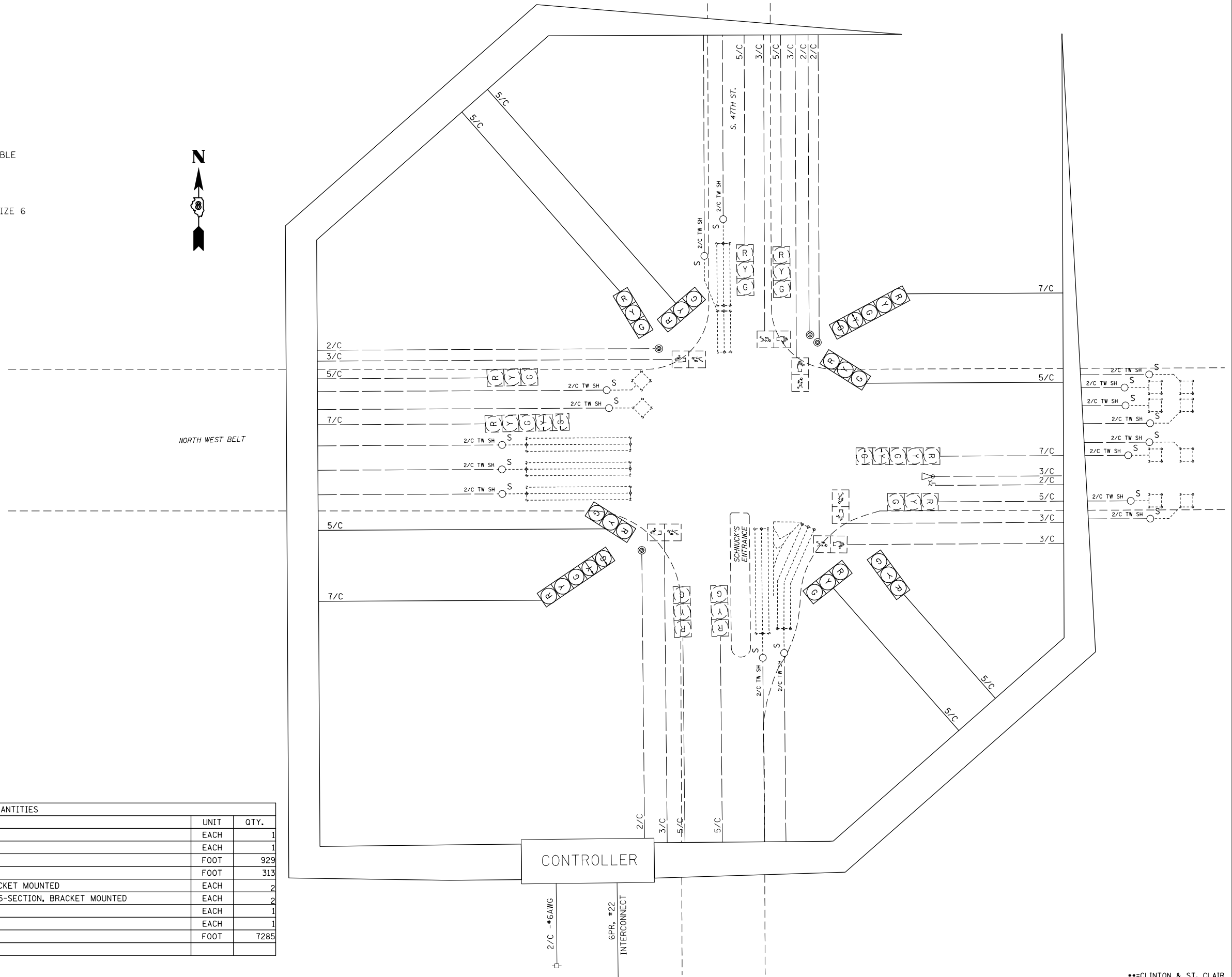
47TH & N BELT WEST/SCHNUCKS (BELLEVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	33
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	929
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	313
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	7285

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

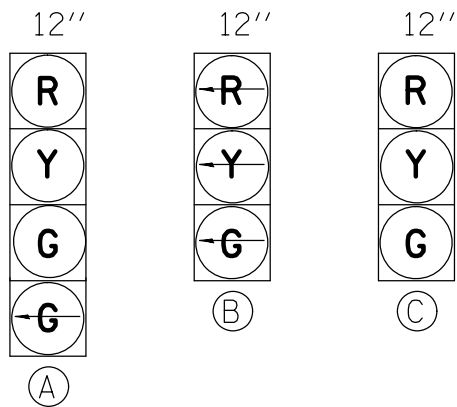
**47TH & N BELT WEST/SCHNUCKS (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	34
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*\*=CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

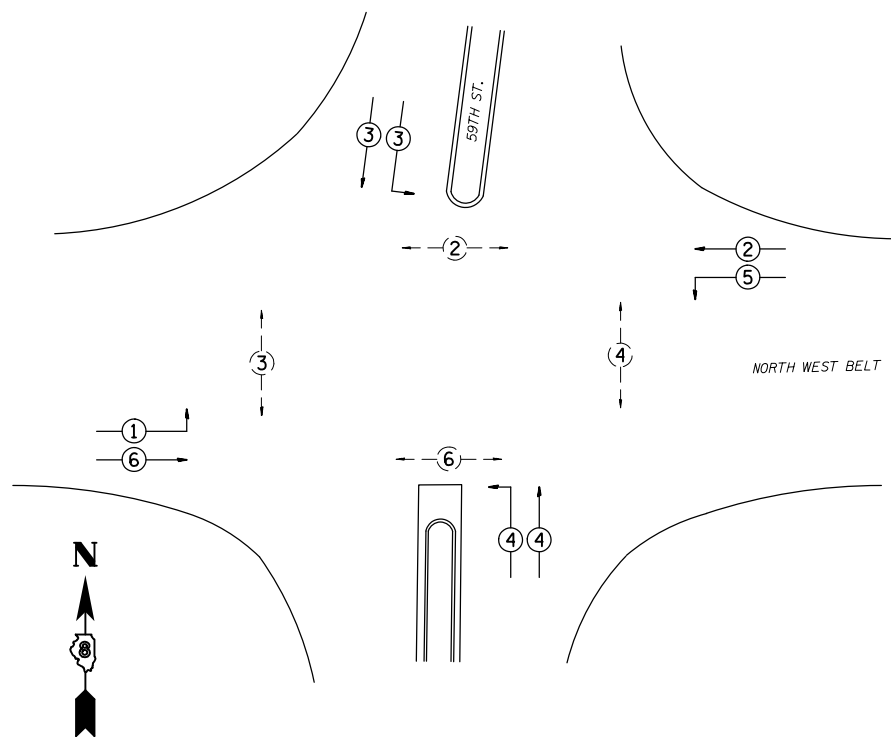
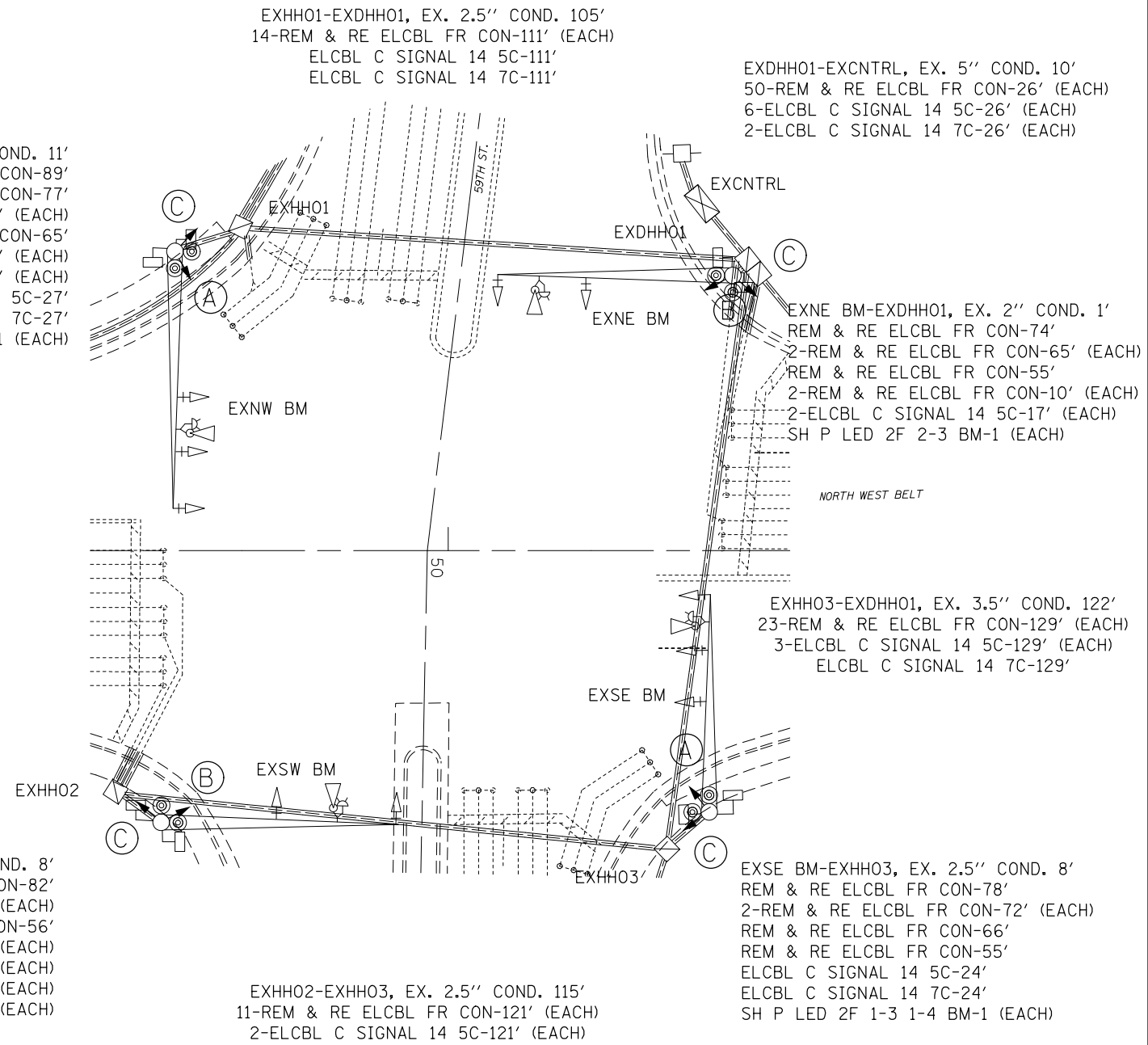
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

EXNW BM-EXHH01, EX. 2.5" COND. 11'  
 REM & RE ELCBL FR CON-89'  
 REM & RE ELCBL FR CON-77'  
 2-REM & RE ELCBL FR CON-72' (EACH)  
 REM & RE ELCBL FR CON-65'  
 2-REM & RE ELCBL FR CON-20' (EACH)  
 2-REM & RE ELCBL FR CON-27' (EACH)  
 ELCBL C SIGNAL 14 5C-27'  
 ELCBL C SIGNAL 14 7C-27'  
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

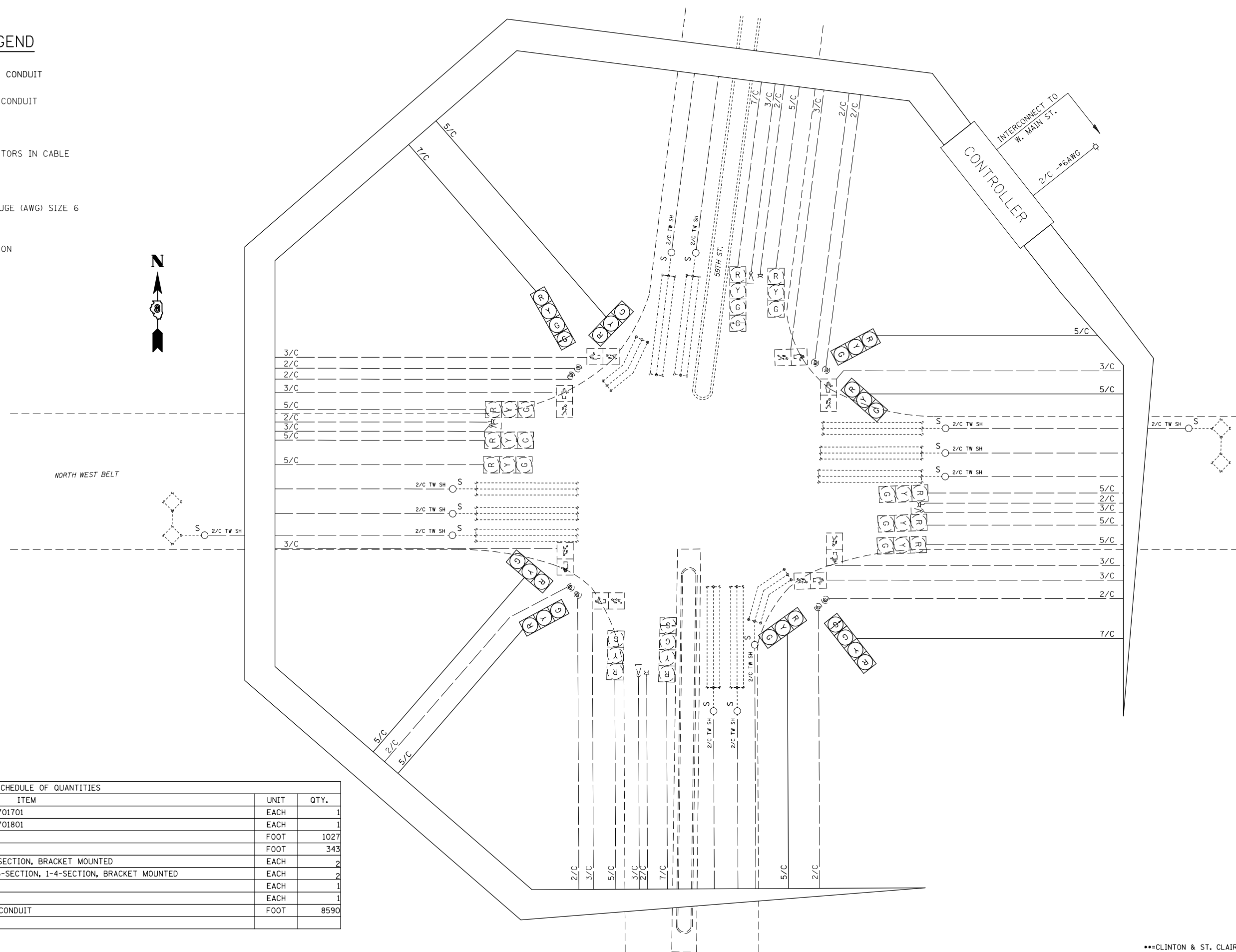


PHASE DESIGNATION DIAGRAM



### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING 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
- EXISTING SERVICE INSTALLATION



NORTH WEST BELT

59TH ST.

CONTROLLER

INTERCONNECT TO W. MAIN ST.

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	1027
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	343
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
89502100	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	8590

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

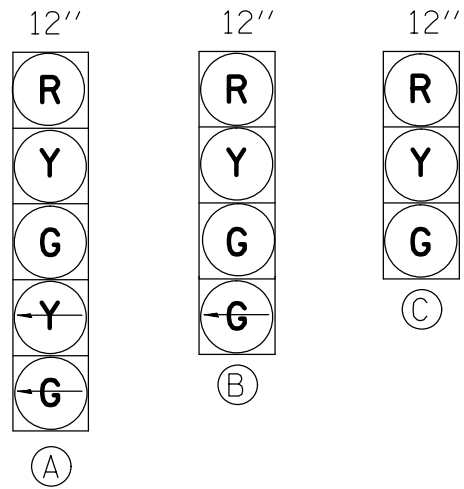
FRANK SCOTT PKWY & N BELT W (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	36
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*\*=CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

EXNW BM-EXHHO3, EX. 2" COND. 3'  
 REM & RE ELCBL FR CON-77'  
 2-REM & RE ELCBL FR CON-72' (EACH)  
 REM & RE ELCBL FR CON-55'  
 2-REM & RE ELCBL FR CON-12' (EACH)  
 2-REM & RE ELCBL FR CON-19' (EACH)  
 ELCBL C SIGNAL 14 5C-19'  
 ELCBL C SIGNAL 14 7C-19'  
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHHO2-EXHHO3, EX. 2" COND. 74'  
 9-REM & RE ELCBL FR CON-81' (EACH)  
 ELCBL C SIGNAL 14 5C-81'

EXNE BM-EXHHO2, EX. 2" COND. 1'  
 REM & RE ELCBL FR CON-59'  
 2-REM & RE ELCBL FR CON-52' (EACH)  
 REM & RE ELCBL FR CON-41'  
 REM & RE ELCBL FR CON-10'  
 2-REM & RE ELCBL FR CON-17' (EACH)  
 ELCBL C SIGNAL 14 5C-17'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-3 BM-1 (EACH)

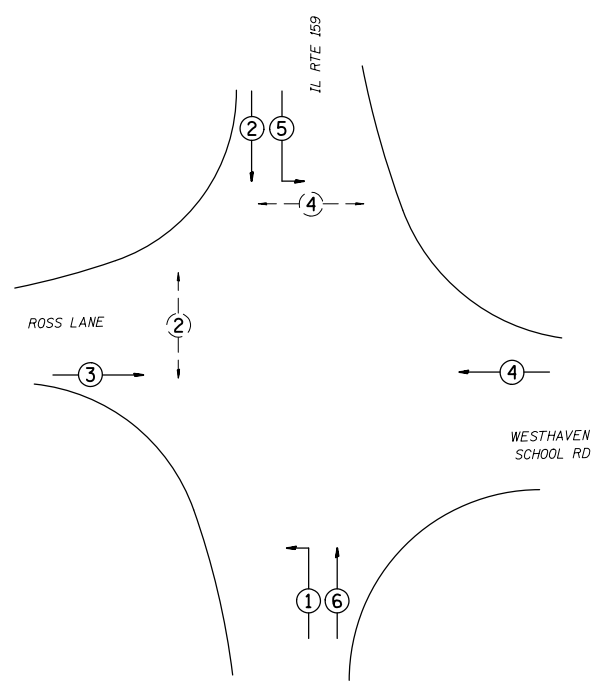
EXHHO3-EXDHHO1, EX. 3" COND. 83'  
 22-REM & RE ELCBL FR CON-90' (EACH)  
 2-ELCBL C SIGNAL 14 5C-90' (EACH)  
 ELCBL C SIGNAL 14 7C-90'

EXSW BM-EXDHHO1, EX. 2" COND. 1'  
 REM & RE ELCBL FR CON-68'  
 2-REM & RE ELCBL FR CON-60' (EACH)  
 REM & RE ELCBL FR CON-48'  
 REM & RE ELCBL FR CON-10'  
 REM & RE ELCBL FR CON-17'  
 ELCBL C SIGNAL 14 5C-17'  
 ELCBL C SIGNAL 14 7C-17'  
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

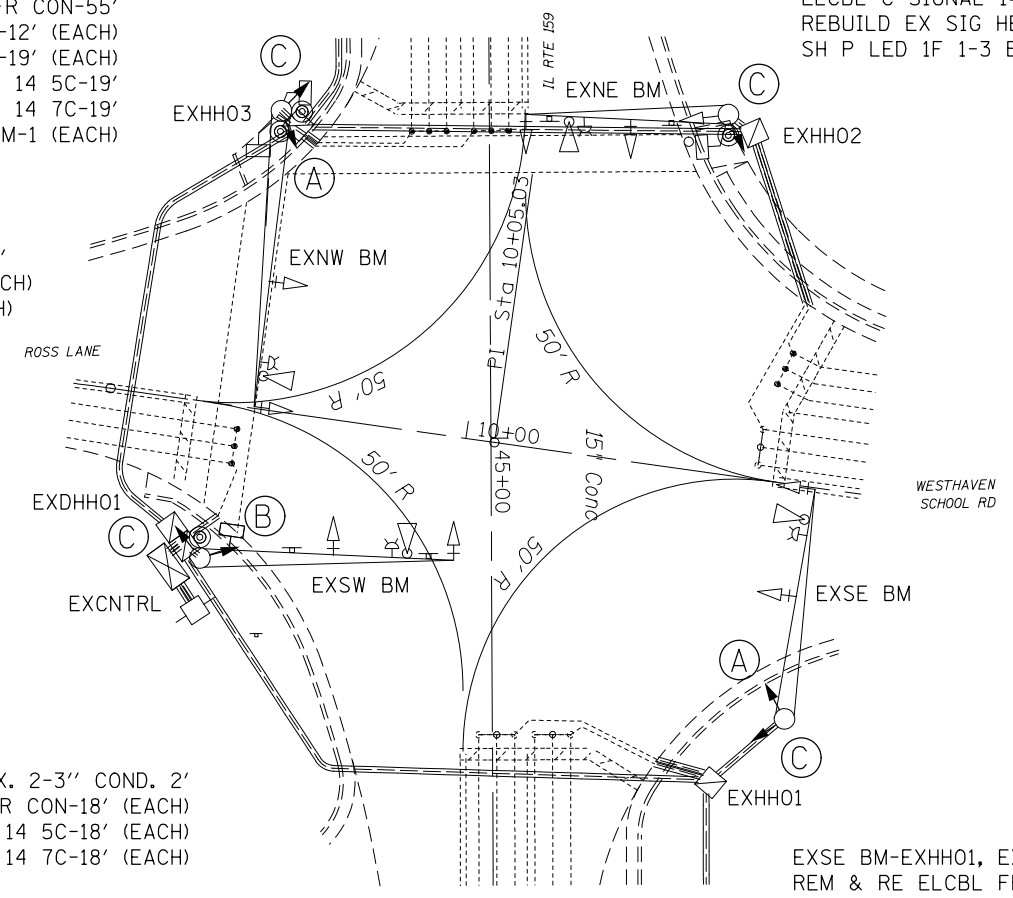
EXDHHO1-EXCNTRL, EX. 2-3" COND. 2'  
 34-REM & RE ELCBL FR CON-18' (EACH)  
 4-ELCBL C SIGNAL 14 5C-18' (EACH)  
 3-ELCBL C SIGNAL 14 7C-18' (EACH)

EXHHO1-EXDHHO1, EX. 2" COND. 108'  
 7-REM & RE ELCBL FR CON-115' (EACH)  
 ELCBL C SIGNAL 14 5C-115'  
 ELCBL C SIGNAL 14 7C-115'

EXSE BM-EXHHO1, EX. 2" COND. 13'  
 REM & RE ELCBL FR CON-76'  
 2-REM & RE ELCBL FR CON-71' (EACH)  
 REM & RE ELCBL FR CON-58'  
 ELCBL C SIGNAL 14 5C-29'  
 ELCBL C SIGNAL 14 7C-29'  
 SH P LED 2F 1-3 1-5 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 159 & ROSS (BELLEVILLE, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

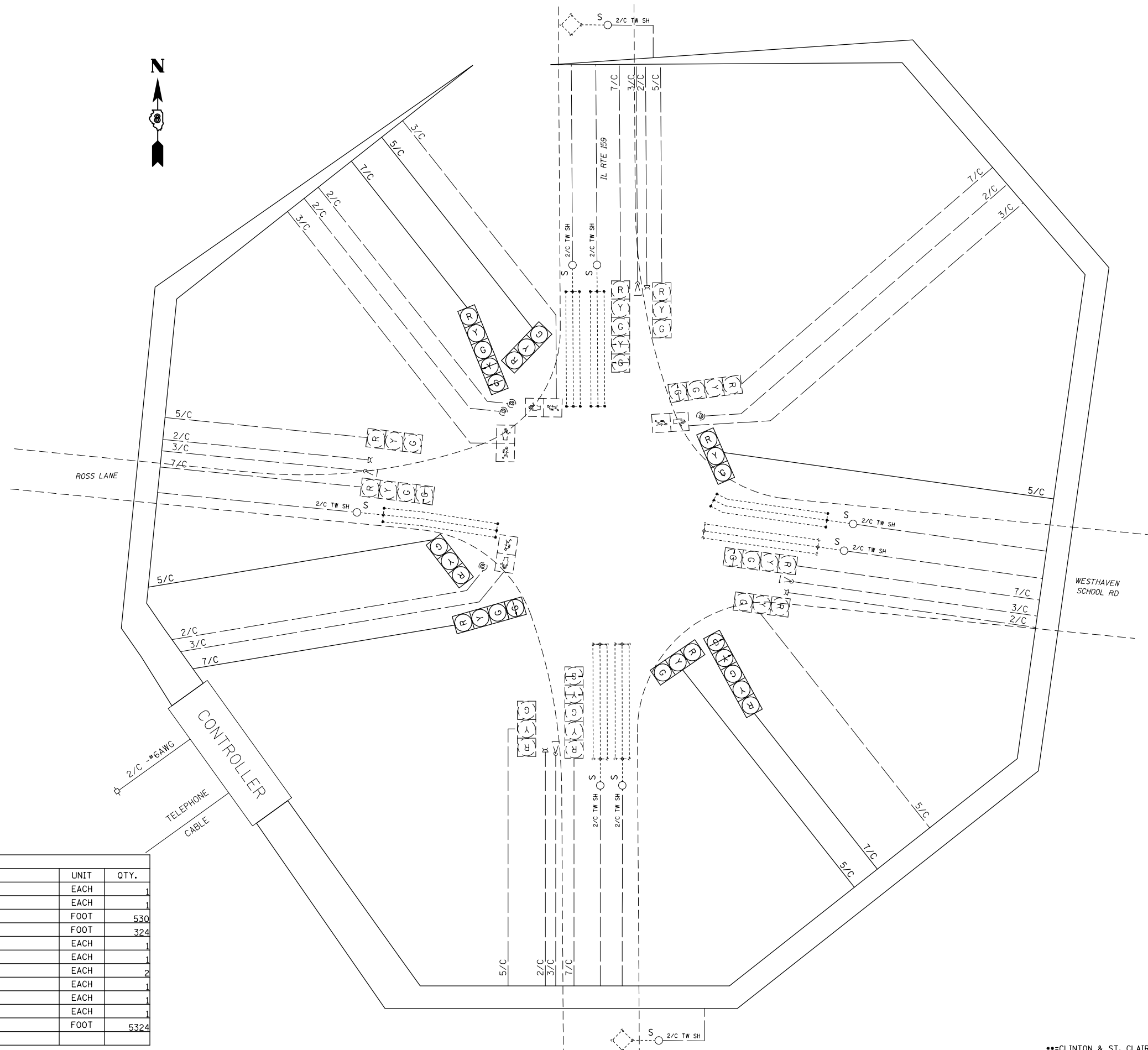
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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\*\*\*CLINTON & ST. CLAIR

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	37
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	530
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	324
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	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-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	5324

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 159 & ROSS (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	38
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*\*\*=CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



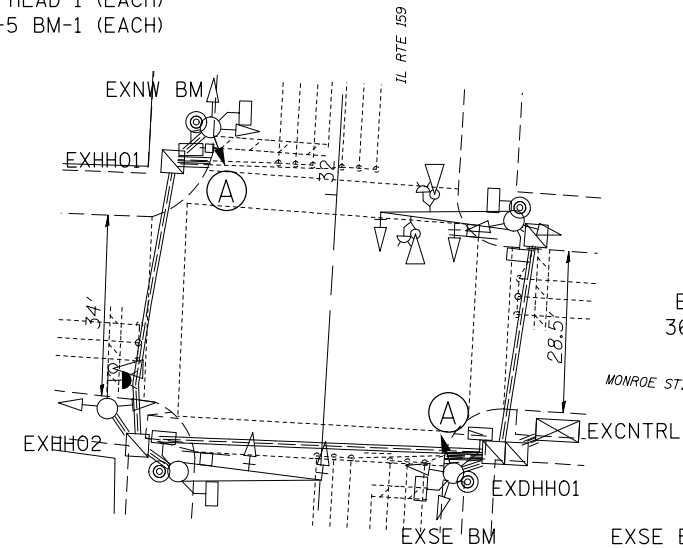
PROPOSED TRAFFIC SIGNAL FACES

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

EXNW BM-EXHH01, EX. 2" COND. 4'  
 5-REM & RE ELCBL FR CON-20' (EACH)  
 ELCBL C SIGNAL 14 7C-20'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

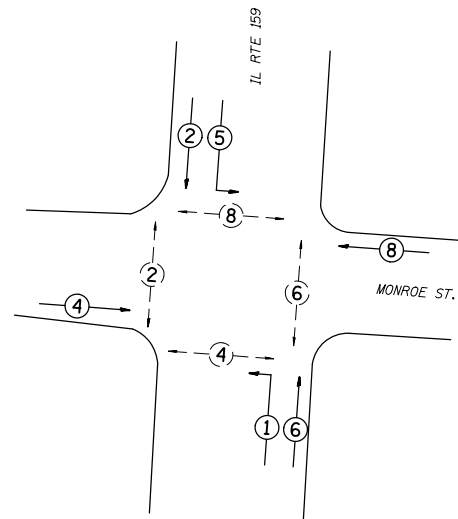
EXHH01-EXHH02, EX. 2" COND. 46'  
 7-REM & RE ELCBL FR CON-52' (EACH)  
 ELCBL C SIGNAL 14 7C-52'



EXDHH01-EXCTRL, EX. 2-4" COND. 3'  
 36-REM & RE ELCBL FR CON-19' (EACH)  
 2-ELCBL C SIGNAL 14 7C-19' (EACH)

EXSE BM-EXDHH01, EX. 2" COND. 3'  
 5-REM & RE ELCBL FR CON-19' (EACH)  
 ELCBL C SIGNAL 14 7C-19'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH02-EXDHH01, EX. 2" COND. 56'  
 17-REM & RE ELCBL FR CON-63' (EACH)  
 ELCBL C SIGNAL 14 7C-63'



PHASE DESIGNATION DIAGRAM



CLINTON & ST. CLAIR

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

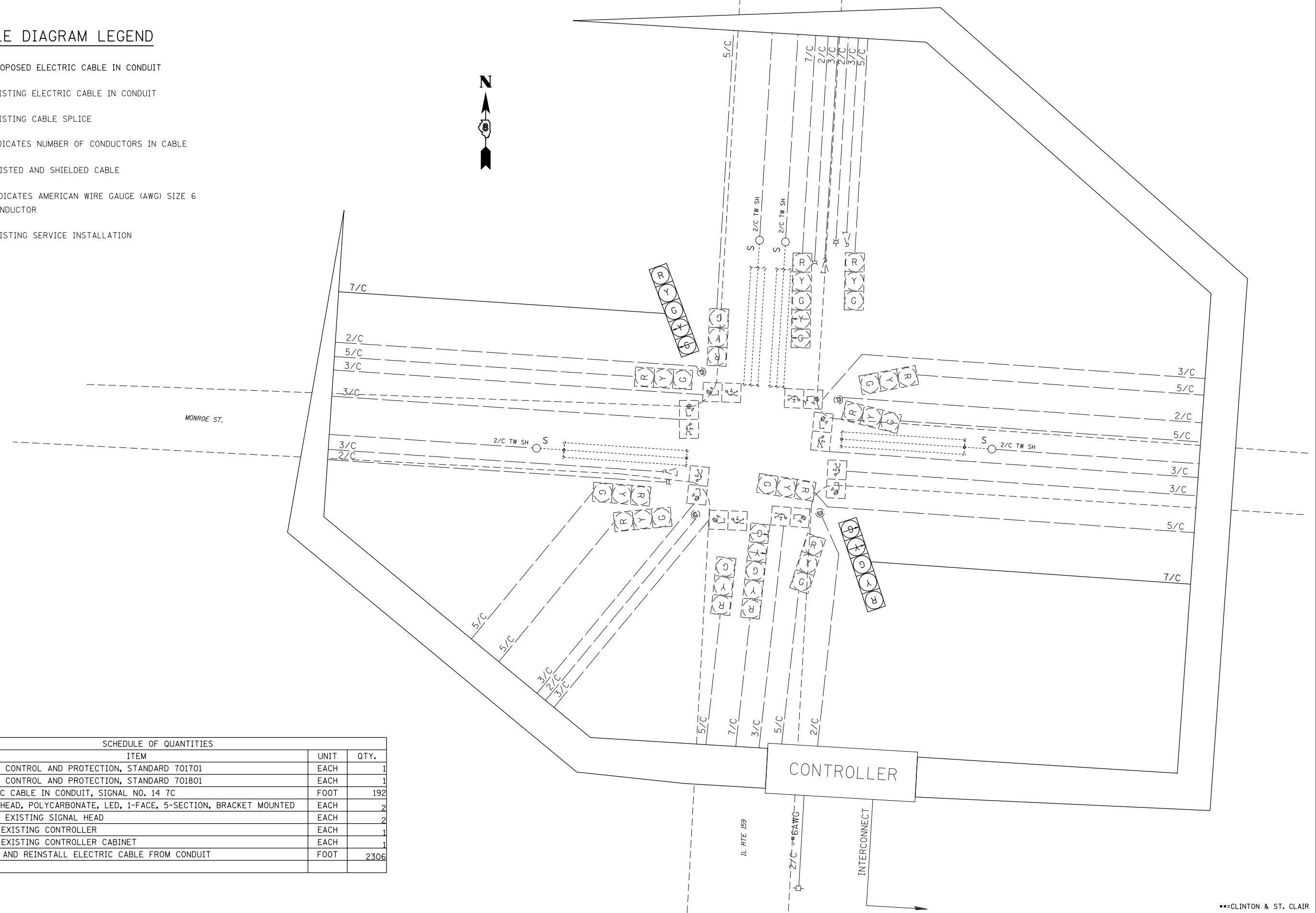
IL 159 & MONROE (BELLEVILLE, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	39
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	192
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 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
89502330	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2306

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 159 & MONROE (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

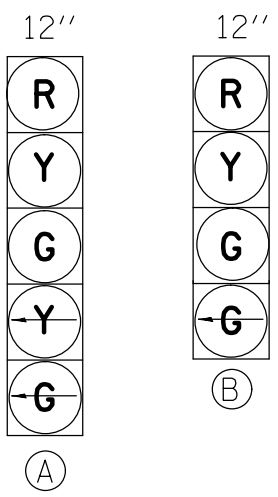
SCALE:      SHEET NO.      OF SHEETS      STA.      TO STA.

RTD.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	40
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.      ILLINOIS      FED. AID PROJECT				

••=CLINTON & ST. CLAIR



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

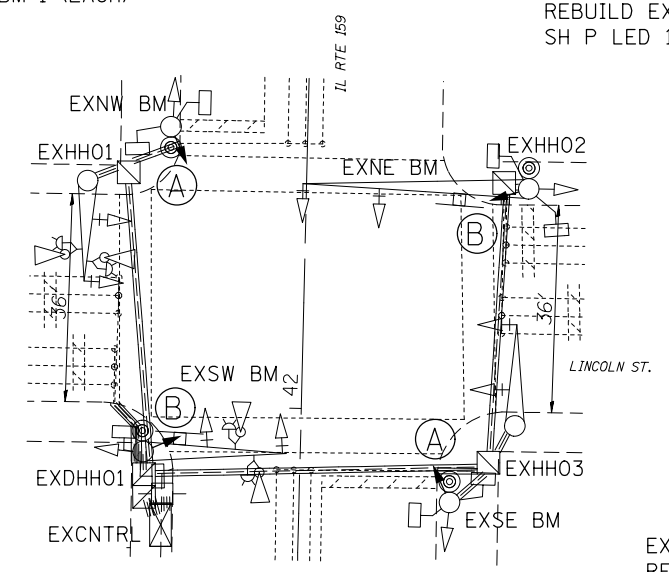
EXISTING FULL-ACTUATED CONTROLLER

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

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

EXNE BM-EXHH02, EX. 3" COND. 1'  
 REM & RE ELCBL FR CON-63'  
 REM & RE ELCBL FR CON-49'  
 REM & RE ELCBL FR CON-10'  
 3-REM & RE ELCBL FR CON-17' (EACH)  
 ELCBL C SIGNAL 14 7C-17'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-4 BM-1 (EACH)



EXHH01-EXDHH01, EX. 2.5" COND. 49'  
 11-REM & RE ELCBL FR CON-55' (EACH)  
 ELCBL C SIGNAL 14 7C-55'

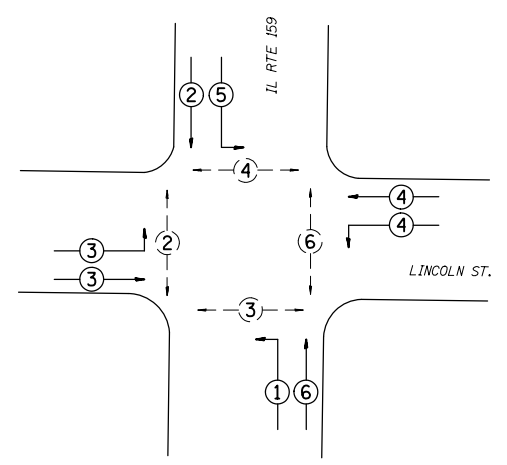
EXHH02-EXHH03, EX. 3" COND. 45'  
 8-REM & RE ELCBL FR CON-51' (EACH)  
 ELCBL C SIGNAL 14 7C-51'

EXSW BM-EXDHH01, EX. 3" COND. 3'  
 REM & RE ELCBL FR CON-50'  
 2-REM & RE ELCBL FR CON-45' (EACH)  
 2-REM & RE ELCBL FR CON-42' (EACH)  
 REM & RE ELCBL FR CON-37'  
 REM & RE ELCBL FR CON-12'  
 3-REM & RE ELCBL FR CON-19' (EACH)  
 ELCBL C SIGNAL 14 7C-19'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-4 BM-1 (EACH)

EXSE BM-EXHH03, EX. 2" COND. 6'  
 REM & RE ELCBL FR CON-22'  
 3-REM & RE ELCBL FR CON-22' (EACH)  
 ELCBL C SIGNAL 14 7C-22'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH03-EXDHH01, EX. 3" COND. 56'  
 15-REM & RE ELCBL FR CON-62' (EACH)  
 2-ELCBL C SIGNAL 14 7C-62' (EACH)

EXDHH01-EXCNTRL, EX. 2-4" COND. 3'  
 38-REM & RE ELCBL FR CON-19' (EACH)  
 4-ELCBL C SIGNAL 14 7C-19' (EACH)



PHASE DESIGNATION DIAGRAM



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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 159 & LINCOLN (BELLEVILLE, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

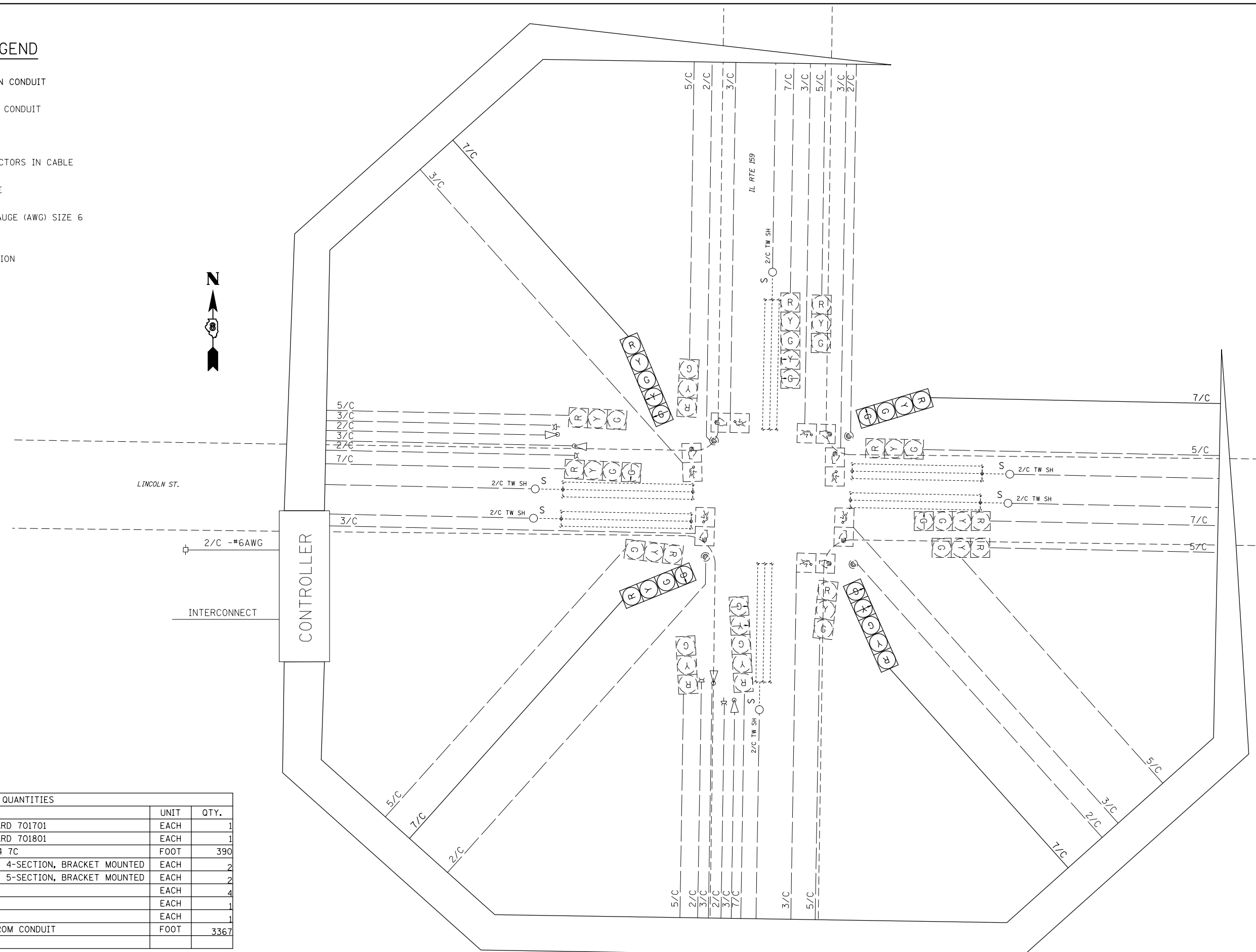
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	41
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	390
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	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502330	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3367

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

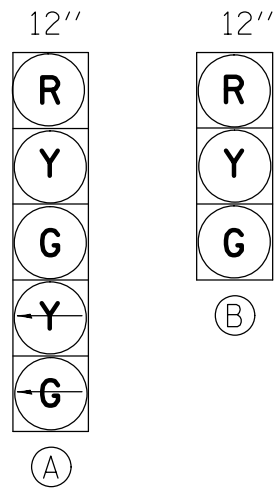
**IL 159 & LINCOLN (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• Dist 8 TS 2017-2			••	116	42
•=VARIOUS		CONTRACT NO. 76J23			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

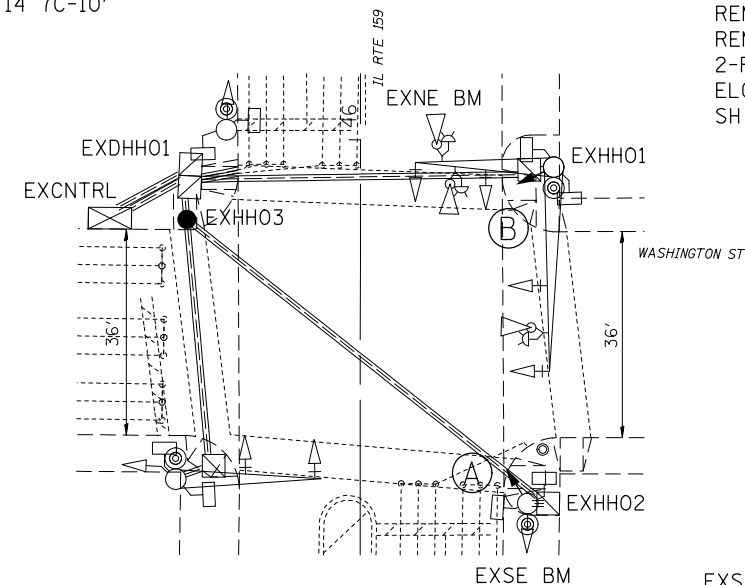
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	↑↓	NOT USED	←→	↙↘	↑↓*	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED		5 OR 6		NONE	1 OR 2	1 OR 2		

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

EXHH03-EXDHH01, EX. 2" COND. 3'  
15-REM & RE ELCBL FR CON-10' (EACH)  
ELCBL C SIGNAL 14 7C-10'

EXHH01-EXDHH01, EX. 3" COND. 55'  
13-REM & RE ELCBL FR CON-61' (EACH)  
ELCBL C SIGNAL 14 5C-61'

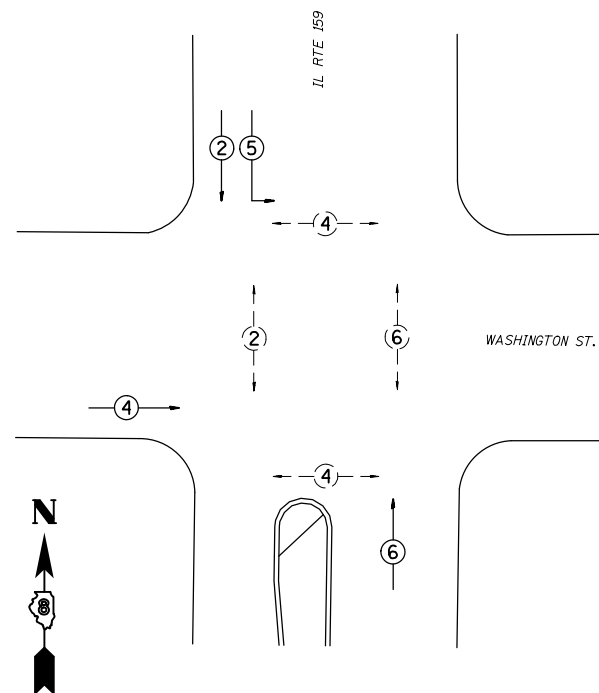
EXDHH01-EXCNTRL, EX. 2-4" COND. 12'  
34-REM & RE ELCBL FR CON-28' (EACH)  
ELCBL C SIGNAL 14 5C-28'  
ELCBL C SIGNAL 14 7C-28'



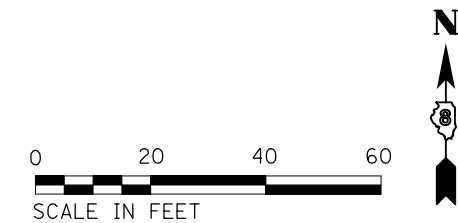
EXNE BM-EXHH01, EX. 3" COND. 1'  
REM & RE ELCBL FR CON-48'  
2-REM & RE ELCBL FR CON-43' (EACH)  
2-REM & RE ELCBL FR CON-41' (EACH)  
REM & RE ELCBL FR CON-35'  
REM & RE ELCBL FR CON-44'  
2-REM & RE ELCBL FR CON-52' (EACH)  
REM & RE ELCBL FR CON-59'  
REM & RE ELCBL FR CON-10'  
2-REM & RE ELCBL FR CON-17' (EACH)  
ELCBL C SIGNAL 14 5C-17'  
SH P LED 1F 1-3 BM-1 (EACH)

EXHH02-EXHH03, EX. 2" COND. 78'  
6-REM & RE ELCBL FR CON-84' (EACH)  
ELCBL C SIGNAL 14 7C-84'

EXSE BM-EXHH02, EX. 2" COND. 2'  
REM & RE ELCBL FR CON-18'  
3-REM & RE ELCBL FR CON-18' (EACH)  
ELCBL C SIGNAL 14 7C-18'  
REBUILD EX SIG HEAD-1 (EACH)  
SH P LED 1F 1-5 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 159 & WASHINGTON (BELLEVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		Dist 8 TS 2017-2	••	116	43
•=VARIOUS		CONTRACT NO. 76J23			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

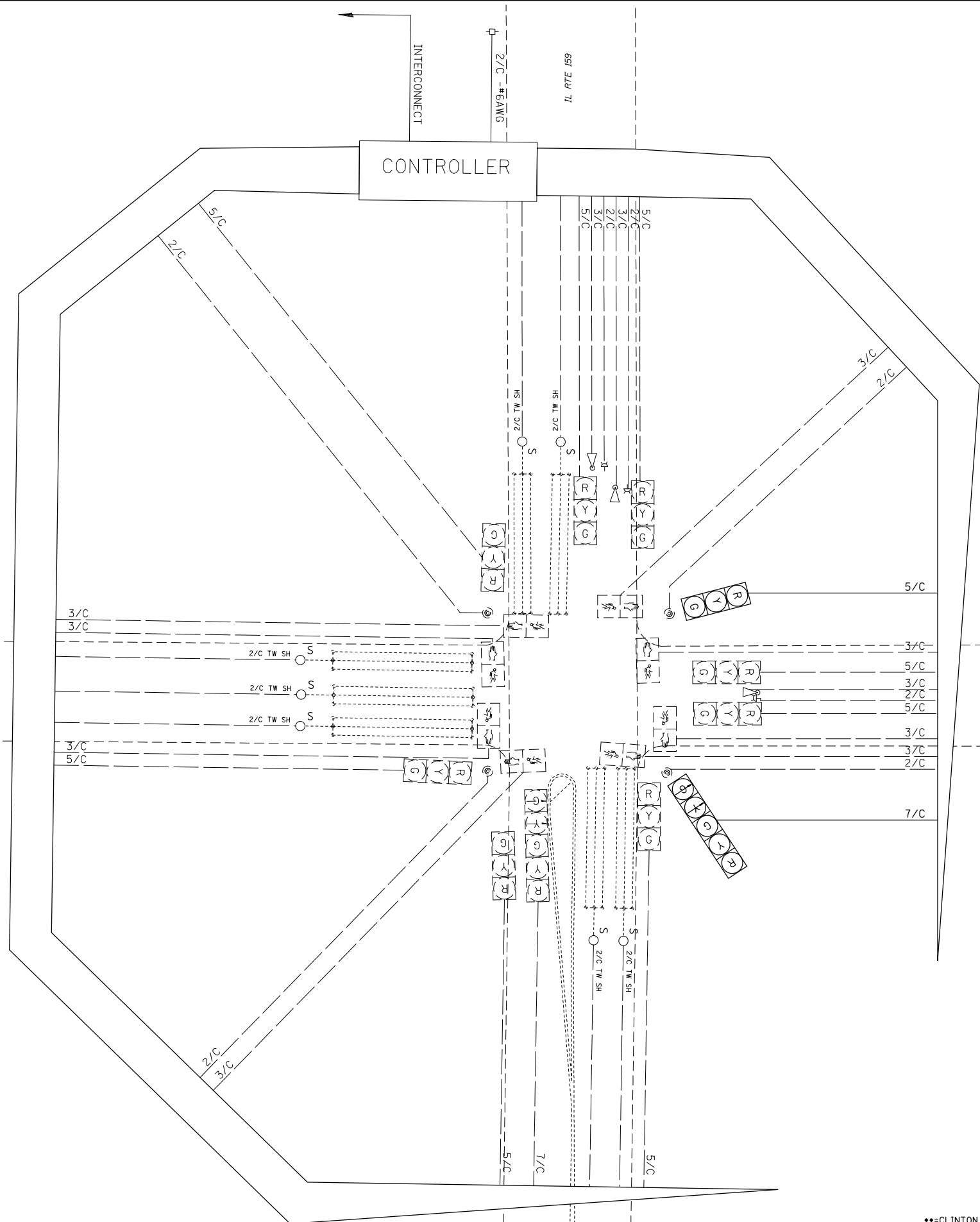
••=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



WASHINGTON ST.



#### 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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	106
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	140
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
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	2973

\*\*\*CLINTON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 159 & WASHINGTON (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	44
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"

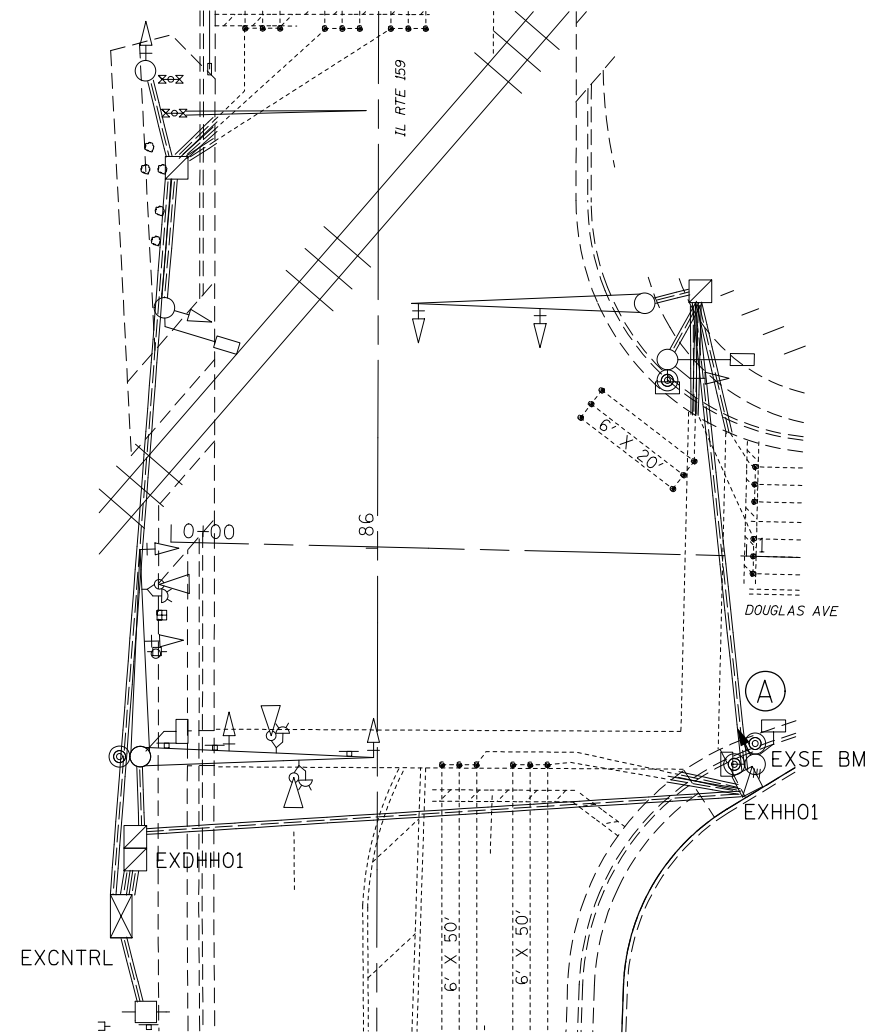


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER									
EXISTING SEQUENCE OF OPERATION									
PHASE	1	2	3	4	5	6	7	8	O.L.A
MOVEMENT	NOT USED	↓	NOT USED	NOT USED	↙	↑↑*	↘	*--	↗
CONCURRENT MOVEMENT PERMITTED		5 OR 6			2	2	O.L.A		5 AND 8

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

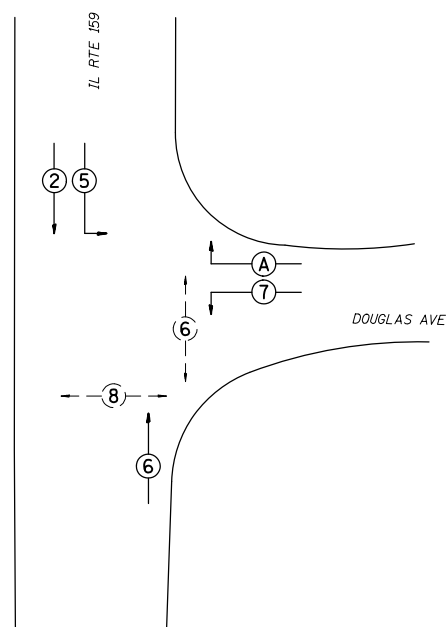
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



EXDHH01-EXCRTL, EX. 2-4" COND. 4'  
27-REM & RE ELCBL FR CON-20' (EACH)  
ELCBL C SIGNAL 14 7C-20'

EXSE BM-EXDHH01, EX. 1.5" COND. 2'  
4-REM & RE ELCBL FR CON-18' (EACH)  
ELCBL C SIGNAL 14 7C-18'  
REBUILD EX SIG HEAD-1 (EACH)  
SH P LED 1F 1-5 BM-1 (EACH)

EXH01-EXDHH01, EX. 2.5" COND. 103'  
12-REM & RE ELCBL FR CON-110' (EACH)  
ELCBL C SIGNAL 14 7C-110'



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 159 & DOUGLAS (BELLEVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

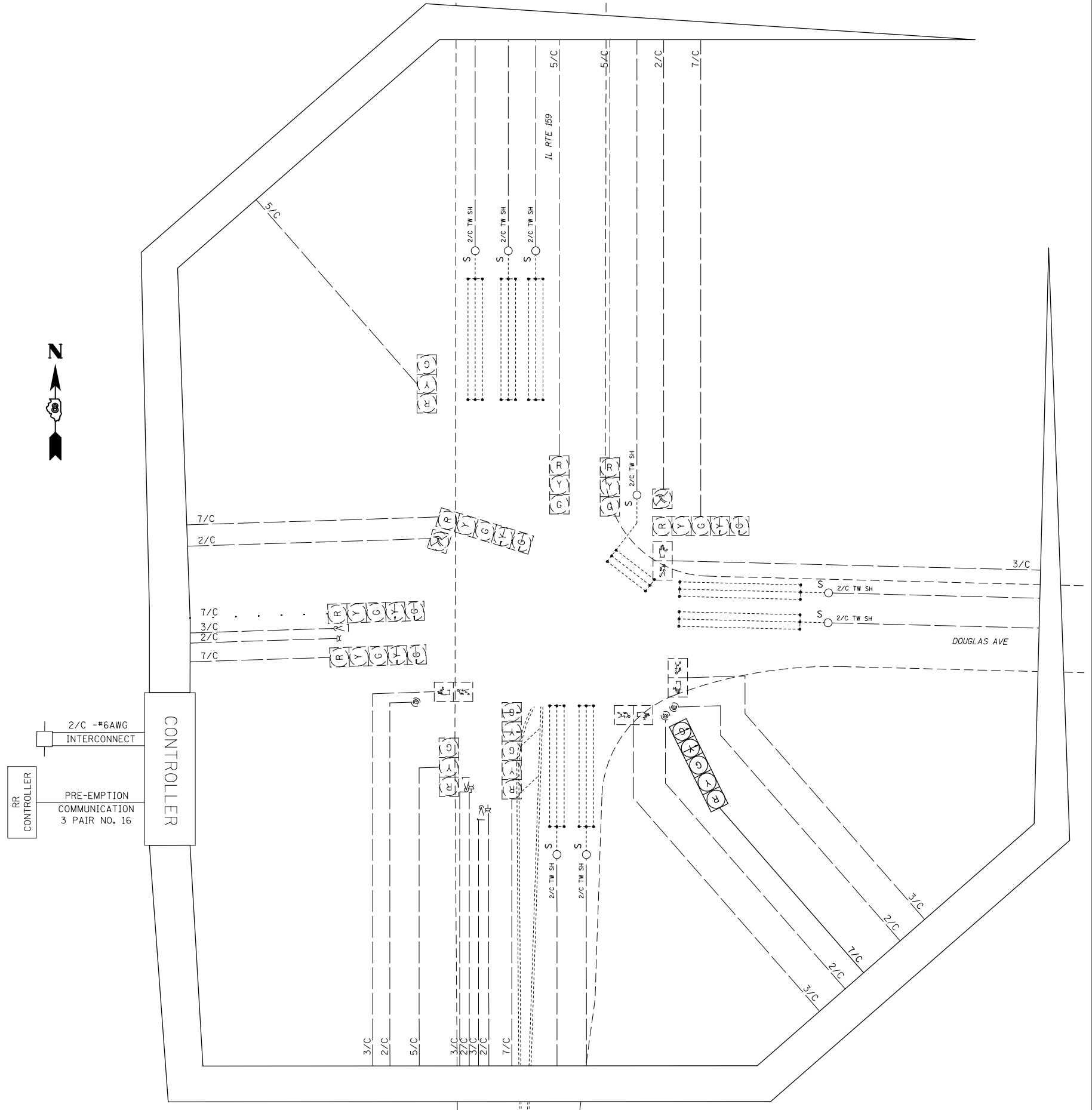
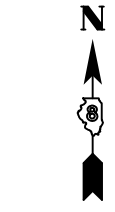
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		Dist 8 TS 2017-2	••	116	45
••=VARIOUS		CONTRACT NO. 76J23			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
7010264	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
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	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1938

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

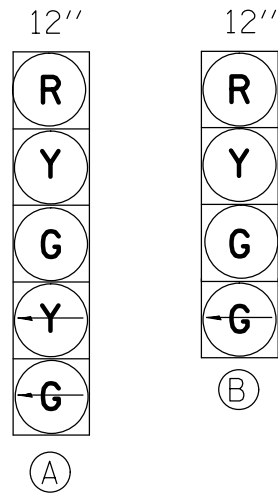
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 159 & DOUGLAS (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	46
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

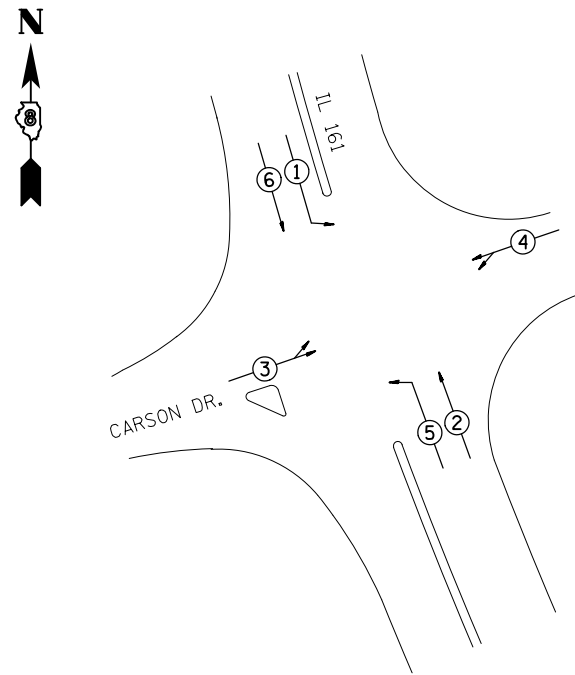


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHHO1, EX. 3" COND. 4'  
 REM & RE ELCBL FR CON-20'  
 REM & RE ELCBL FR CON-56'  
 2-REM & RE ELCBL FR CON-66'  
 REM & RE ELCBL FR CON-75'  
 ELCBL C SIGNAL 14 7C-56'  
 REBUILD EX SIG HEAD-1 (EACH)

EXHHO1-EXDHHO1, EX. 3" COND. 72'  
 9-REM & RE ELCBL FR CON-78' (EACH)  
 ELCBL C SIGNAL 14 7C-78'

EXSW BM-EXDHHO1, EX. 3" COND. 38'  
 REM & RE ELCBL FR CON-54'  
 REM & RE ELCBL FR CON-90'  
 2-REM & RE ELCBL FR CON-67'  
 REM & RE ELCBL FR CON-109'  
 ELCBL C SIGNAL 14 7C-54'  
 REBUILD EX SIG HEAD-1 (EACH)

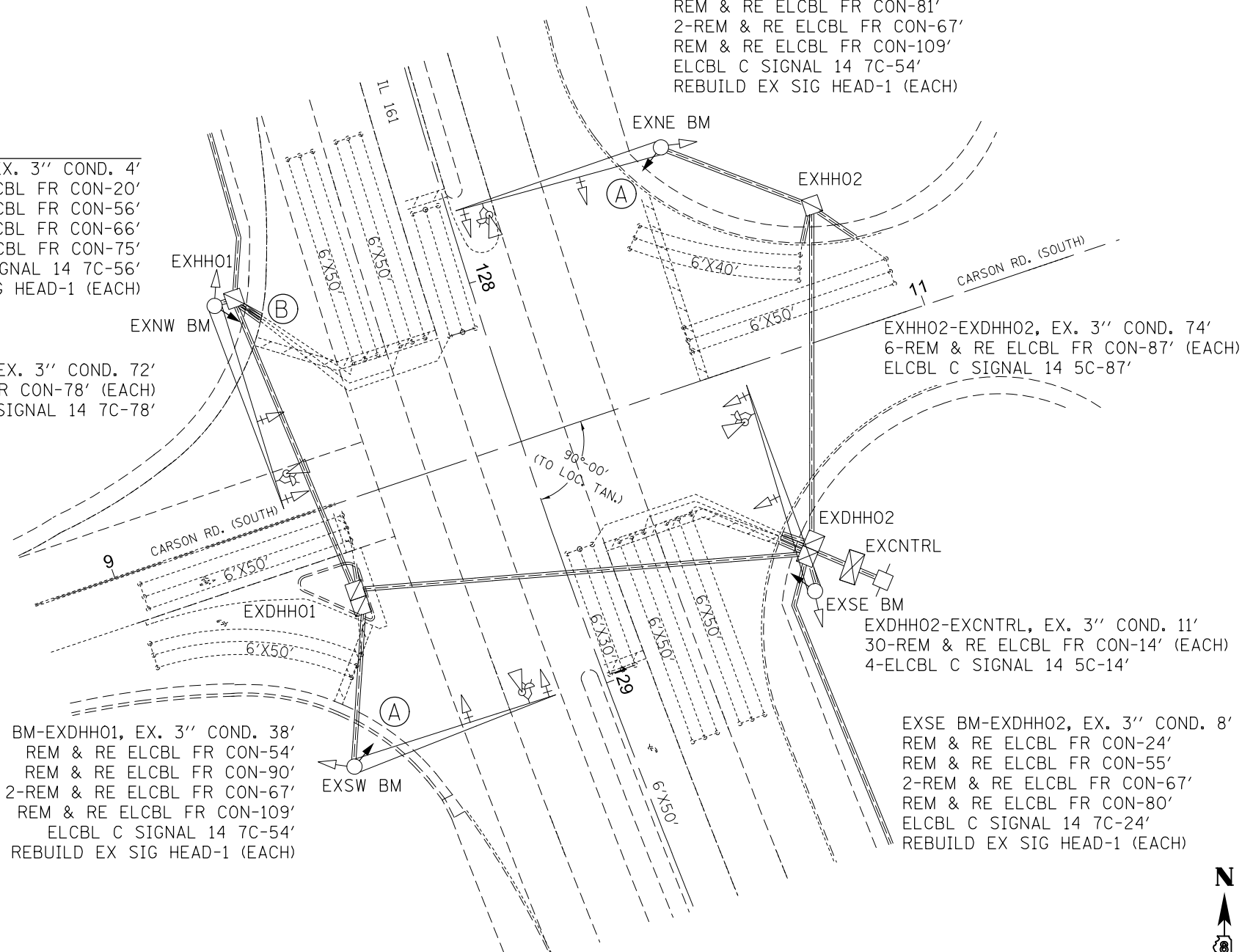
EXNE BM-EXHHO2, EX. 3" COND. 38'  
 REM & RE ELCBL FR CON-54'  
 REM & RE ELCBL FR CON-81'  
 2-REM & RE ELCBL FR CON-67'  
 REM & RE ELCBL FR CON-109'  
 ELCBL C SIGNAL 14 7C-54'  
 REBUILD EX SIG HEAD-1 (EACH)

EXHHO2-EXDHHO2, EX. 3" COND. 74'  
 6-REM & RE ELCBL FR CON-87' (EACH)  
 ELCBL C SIGNAL 14 5C-87'

EXDHHO2-EXCNTRL, EX. 3" COND. 11'  
 30-REM & RE ELCBL FR CON-14' (EACH)  
 4-ELCBL C SIGNAL 14 5C-14'

EXSE BM-EXDHHO2, EX. 3" COND. 8'  
 REM & RE ELCBL FR CON-24'  
 REM & RE ELCBL FR CON-55'  
 2-REM & RE ELCBL FR CON-67'  
 REM & RE ELCBL FR CON-80'  
 ELCBL C SIGNAL 14 7C-24'  
 REBUILD EX SIG HEAD-1 (EACH)

EXDHHO1-EXDHHO2, EX. 3" COND. 102'  
 15-REM & RE ELCBL FR CON-115' (EACH)  
 2-ELCBL C SIGNAL 14 7C-115'



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

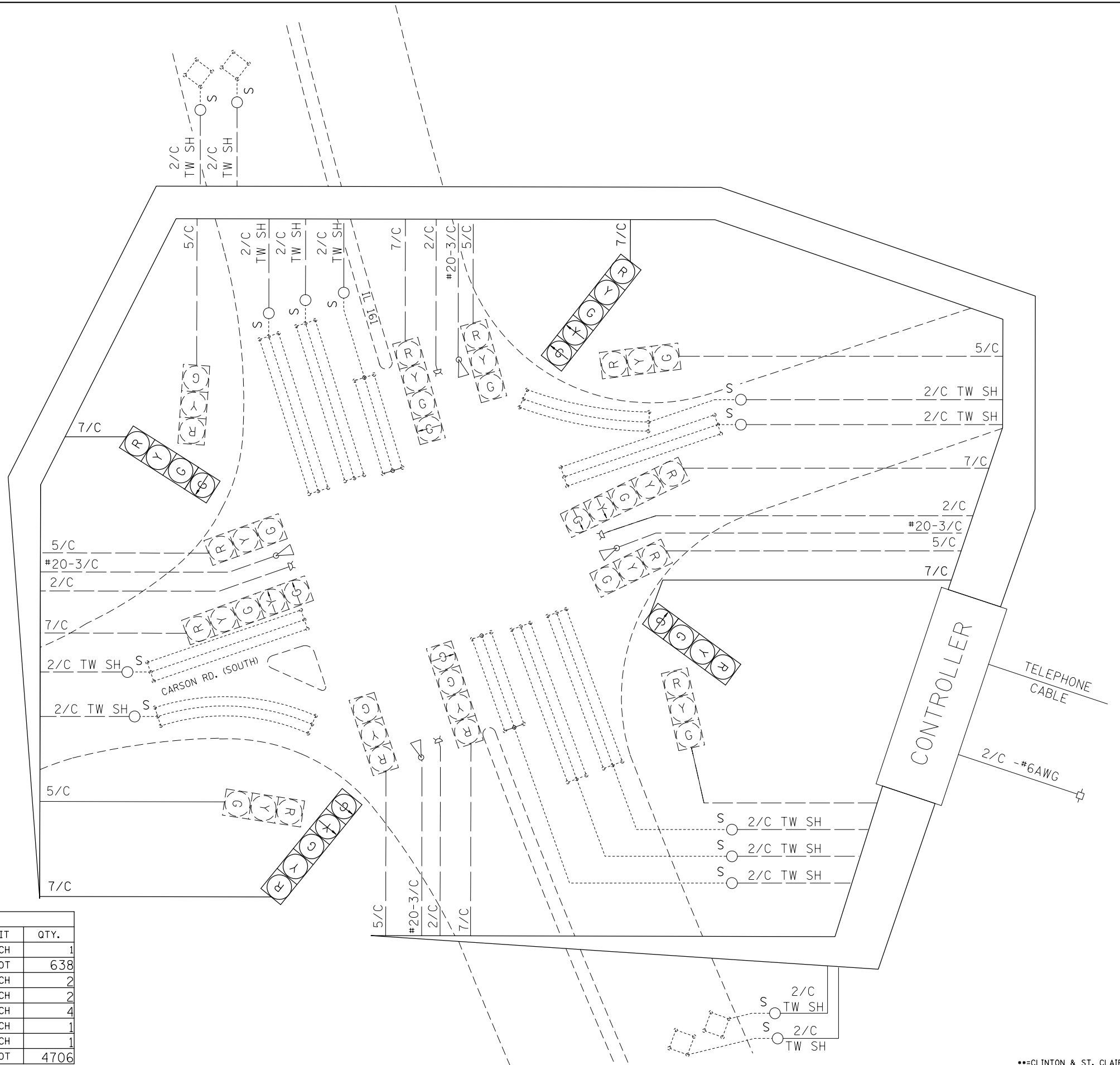
IL 161 & CARSON (BELLEVILLE, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	47
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING 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
- EXISTING SERVICE INSTALLATION



#### SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	638
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	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4706

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

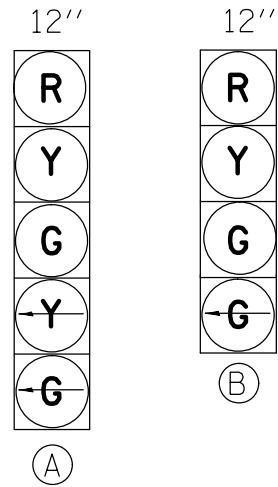
**IL 161 & CARSON (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	48
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*=CLINTON & ST. CLAIR



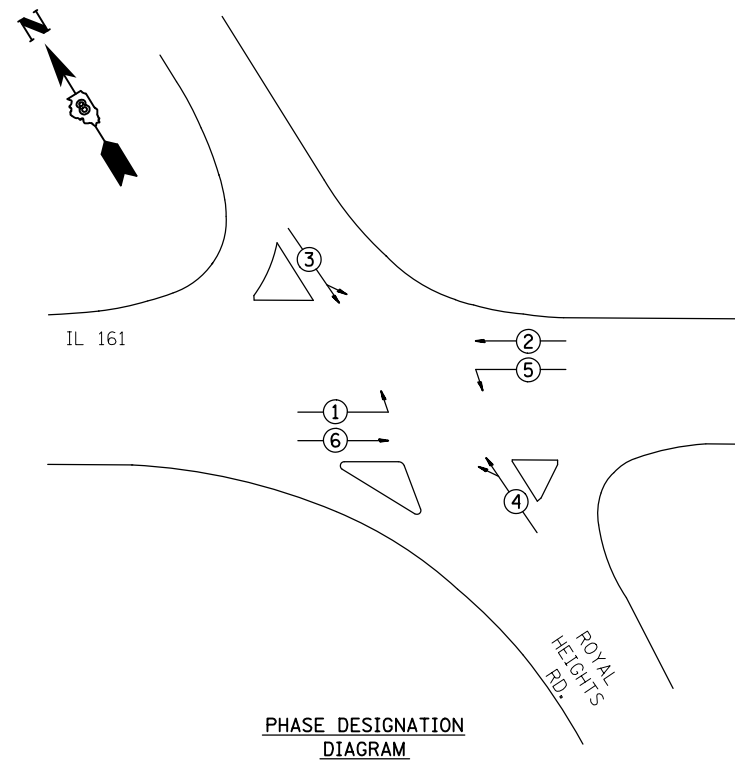


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH01, EX. 2" COND. 4'  
 3-REM & RE ELCBL FR CON-20'  
 2-REM & RE ELCBL FR CON-13'  
 ELCBL C SIGNAL 14 7C-20'  
 REBUILD EX SIG HEAD-1 (EACH)

EXHH01-EXDHH01, EX. 2.5" COND. 97'  
 13-REM & RE ELCBL FR CON-110' (EACH)  
 ELCBL C SIGNAL 14 5C-110'

EXNE BM-EXDHH01, EX. 2" COND. 5'  
 REM & RE ELCBL FR CON-77' (EACH)  
 2-REM & RE ELCBL FR CON-72'  
 REM & RE ELCBL FR CON-52'  
 2-REM & RE ELCBL FR CON-21'  
 REM & RE ELCBL FR CON-21'  
 ELCBL C SIGNAL 14 7C-21'  
 REBUILD EX SIG HEAD-1 (EACH)

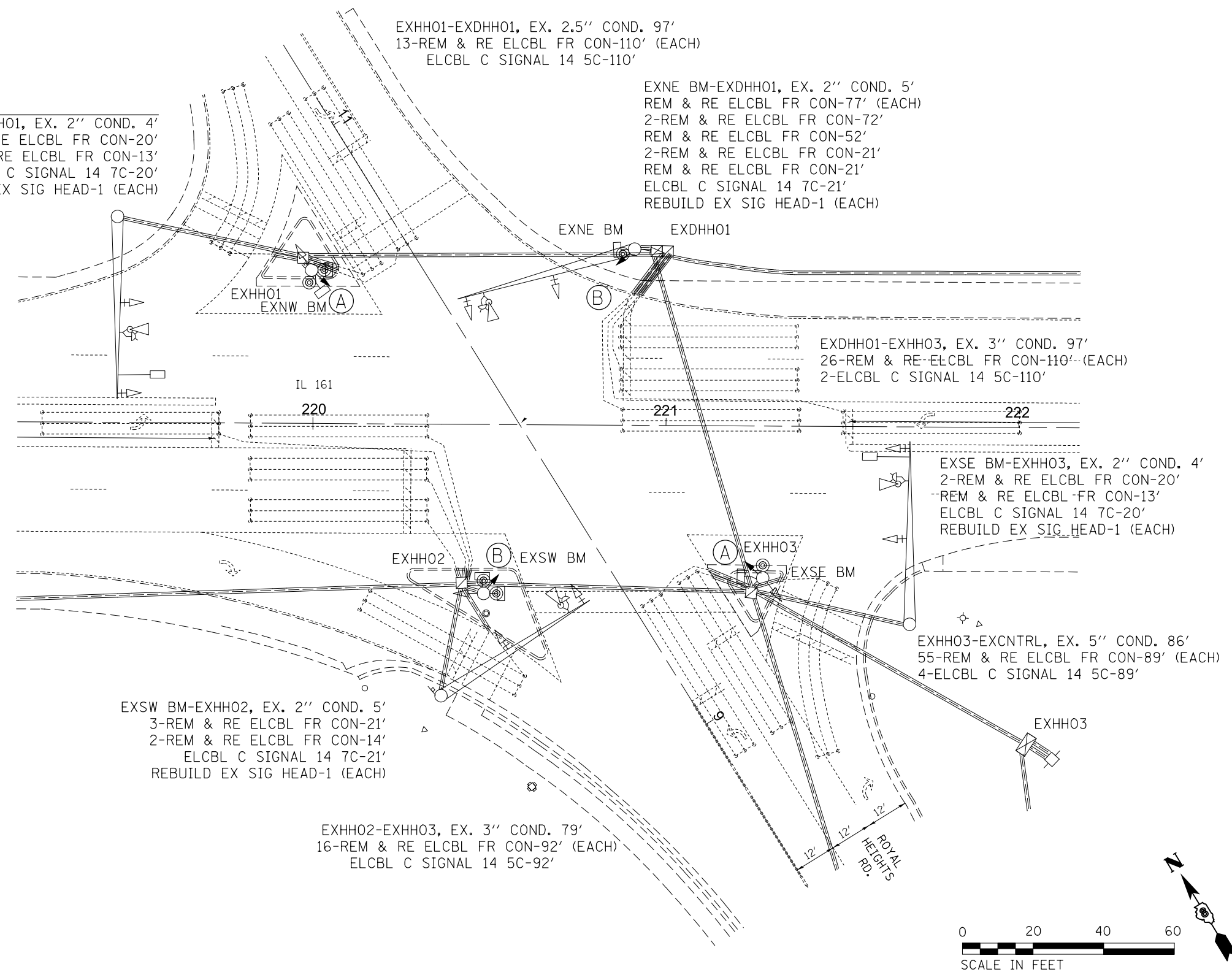
EXDHH01-EXHH03, EX. 3" COND. 97'  
 26-REM & RE ELCBL FR CON-110' (EACH)  
 2-ELCBL C SIGNAL 14 5C-110'

EXSE BM-EXHH03, EX. 2" COND. 4'  
 2-REM & RE ELCBL FR CON-20'  
 REM & RE ELCBL FR CON-13'  
 ELCBL C SIGNAL 14 7C-20'  
 REBUILD EX SIG HEAD-1 (EACH)

EXHH03-EXCNTRL, EX. 5" COND. 86'  
 55-REM & RE ELCBL FR CON-89' (EACH)  
 4-ELCBL C SIGNAL 14 5C-89'

EXSW BM-EXHH02, EX. 2" COND. 5'  
 3-REM & RE ELCBL FR CON-21'  
 2-REM & RE ELCBL FR CON-14'  
 ELCBL C SIGNAL 14 7C-21'  
 REBUILD EX SIG HEAD-1 (EACH)

EXHH02-EXHH03, EX. 3" COND. 79'  
 16-REM & RE ELCBL FR CON-92' (EACH)  
 ELCBL C SIGNAL 14 5C-92'



CLINTON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -



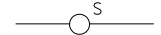



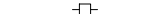



STATE OF ILLINOIS  
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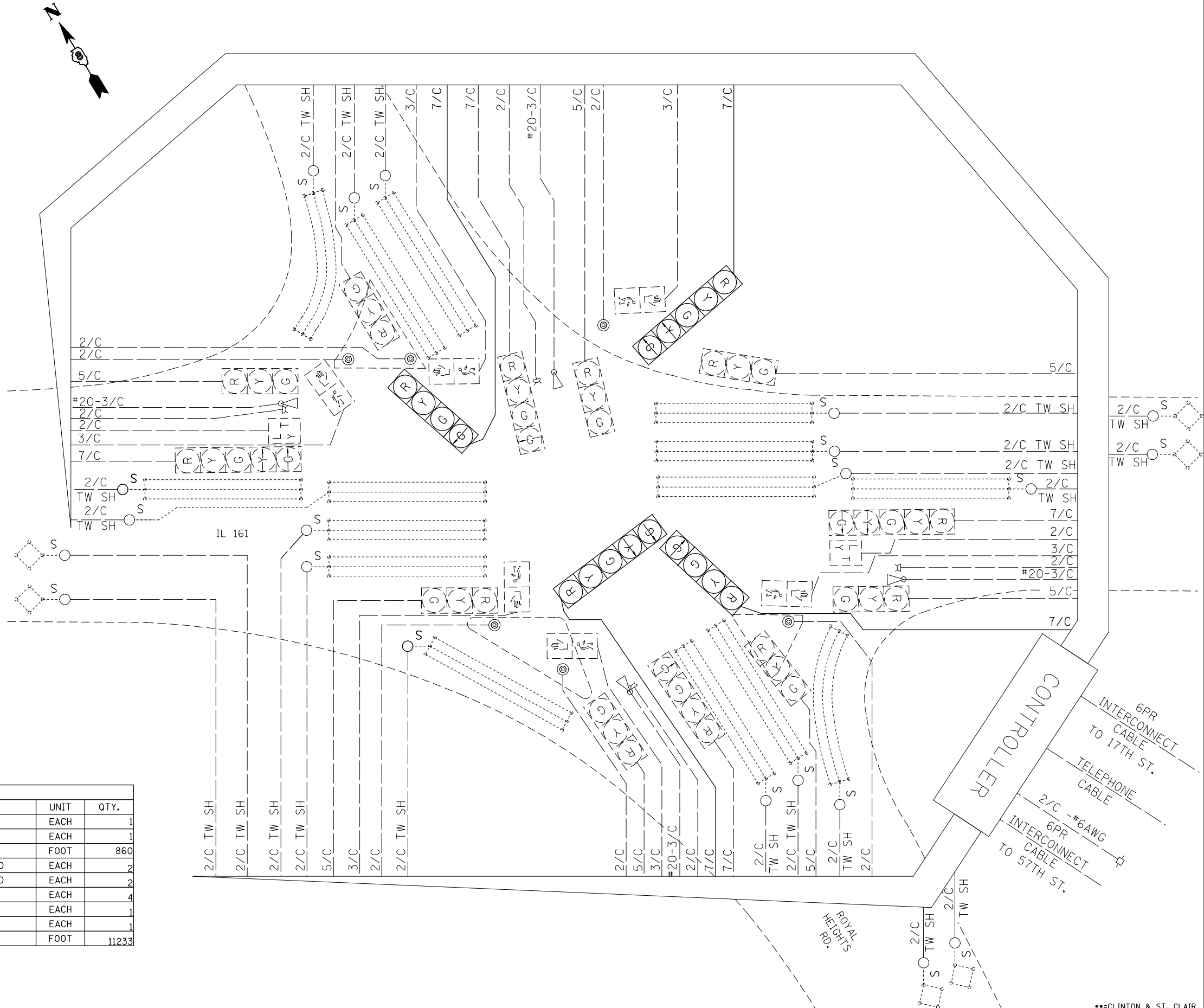
IL 161 & ROYAL HEIGHTS (BELLEVILLE, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

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

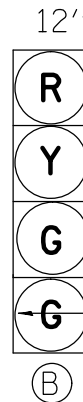
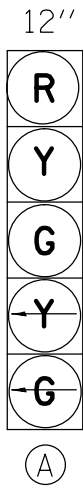
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	49
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
-  INDICATES NUMBER OF CONDUCTORS IN CABLE
-  TWISTED AND SHIELDED CABLE
-  INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION
-  EMERGENCY VEHICLE PRIORITY SYSTEM
-  EXISTING CONFIRMATION BEACON
-  EXISTING LEFT TURN YIELD SIGN



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	860
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	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	11233



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	7 OR 4	3 OR 8	1 OR 2	1 OR 2	3 OR 8	7 OR 4

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXNW BM-EXHHO1, EX. 2" COND. 12'  
 REM & RE ELCBL FR CON-83'  
 2-REM & RE ELCBL FR CON-79'  
 REM & RE ELCBL FR CON-63'  
 REM & RE ELCBL FR CON-28'  
 ELCBL C SIGNAL 14 7C-28'  
 REBUILD EX SIG HEAD-1 (EACH)

EXHHO1-EXDHHO1, EX. 2.5" COND. 44'  
 7-REM & RE ELCBL FR CON-50' (EACH)  
 ELCBL C SIGNAL 14 5C-50'

EXDHHO1-EXDHHO2, EX. 4" COND. 100'  
 19-REM & RE ELCBL FR CON-113' (EACH)  
 2-ELCBL C SIGNAL 14 5C-113'

EXDHHO2-EXCNTRL, EX. 2.5" COND. 50'  
 42-REM & RE ELCBL FR CON-63' (EACH)  
 4-ELCBL C SIGNAL 14 5C-63'

EXSW BM-EXDHHO2, EX. 2" COND. 35'  
 REM & RE ELCBL FR CON-104'  
 2-REM & RE ELCBL FR CON-100'  
 REM & RE ELCBL FR CON-89'  
 REM & RE ELCBL FR CON-51'  
 ELCBL C SIGNAL 14 7C-51'  
 REBUILD EX SIG HEAD-1 (EACH)

EXHHO2-EXDHHO1, EX. 2.5" COND. 94'  
 9-REM & RE ELCBL FR CON-100' (EACH)  
 ELCBL C SIGNAL 14 5C-100'

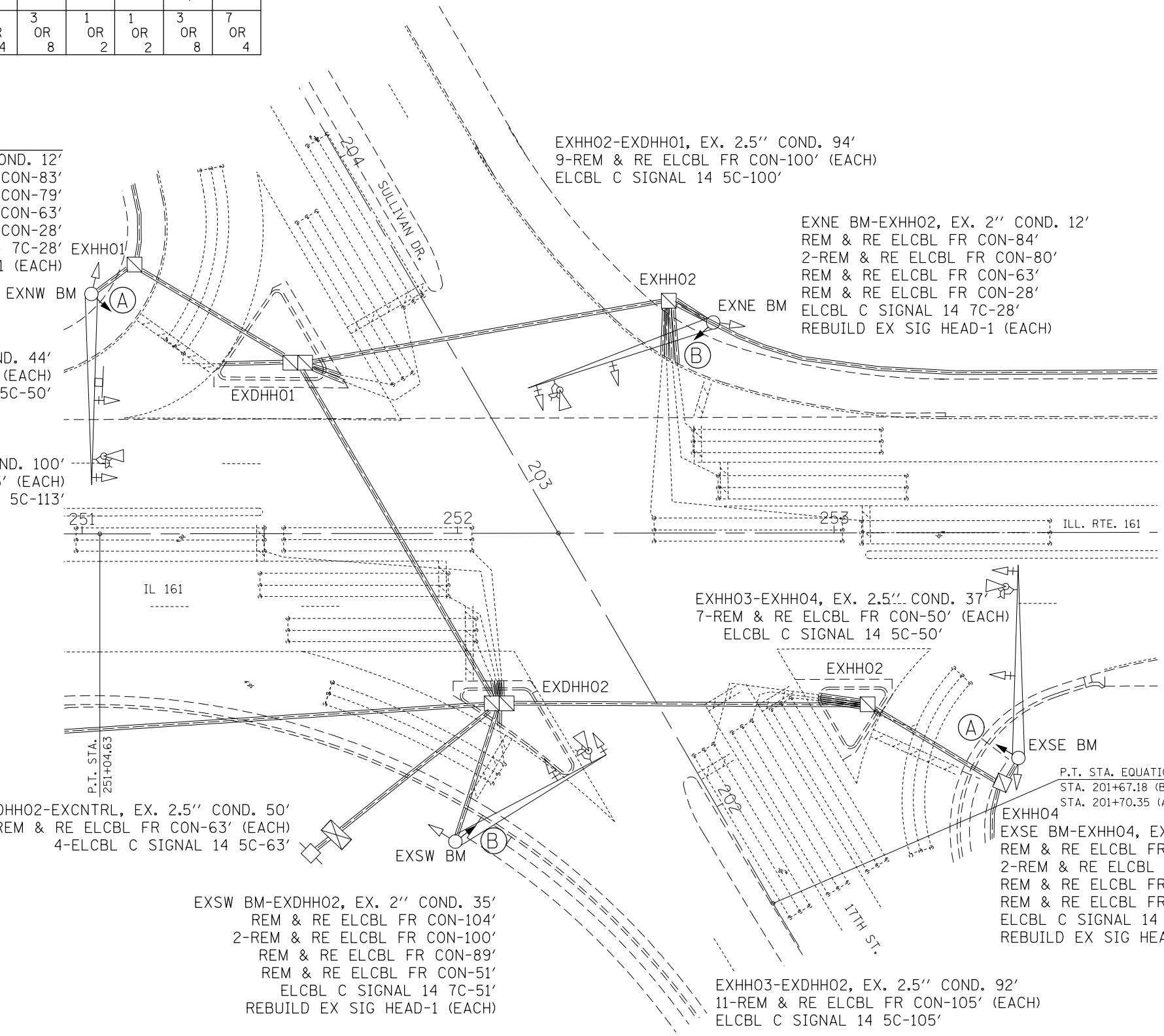
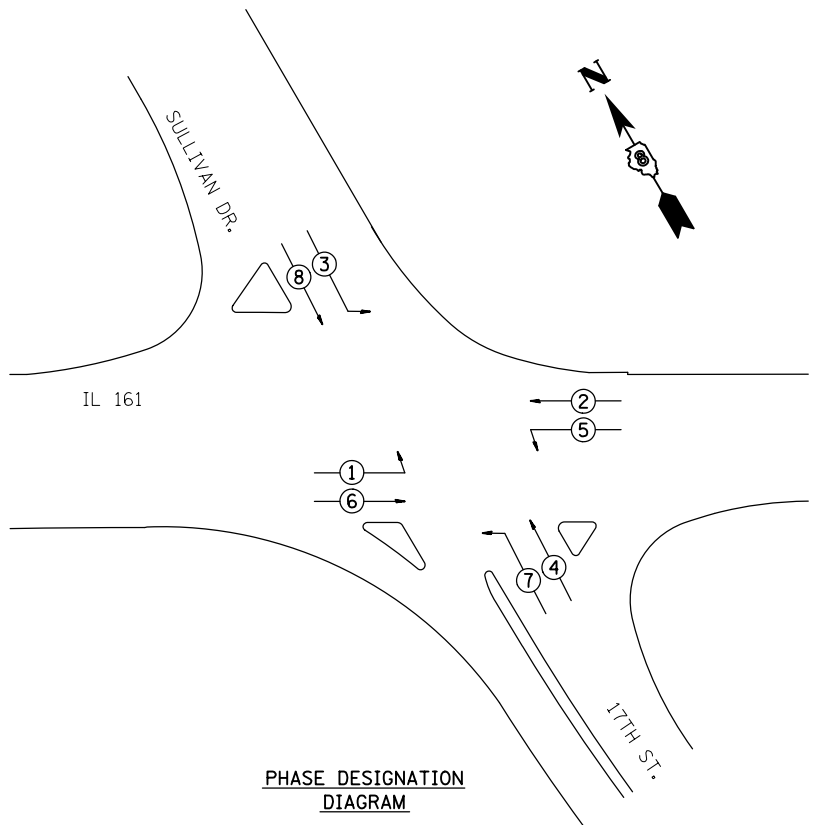
EXNE BM-EXHHO2, EX. 2" COND. 12'  
 REM & RE ELCBL FR CON-84'  
 2-REM & RE ELCBL FR CON-80'  
 REM & RE ELCBL FR CON-63'  
 REM & RE ELCBL FR CON-28'  
 ELCBL C SIGNAL 14 7C-28'  
 REBUILD EX SIG HEAD-1 (EACH)

EXHHO3-EXHHO4, EX. 2.5" COND. 37'  
 7-REM & RE ELCBL FR CON-50' (EACH)  
 ELCBL C SIGNAL 14 5C-50'

P.T. STA. EQUATION  
 STA. 201+67.18 (BK) =  
 STA. 201+70.35 (AH)

EXHHO4  
 EXSE BM-EXHHO4, EX. 2" COND. 37'  
 REM & RE ELCBL FR CON-110'  
 2-REM & RE ELCBL FR CON-105'  
 REM & RE ELCBL FR CON-82'  
 REM & RE ELCBL FR CON-53'  
 ELCBL C SIGNAL 14 7C-53'  
 REBUILD EX SIG HEAD-1 (EACH)

EXHHO3-EXDHHO2, EX. 2.5" COND. 92'  
 11-REM & RE ELCBL FR CON-105' (EACH)  
 ELCBL C SIGNAL 14 5C-105'



\*\*\*CLINTON & ST. CLAIR

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

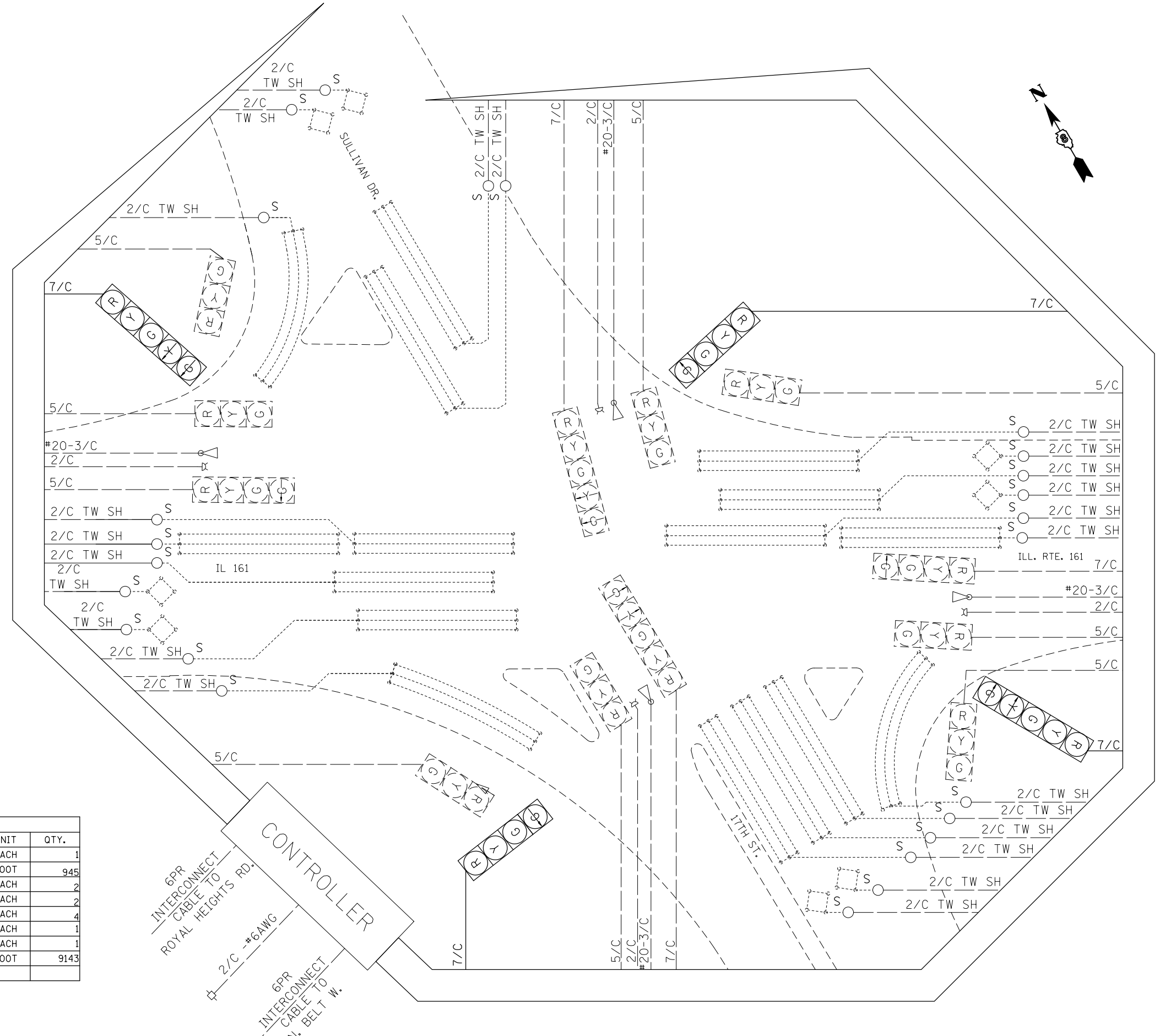
IL 161 & N 17TH (BELLEVILLE, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	51
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING 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
- EXISTING SERVICE INSTALLATION
- △ EMERGENCY VEHICLE PRIORITY SYSTEM
- x EXISTING CONFIRMATION BEACON



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	945
88040150	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	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	9143

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 161 & N 17TH (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	52
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				

••=CLINTON & ST. CLAIR

12"



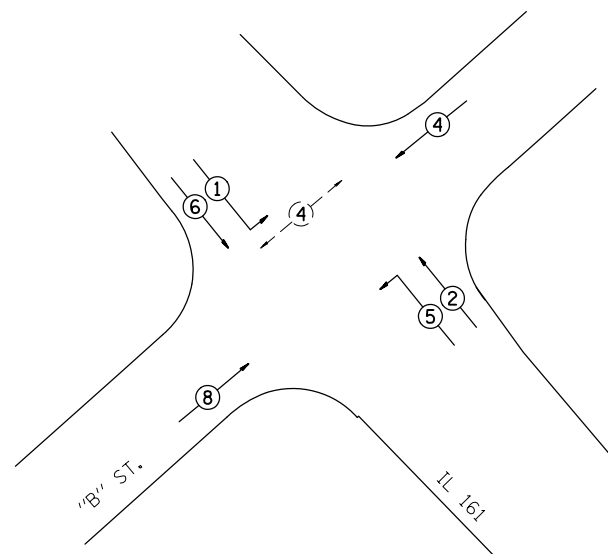
EXISTING FULL-ACTUATED CONTROLLER

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

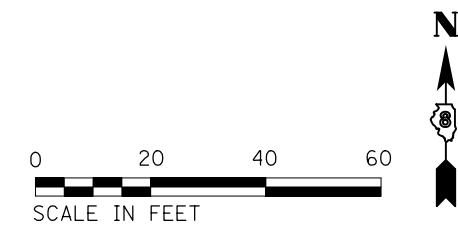
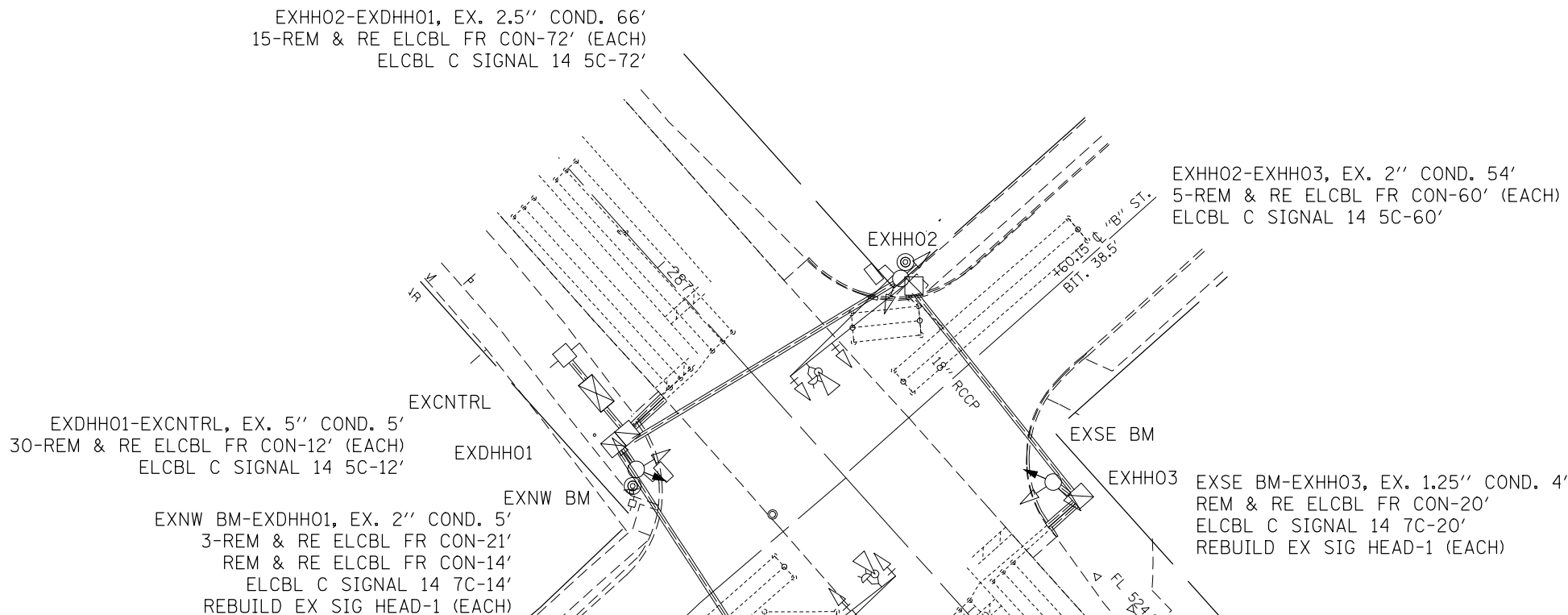
\* PEDESTRIAN MOVEMENT ON ACTUATION, ONLY. DURING NORMAL OPERATION, PHASE 4 AND 8 SHALL ALWAYS BE DISPLAYED CONCURRENTLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

### PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION  
DIAGRAM



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 161 & "B" ST. (BELLEVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN**

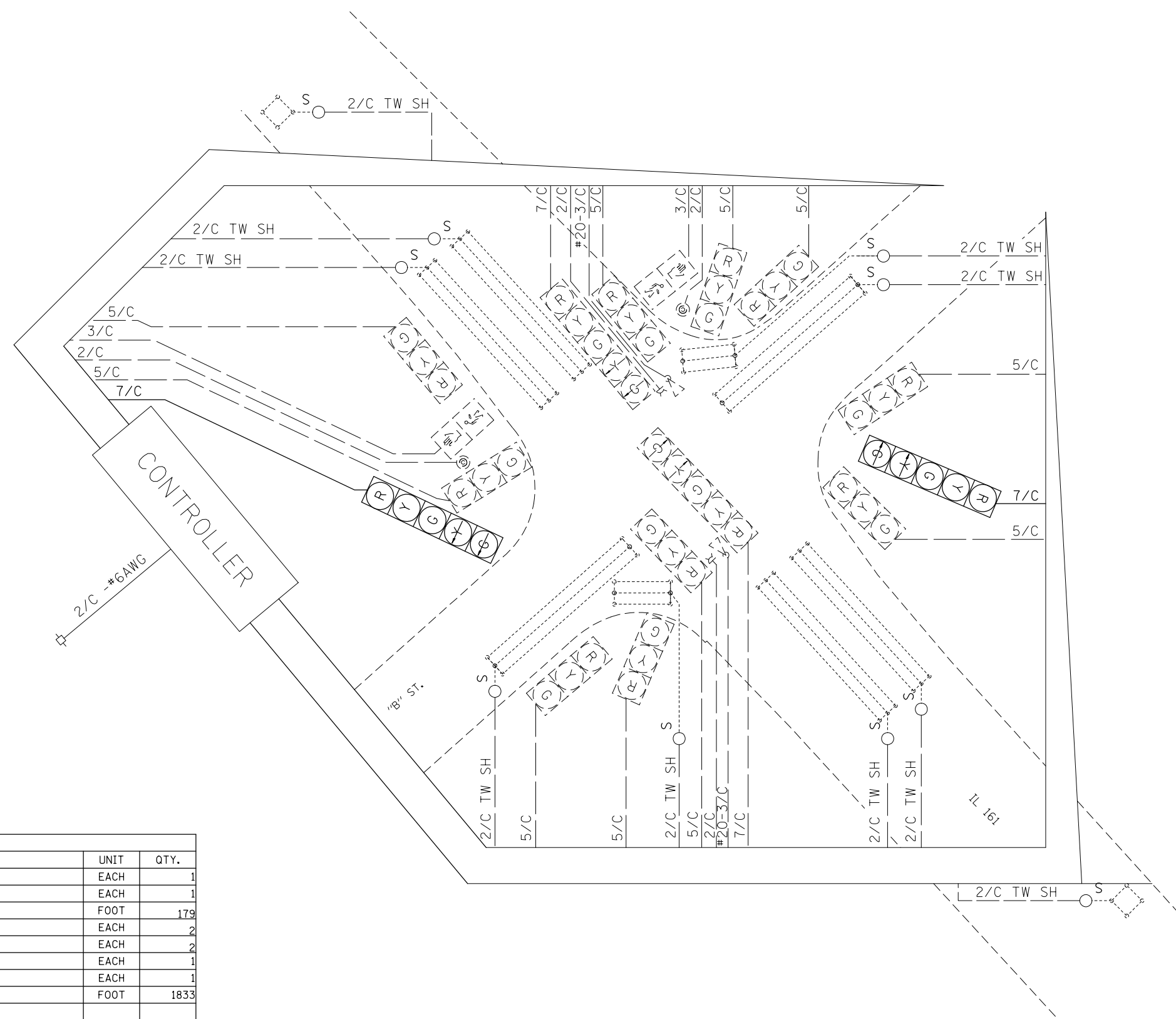
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	53
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.      ILLINOIS FED. AID PROJECT				

••=CLINTON & ST. CLAIR

# CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- — — — EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION
- △ EMERGENCY VEHICLE PRIORITY SYSTEM
- ⊠ EXISTING CONFIRMATION BEACON



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	179
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 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	1833

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

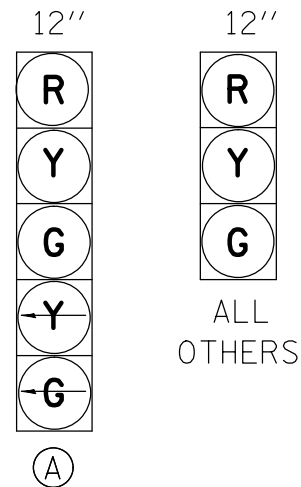
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 161 & "B" ST. (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• Dist 8 TS 2017-2			••	116	54
••=VARIOUS		CONTRACT NO. 76J23			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR

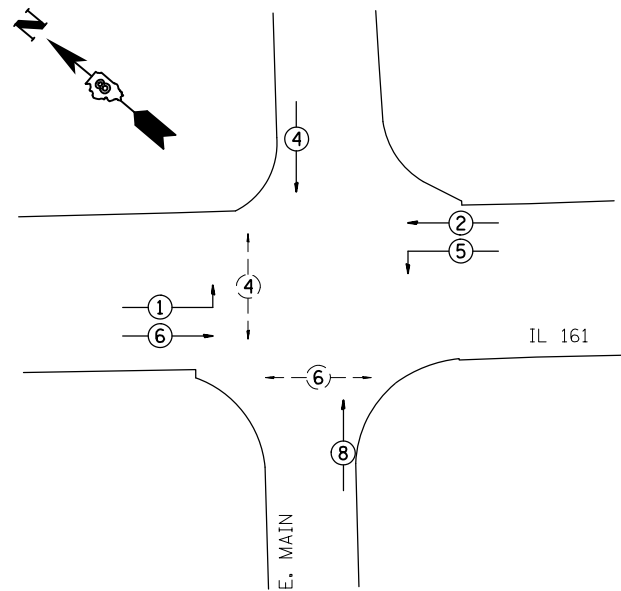


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→ SBLT	← NB	NOT USED	↕ WB	← NBLT	↔ NB	NOT USED	↑ WB
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

\* PEDESTRIAN SIGNAL SHALL BE PUSH BUTTON ACTIVATED  
PHASES 4 AND 8 SHALL TIME CONCURRENTLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXHDHH01-EXHH01, EX. 2.5" COND. 61'  
13-REM & RE ELCBL FR CON-68' (EACH)  
2-ELCBL C SIGNAL 14 5C-68' (EACH)

EXSW BM-EXHDHH01, EX. 1.5" COND. 22'  
EXSW BM  
REM & RE ELCBL FR CON-69'  
2-REM & RE ELCBL FR CON-66' (EACH)  
2-REM & RE ELCBL FR CON-62' (EACH)  
REM & RE ELCBL FR CON-57'  
-ELCBL C SIGNAL 14 5C-66'

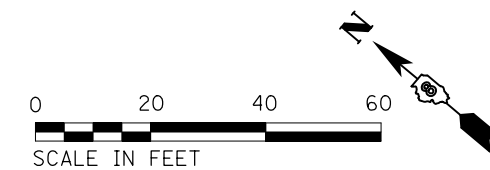
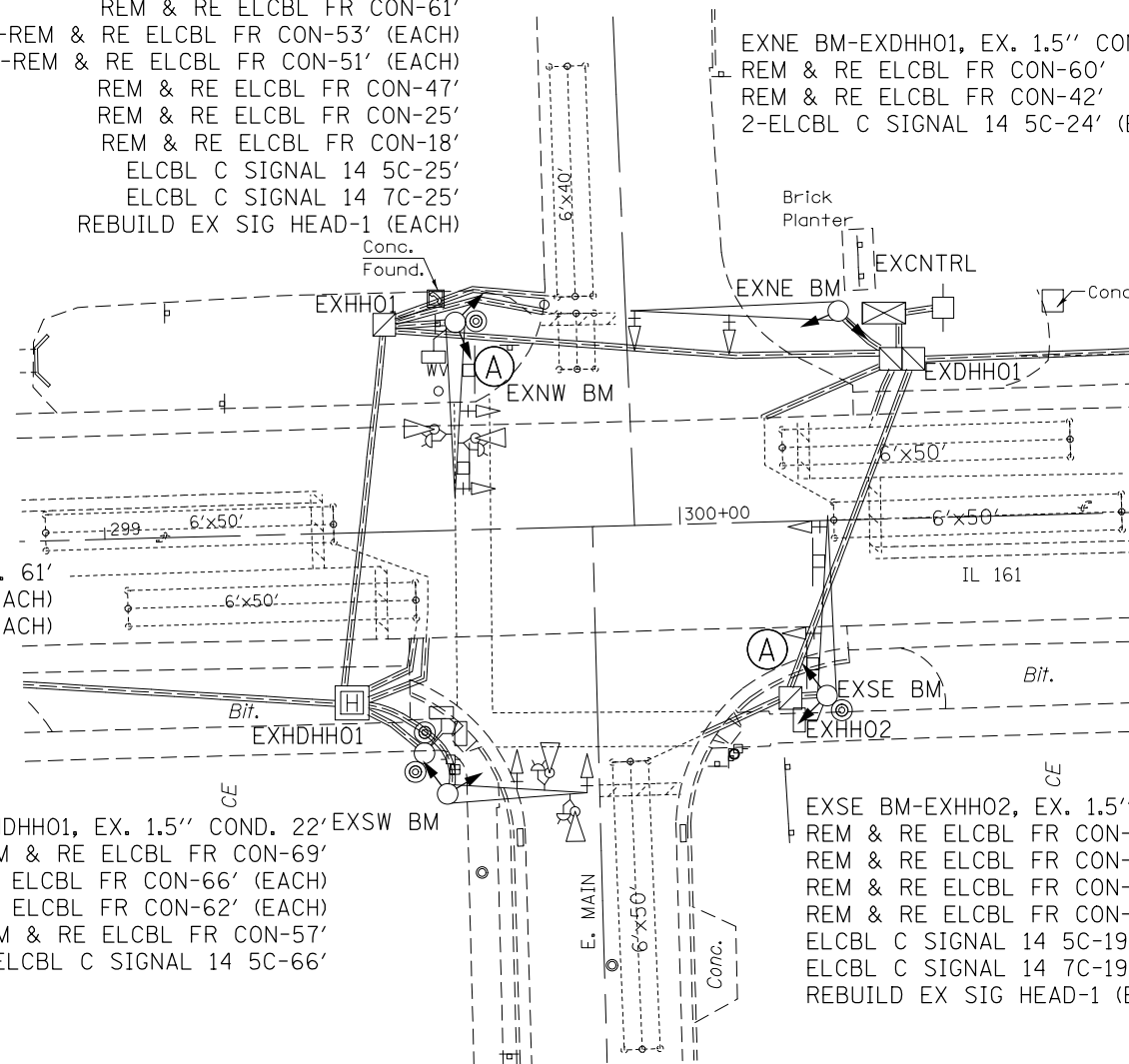
EXNW BM-EXHH01, EX. 1.5" COND. 9'  
REM & RE ELCBL FR CON-61'  
2-REM & RE ELCBL FR CON-53' (EACH)  
2-REM & RE ELCBL FR CON-51' (EACH)  
REM & RE ELCBL FR CON-47'  
REM & RE ELCBL FR CON-25'  
REM & RE ELCBL FR CON-18'  
ELCBL C SIGNAL 14 5C-25'  
ELCBL C SIGNAL 14 7C-25'  
REBUILD EX SIG HEAD-1 (EACH)

EXNE BM-EXDHH01, EX. 1.5" COND. 8'  
REM & RE ELCBL FR CON-60'  
REM & RE ELCBL FR CON-42'  
2-ELCBL C SIGNAL 14 5C-24' (EACH)

EXCNTRL-EXDHH01, EX. 4" COND. 4'  
37-REM & RE ELCBL FR CON-20' (EACH)  
6-ELCBL C SIGNAL 14 5C-20' (EACH)  
2-ELCBL C SIGNAL 14 7C-20' (EACH)

EXDHH01-EXHH02, EX. 2.5" COND. 59'  
9-REM & RE ELCBL FR CON-65' (EACH)  
ELCBL C SIGNAL 14 5C-65'  
ELCBL C SIGNAL 14 7C-65'

EXSE BM-EXHH02, EX. 1.5" COND. 3'  
EXSE BM  
REM & RE ELCBL FR CON-55'  
REM & RE ELCBL FR CON-36'  
REM & RE ELCBL FR CON-19'  
REM & RE ELCBL FR CON-12'  
ELCBL C SIGNAL 14 5C-19'  
ELCBL C SIGNAL 14 7C-19'  
REBUILD EX SIG HEAD-1 (EACH)



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 161 & E MAIN (BELLEVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

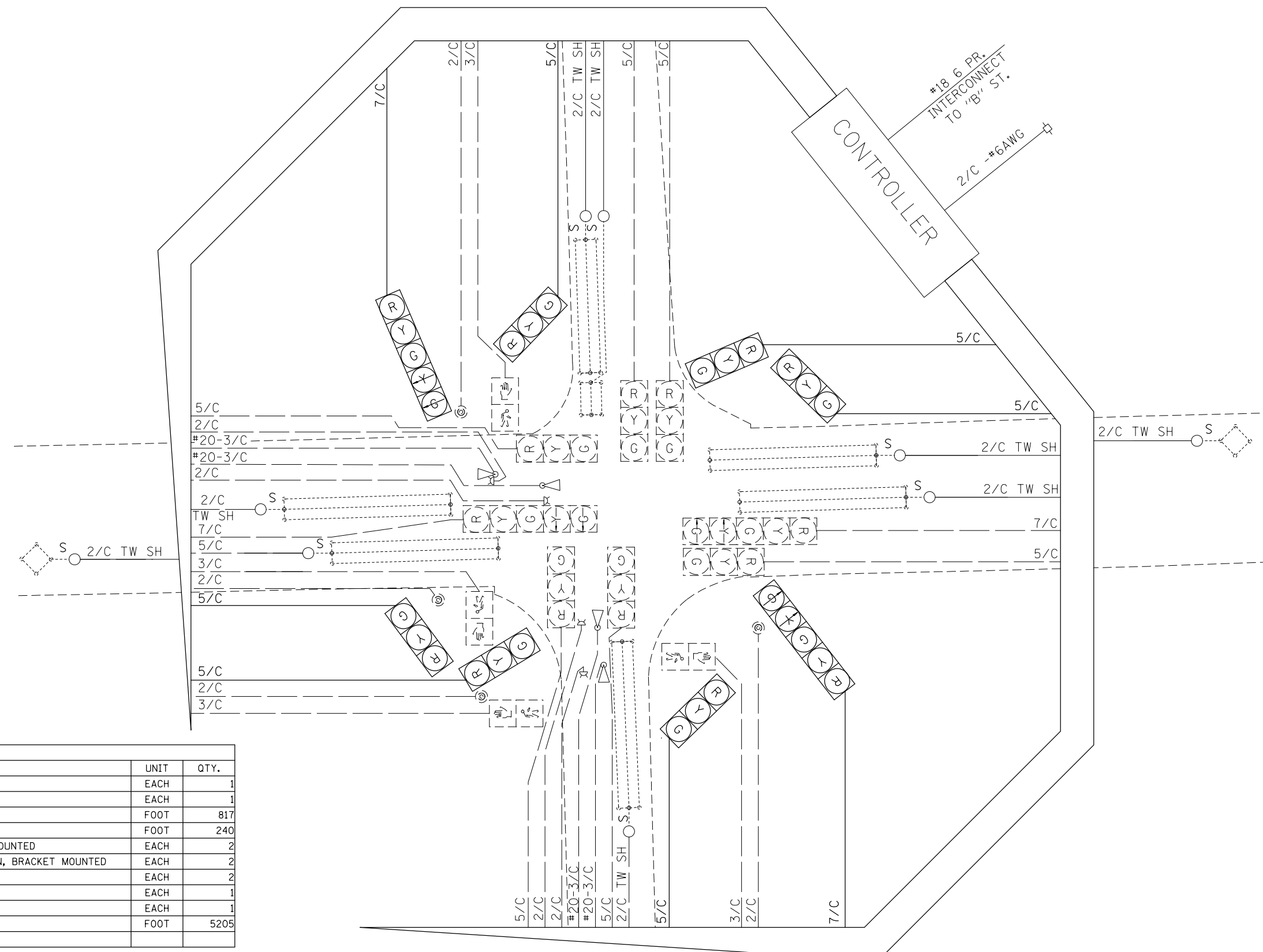
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	55
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••=CLINTON & ST. CLAIR

# CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION
- △ EMERGENCY VEHICLE PRIORITY SYSTEM
- ⊠ EXISTING CONFIRMATION BEACON



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	817
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	240
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
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	5205

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

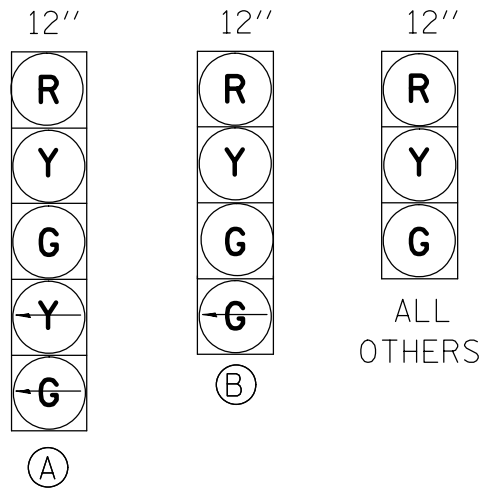
**IL 161 & E MAIN (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		Dist 8 TS 2017-2	••	116	56
••=VARIOUS				CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR





PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→ EBLT	← WB	↕ NB	↕ SB	↔ WBLT	→ EB	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXDHH01-EXHH05, EX. 3" COND. 123'  
 10-REM & RE ELCBL FR CON-130' (EACH)  
 ELCBL C SIGNAL 14 7C-130'

EXNW BM-EXHH05, EX. 2" COND. 20'  
 REM & RE ELCBL FR CON-98'  
 REM & RE ELCBL FR CON-86'  
 REM & RE ELCBL FR CON-73'  
 REM & RE ELCBL FR CON-36'  
 ELCBL C SIGNAL 14 7C-36'  
 REBUILD EX SIG HEAD-1 (EACH)

EXCNTRL-EXDHH01, EX. 5" COND. 3'  
 40-REM & RE ELCBL FR CON-19' (EACH)  
 ELCBL C SIGNAL 14 5C-19'  
 3-ELCBL C SIGNAL 14 7C-19' (EACH)

EXDHH01-EXHH02, EX. 3" COND. 132'  
 23-REM & RE ELCBL FR CON-138' (EACH)  
 ELCBL C SIGNAL 14 5C-138'  
 ELCBL C SIGNAL 14 7C-138'

EXDHH01-EXHH01, EX. 2" COND. 44'  
 5-REM & RE ELCBL FR CON-51' (EACH)  
 ELCBL C SIGNAL 14 7C-51'

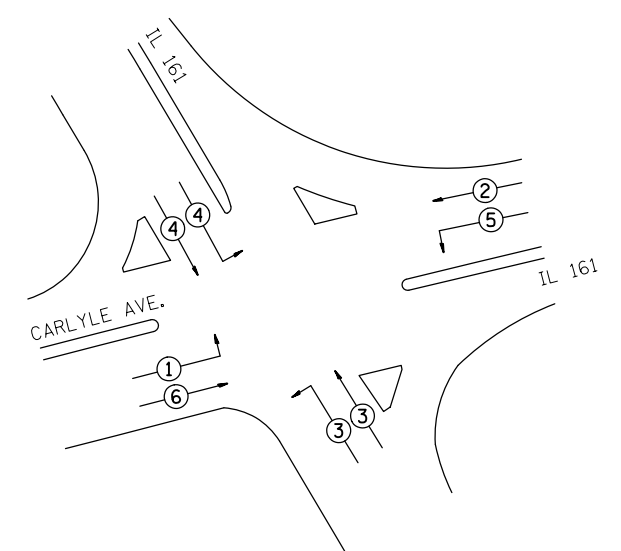
EXNE BM-EXHH01, EX. 2" COND. 3'  
 REM & RE ELCBL FR CON-19'  
 ELCBL C SIGNAL 14 7C-19'  
 REBUILD EX SIG HEAD-1 (EACH)

EXHH03-EXHH02, EX. 2" COND. 132'  
 19-REM & RE ELCBL FR CON-138' (EACH)  
 ELCBL C SIGNAL 14 5C-138'  
 ELCBL C SIGNAL 14 7C-138'

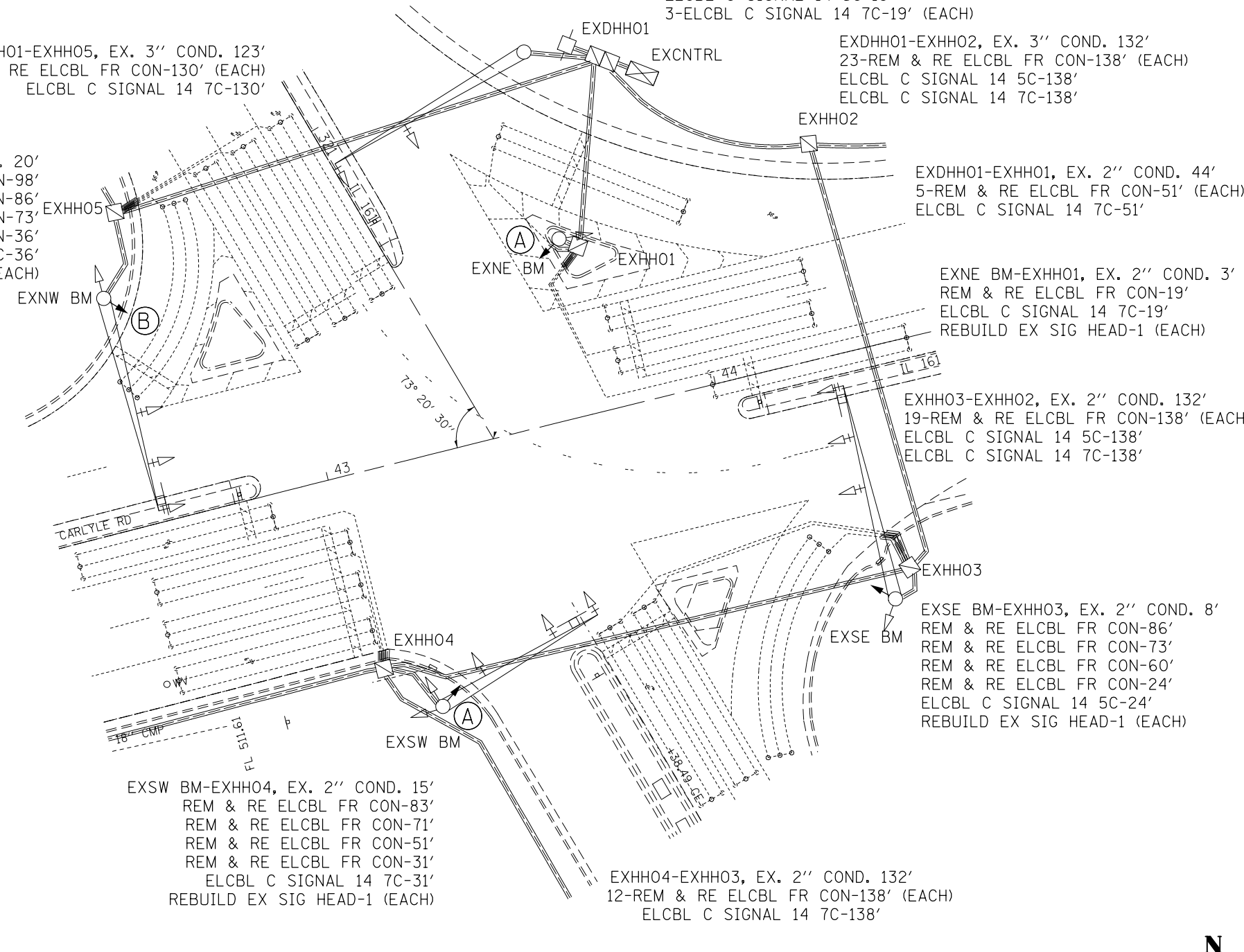
EXSE BM-EXHH03, EX. 2" COND. 8'  
 REM & RE ELCBL FR CON-86'  
 REM & RE ELCBL FR CON-73'  
 REM & RE ELCBL FR CON-60'  
 REM & RE ELCBL FR CON-24'  
 ELCBL C SIGNAL 14 5C-24'  
 REBUILD EX SIG HEAD-1 (EACH)

EXSW BM-EXHH04, EX. 2" COND. 15'  
 REM & RE ELCBL FR CON-83'  
 REM & RE ELCBL FR CON-71'  
 REM & RE ELCBL FR CON-51'  
 REM & RE ELCBL FR CON-31'  
 ELCBL C SIGNAL 14 7C-31'  
 REBUILD EX SIG HEAD-1 (EACH)





EXHH04-EXHH03, EX. 2" COND. 132'  
 12-REM & RE ELCBL FR CON-138' (EACH)  
 ELCBL C SIGNAL 14 7C-138'

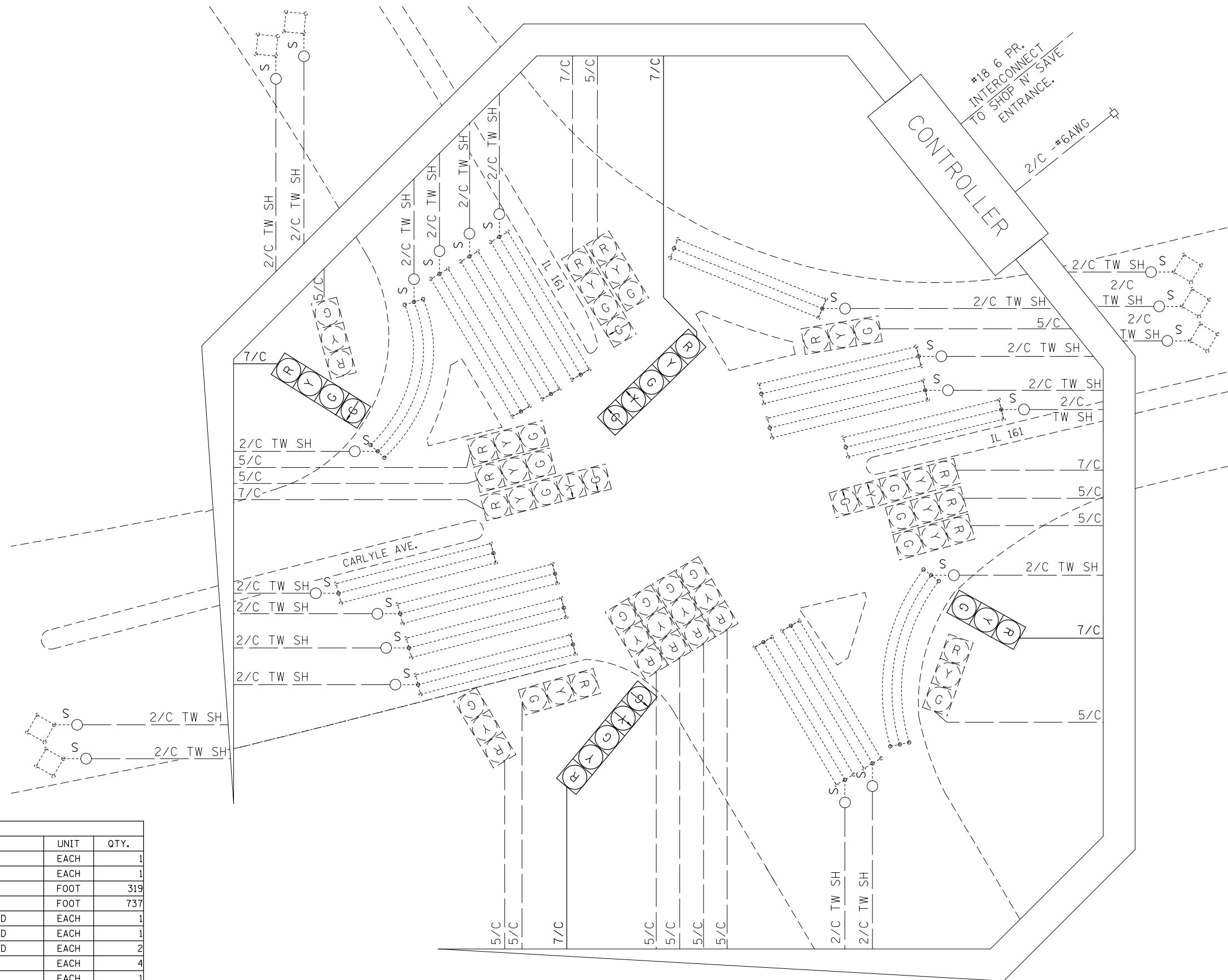


PHASE DESIGNATION DIAGRAM



### CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING 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
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	319
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	737
8804070	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
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	10549

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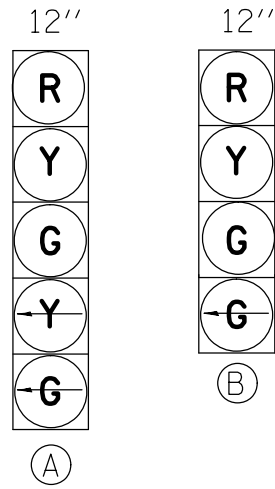
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 161 & CARLYLE (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		Dist 8 TS 2017-2	••	116	68
••=VARIOUS				CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

••=CLINTON & ST. CLAIR

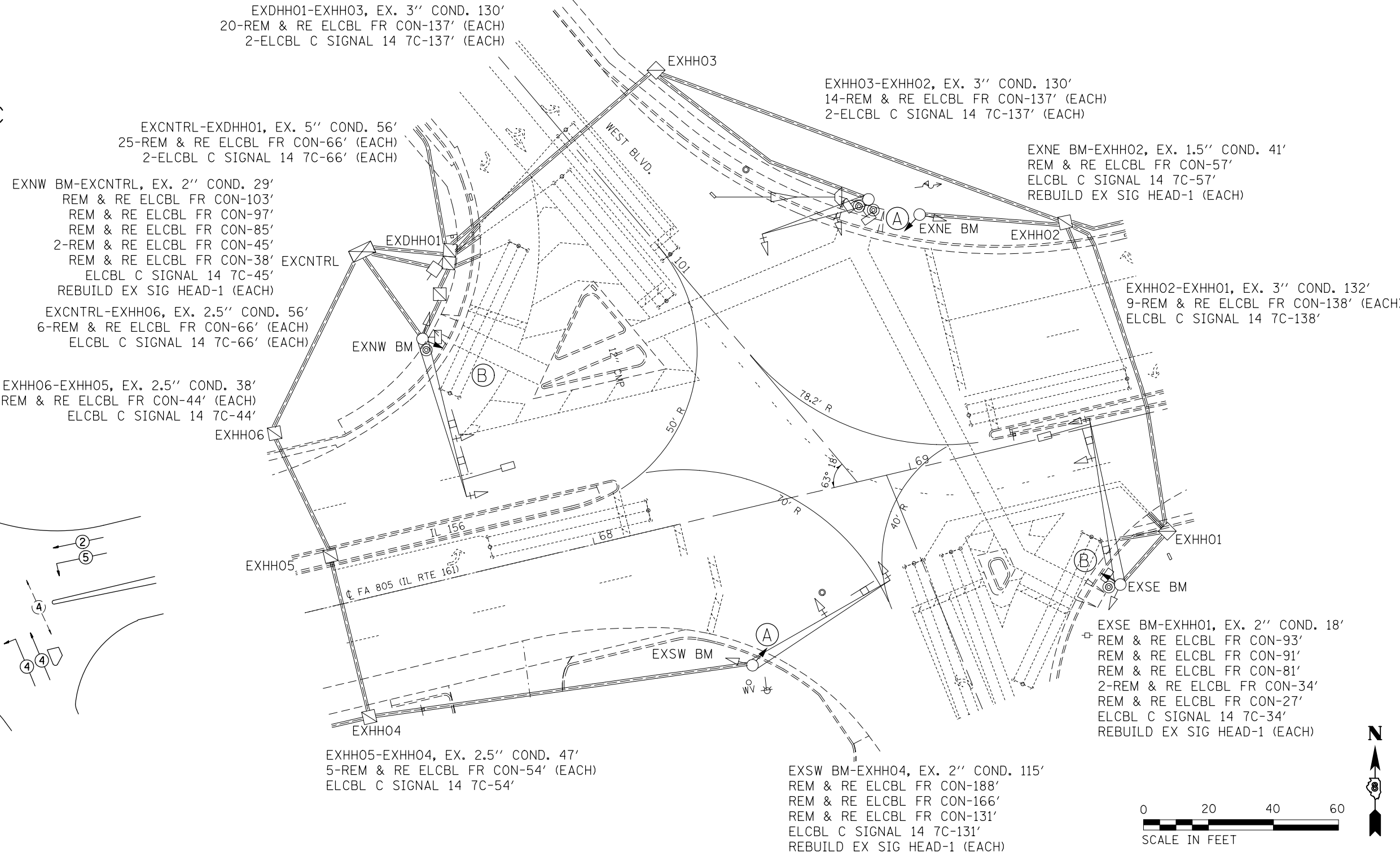


**PROPOSED TRAFFIC SIGNAL FACES**

EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↓	↑	←	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		
	EBLT	WB	SB & SBLT	NB & NBLT	WBLT	EB		

\* PEDESTRIAN SIGNALS ARE PUSH BUTTON ACTUATED  
TRANSCIEVER SHALL BE INTEGRAL PART OF THE CONTROLLER

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

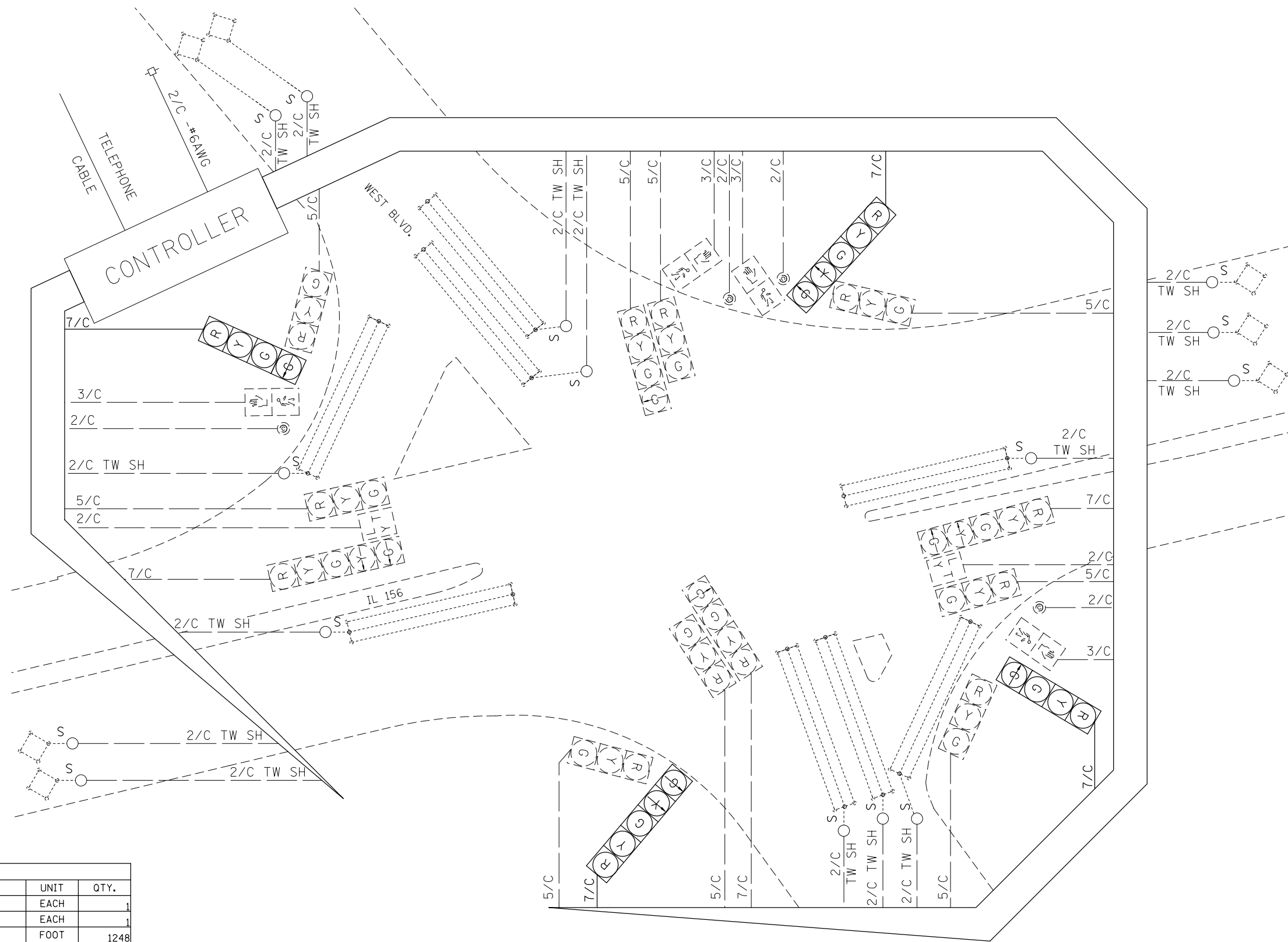


**PHASE DESIGNATION DIAGRAM**



### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1248
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	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	9775

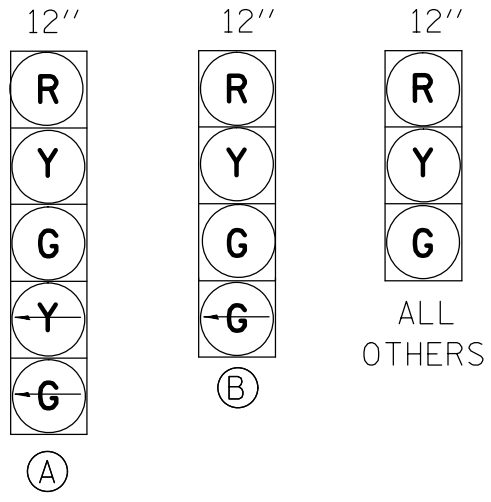
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 161 & WEST (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

●=CLINTON & ST. CLAIR		RTS.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••			116	60
•=VARIOUS		CONTRACT NO. 76J23				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				



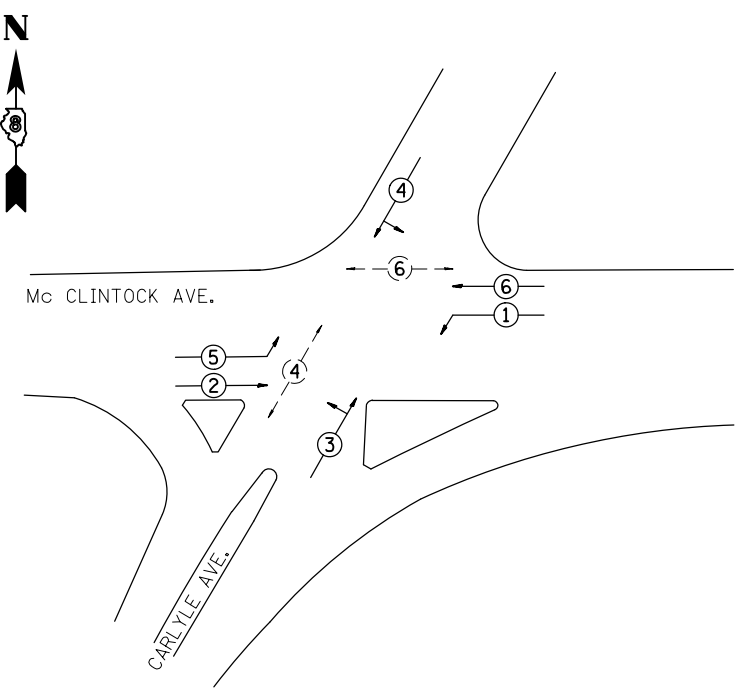
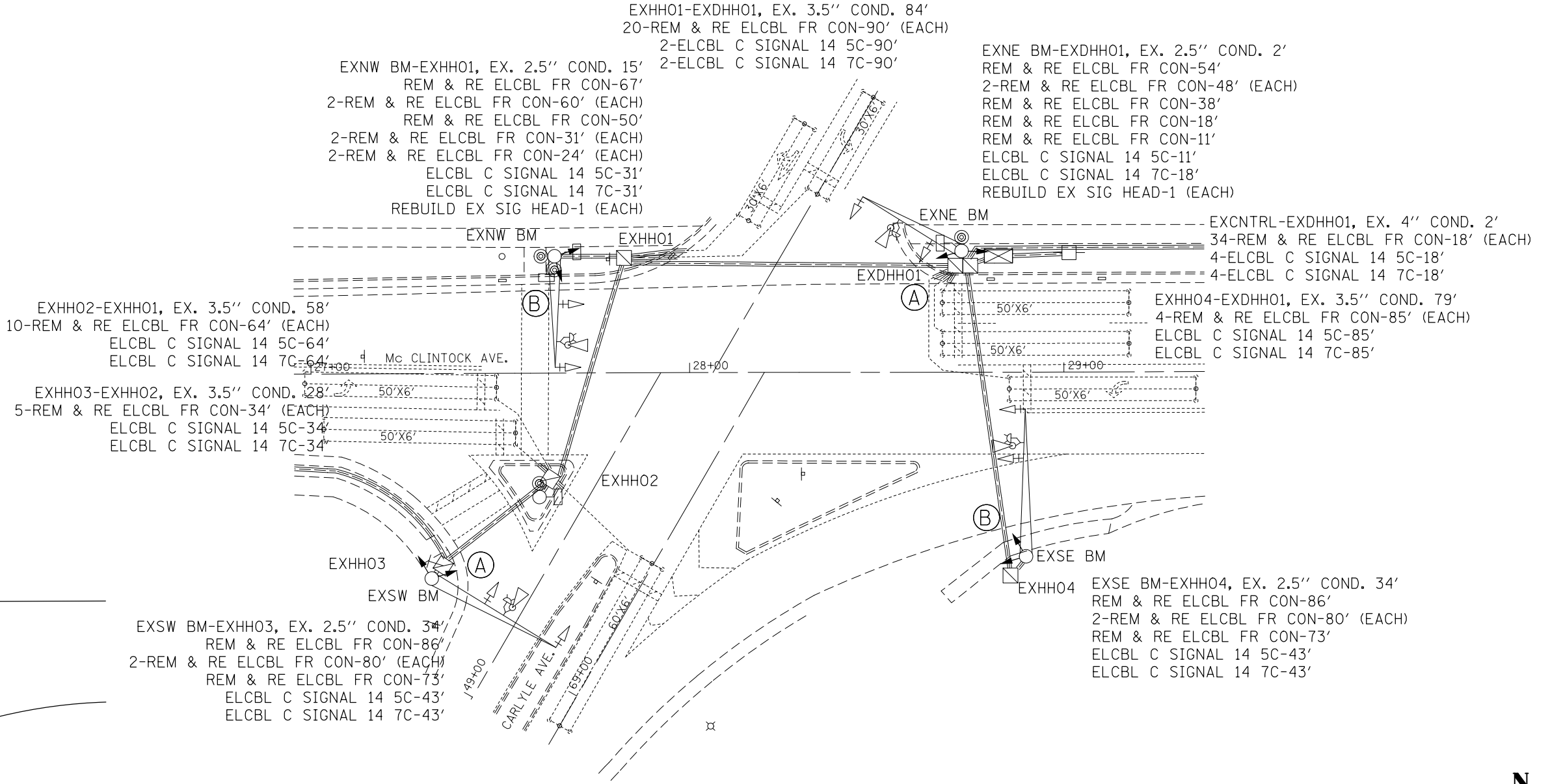
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



SCALE IN FEET

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

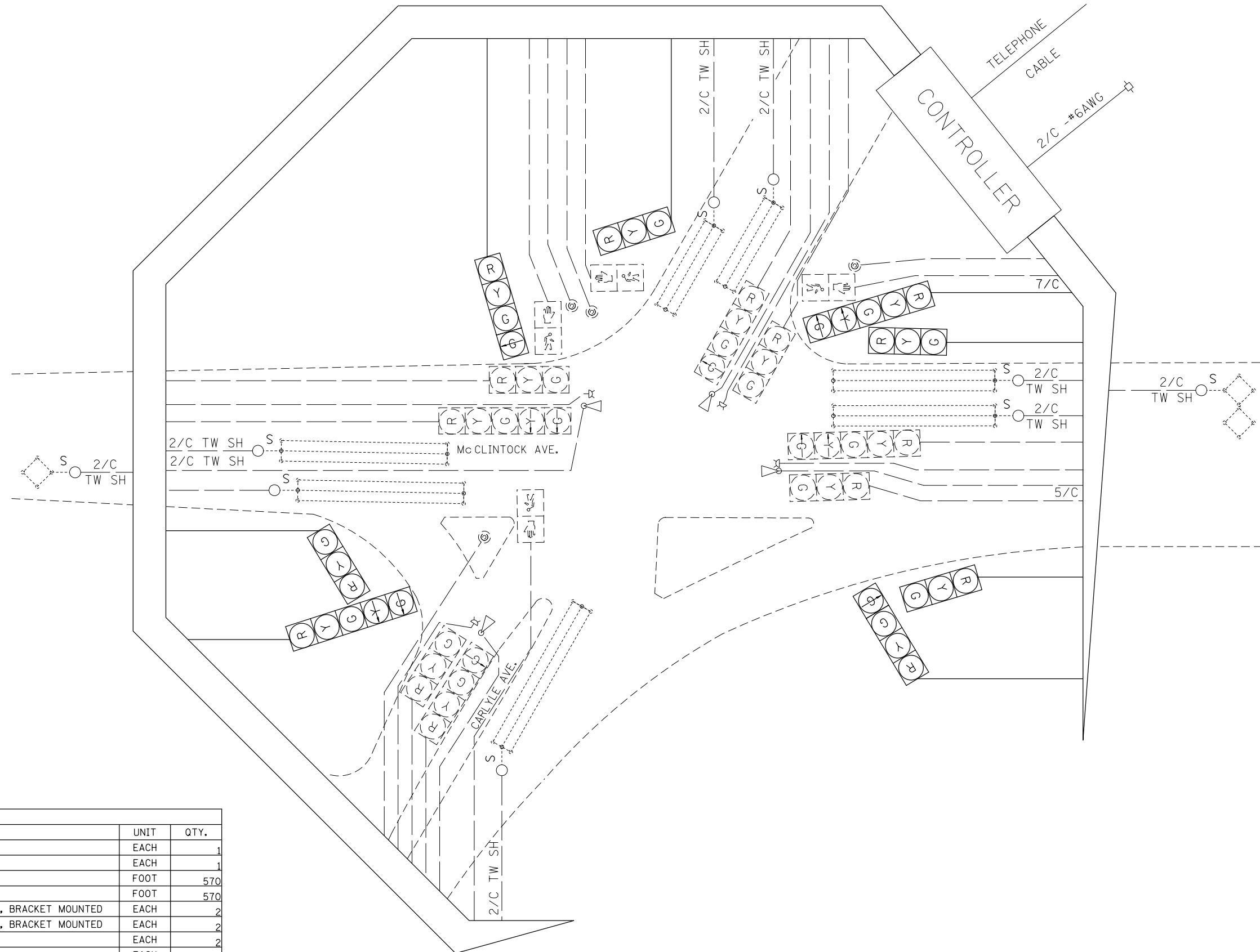
CARLYLE & McCLINTOCK (BELLEVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	61
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	570
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	570
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
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	4765

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CARLYLE & McCLINTOCK (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	62
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

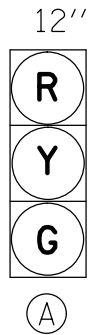
\*\*=CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

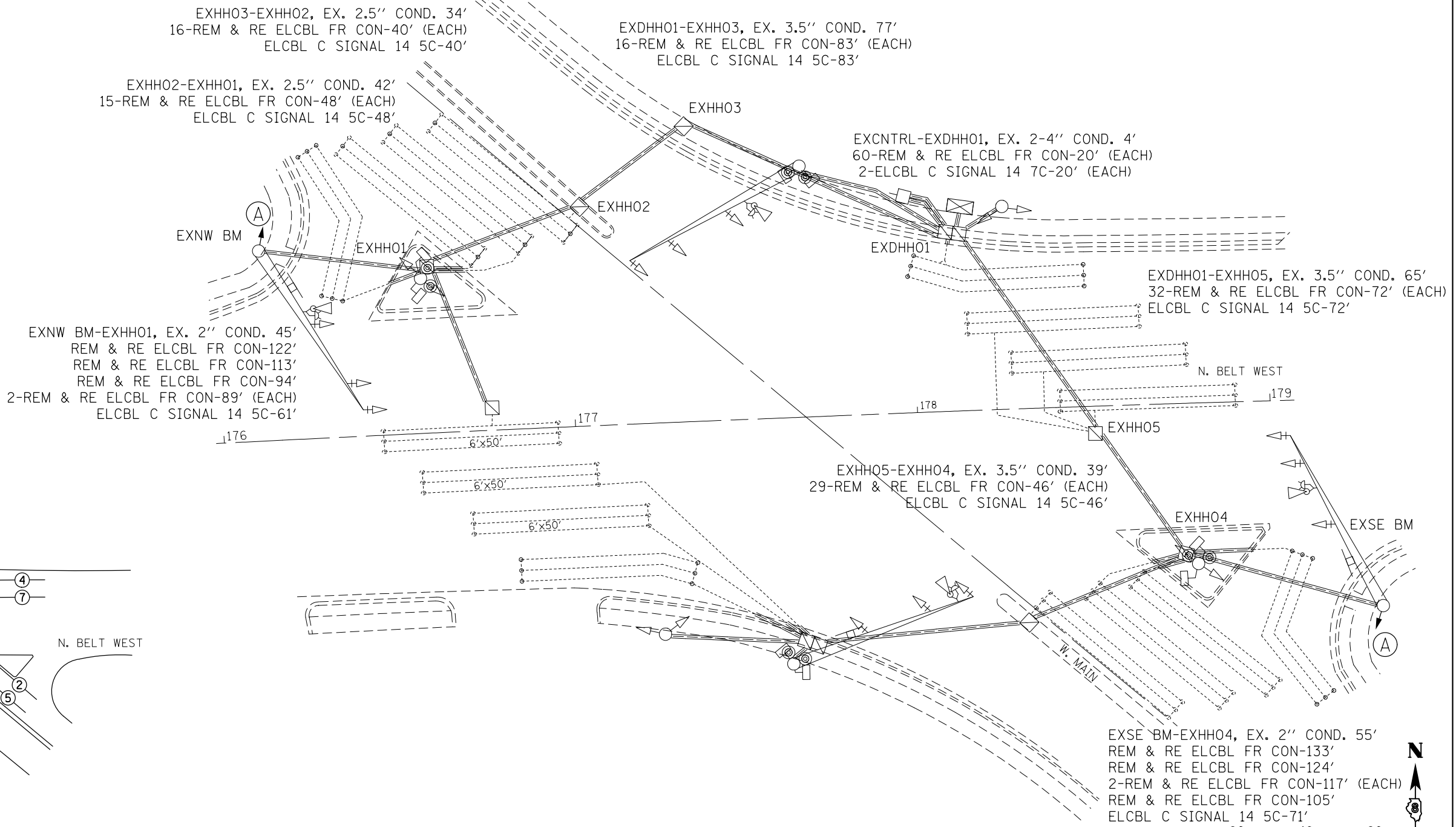
EXISTING FULL-ACTUATED CONTROLLER

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY



PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

N BELT W & W MAIN (BELLEVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

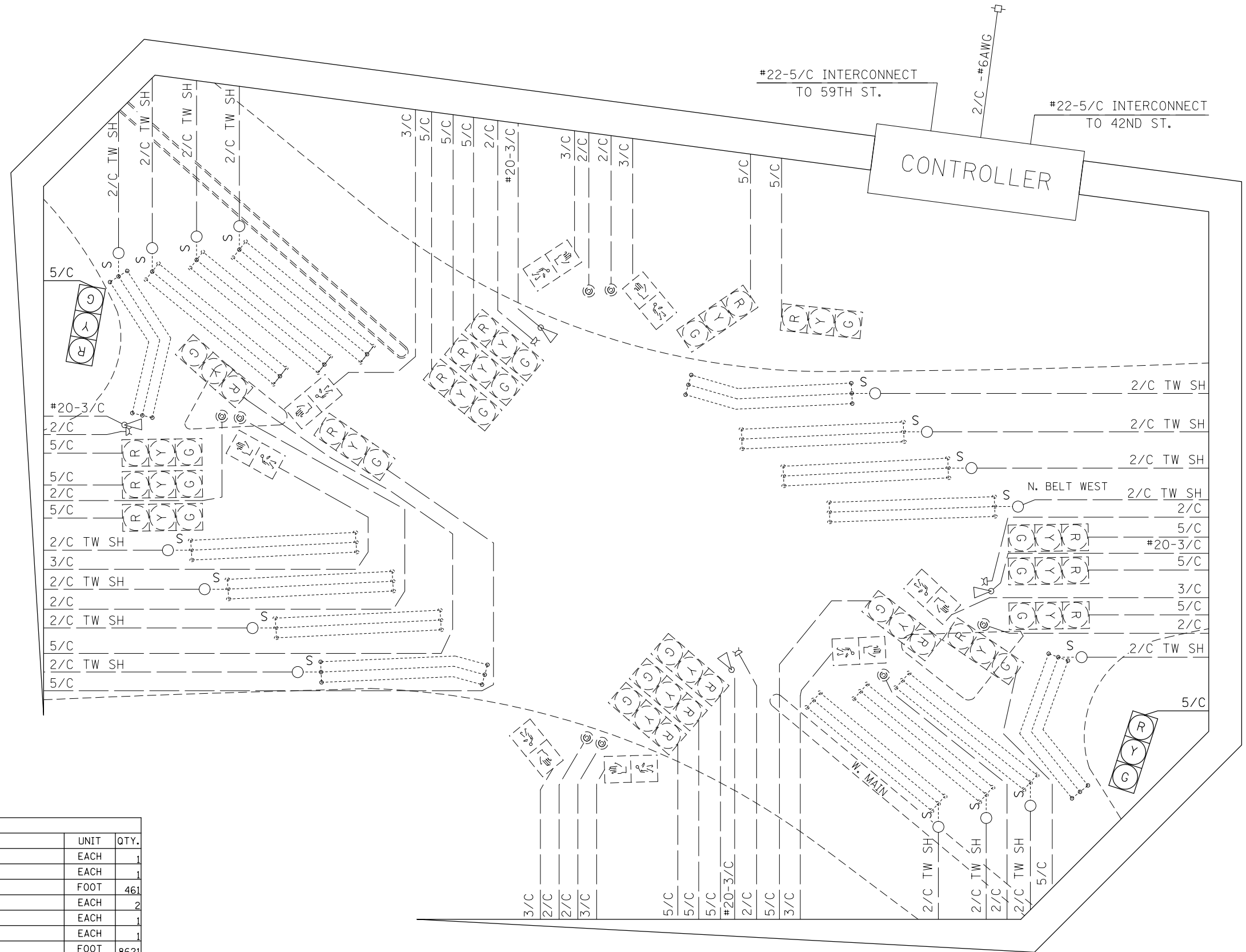
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	63
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	461
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-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	8621

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

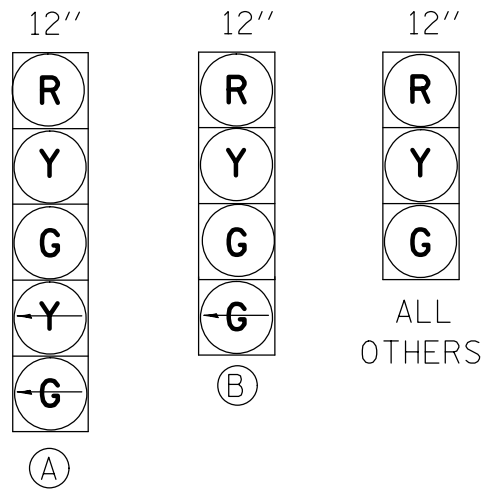
**N BELT W & W MAIN (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	64
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••=CLINTON & ST. CLAIR



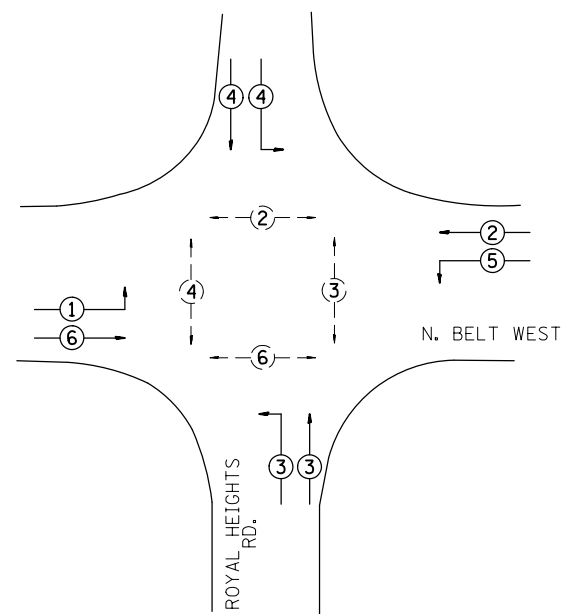


PROPOSED TRAFFIC SIGNAL FACES

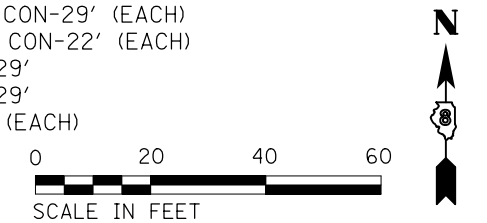
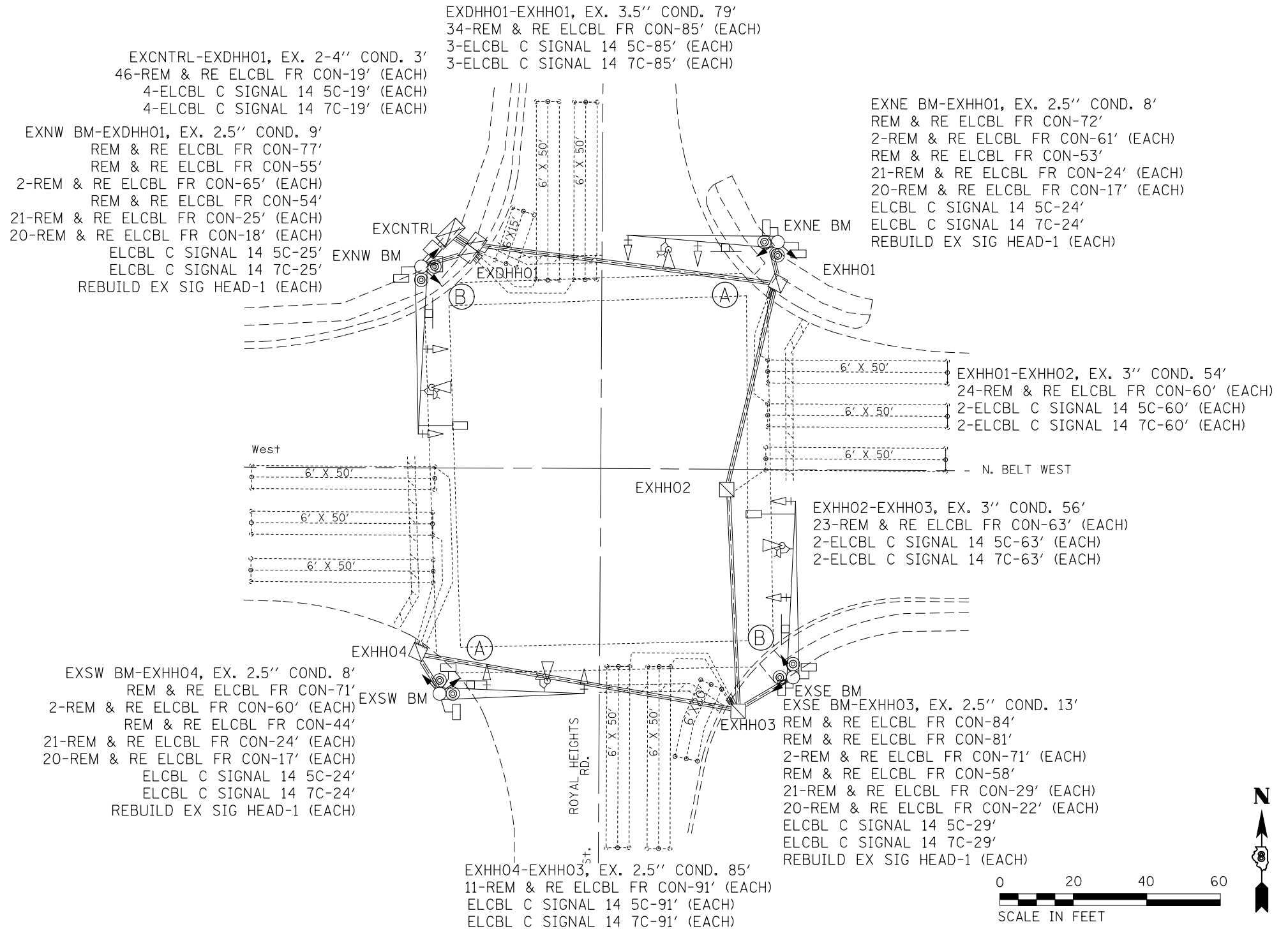
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↑	↓	→	←	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

N BELT W & ROYAL HEIGHTS (BELLEVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

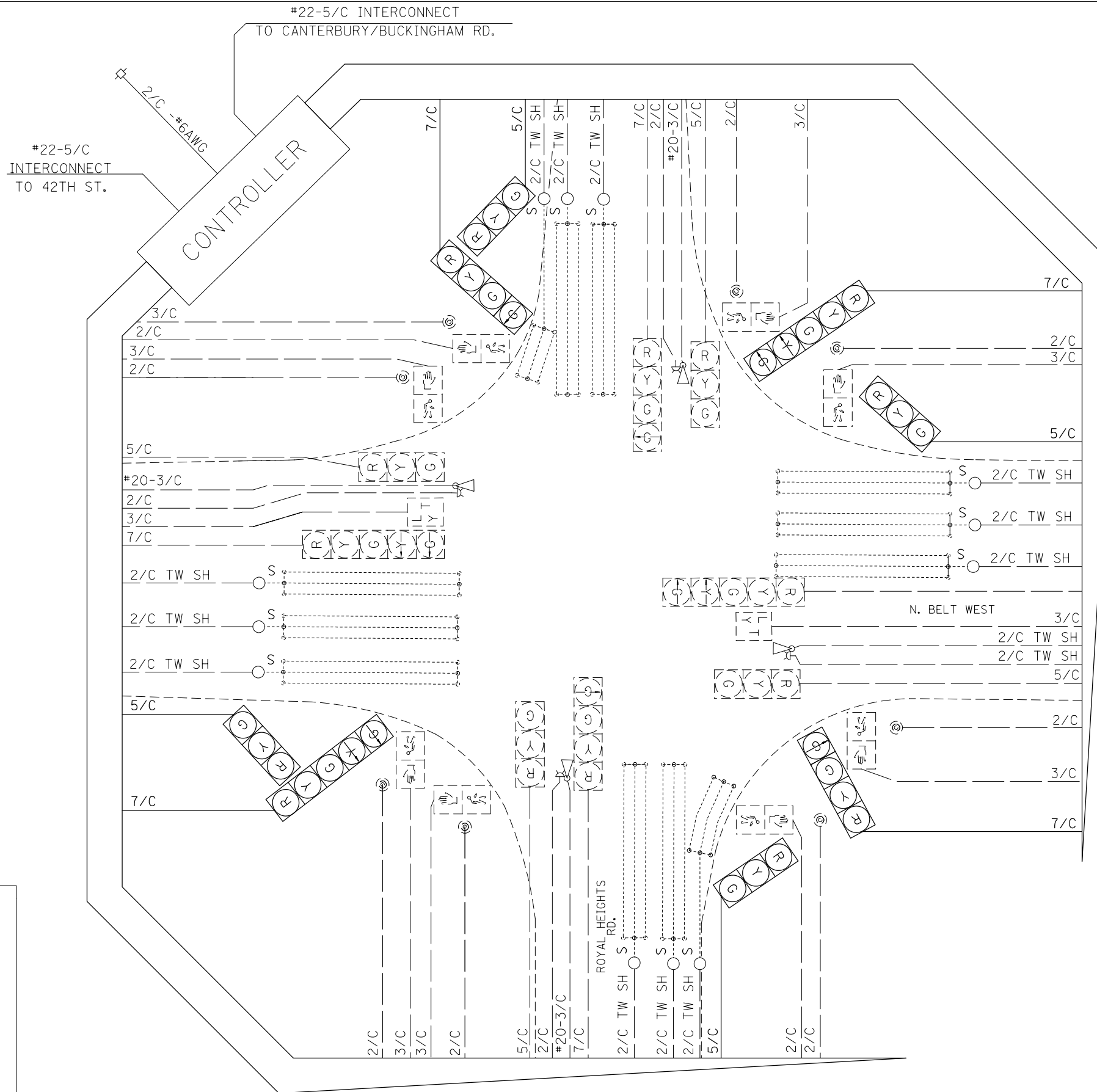
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	65
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7E+07	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
7E+07	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
8.7E+07	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	773
8.7E+07	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	773
8.8E+07	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
8.8E+07	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
9E+07	REBUILD EXISTING SIGNAL HEAD	EACH	4
9E+07	MODIFY EXISTING CONTROLLER	EACH	1
9E+07	MODIFY EXISTING CONTROLLER CABINET	EACH	1
9E+07	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	9205

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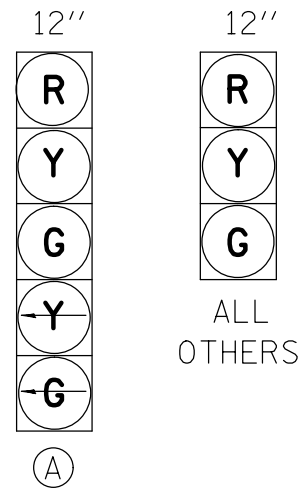
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**N BELT W & ROYAL HEIGHTS (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	66
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

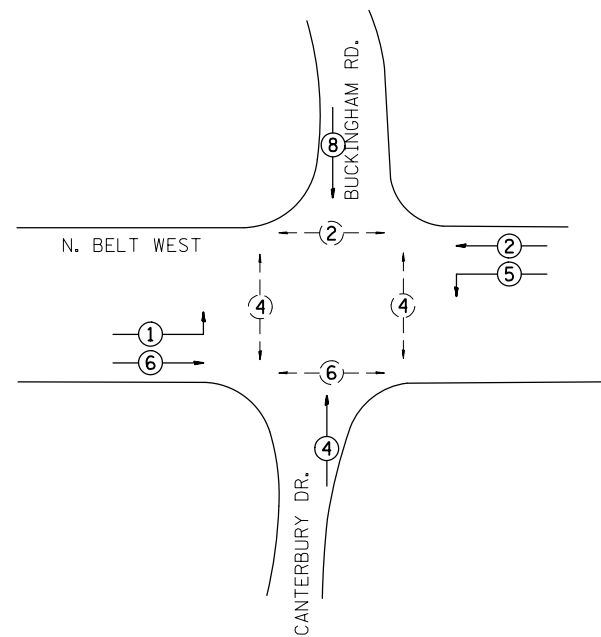


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	NOT USED	↑↓*	←	→	NOT USED	↑↓
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXNW BM-EXDHH01, EX. 2.5" COND. 7'  
 REM & RE ELCBL FR CON-65'  
 REM & RE ELCBL FR CON-42'  
 3-REM & RE ELCBL FR CON-23' (EACH)  
 2-REM & RE ELCBL FR CON-16' (EACH)  
 ELCBL C SIGNAL 14 5C-23'  
 REBUILD EX SIG HEAD-1 (EACH)

EXDHH01-EXHH03, EX. 3.5" COND. 39'  
 20-REM & RE ELCBL FR CON-46' (EACH)  
 2-ELCBL C SIGNAL 14 5C-46' (EACH)  
 ELCBL C SIGNAL 14 7C-46' (EACH)

EXHH03-EXHH02, EX. 3.5" COND. 49'  
 17-REM & RE ELCBL FR CON-55' (EACH)  
 2-ELCBL C SIGNAL 14 5C-55' (EACH)  
 ELCBL C SIGNAL 14 7C-55' (EACH)

EXNE BM-EXHH04, EX. 2" COND. 5'  
 3-REM & RE ELCBL FR CON-21' (EACH)  
 2-REM & RE ELCBL FR CON-14' (EACH)  
 ELCBL C SIGNAL 14 5C-21'  
 ELCBL C SIGNAL 14 7C-21'  
 REBUILD EX SIG HEAD-1 (EACH)

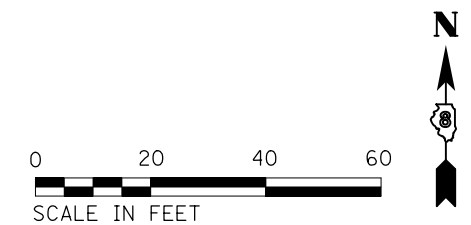
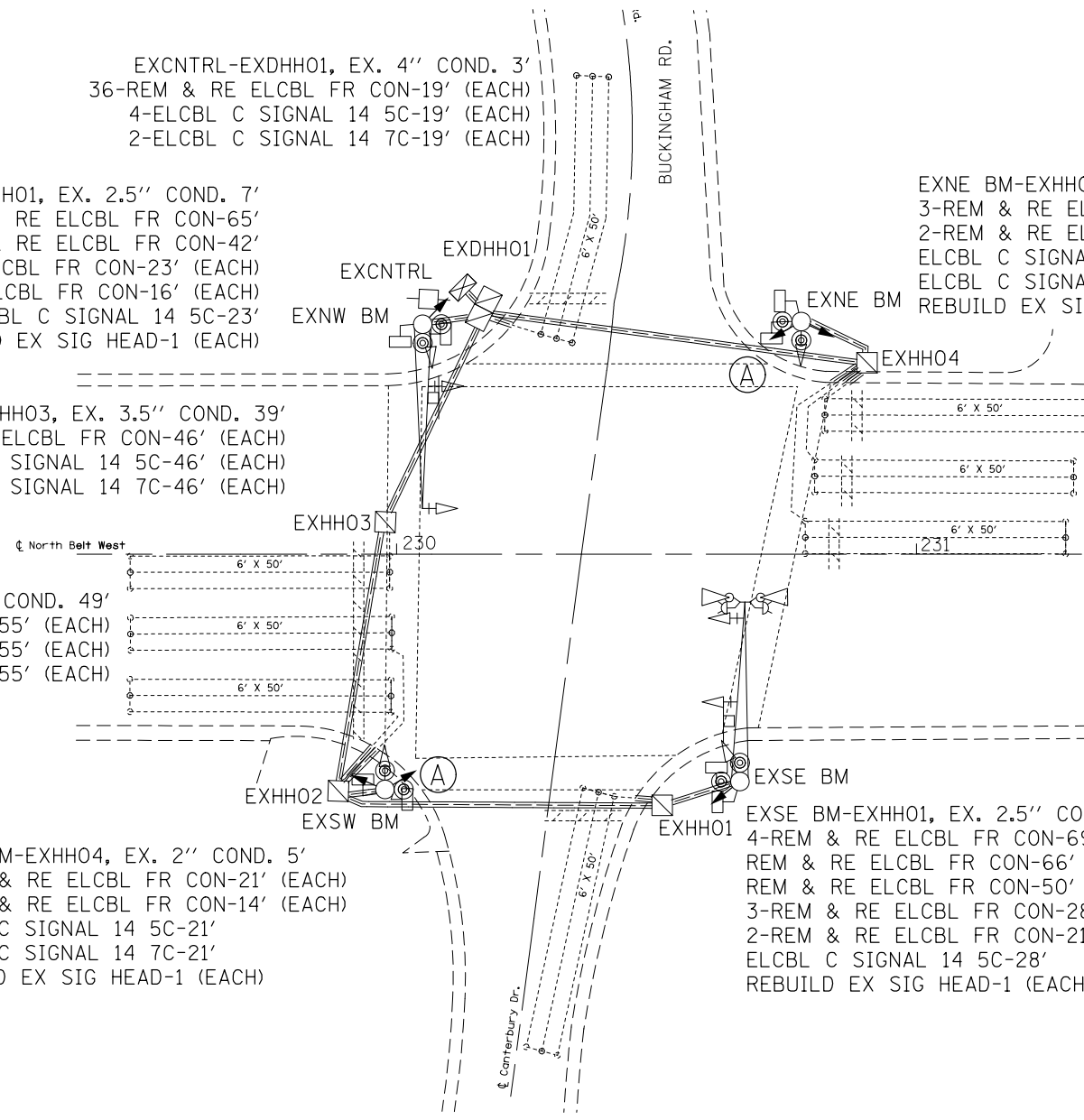
EXHH01-EXHH02, EX. 2.5" COND. 59'  
 12-REM & RE ELCBL FR CON-65' (EACH)  
 ELCBL C SIGNAL 14 5C-65' (EACH)  
 ELCBL C SIGNAL 14 7C-65' (EACH)

EXHH04-EXDHH01, EX. 2.5" COND. 71'  
 8-REM & RE ELCBL FR CON-77' (EACH)  
 ELCBL C SIGNAL 14 5C-77' (EACH)  
 ELCBL C SIGNAL 14 7C-77' (EACH)

EXCNTRL-EXDHH01, EX. 4" COND. 3'  
 36-REM & RE ELCBL FR CON-19' (EACH)  
 4-ELCBL C SIGNAL 14 5C-19' (EACH)  
 2-ELCBL C SIGNAL 14 7C-19' (EACH)

EXNE BM-EXHH04, EX. 2" COND. 5'  
 3-REM & RE ELCBL FR CON-21' (EACH)  
 2-REM & RE ELCBL FR CON-14' (EACH)  
 ELCBL C SIGNAL 14 5C-21'  
 ELCBL C SIGNAL 14 7C-21'  
 REBUILD EX SIG HEAD-1 (EACH)

EXSE BM-EXHH01, EX. 2.5" COND. 12'  
 4-REM & RE ELCBL FR CON-69'  
 REM & RE ELCBL FR CON-66'  
 REM & RE ELCBL FR CON-50'  
 3-REM & RE ELCBL FR CON-28' (EACH)  
 2-REM & RE ELCBL FR CON-21' (EACH)  
 ELCBL C SIGNAL 14 5C-28'  
 REBUILD EX SIG HEAD-1 (EACH)



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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

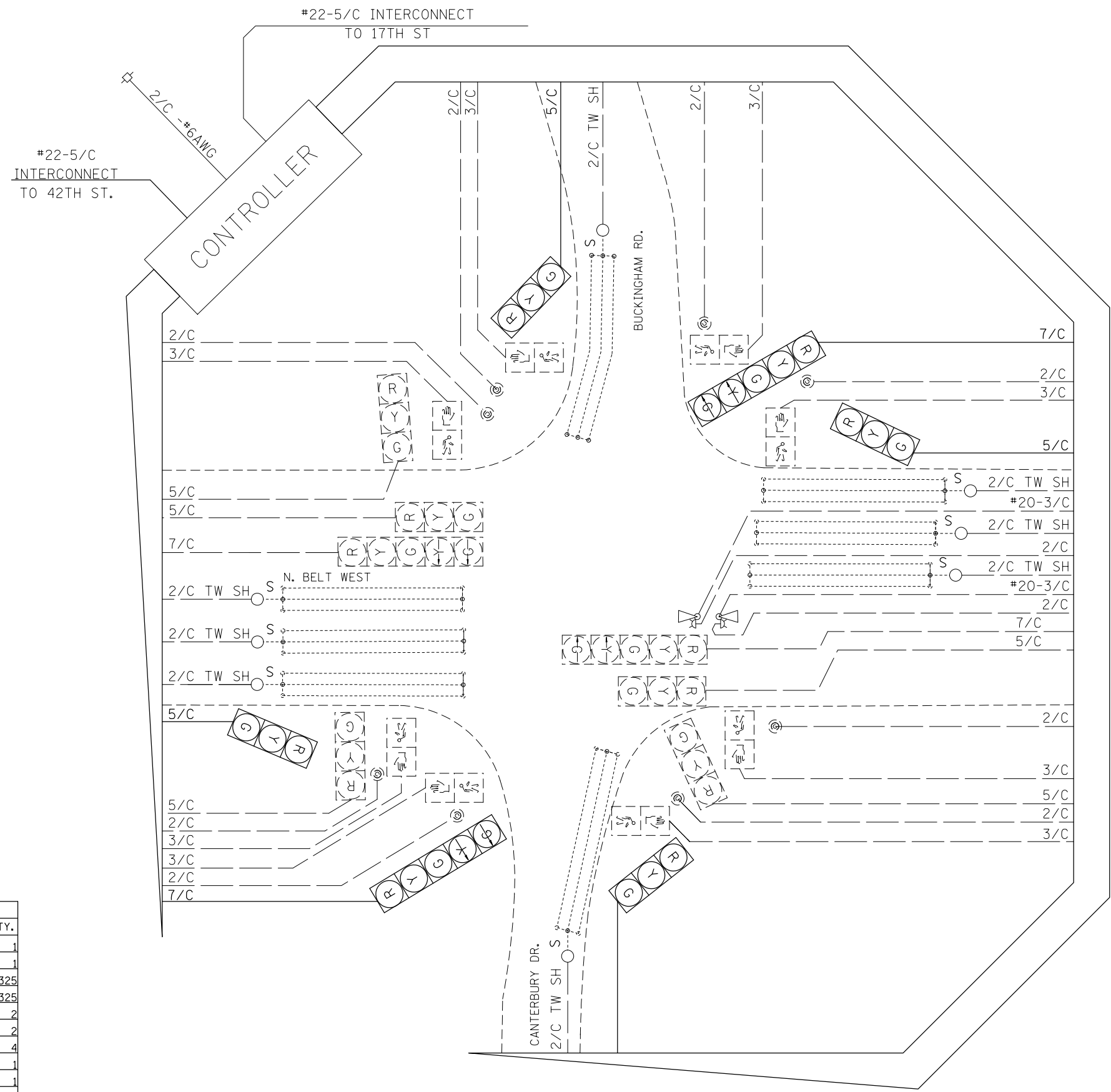
N BELT W & BUCKINGHAM (BELLEVILLE, ST. CLAIR CNTY.)			
TRAFFIC SIGNAL PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	67
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
7010264	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
8730124	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	325
8730125	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	325
8804007	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
8804026	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
8950210	REBUILD EXISTING SIGNAL HEAD	EACH	4
8950220	MODIFY EXISTING CONTROLLER	EACH	1
8950221	MODIFY EXISTING CONTROLLER CABINET	EACH	1
8950235	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4862

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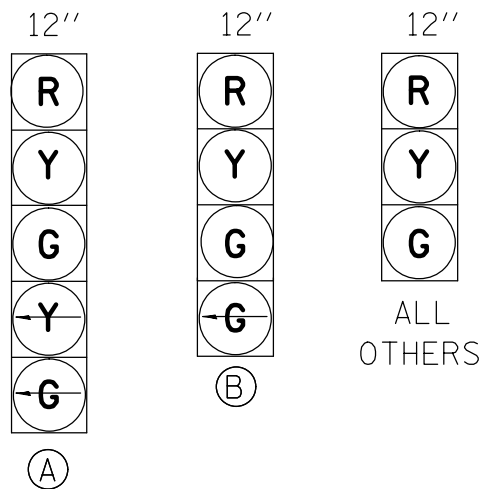
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**N BELT W & BUCKINGHAM (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	68
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

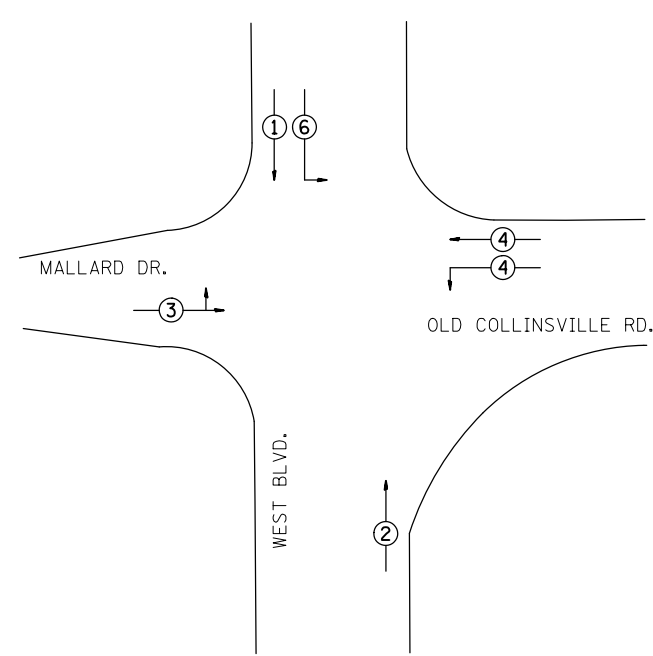
••=CLINTON & ST. CLAIR



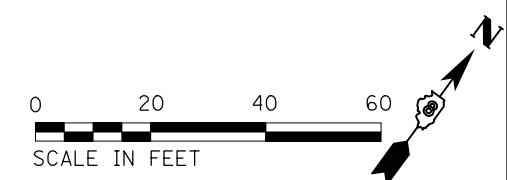
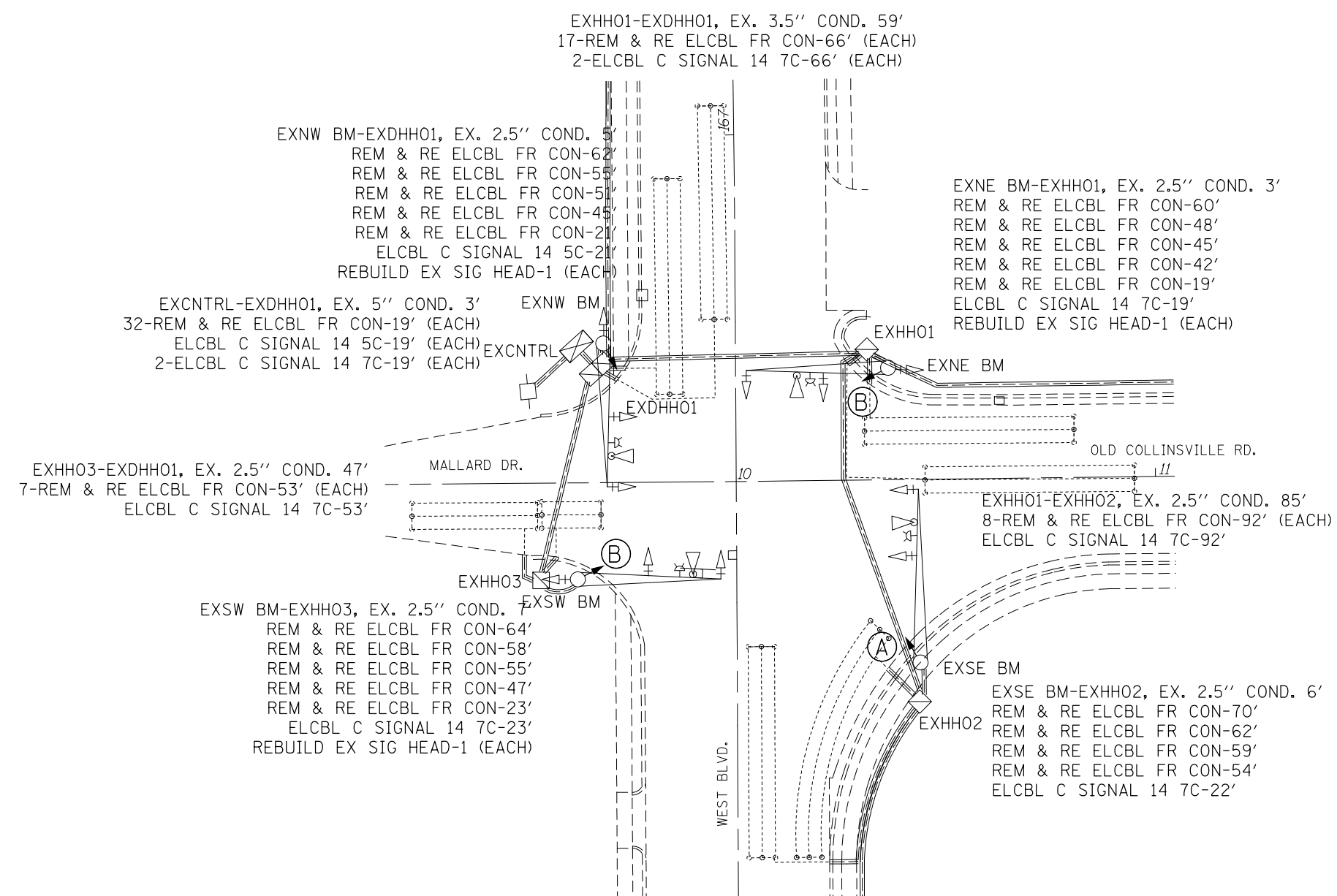
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↓	↑	↔	↔	NOT USED	⊥	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	2	1	NONE	NONE		1 OR 2		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

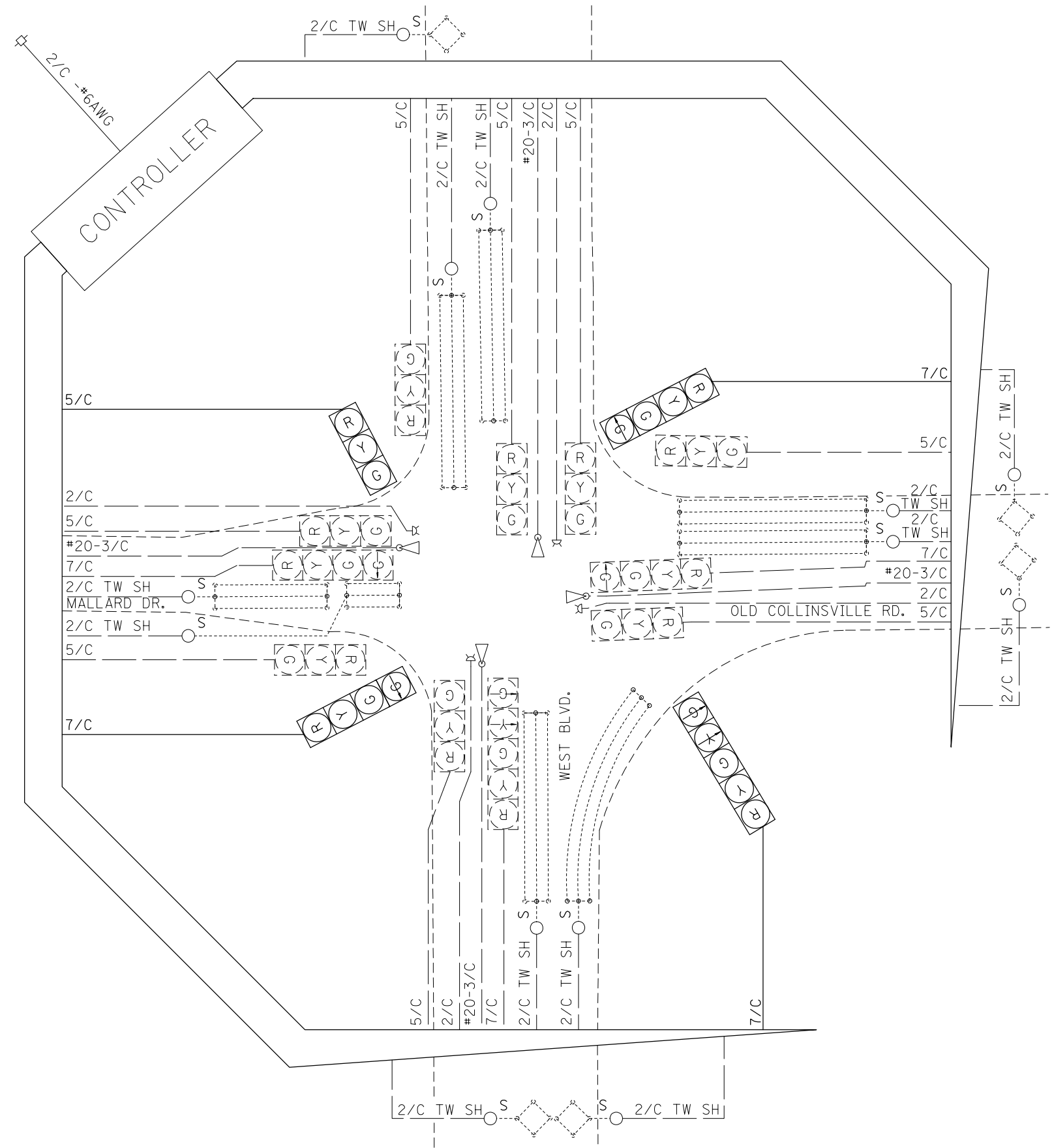
WEST BLVD. & OLD COLLINSVILLE (BELLEVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	69
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



#### 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	40
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	379
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	2
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	3783

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

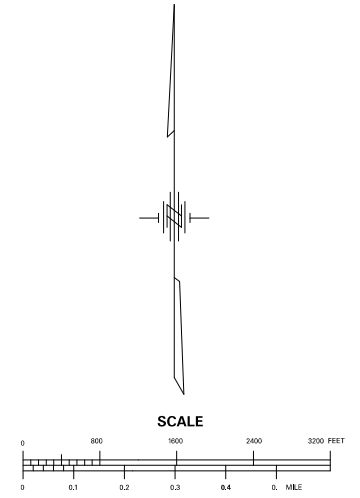
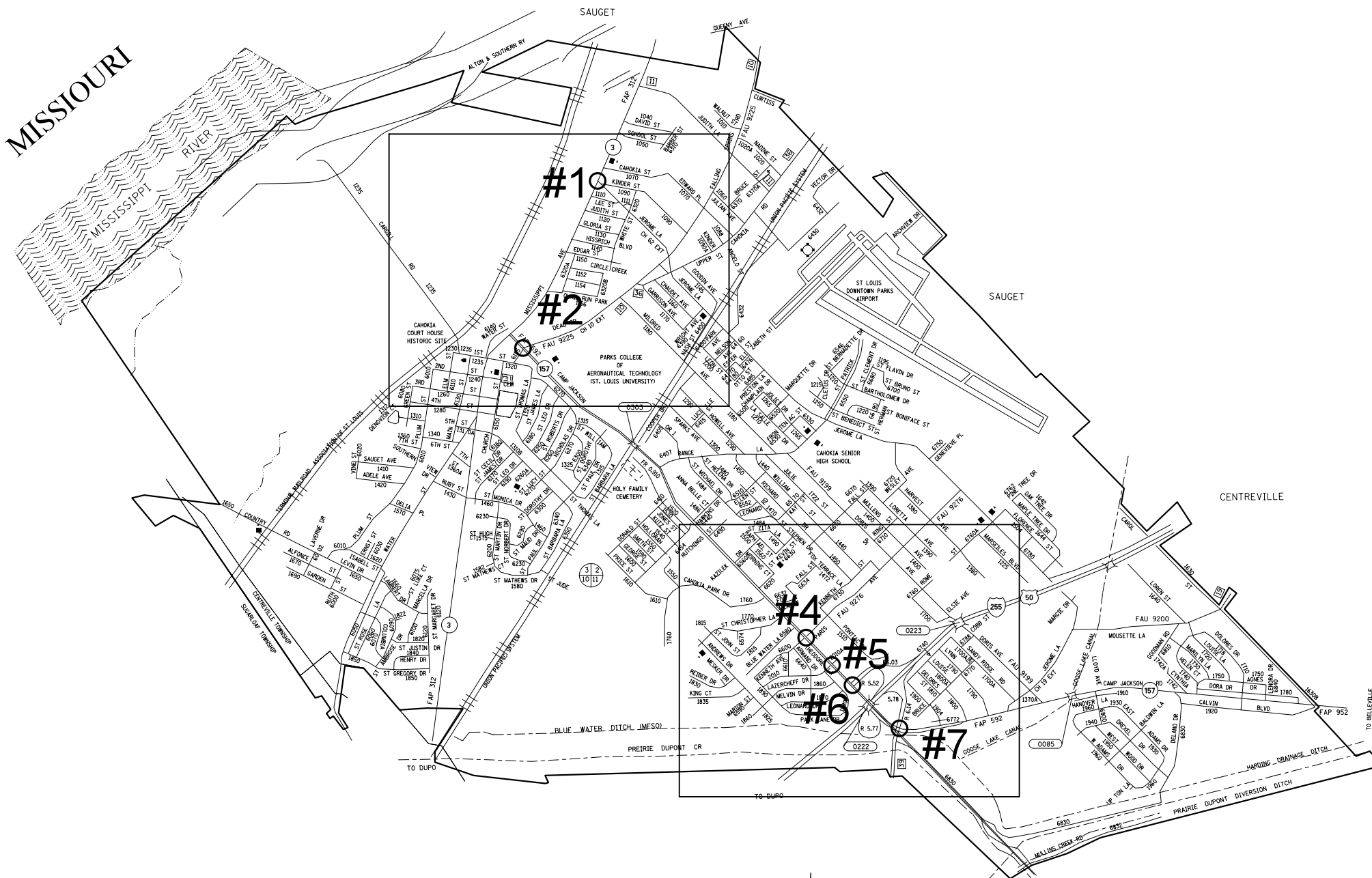
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WEST & OLD COLLINSVILLE (BELLEVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

***CLINTON & ST. CLAIR		ROUTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••			116	70
••=VARIOUS		CONTRACT NO. 76J23				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				

MISSOURI RIVER



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

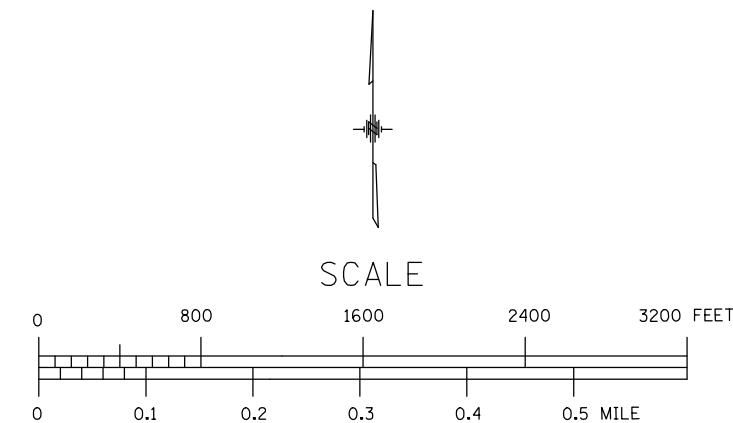
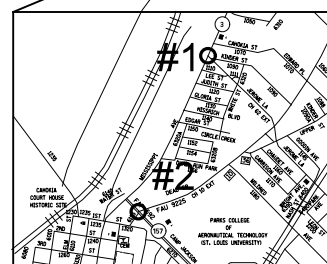
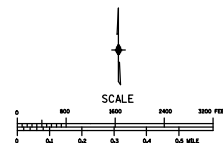
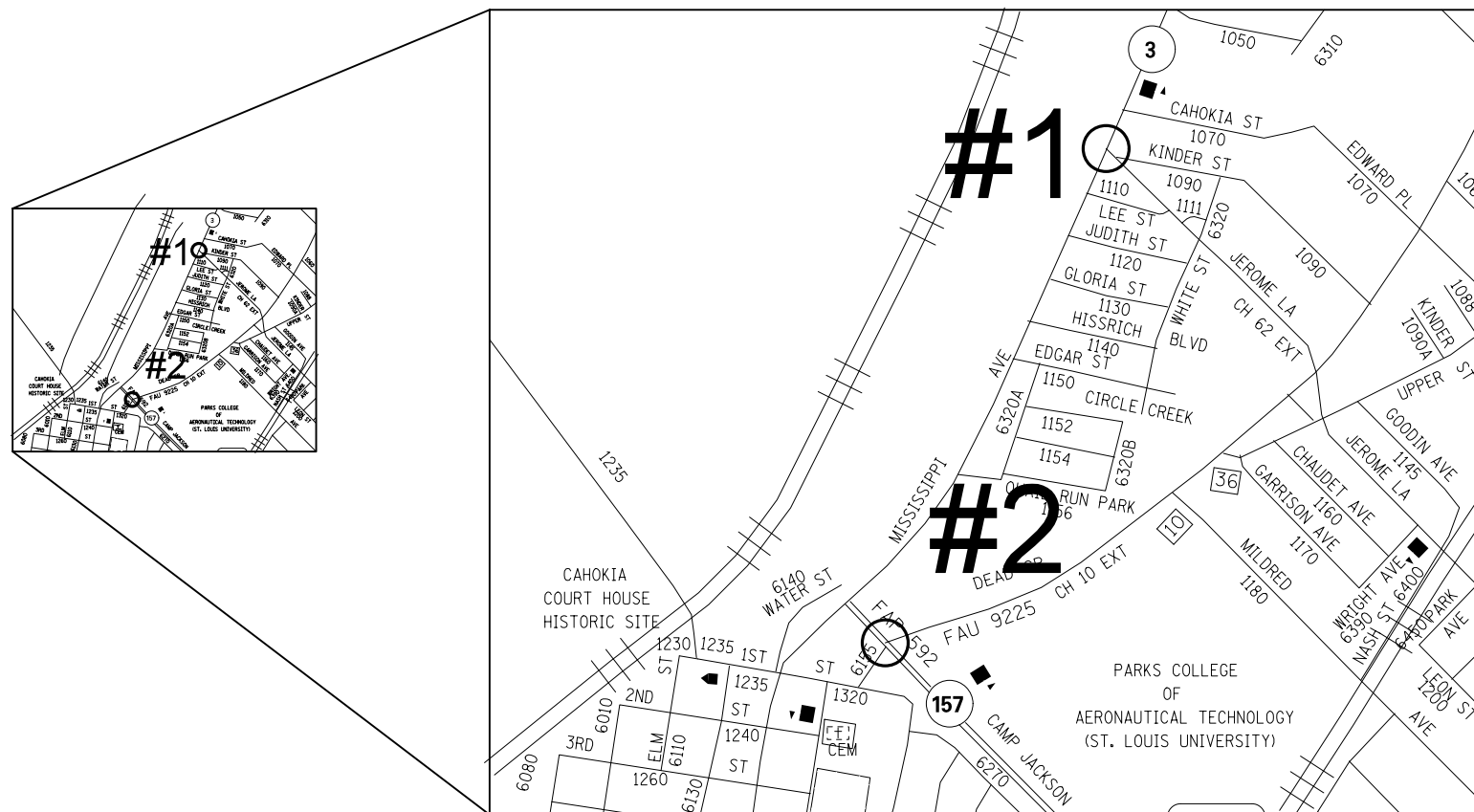
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

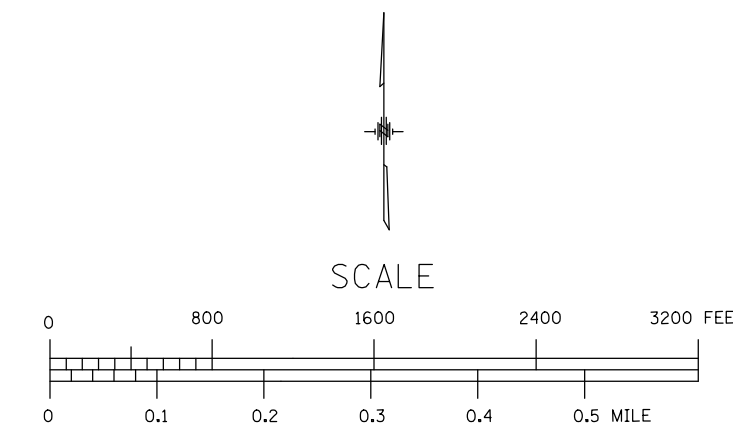
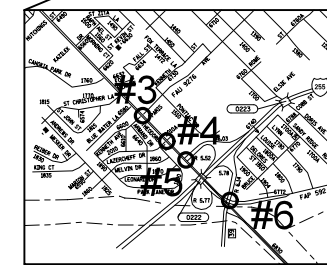
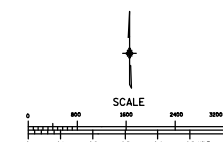
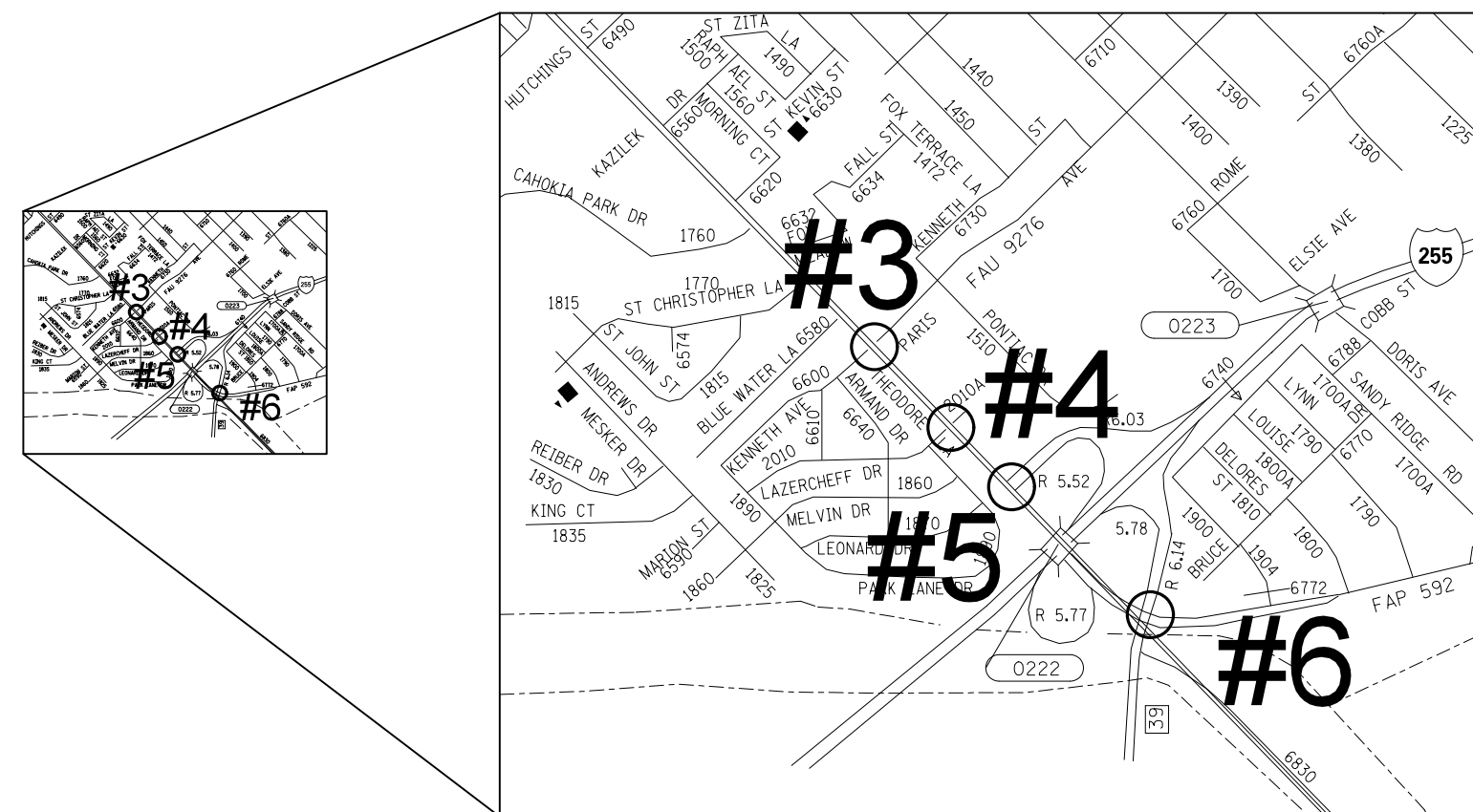
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	71
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

#1 IL 3 & JEROME LANE  
#2 IL 157 & FALLING SPRING



#3 IL 157 & KENNETH  
#4 IL 157 & LAZERCHEFF  
#5 IL 157 & IL 255 W JCT  
#6 IL 157 & IL 255 E JCT



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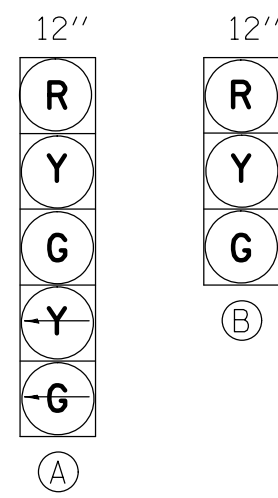
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

**=CLINTON & ST. CLAIR				
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-2	**	116	72
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

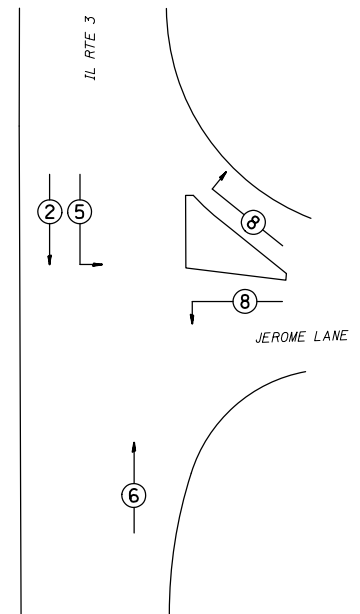


SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

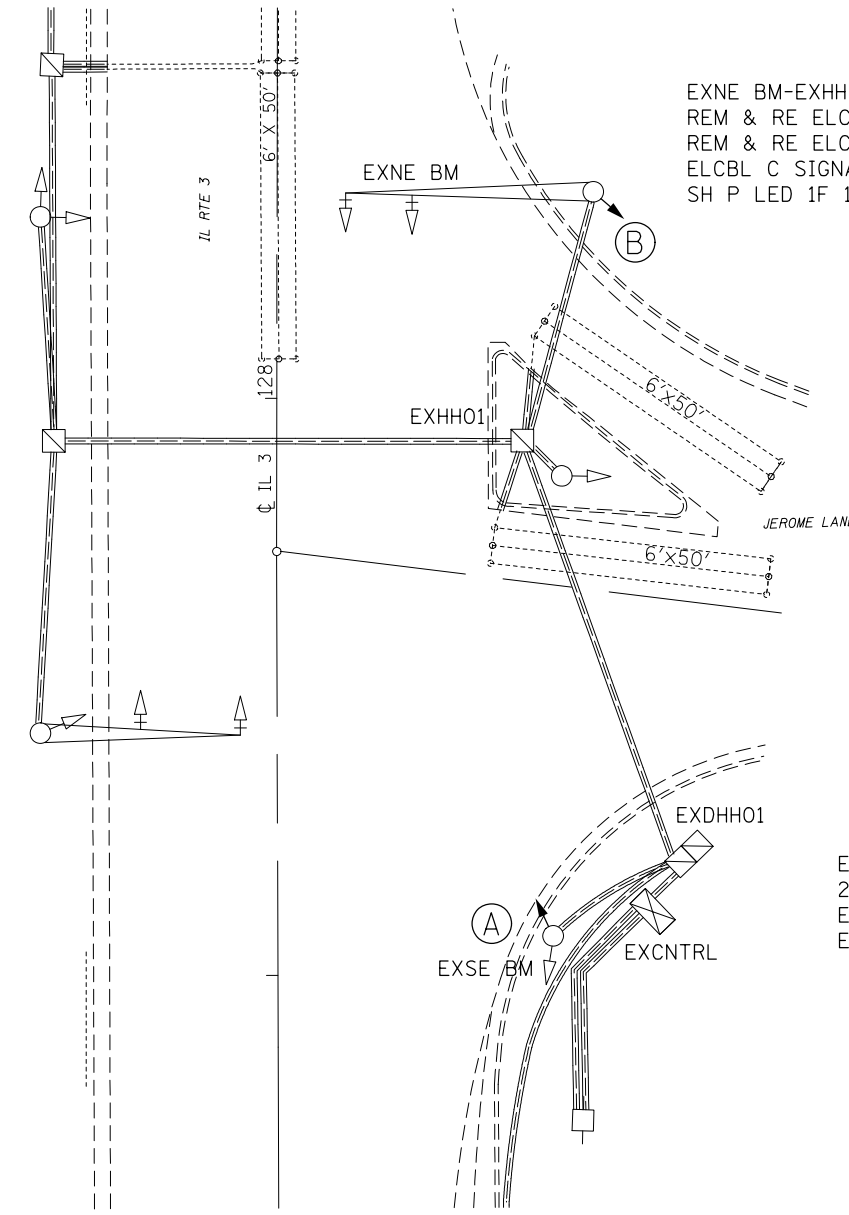


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	↓	NOT USED	NOT USED	⊥	↑	NOT USED	⊥
CONCURRENT MOVEMENT PERMITTED		5 OR 6			2	2		NONE



PHASE DESIGNATION DIAGRAM

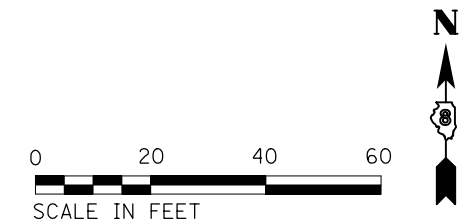


EXNE BM-EXHH01, EX. 2" COND. 41'  
 REM & RE ELCBL FR CON-107'  
 REM & RE ELCBL FR CON-95'  
 ELCBL C SIGNAL 14 5C-57'  
 SH P LED 1F 1-3 BM-1' (EACH)

EXHH01-EXDHH01, EX. 5" COND. 74'  
 20-REM & RE ELCBL FR CON-81' (EACH)  
 ELCBL C SIGNAL 14 5C-81'

EXDHH01-EXCNTRL, EX. 5" COND. 6'  
 21-REM & RE ELCBL FR CON-22' (EACH)  
 ELCBL C SIGNAL 14 5C-22'  
 ELCBL C SIGNAL 14 7C-22'

EXSE BM-EXDHH01, EX. 1.5" COND. 22'  
 REM & RE ELCBL FR CON-38'  
 ELCBL C SIGNAL 14 7C-38'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1' (EACH)



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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 3 & JEROME LANE (CAHOKIA, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

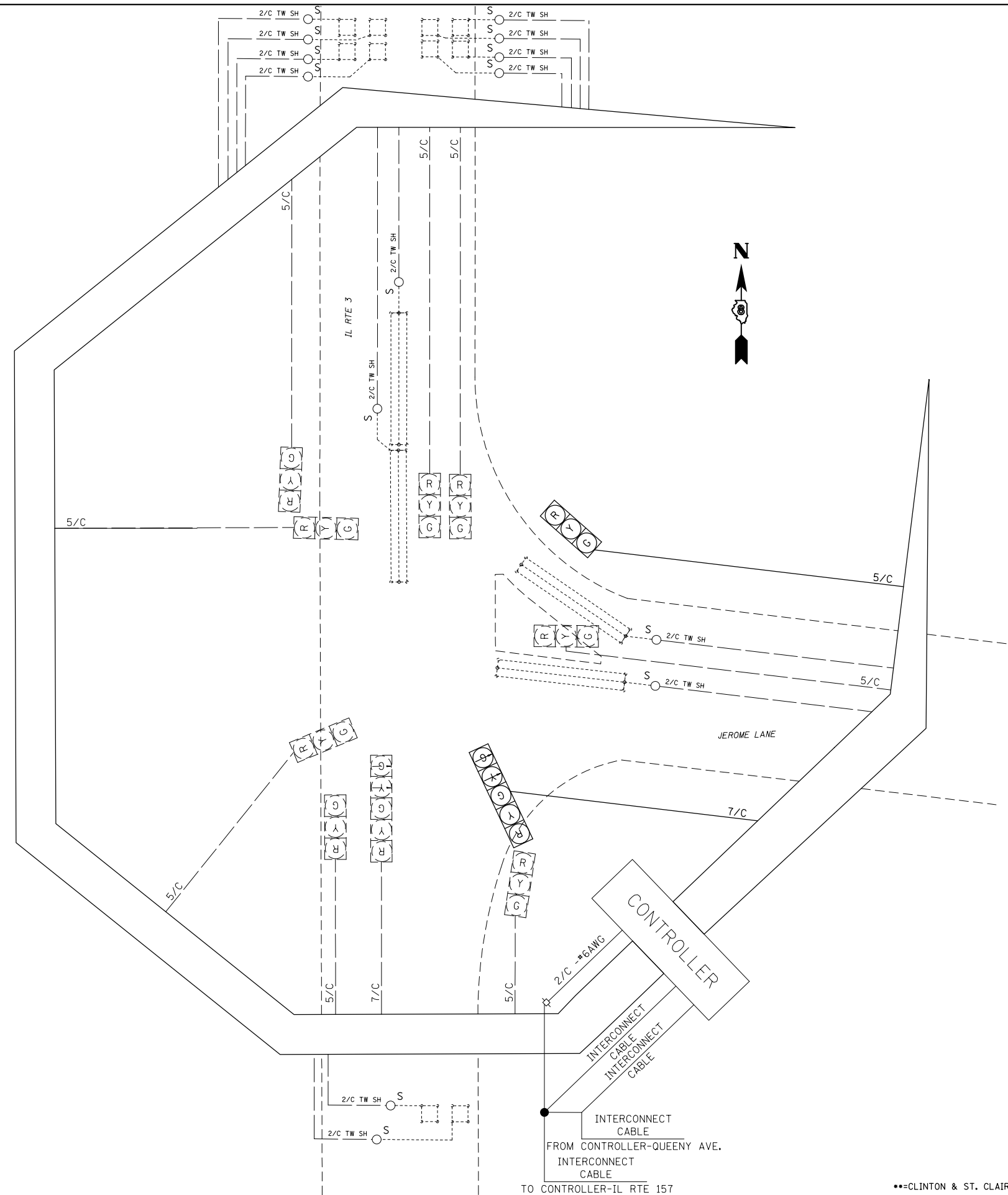
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	73
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



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	159
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	60
88040707	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
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502330	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2312

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

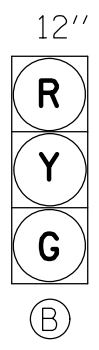
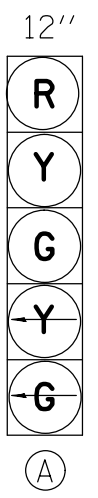
**IL 3 & JEROME LANE (CAHOKIA, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	74
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

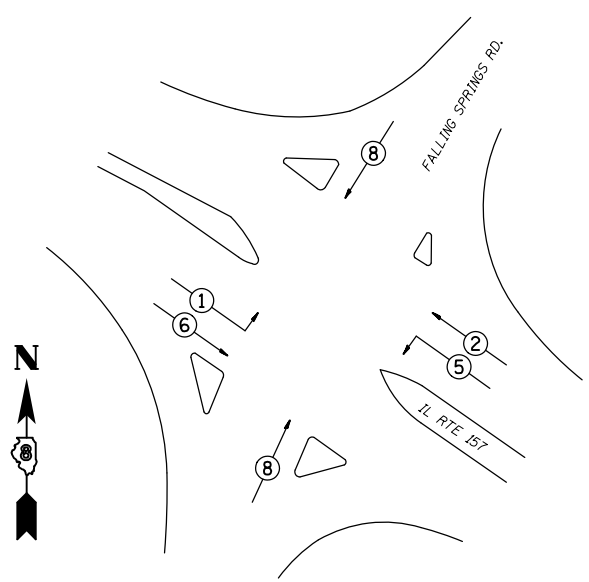
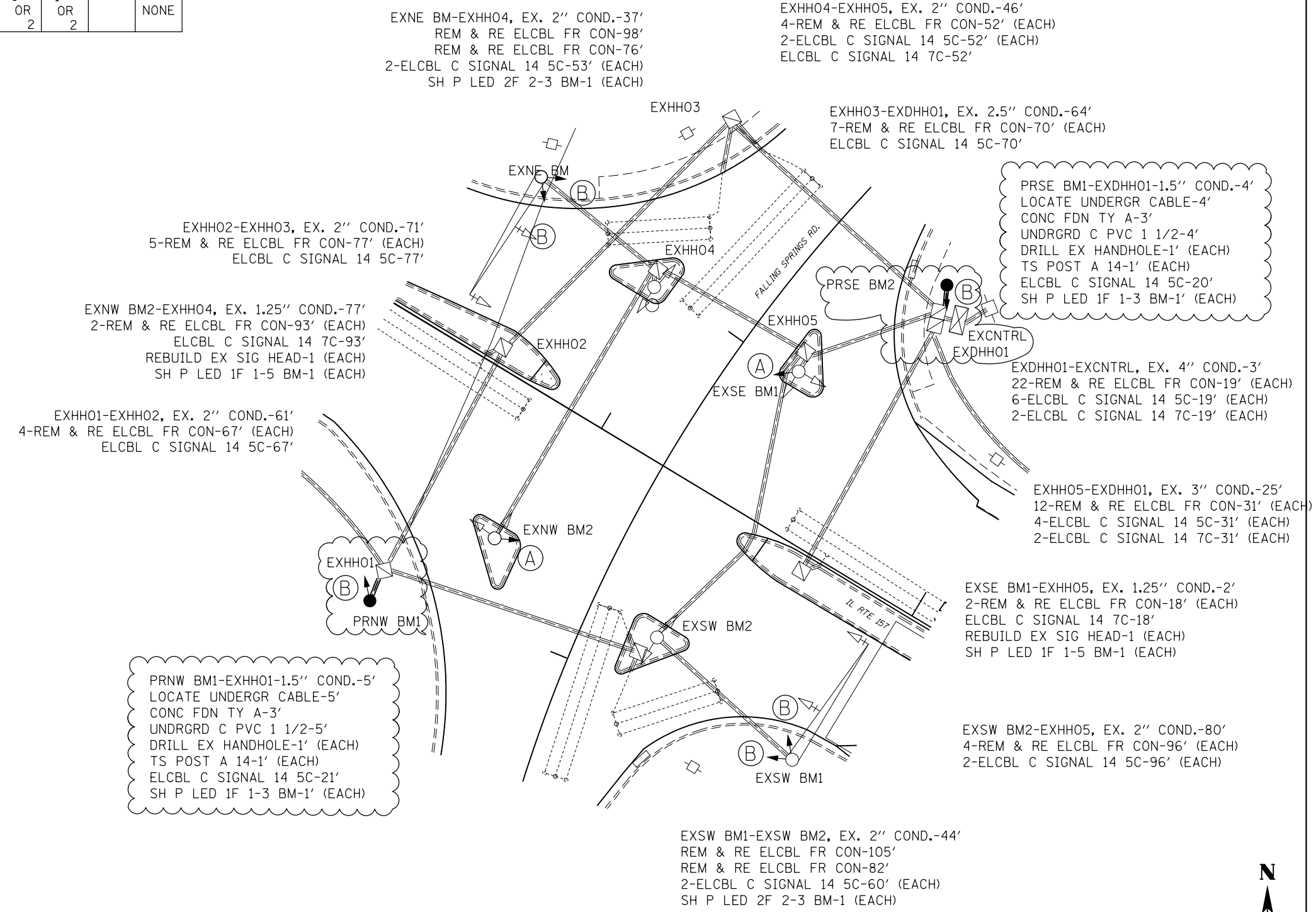
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



EXISTING FULL-ACTUATED CONTROLLER

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

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 157 & FALLING SPRINGS (CAHOKIA, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

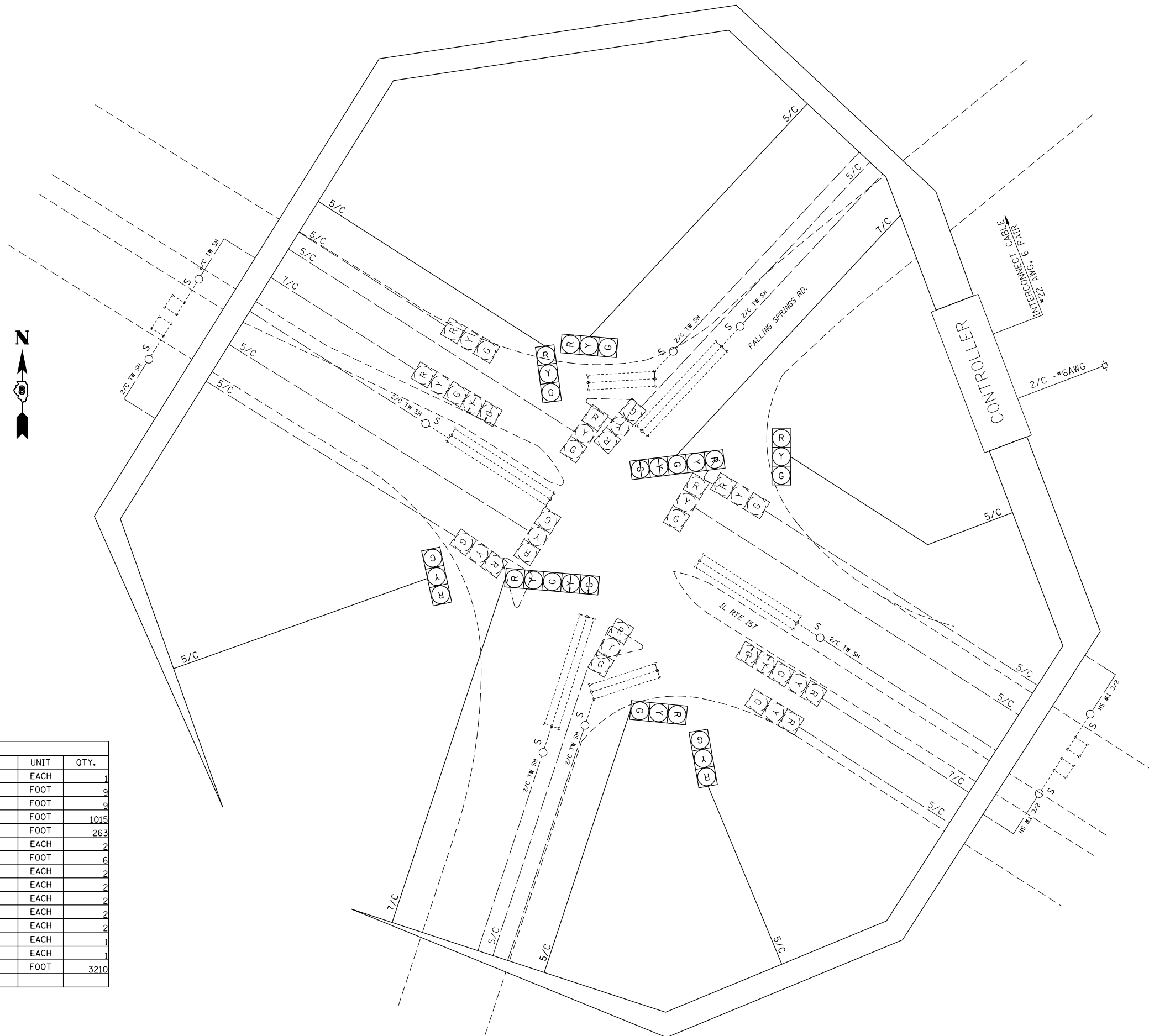
SCALE: SHEET NO. OF SHEETS STA. TO STA.

\*\*\*CLINTON & ST. CLAIR

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-2	**	116	75
*VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	9
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	9
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1015
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	263
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	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-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	3210

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

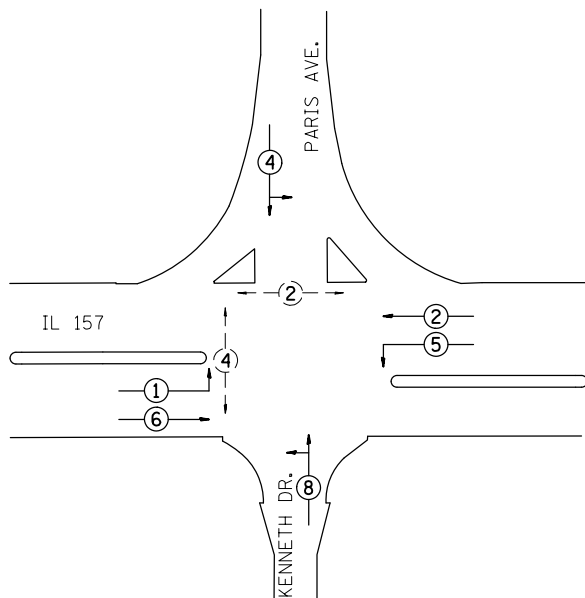
**IL 157 & FALLING SPRINGS (CAHOKIA, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

***CLINTON & ST. CLAIR		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RT.	Dist 8 TS 2017-2		••	116	76
**=VARIOUS		CONTRACT NO. 76J23			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			



PROPOSED TRAFFIC SIGNAL FACES



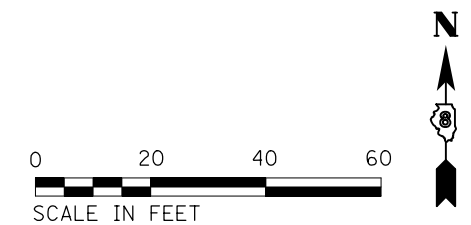
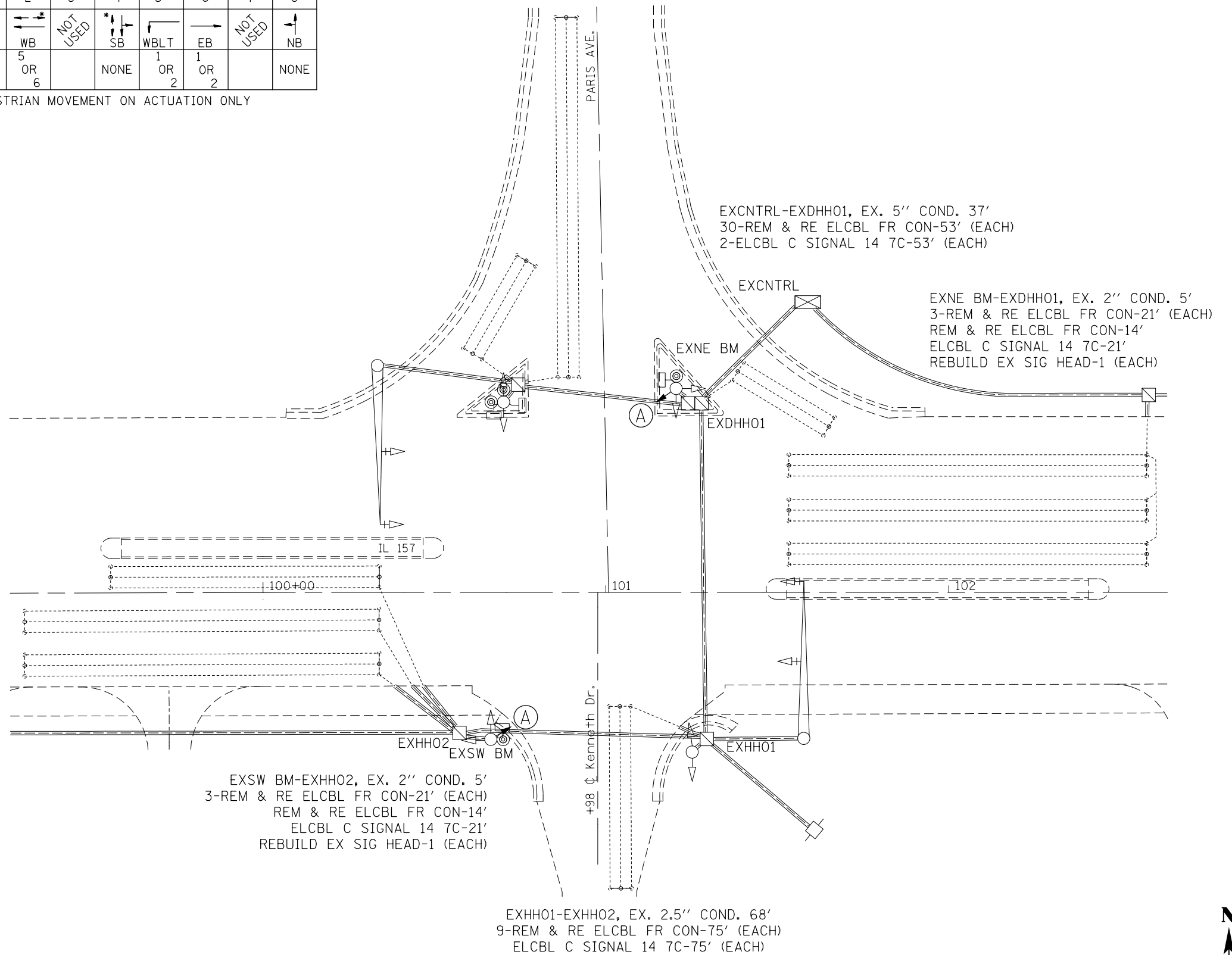
PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 157 & KENNETH (CAHOKIA, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

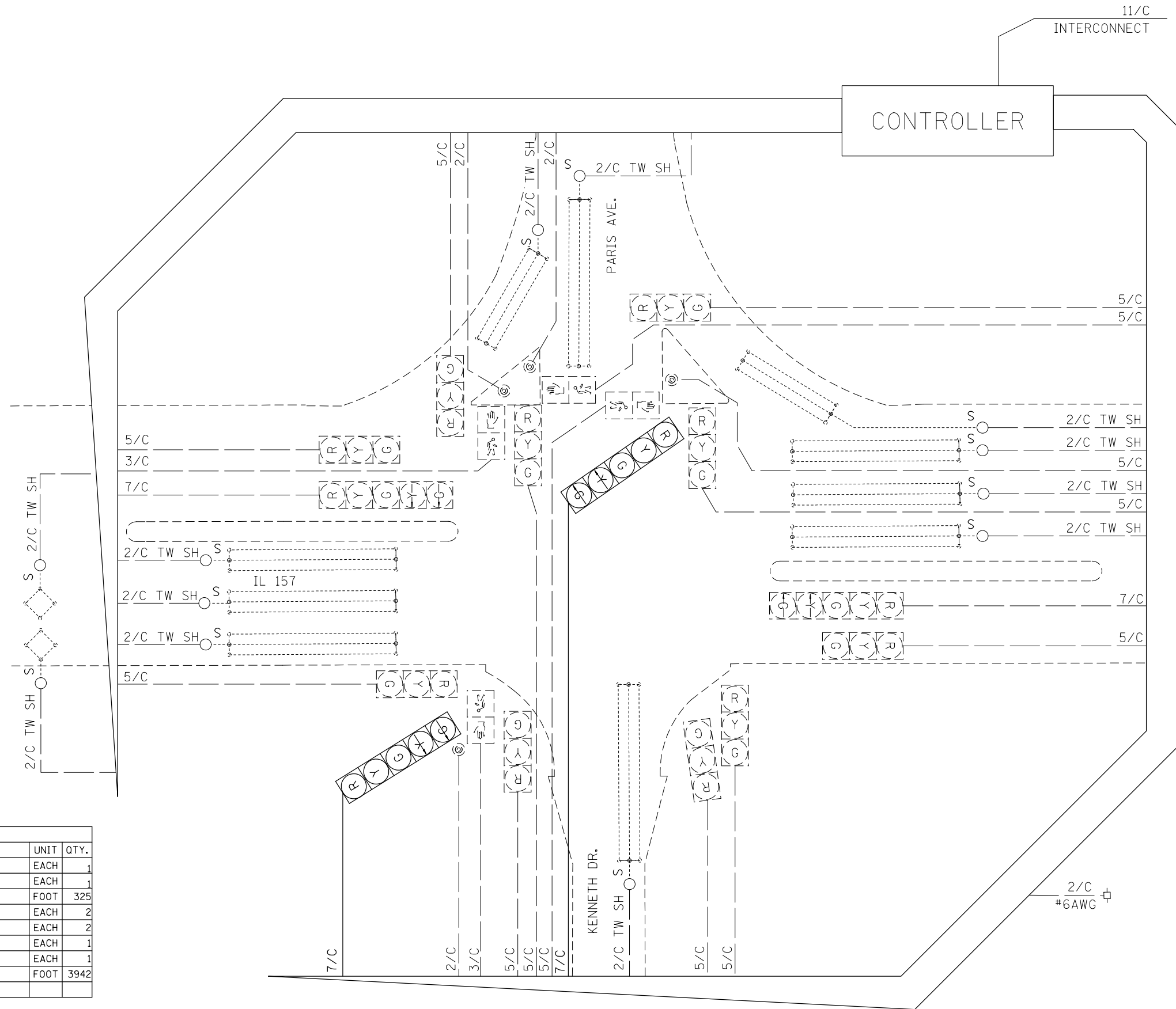
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	77
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	325
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 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	3942

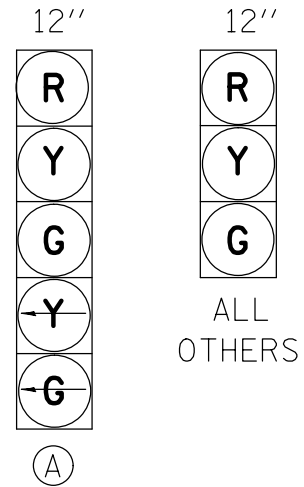
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 157 & KENNETH (CAHOKIA, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

		**=CLINTON & ST. CLAIR	
RTE.	SECTION	COUNTY	TOTAL SHEETS
•	Dist 8 TS 2017-2	**	116
**=VARIOUS		CONTRACT NO. 76J23	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	SHEET NO. 78

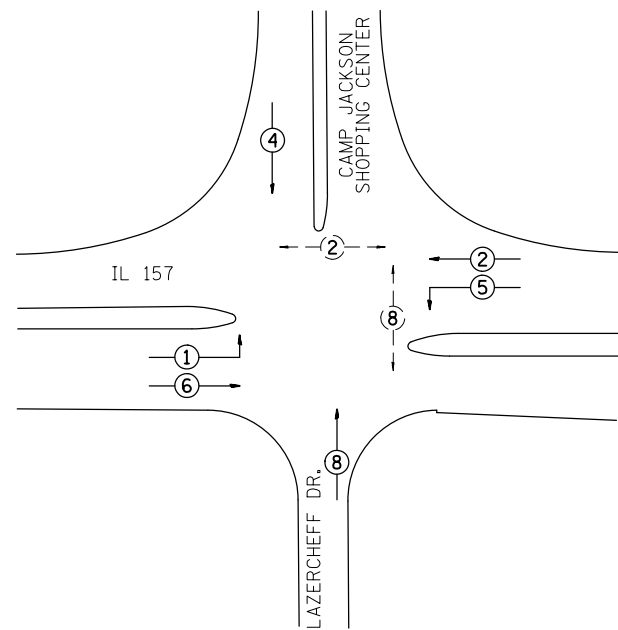


PROPOSED TRAFFIC SIGNAL FACES

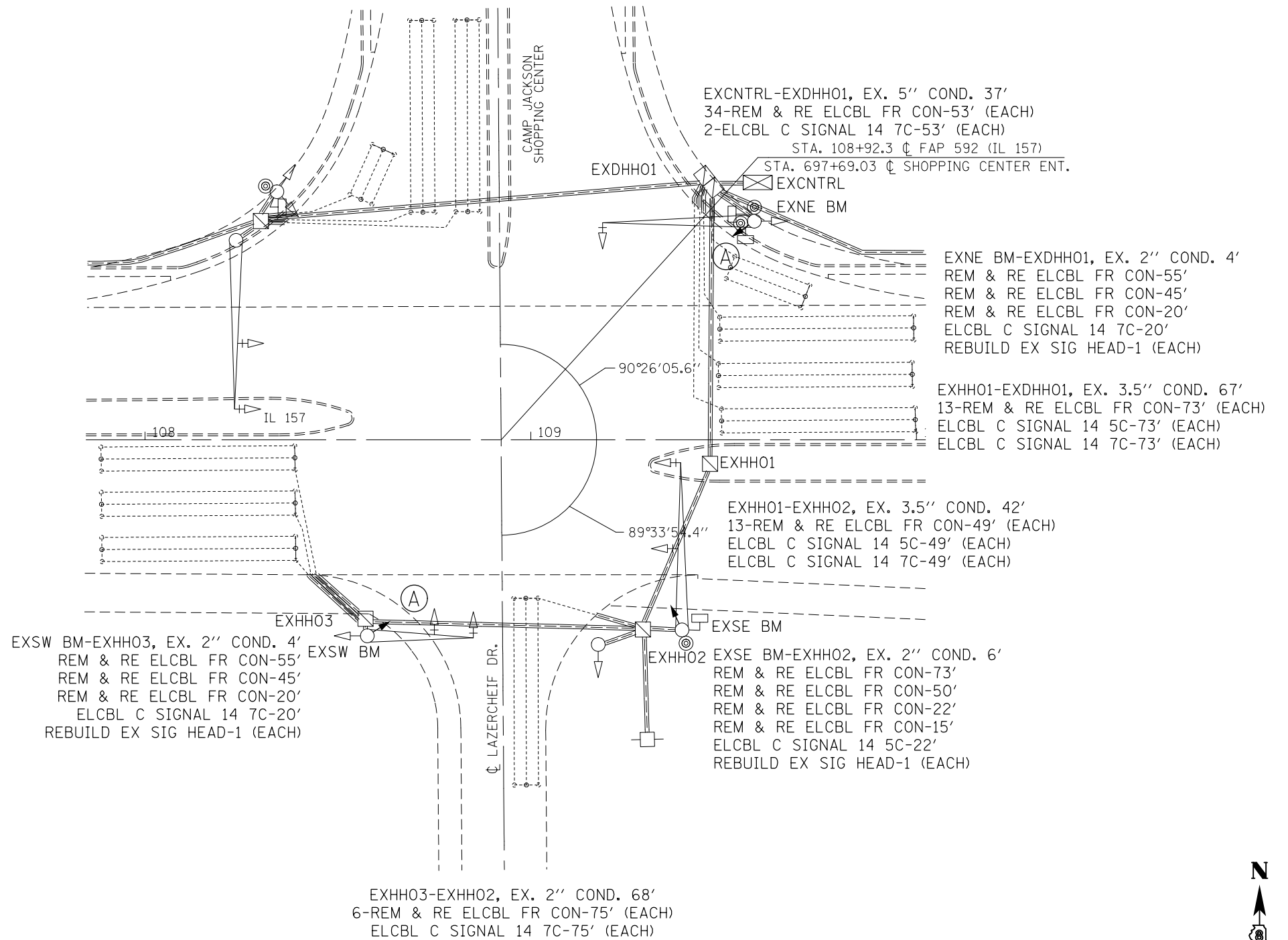
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	NOT USED	↓	↔	→	NOT USED	↑↓*
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY  
PHASE 4 & 8 SHALL TIME CONCURRENTLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



SCALE IN FEET \*\*CLINTON & ST. CLAIR



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -



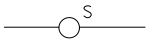

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

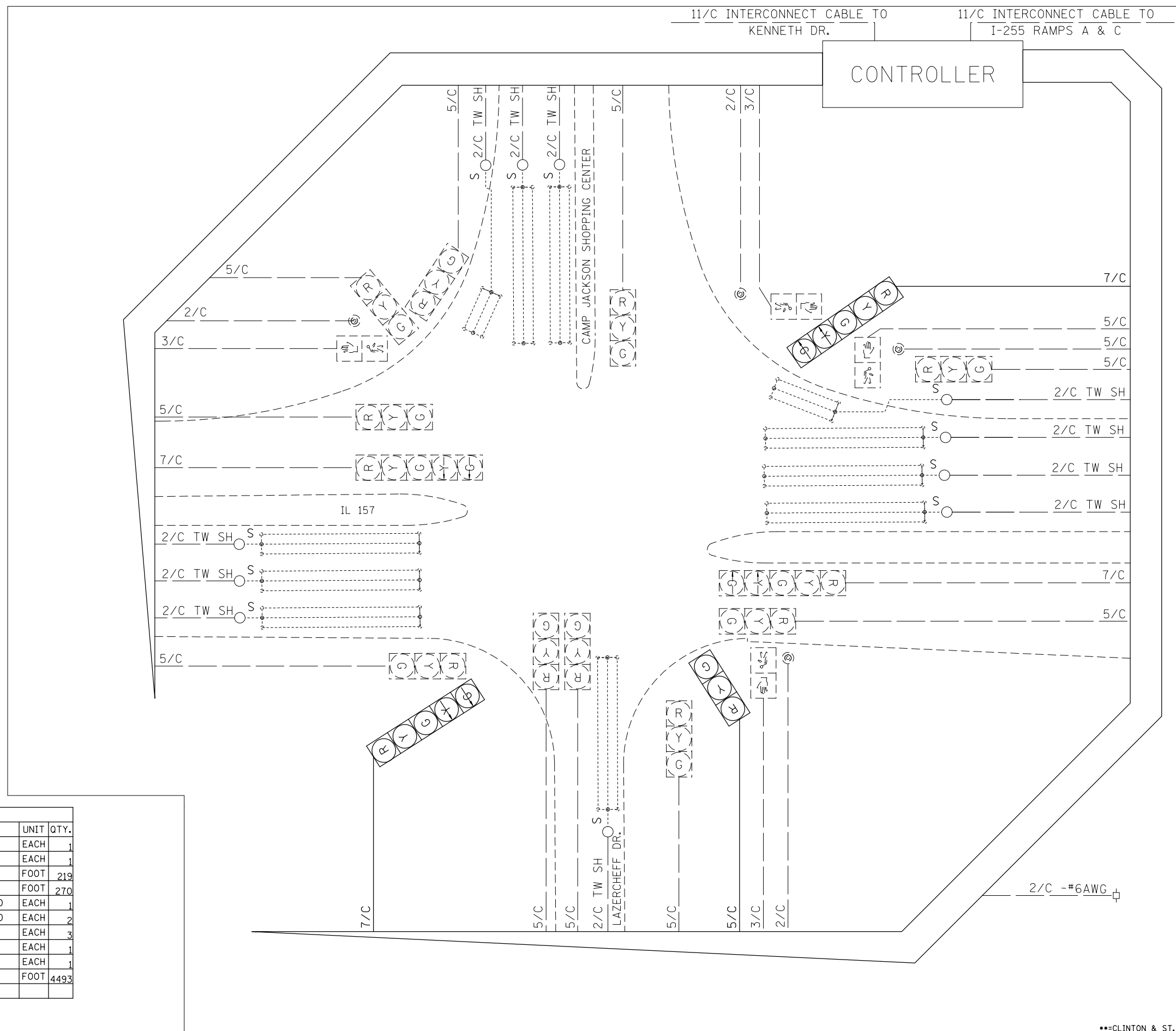
IL 157 & LAZERCHEFF (CAHOKIA, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2**		116	79
**VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

### CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING 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
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	219
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	270
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
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	4493

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 157 & LAZERCHEFF (CAHOKIA, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

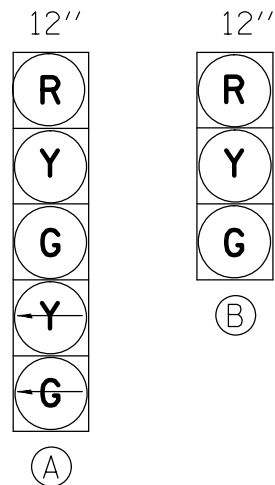
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	80
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\*\*=CLINTON & ST. CLAIR



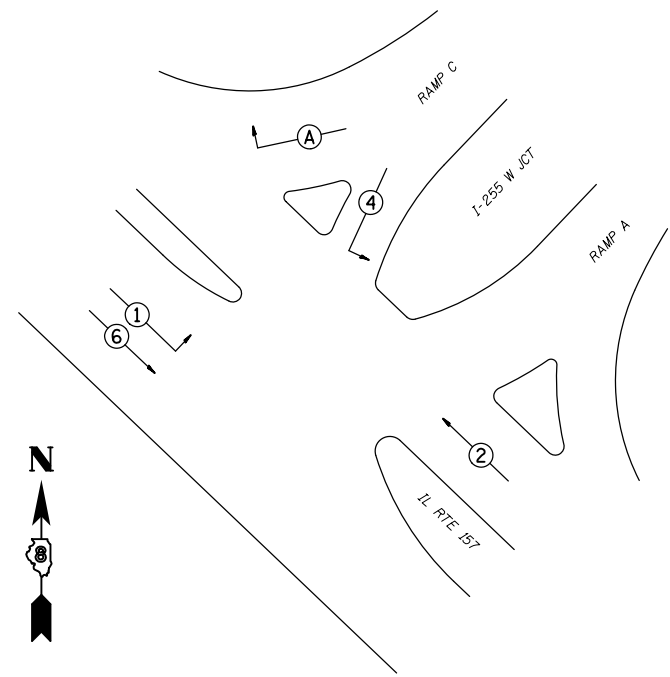
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



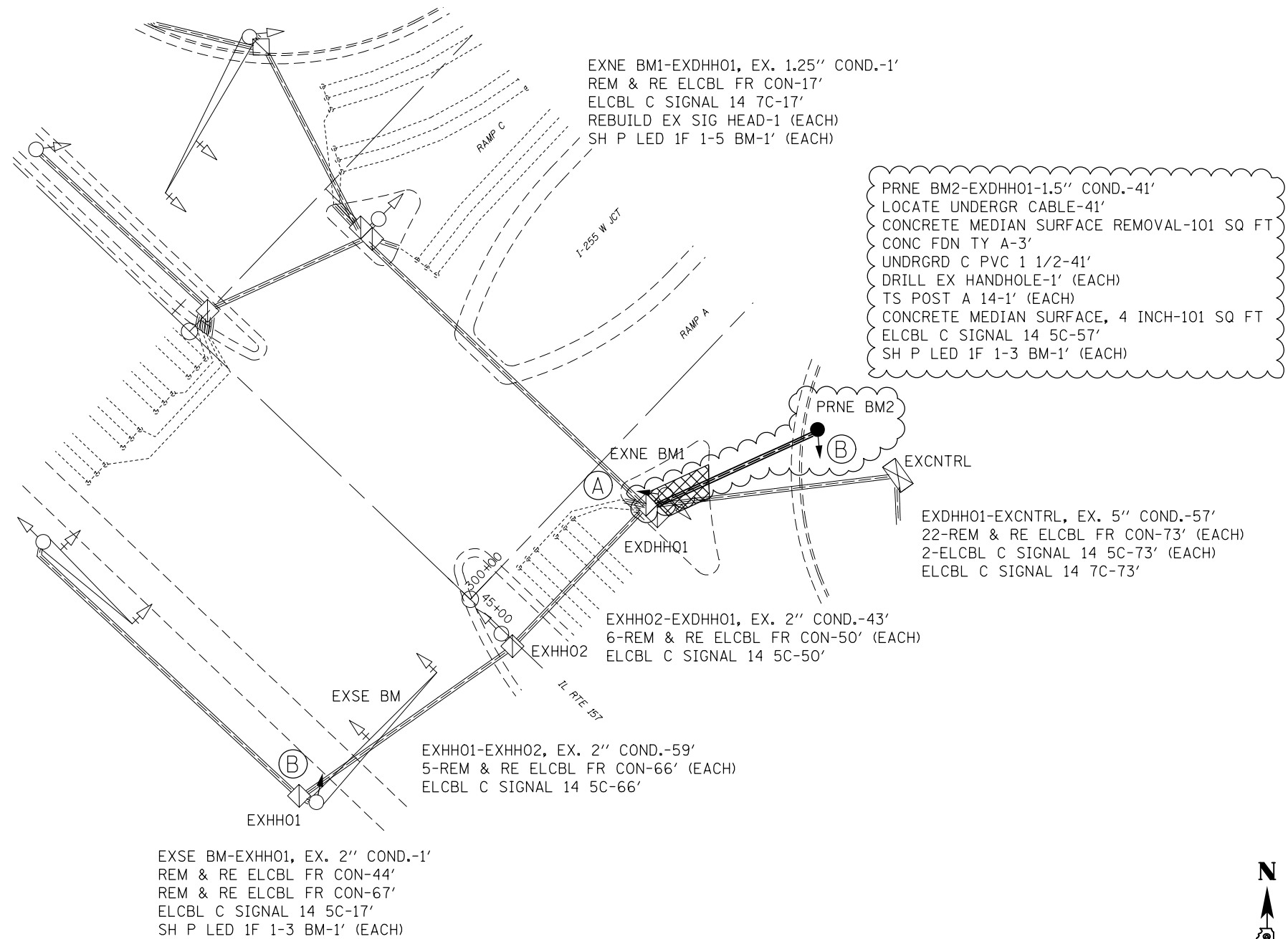
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

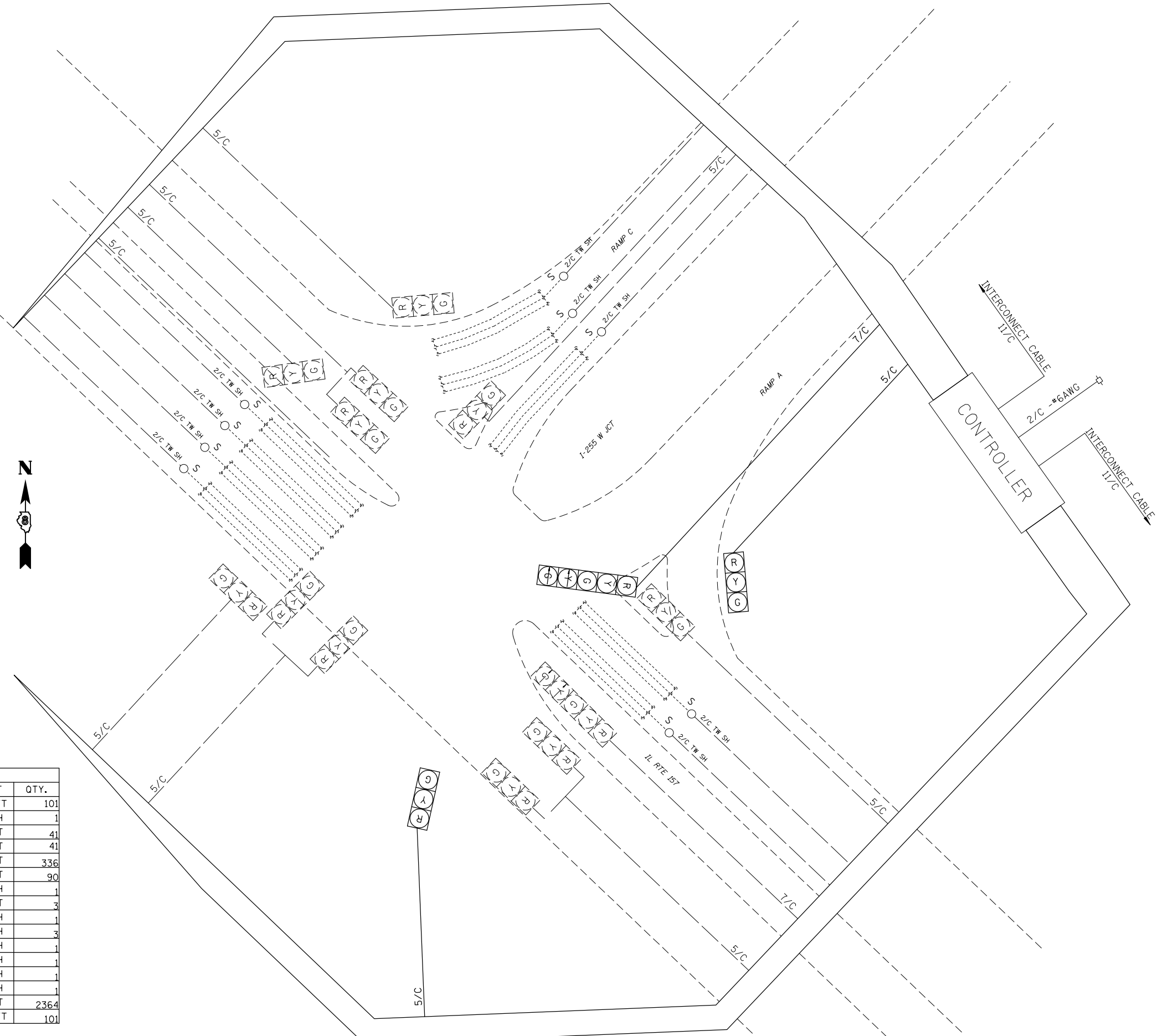
IL 157 & I-255 W JCT (CAHOKIA, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.																				
<table border="1"> <tr> <td>RT.</td> <td>SECTION</td> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td>•</td> <td>Dist 8 TS 2017-2</td> <td>**</td> <td>116</td> <td>81</td> </tr> <tr> <td colspan="3">**=VARIOUS</td> <td colspan="2">CONTRACT NO. 76J23</td> </tr> <tr> <td colspan="5">FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</td> </tr> </table>					RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	•	Dist 8 TS 2017-2	**	116	81	**=VARIOUS			CONTRACT NO. 76J23		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																				
•	Dist 8 TS 2017-2	**	116	81																				
**=VARIOUS			CONTRACT NO. 76J23																					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT																								

\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
80618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	101
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	41
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	41
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	336
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	90
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
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	2364
44402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	101

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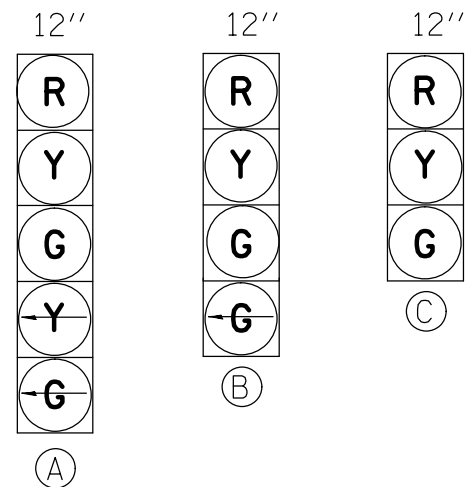
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 157 & I-255 W JCT (CAHOKIA, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• Dist 8 TS 2017-2			••	116	82
••=VARIOUS		CONTRACT NO. 76J23			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

••=CLINTON & ST. CLAIR



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
CONCURRENT MOVEMENT PERMITTED		5 OR 6	NONE	NONE	2	2		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PRNW BM1-EXHH04-1.5" COND.-45'  
 LOCATE UNDERGR CABLE-45'  
 CONCRETE MEDIAN SURFACE REMOVAL-50 SQ FT  
 CONC FDN TY A-3'  
 UNDRGRD C PVC 1 1/2-45'  
 DRILL EX HANDHOLE-1' (EACH)  
 TS POST A 14-1' (EACH)  
 CONCRETE MEDIAN SURFACE, 4 INCH-50 SQ FT  
 ELCBL C SIGNAL 14 5C-61'  
 SH P LED 1F 1-3 BM-1 (EACH)

EXNW BM2-EXHH04, EX. 2" COND.-2'  
 REM & RE ELCBL FR CON-57'  
 REM & RE ELCBL FR CON-45'  
 REM & RE ELCBL FR CON-18'  
 ELCBL C SIGNAL 14 7C-18'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-3 BM-1 (EACH)

EXSW BM2-EXHH01, EX. 2" COND.-1'  
 REM & RE ELCBL FR CON-36'  
 REM & RE ELCBL FR CON-53'  
 REM & RE ELCBL FR CON-17'  
 ELCBL C SIGNAL 14 7C-17'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

PRSW BM1-EXHH01-1.5" COND.-27'  
 LOCATE UNDERGR CABLE-27'  
 CONCRETE MEDIAN SURFACE REMOVAL-23 SQ FT  
 CONC FDN TY A-3'  
 UNDRGRD C PVC 1 1/2-27'  
 DRILL EX HANDHOLE-1' (EACH)  
 TS POST A 14-1' (EACH)  
 CONCRETE MEDIAN SURFACE, 4 INCH-23 SQ FT  
 ELCBL C SIGNAL 14 5C-43'  
 SH P LED 1F 1-3 BM-1 (EACH)

EXHH04-EXHH05, EX. 3" COND.-38'  
 8-REM & RE ELCBL FR CON-45' (EACH)  
 ELCBL C SIGNAL 14 5C-45'  
 ELCBL C SIGNAL 14 7C-45'

EXHH05-EXHH06, EX. 3" COND.-29'  
 11-REM & RE ELCBL FR CON-36' (EACH)  
 ELCBL C SIGNAL 14 5C-36'  
 ELCBL C SIGNAL 14 7C-36'

EXNE BM1-EXHH06, EX. 1.25" COND.-1'  
 2-REM & RE ELCBL FR CON-17' (EACH)  
 ELCBL C SIGNAL 14 5C-17'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-3 BM-1 (EACH)

PRNE BM2-EXDHH01-1.5" COND.-14'  
 LOCATE UNDERGR CABLE-14'  
 CONC FDN TY A-3'  
 UNDRGRD C PVC 1 1/2-14'  
 DRILL EX HANDHOLE-1' (EACH)  
 TS POST A 14-1' (EACH)  
 ELCBL C SIGNAL 14 5C-30'  
 SH P LED 1F 1-3 BM-1 (EACH)

EXHH06-EXDHH01, EX. 3.5" COND.-33'  
 13-REM & RE ELCBL FR CON-39' (EACH)  
 3-ELCBL C SIGNAL 14 5C-39' (EACH)  
 ELCBL C SIGNAL 14 7C-39'

EXDHH01-EXCNTRL, EX. 5" COND.-44'  
 27-REM & RE ELCBL FR CON-60' (EACH)  
 5-ELCBL C SIGNAL 14 5C-60' (EACH)  
 3-ELCBL C SIGNAL 14 7C-60' (EACH)

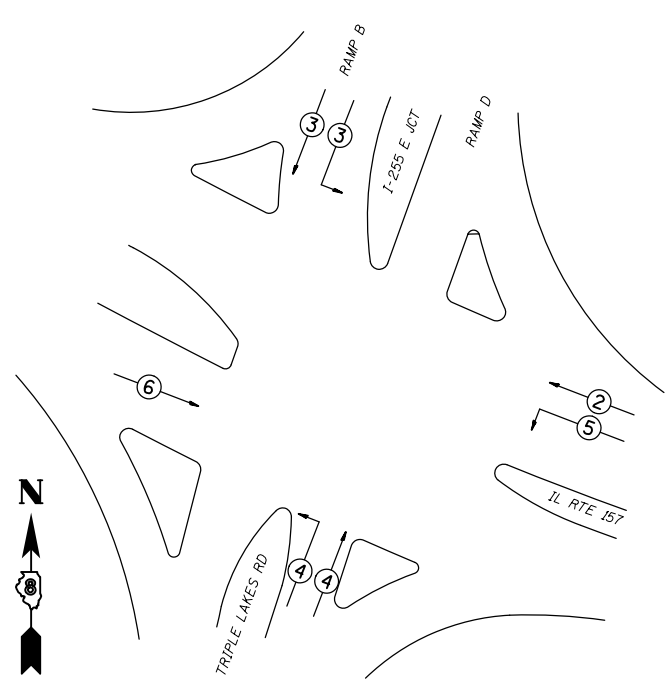
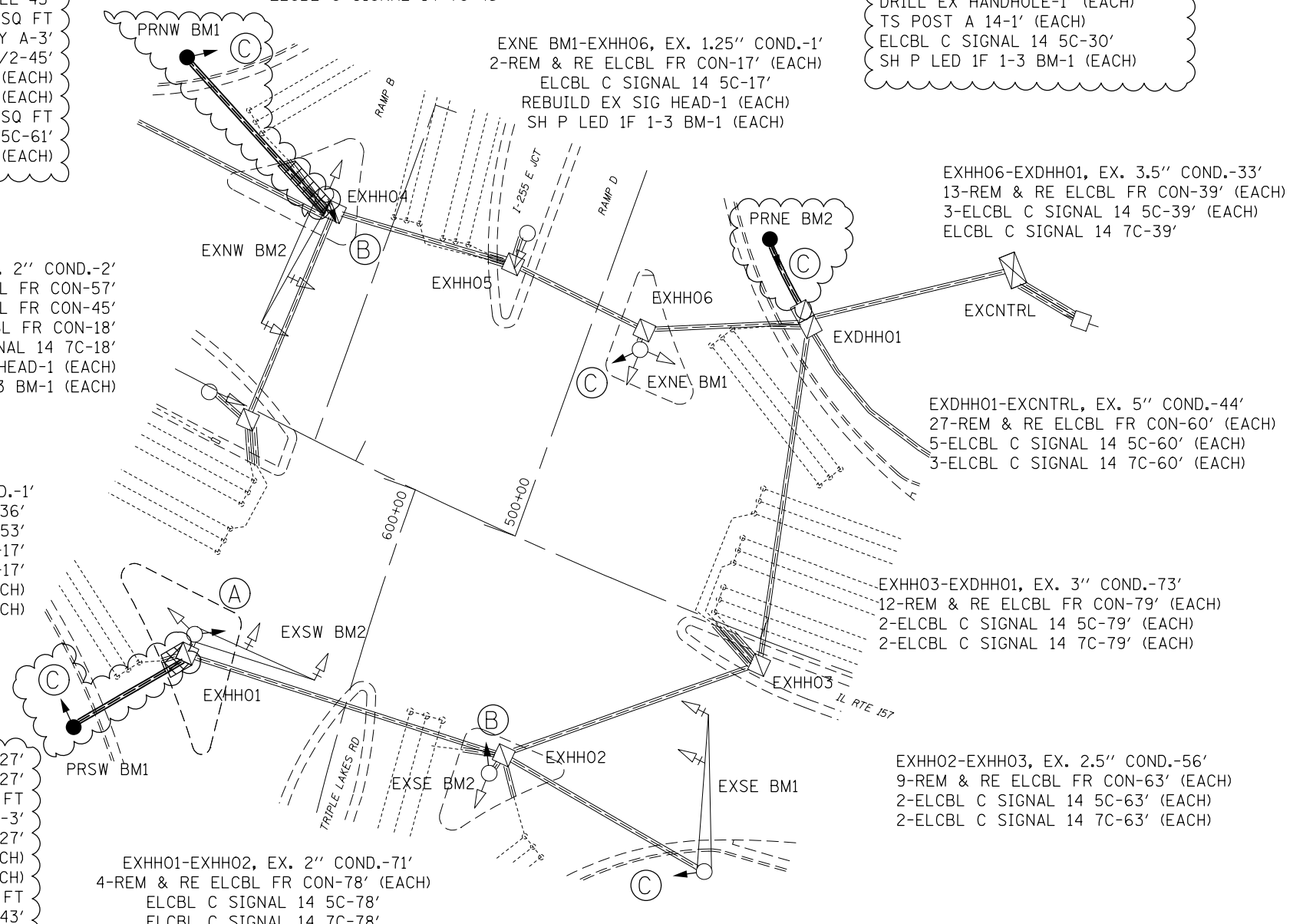
EXHH03-EXDHH01, EX. 3" COND.-73'  
 12-REM & RE ELCBL FR CON-79' (EACH)  
 2-ELCBL C SIGNAL 14 5C-79' (EACH)  
 2-ELCBL C SIGNAL 14 7C-79' (EACH)

EXHH02-EXHH03, EX. 2.5" COND.-56'  
 9-REM & RE ELCBL FR CON-63' (EACH)  
 2-ELCBL C SIGNAL 14 5C-63' (EACH)  
 2-ELCBL C SIGNAL 14 7C-63' (EACH)

EXHH01-EXHH02, EX. 2" COND.-71'  
 4-REM & RE ELCBL FR CON-78' (EACH)  
 ELCBL C SIGNAL 14 5C-78'  
 ELCBL C SIGNAL 14 7C-78'

EXSE BM2-EXHH02, EX. 1.25" COND.-1'  
 REM & RE ELCBL FR CON-17'  
 ELCBL C SIGNAL 14 7C-17'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-4 BM-1 (EACH)

EXSE BM1-EXHH02, EX. 1.25" COND.-49'  
 REM & RE ELCBL FR CON-96'  
 REM & RE ELCBL FR CON-107'  
 ELCBL C SIGNAL 14 5C-65'  
 SH P LED 1F 1-3 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 157 & I-255 E JCT (CAHOKIA, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

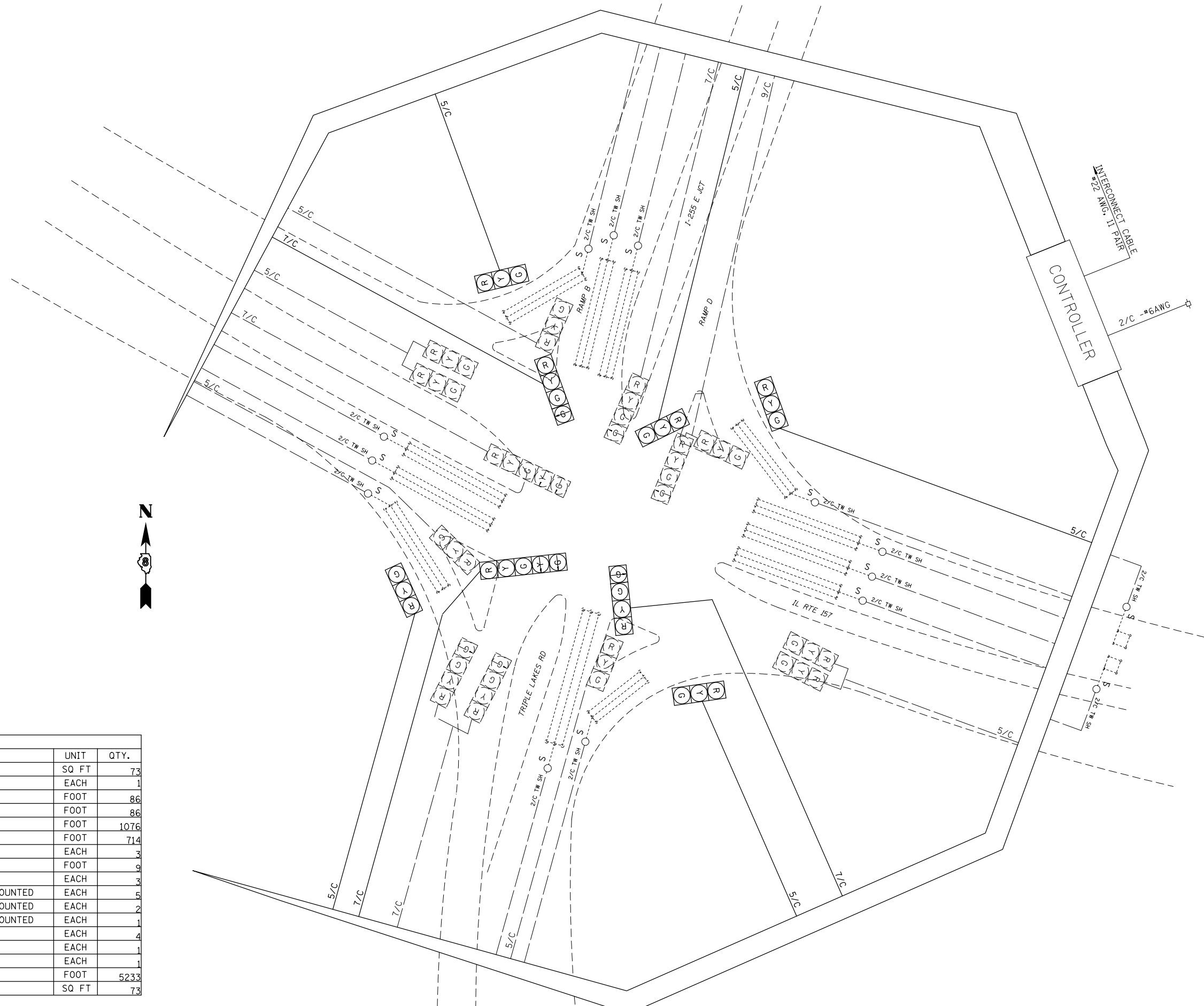
SCALE: SHEET NO. OF SHEETS STA. TO STA.

==CLINTON & ST. CLAIR

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	83
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
80618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	73
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	86
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	86
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1076
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	714
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	3
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9
87900200	DRILL EXISTING HANDHOLE	EACH	3
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
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	1
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5233
44402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	73

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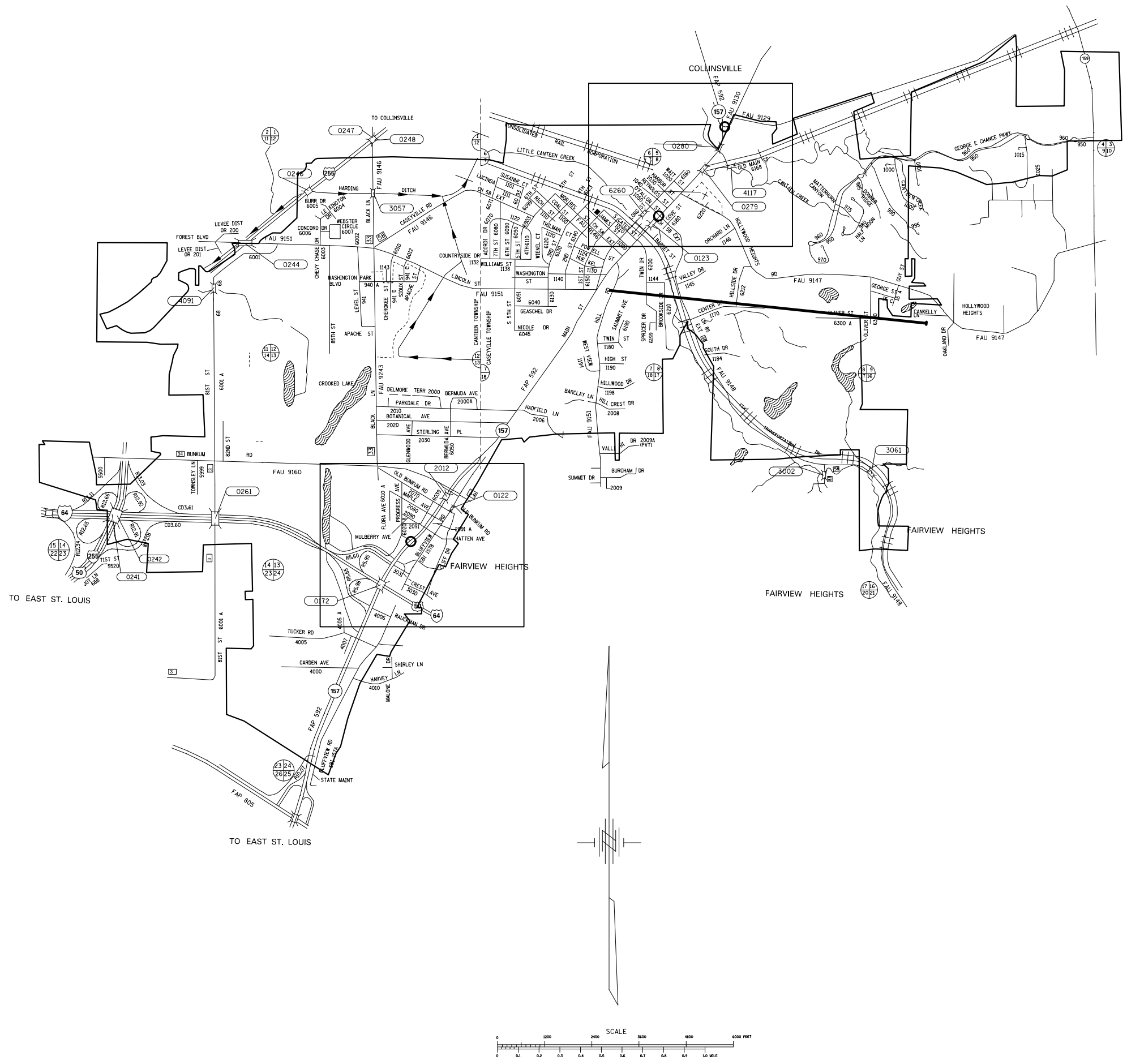
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 157 & I-255 E JCT (CAHOKIA, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	84
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.    ILLINOIS    FED. AID PROJECT				

••=CLINTON & ST. CLAIR



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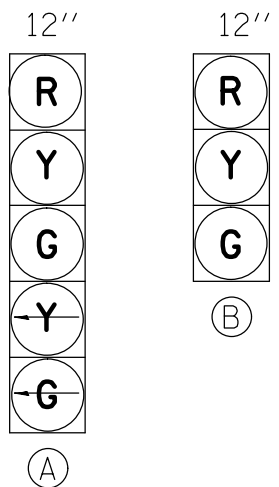
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

**=CLINTON & ST. CLAIR				
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	85
*=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

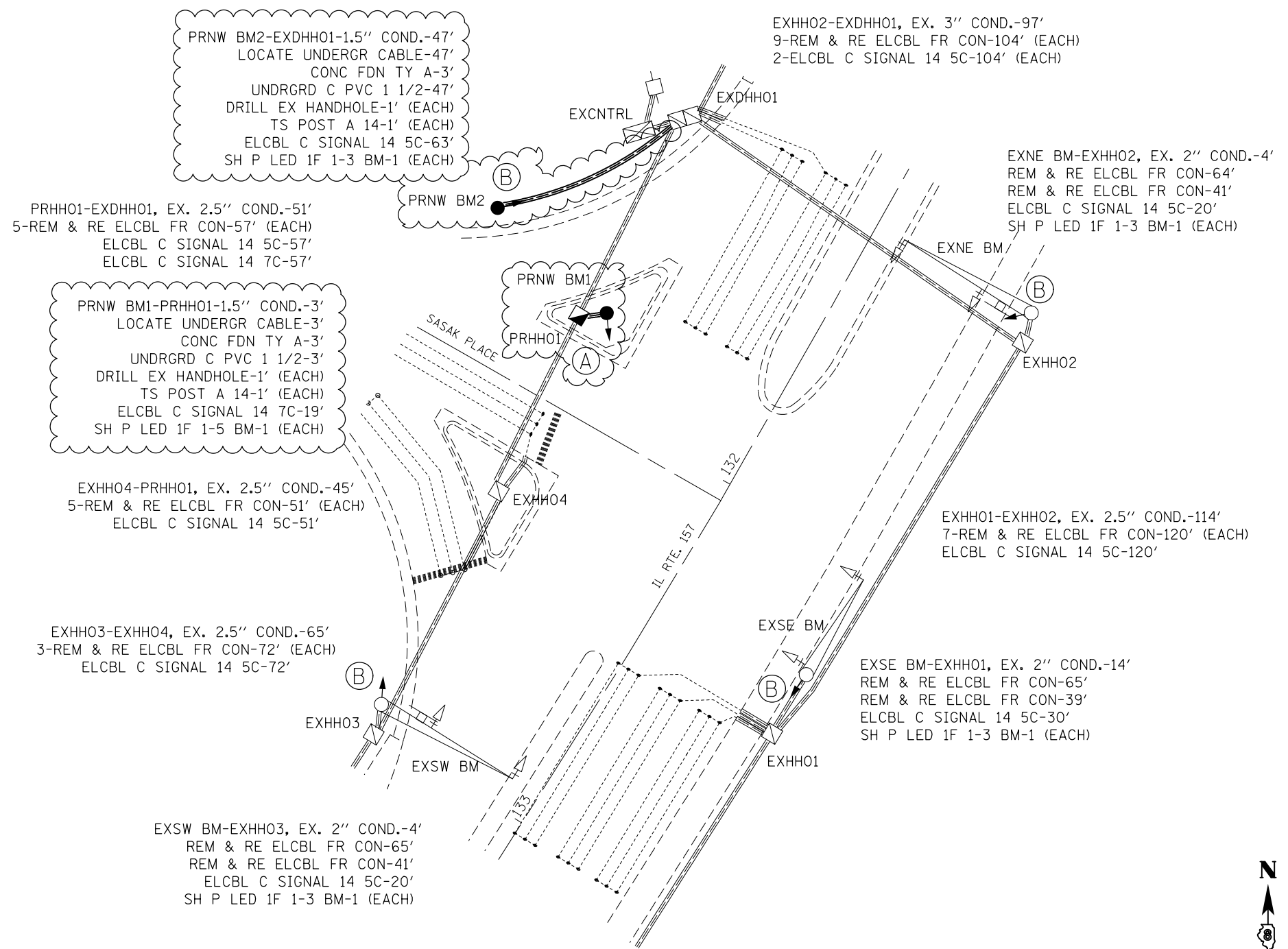
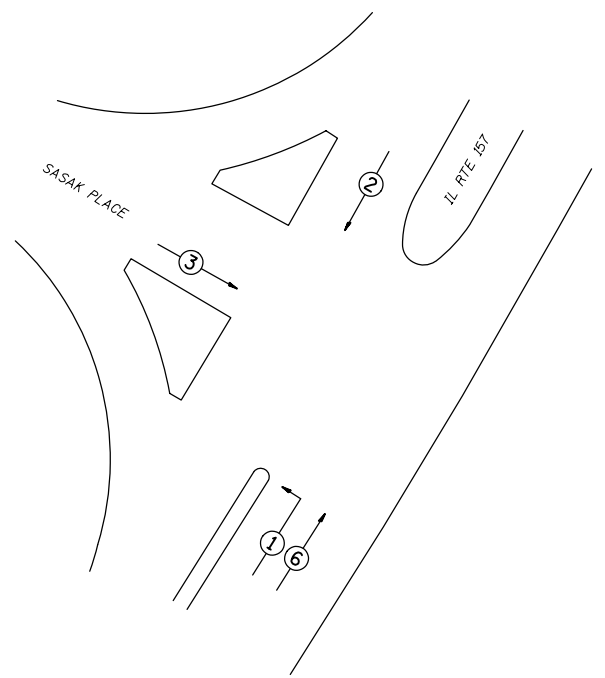
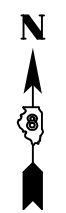


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

PHASE DESIGNATION DIAGRAM



EXDHH01-EXCENTRL, EX. 4" COND.-4'  
19-REM & RE ELCBL FR CON-20' (EACH)  
4-ELCBL C SIGNAL 14 5C-20' (EACH)  
ELCBL C SIGNAL 14 7C-20'

EXHH02-EXDHH01, EX. 3" COND.-97'  
9-REM & RE ELCBL FR CON-104' (EACH)  
2-ELCBL C SIGNAL 14 5C-104' (EACH)

EXNE BM-EXHH02, EX. 2" COND.-4'  
REM & RE ELCBL FR CON-64'  
REM & RE ELCBL FR CON-41'  
ELCBL C SIGNAL 14 5C-20'  
SH P LED 1F 1-3 BM-1 (EACH)

PRNH01-EXDHH01, EX. 2.5" COND.-51'  
5-REM & RE ELCBL FR CON-57' (EACH)  
ELCBL C SIGNAL 14 5C-57'  
ELCBL C SIGNAL 14 7C-57'

PRNW BM2-EXDHH01-1.5" COND.-47'  
LOCATE UNDERGR CABLE-47'  
CONC FDN TY A-3'  
UNDRGRD C PVC 1 1/2-47'  
DRILL EX HANDHOLE-1' (EACH)  
TS POST A 14-1' (EACH)  
ELCBL C SIGNAL 14 5C-63'  
SH P LED 1F 1-3 BM-1 (EACH)

PRNW BM1-PRHH01-1.5" COND.-3'  
LOCATE UNDERGR CABLE-3'  
CONC FDN TY A-3'  
UNDRGRD C PVC 1 1/2-3'  
DRILL EX HANDHOLE-1' (EACH)  
TS POST A 14-1' (EACH)  
ELCBL C SIGNAL 14 7C-19'  
SH P LED 1F 1-5 BM-1 (EACH)

EXHH04-PRHH01, EX. 2.5" COND.-45'  
5-REM & RE ELCBL FR CON-51' (EACH)  
ELCBL C SIGNAL 14 5C-51'

EXHH03-EXHH04, EX. 2.5" COND.-65'  
3-REM & RE ELCBL FR CON-72' (EACH)  
ELCBL C SIGNAL 14 5C-72'

EXSW BM-EXHH03, EX. 2" COND.-4'  
REM & RE ELCBL FR CON-65'  
REM & RE ELCBL FR CON-41'  
ELCBL C SIGNAL 14 5C-20'  
SH P LED 1F 1-3 BM-1 (EACH)

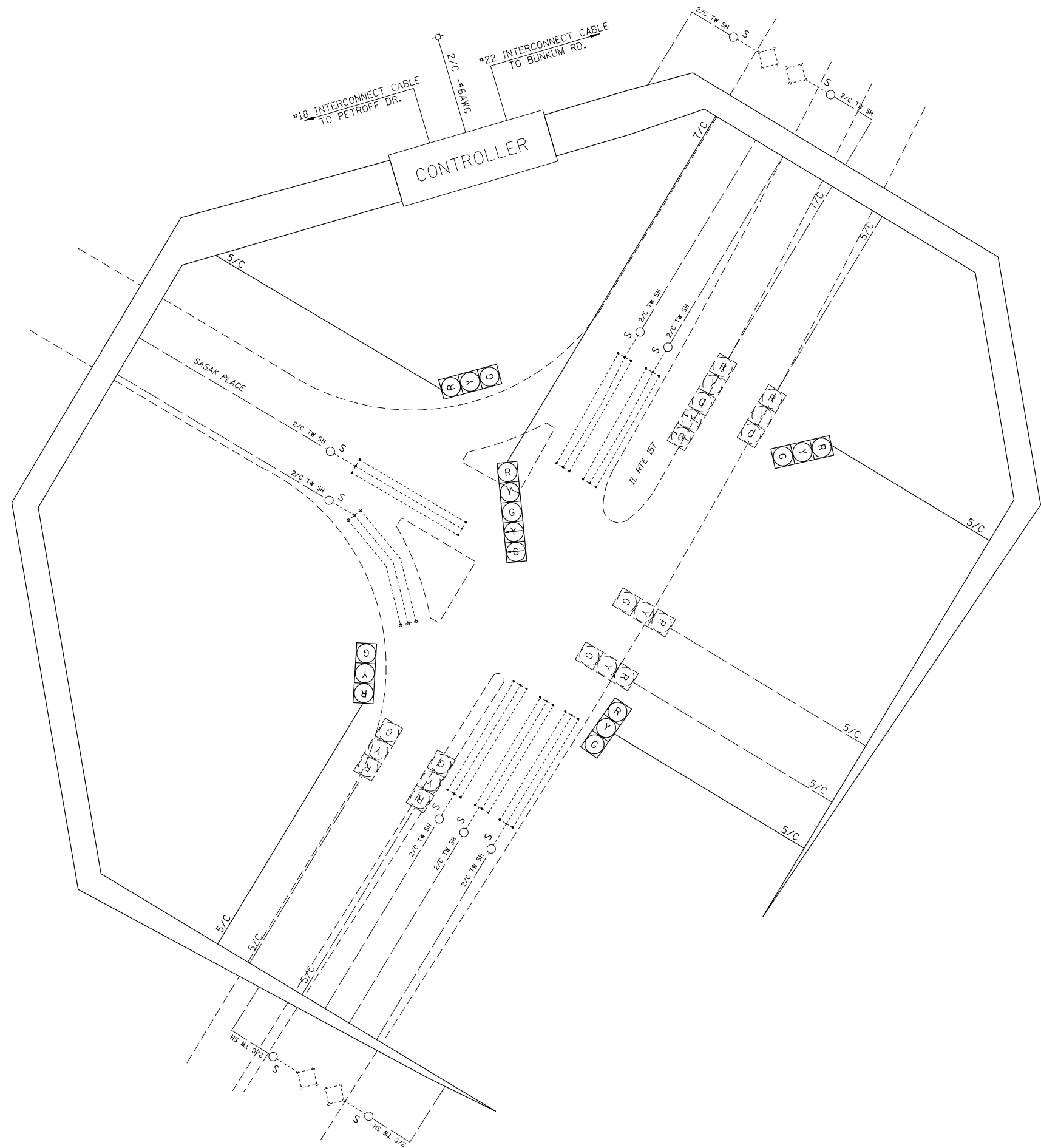
EXHH01-EXHH02, EX. 2.5" COND.-114'  
7-REM & RE ELCBL FR CON-120' (EACH)  
ELCBL C SIGNAL 14 5C-120'

EXSE BM-EXHH01, EX. 2" COND.-14'  
REM & RE ELCBL FR CON-65'  
REM & RE ELCBL FR CON-39'  
ELCBL C SIGNAL 14 5C-30'  
SH P LED 1F 1-3 BM-1 (EACH)



### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING 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
- EXISTING SERVICE INSTALLATION



#### SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
8030010	LOCATING UNDERGROUND CABLE	FOOT	50
8102834	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	50
87801245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	721
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	96
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	4
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	3227

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

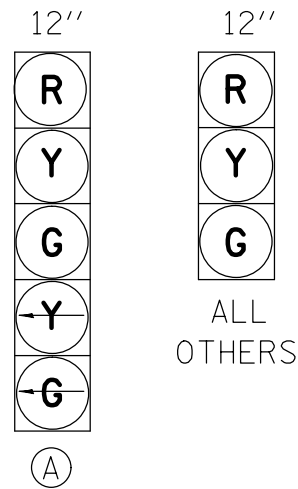
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 157 & SASAK (CASEYVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

***CLINTON & ST. CLAIR		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-2	••			116	88
••=VARIOUS		CONTRACT NO. 76J23				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT				



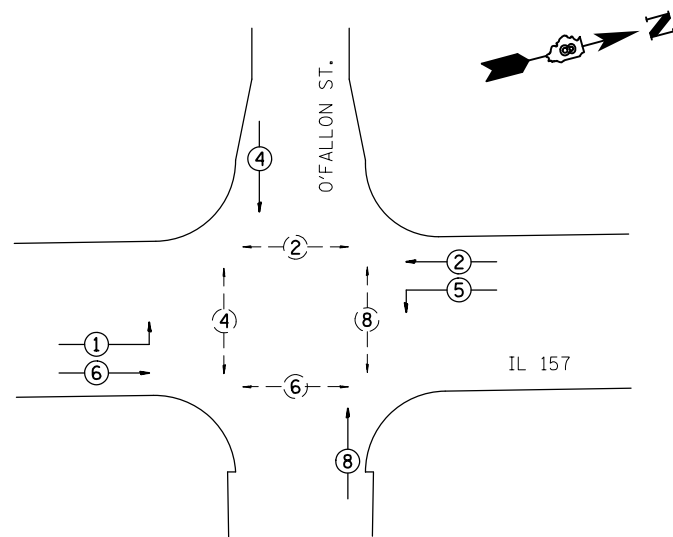


PROPOSED TRAFFIC SIGNAL FACES

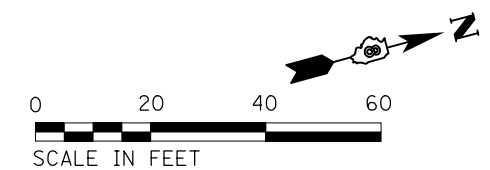
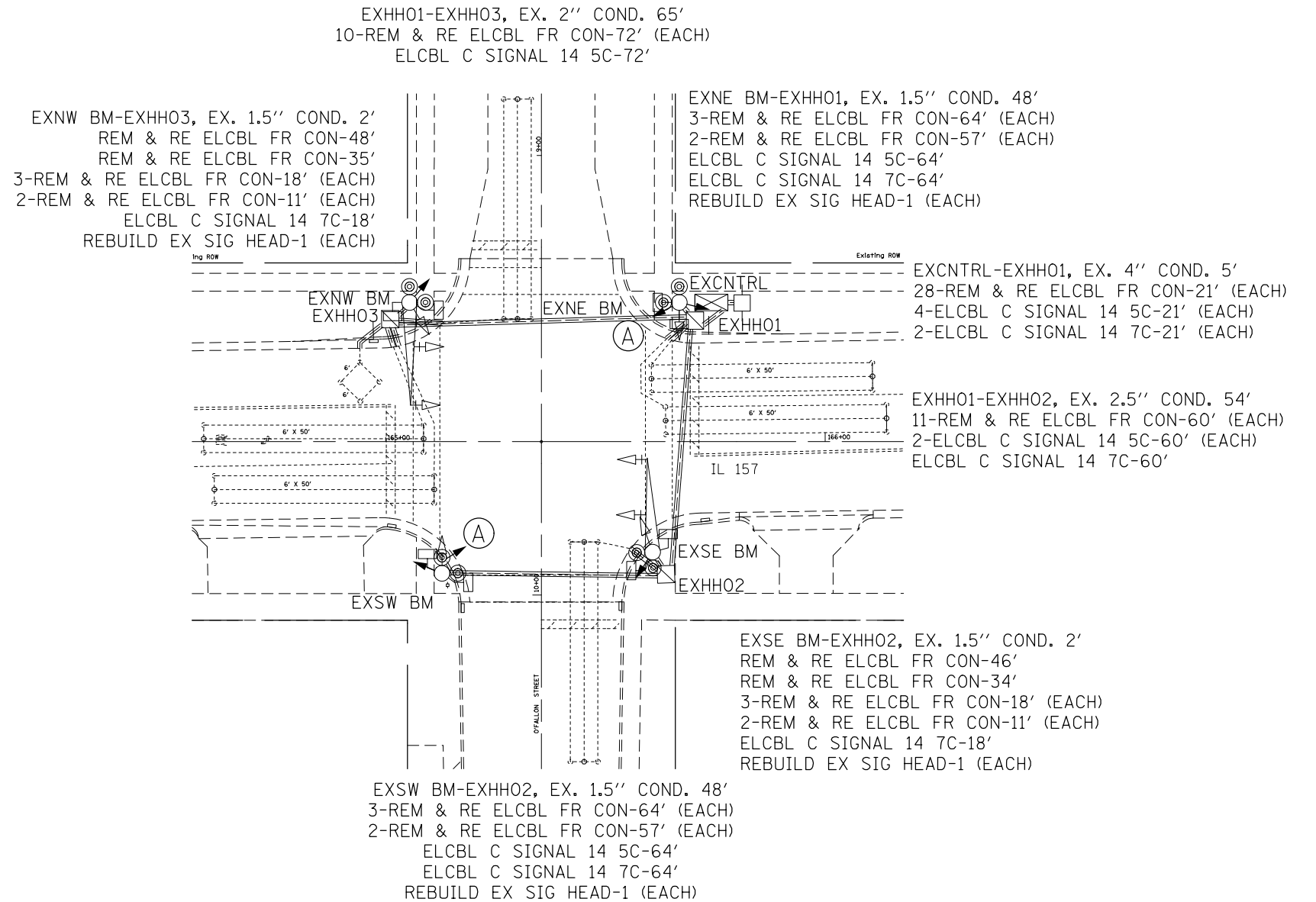
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NBLT	SB	NOT USED	EB	SBLT	NB	NOT USED	WB
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

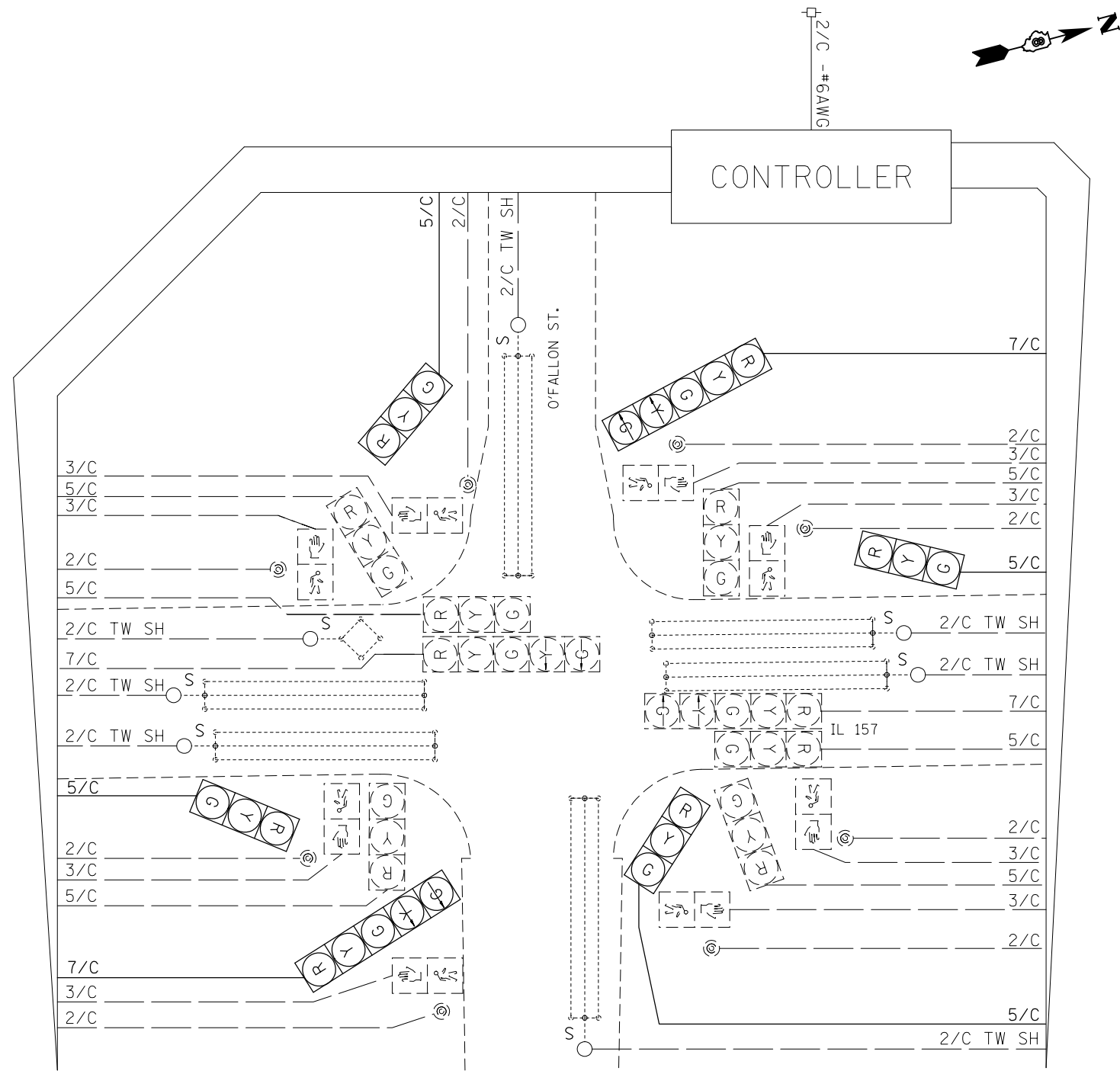
IL 157 & O'FALLON (CASEYVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

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

**=CLINTON & ST. CLAIR	
ROUTE	SECTION
• Dist 8 TS 2017-2	••
•=VARIOUS	CONTRACT NO. 76J23
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- — — — EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	407
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	268
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2748

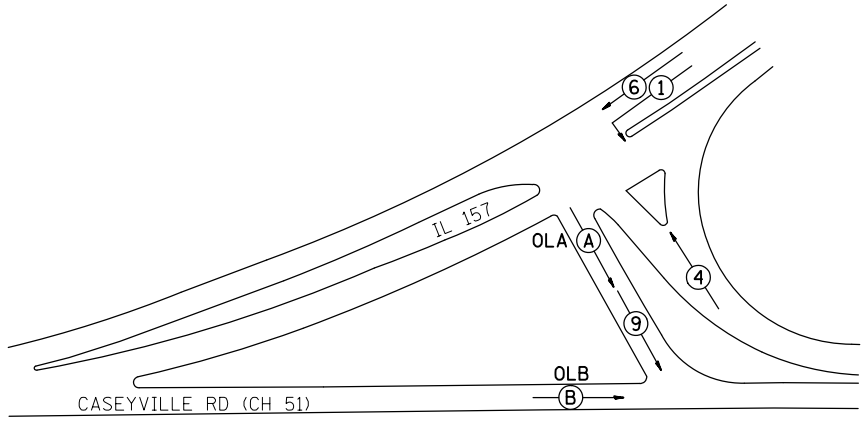
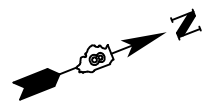
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION											
PHASE	1	2	3	4	5	6	7	8	9	OLA	OLB
MOVEMENT	← SBLT	→ NB	NOT USED	↑ WB	NOT USED	← SB	NOT USED	NOT USED	↓ EB	↓ EB	→ CH 51 NB
CONCURRENT MOVEMENT PERMITTED	5 OR A	6 OR A OR B		B		1 OR 2 OR A OR B			6 OR 8 TIMING ONLY	1 OR 2 OR 6	2 OR 4 OR 6

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

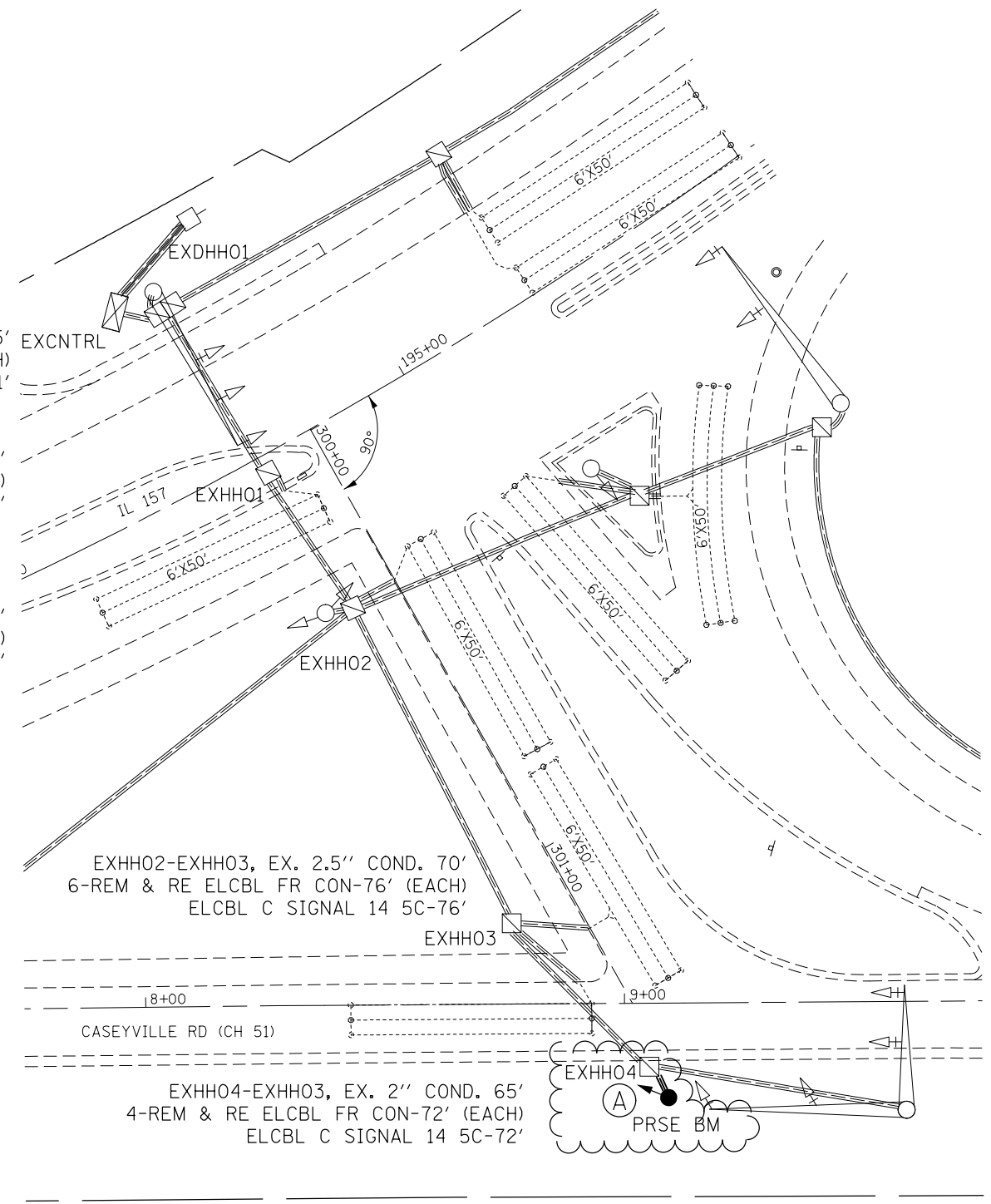


PHASE DESIGNATION DIAGRAM

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

EXHH01-EXDHH01, EX. 3.5" COND. 36'  
16-REM & RE ELCBL FR CON-43' (EACH)  
ELCBL C SIGNAL 14 5C-43'

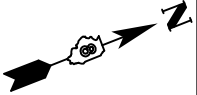
EXHH02-EXHH01, EX. 3.5" COND. 29'  
15-REM & RE ELCBL FR CON-36' (EACH)  
ELCBL C SIGNAL 14 5C-36'



EXHH02-EXHH03, EX. 2.5" COND. 70'  
6-REM & RE ELCBL FR CON-76' (EACH)  
ELCBL C SIGNAL 14 5C-76'

EXHH04-EXHH03, EX. 2" COND. 65'  
4-REM & RE ELCBL FR CON-72' (EACH)  
ELCBL C SIGNAL 14 5C-72'

PRSE BM-EXHH04, EX. 1.5" COND. 8'  
LOCATE UNDERGR CABLE-8'  
CONC FDN TY A-3'  
UNDRGRD C PVC 1-8'  
DRILL EX HANDHOLE-1 (EACH)  
TS POST A 14-1 (EACH)  
ELCBL C SIGNAL 14 5C-24'  
SH P LED 1F 1-3 BM-1 (EACH)



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 157 & CASEYVILLE RD (CASEYVILLE, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

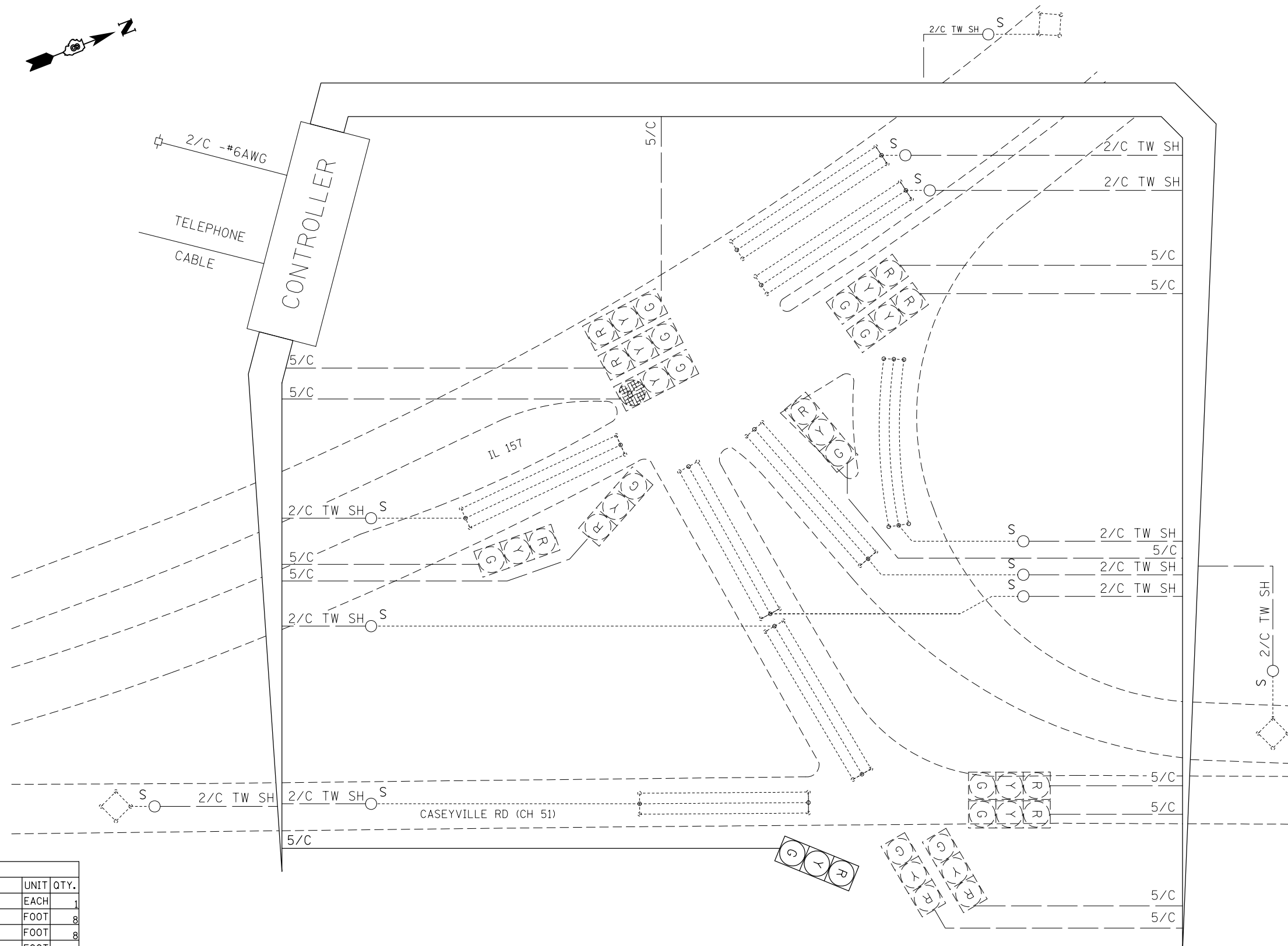
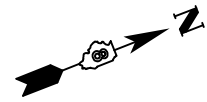
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		Dist 8 TS 2017-2	**	116	91
**=VARIOUS				CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

\*\*\*=CLINTON & ST. CLAIR

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	8
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	8
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	272
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	1
87900200	DRILL EXISTING HANDHOLE	EACH	1
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	2440

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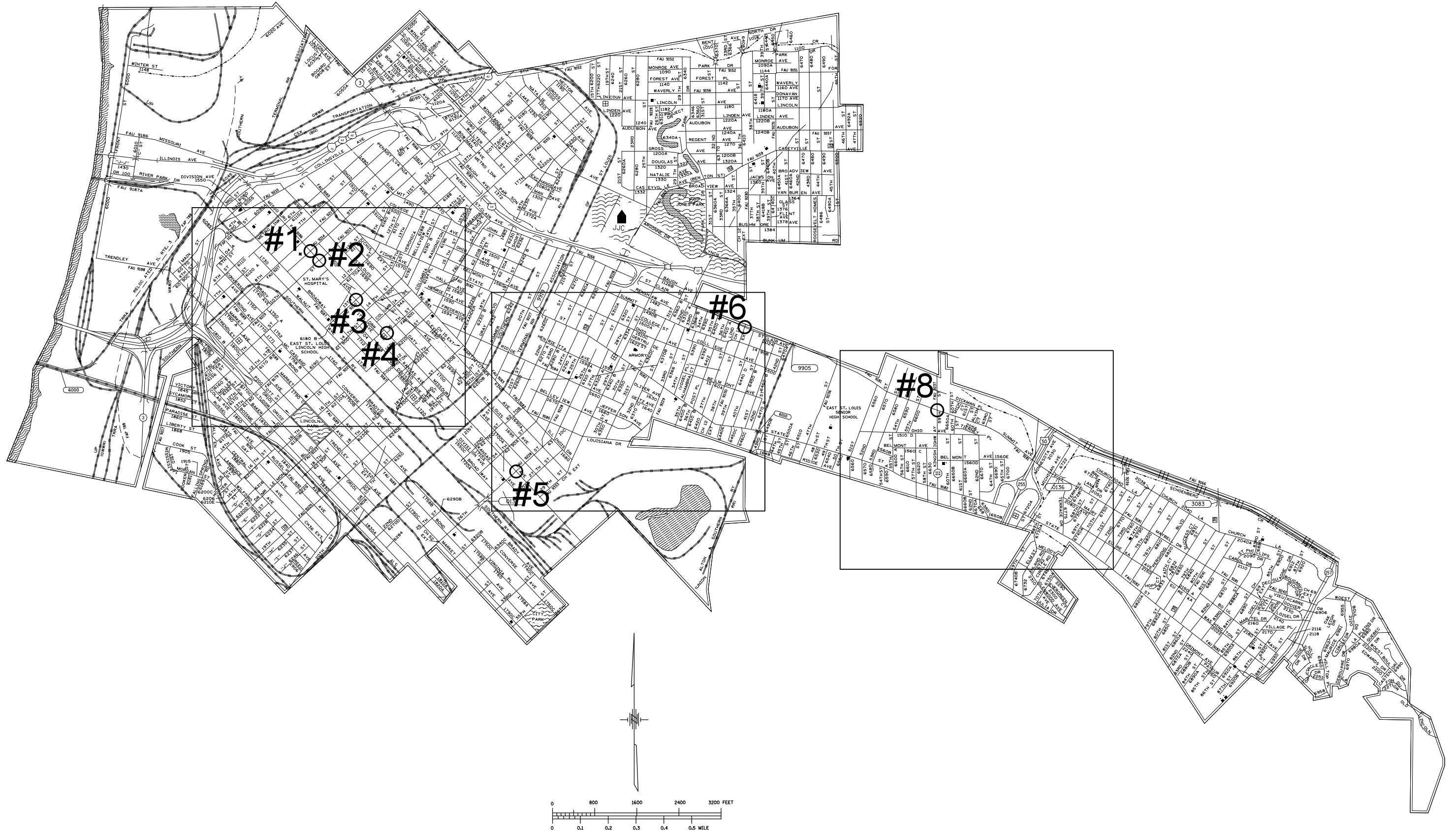
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 157 & CASEYVILLE RD (CASEYVILLE, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		Dist 8 TS 2017-2	••	116	92
••=VARIOUS				CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR



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	PLOT DATE = 3/16/2017	DATE -	REVISED -

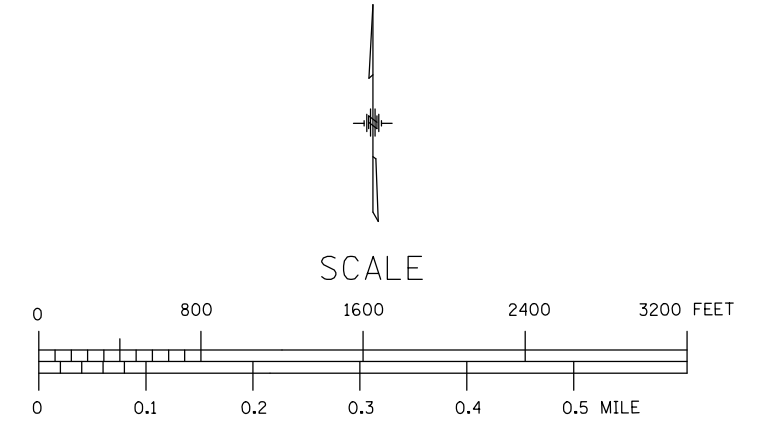
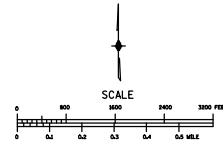
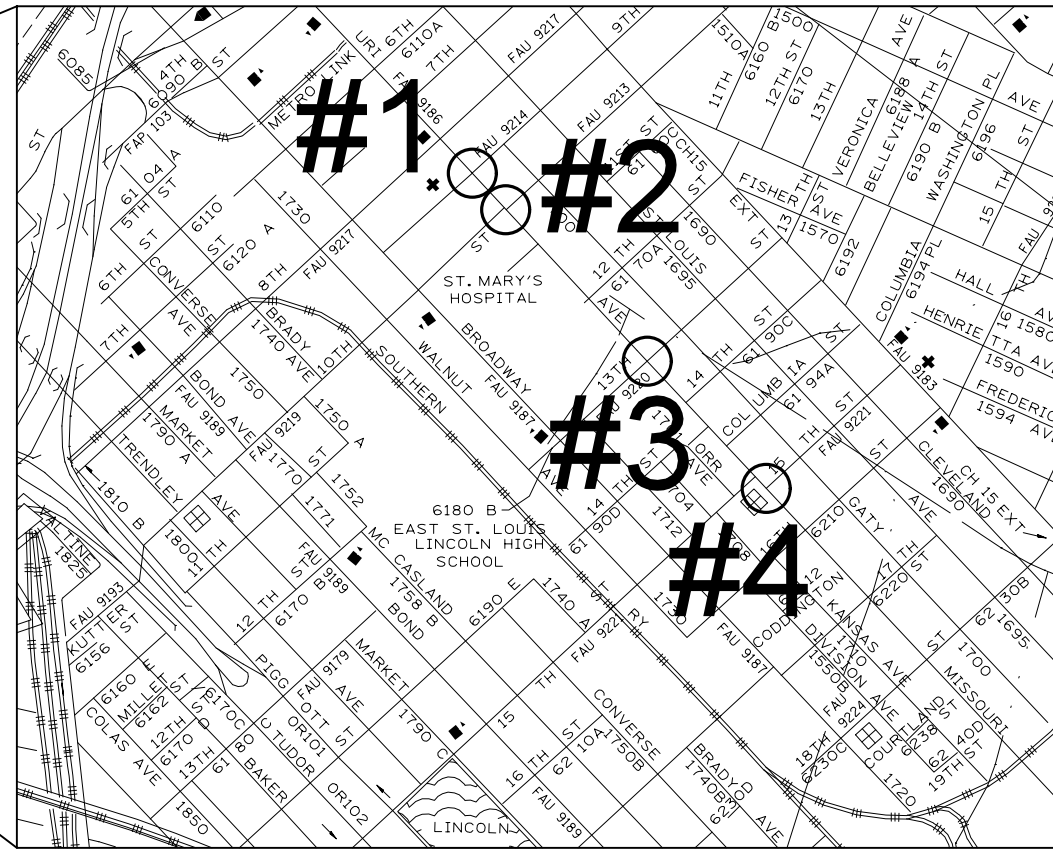
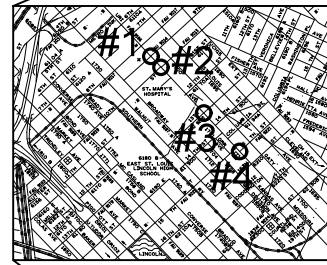
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LOCATION</b>			
<b>MAP E. ST. LOUIS, ST. CLAIR CNTY.</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

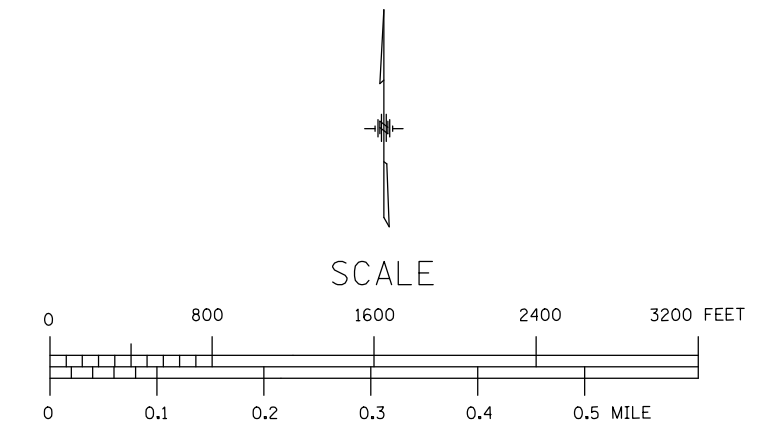
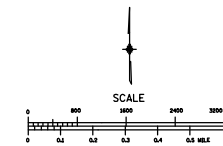
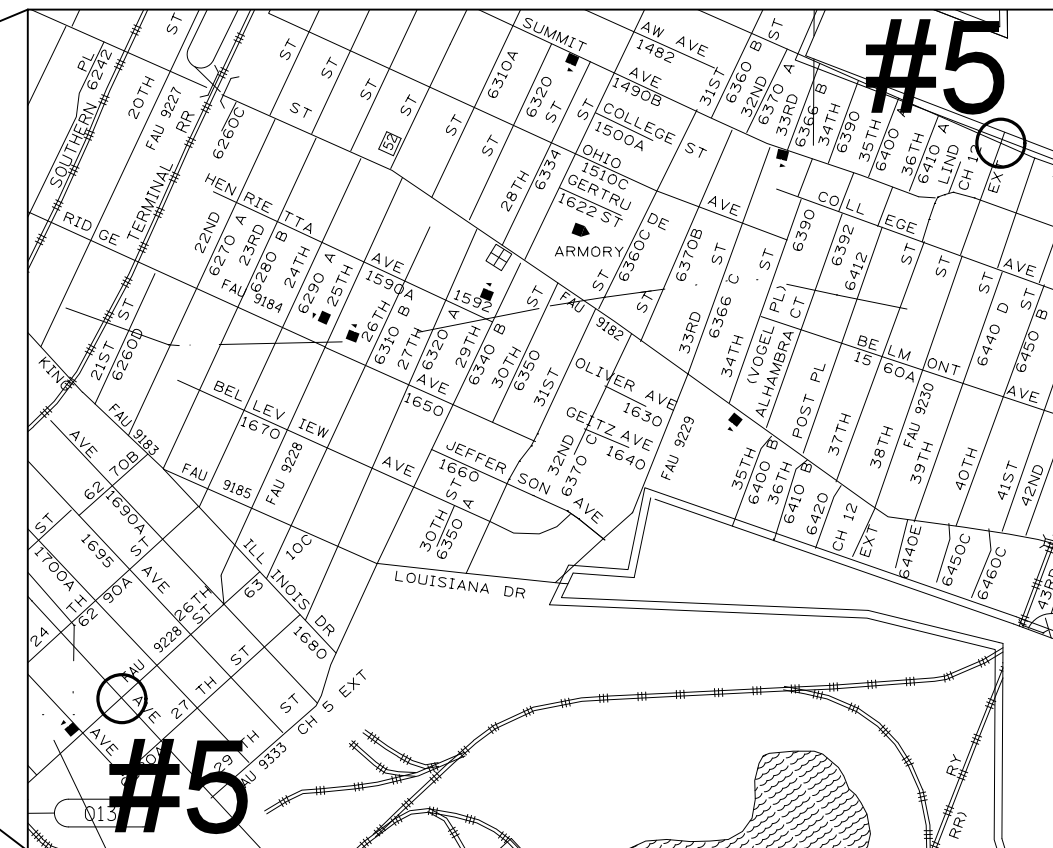
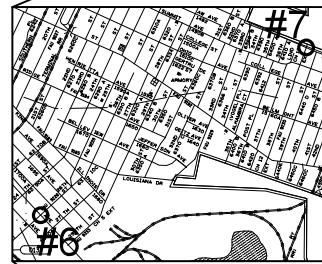
		**=CLINTON & ST. CLAIR	
RT.	SECTION	COUNTY	TOTAL SHEETS
•	Dist 8 TS 2017-2	••	116
•=VARIOUS		CONTRACT NO. 76J23	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

\*\*=CLINTON & ST. CLAIR

- #1 9TH ST & MISSOURI
- #2 10TH ST & MISSOURI
- #3 13TH & MISSOURI
- #4 15TH & MISSOURI



- #5 IL 15 & 26TH
- #6 38TH & ST CLAIR



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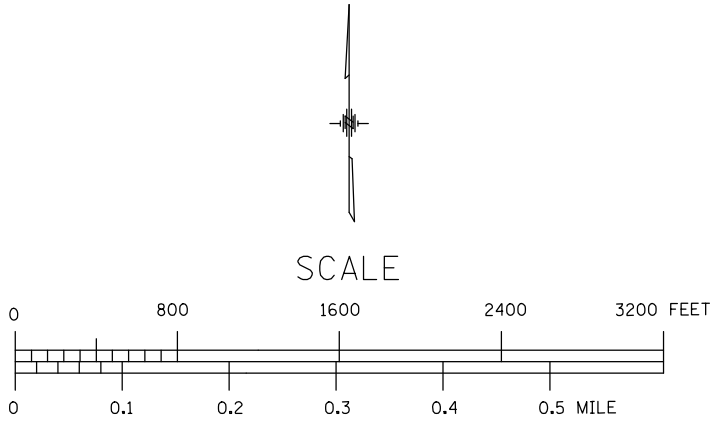
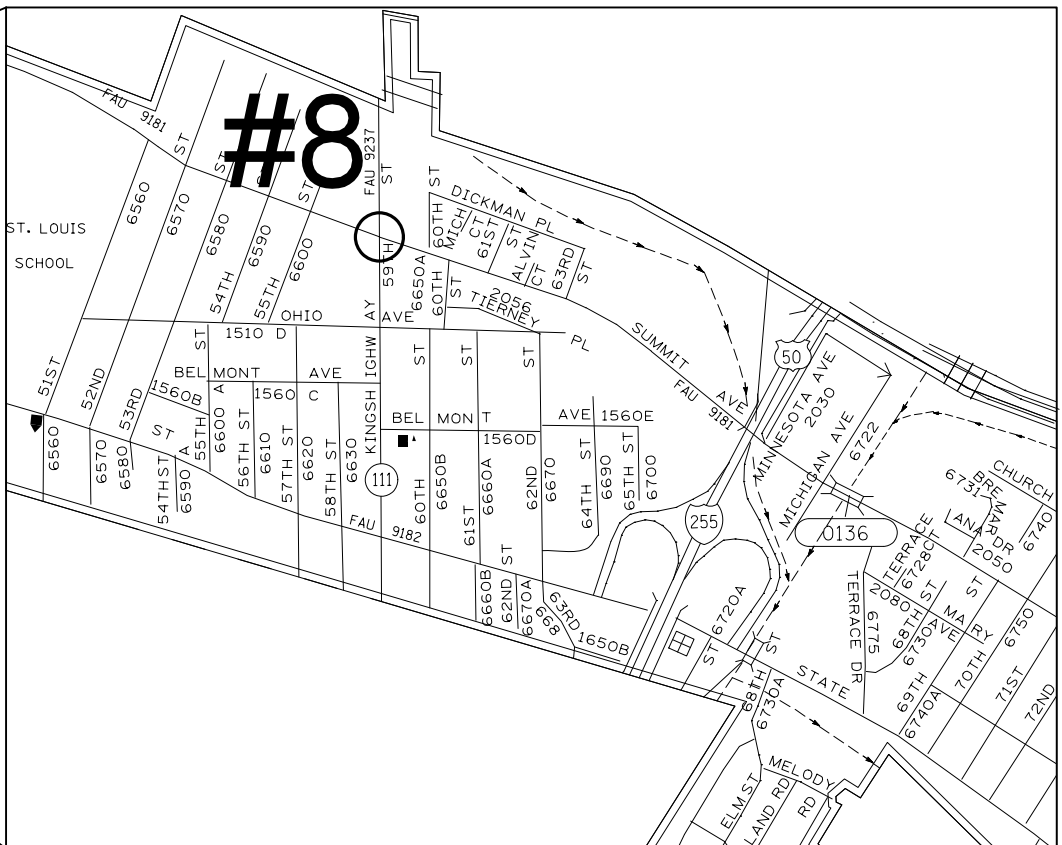
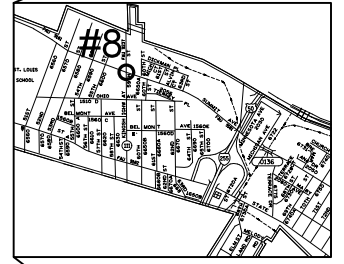
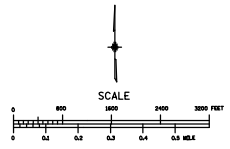
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LOCATION</b>			
<b>MAP E. ST. LOUIS, ST. CLAIR CNTY.</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-2	••	116	94
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••=CLINTON & ST. CLAIR

#8 1 IL 111 & SUMMIT



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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION  
MAP E. ST. LOUIS, ST. CLAIR CNTY.**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	95
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

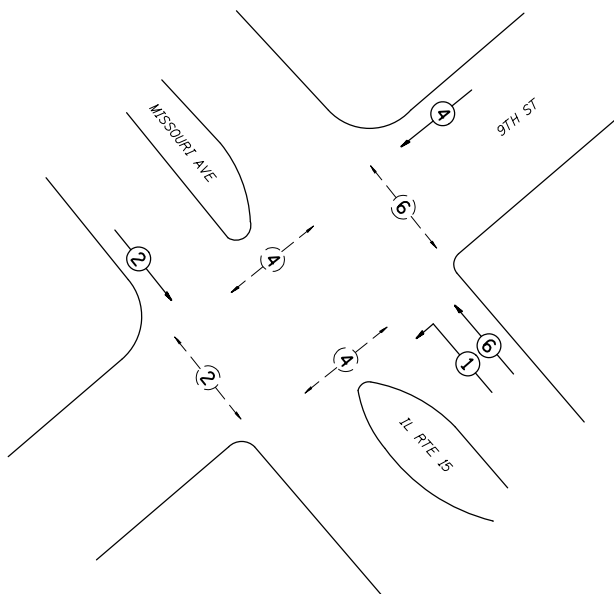
12"



PROPOSED TRAFFIC SIGNAL FACES

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

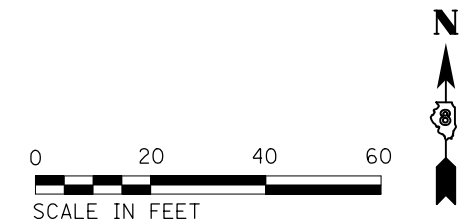
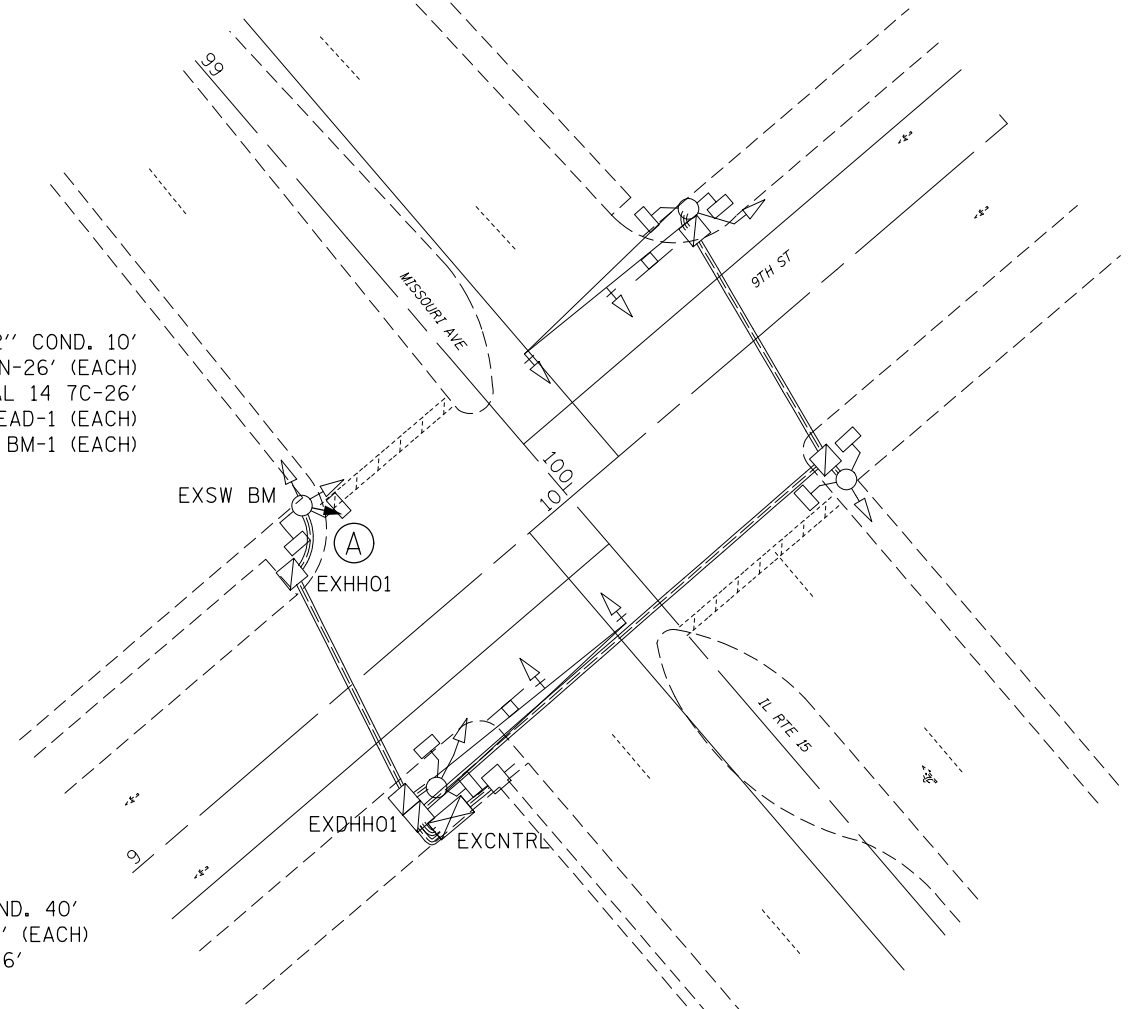


PHASE DESIGNATION DIAGRAM

EXSW BM-EXHH01, EX. 2" COND. 10'  
 4-REM & RE ELCBL FR CON-26' (EACH)  
 ELCBL C SIGNAL 14 7C-26'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH01-EXDHH01, EX. 2.5" COND. 40'  
 4-REM & RE ELCBL FR CON-46' (EACH)  
 ELCBL C SIGNAL 14 7C-46'

EXDHH01-EXCNTRL, EX. 2-4" COND. 8'  
 17-REM & RE ELCBL FR CON-24' (EACH)  
 ELCBL C SIGNAL 14 7C-24'



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

9TH ST & MISSOURI (E ST LOUIS, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

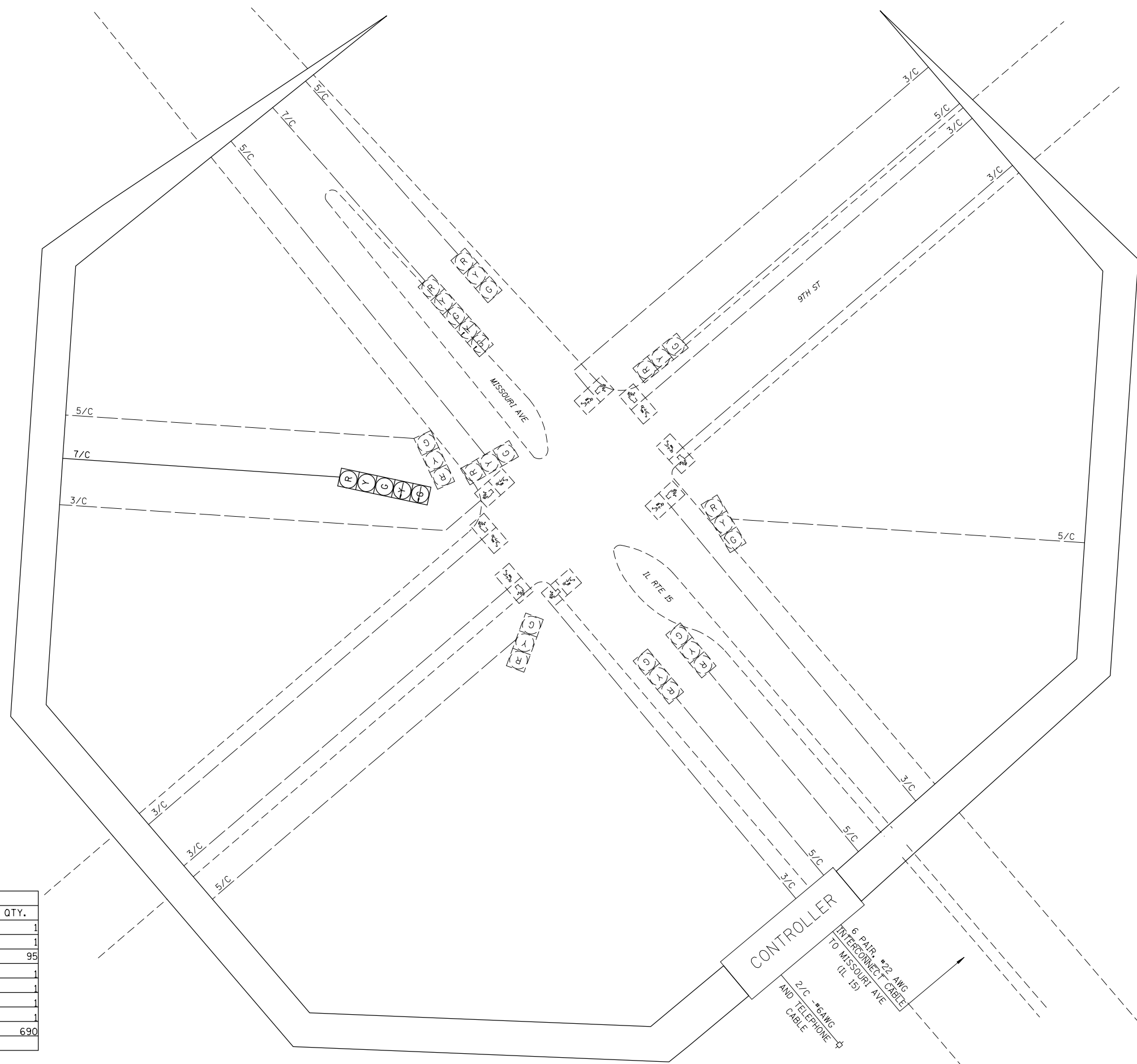
SCALE: SHEET NO. OF SHEETS STA. TO STA.

**=CLINTON & ST. CLAIR	
RTE.	SECTION
• Dist 8 TS 2017-2	**
**=VARIOUS	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
COUNTY	TOTAL SHEETS
••	116
SHEET NO.	96
CONTRACT NO. 76J23	



### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	95
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	690

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**9TH ST & MISSOURI (E ST LOUIS, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	97
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

12"



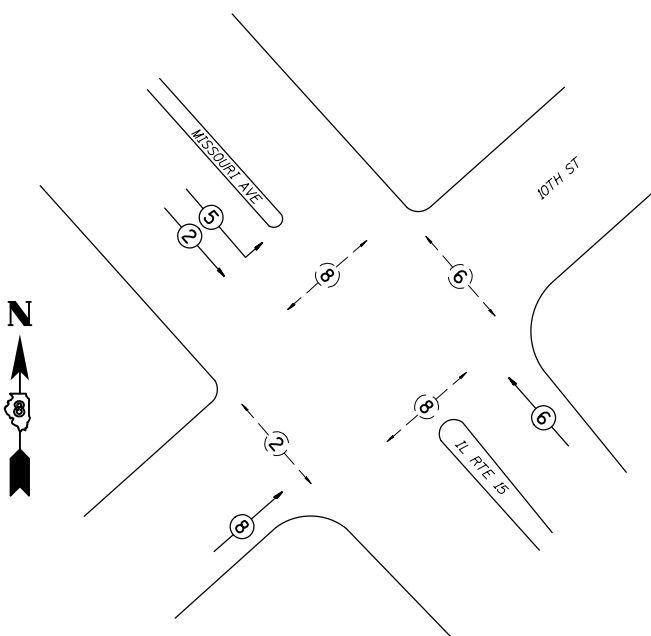
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	↘	NOT USED	NOT USED	↙	↗*	NOT USED	↖
CONCURRENT MOVEMENT PERMITTED		5 OR 6			2	2		NONE

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY



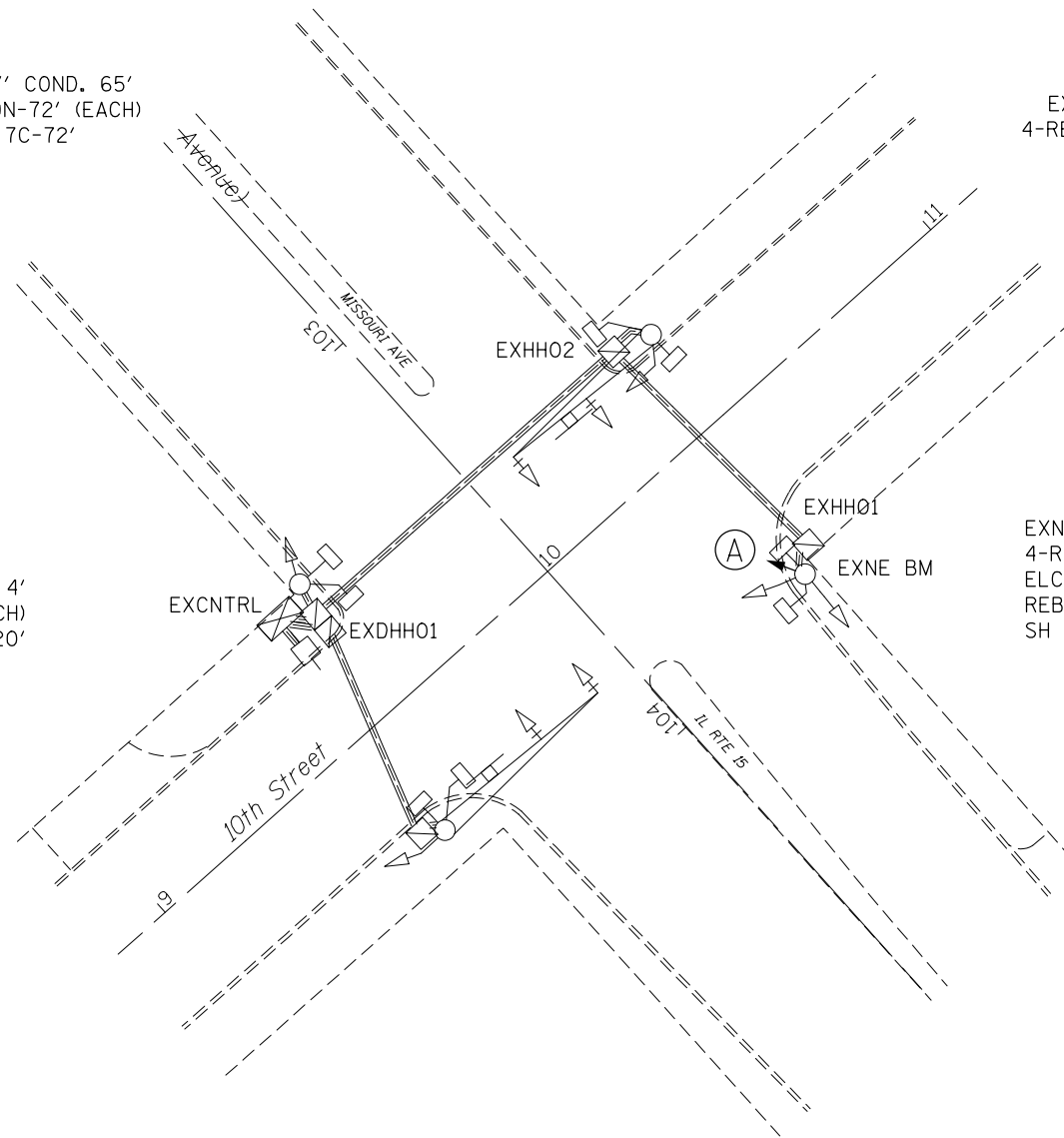
PHASE DESIGNATION DIAGRAM

EXHH02-EXDHH01, EX. 3.5" COND. 65'  
9-REM & RE ELCBL FR CON-72' (EACH)  
ELCBL C SIGNAL 14 7C-72'

EXDHH01-EXCNTRL, EX. 2-4" COND. 4'  
17-REM & RE ELCBL FR CON-20' (EACH)  
ELCBL C SIGNAL 14 7C-20'

EXHH01-EXHH02, EX. 2" COND. 44'  
4-REM & RE ELCBL FR CON-50' (EACH)  
ELCBL C SIGNAL 14 7C-50'

EXNE BM-EXHH01, EX. 2.5" COND. 2'  
4-REM & RE ELCBL FR CON-18' (EACH)  
ELCBL C SIGNAL 14 7C-18'  
REBUILD EX SIG HEAD-1 (EACH)  
SH P LED 1F 1-5 BM-1 (EACH)



\*\*\*CLINTON & ST. CLAIR

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

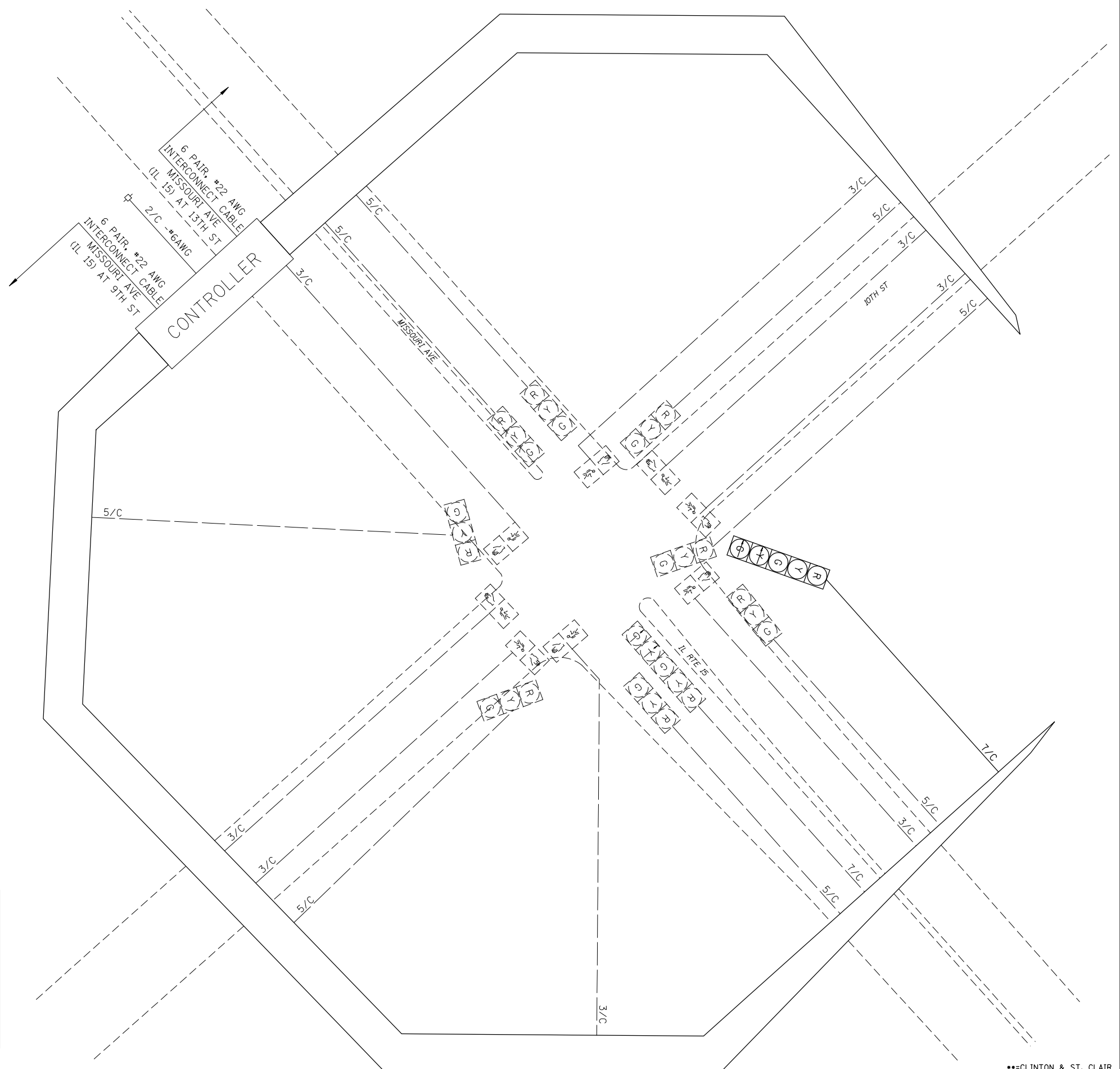
10TH ST & MISSOURI (E ST LOUIS, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	98
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



#### SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	160
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
89502330	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1256

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

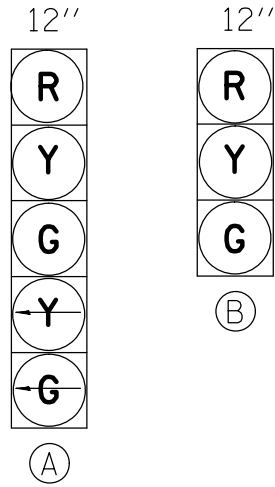
**10TH ST & MISSOURI (E ST LOUIS, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	99
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

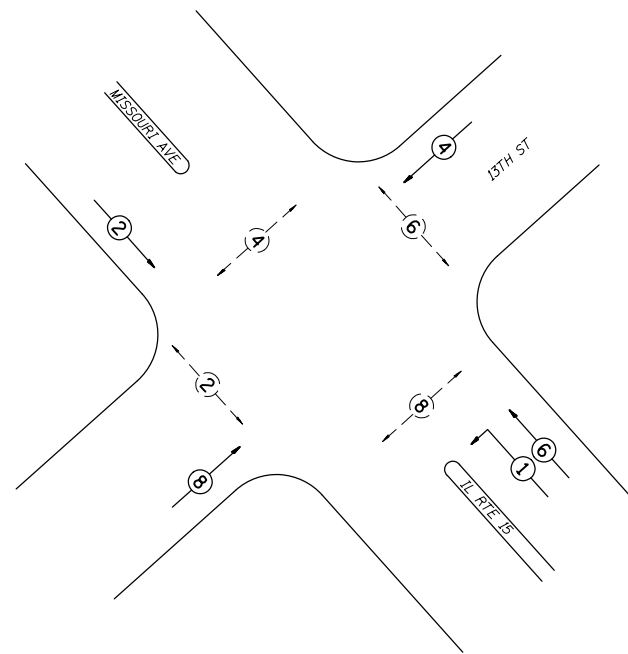


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY



PHASE DESIGNATION DIAGRAM

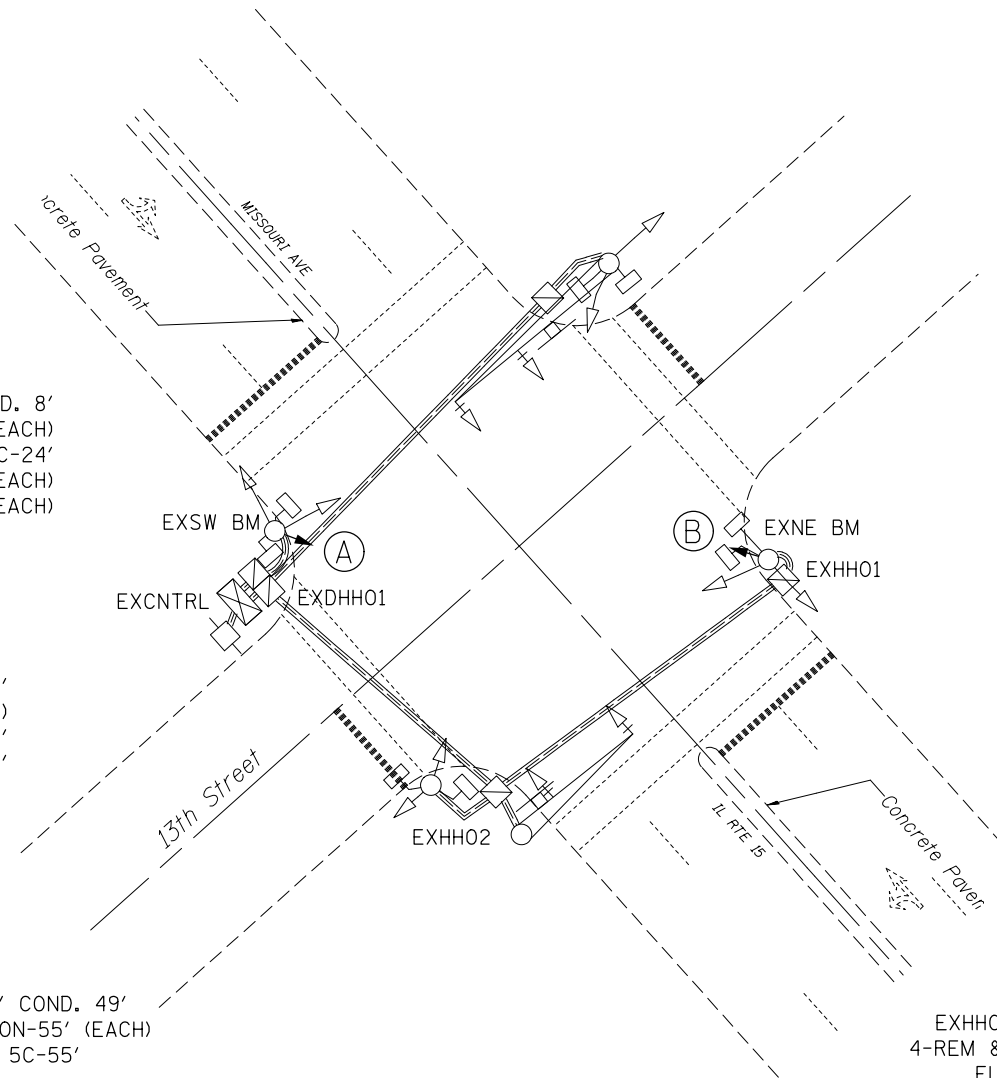
EXSW BM-EXDHH01, EX. 2" COND. 8'  
 4-REM & RE ELCBL FR CON-24' (EACH)  
 ELCBL C SIGNAL 14 7C-24'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

EXDHH01-EXCNTRL, EX. 2-4" COND. 1'  
 20-REM & RE ELCBL FR CON-17' (EACH)  
 ELCBL C SIGNAL 14 5C-17'  
 ELCBL C SIGNAL 14 7C-17'

EXHH02-EXDHH01, EX. 3" COND. 49'  
 10-REM & RE ELCBL FR CON-55' (EACH)  
 ELCBL C SIGNAL 14 5C-55'

EXNE BM-EXHH01, EX. 2" COND. 4'  
 4-REM & RE ELCBL FR CON-20' (EACH)  
 ELCBL C SIGNAL 14 5C-20'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-3 BM-1 (EACH)

EXHH01-EXHH02, EX. 2" COND. 58'  
 4-REM & RE ELCBL FR CON-65' (EACH)  
 ELCBL C SIGNAL 14 5C-65'



CLINTON & ST. CLAIR

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

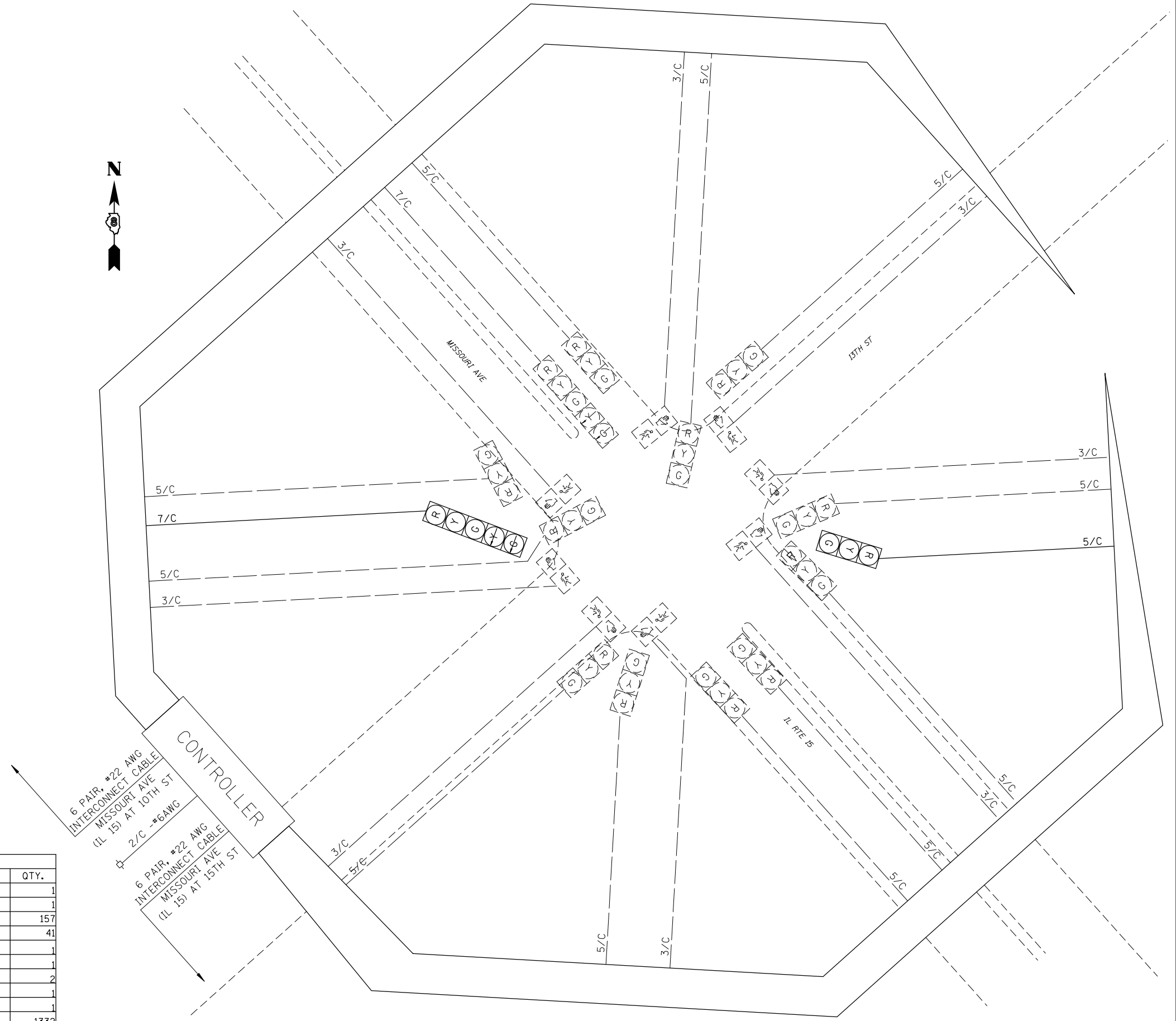
13TH & MISSOURI (E ST LOUIS, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	100
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	157
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	41
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
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	1332

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**13TH & MISSOURI (E ST LOUIS, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	101
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				

••=CLINTON & ST. CLAIR

12"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

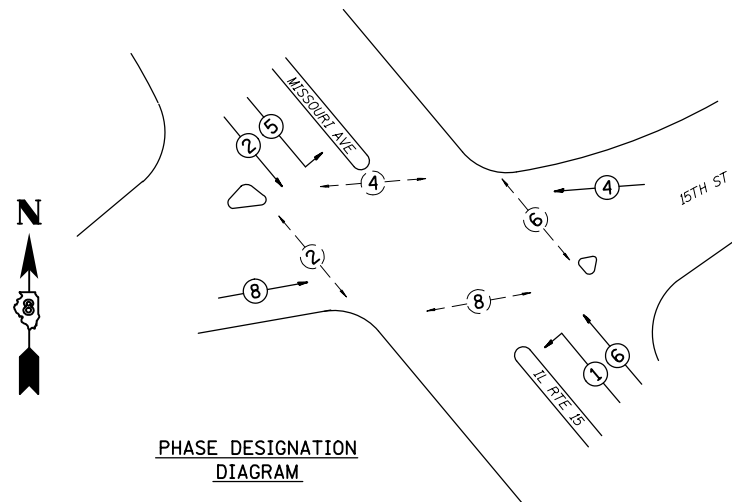
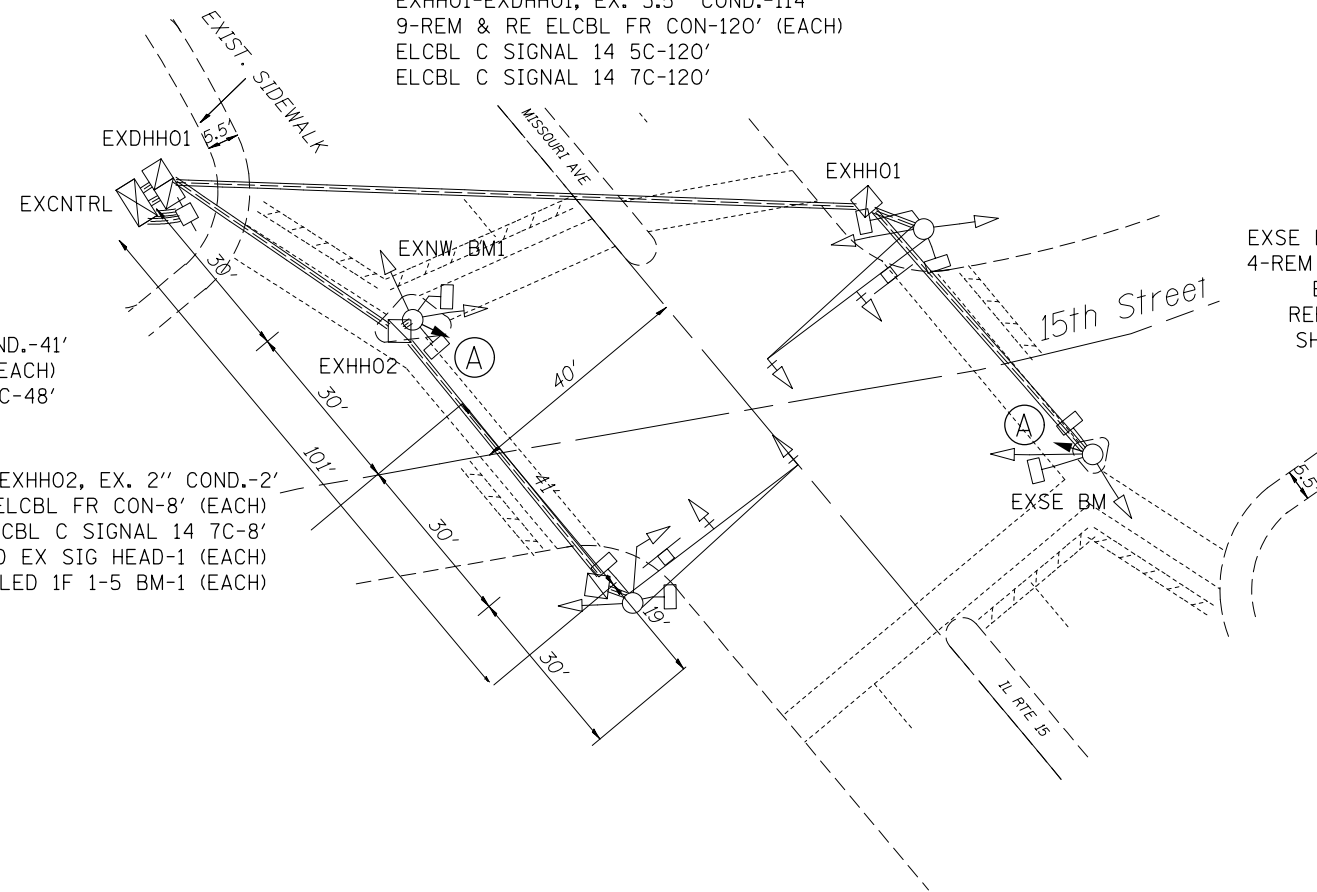
EXDHH01-EXCNTRL, EX. 2-4" COND.-2'  
 20-REM & RE ELCBL FR CON-18' (EACH)  
 2-ELCBL C SIGNAL 14 5C-18' (EACH)  
 2-ELCBL C SIGNAL 14 7C-18' (EACH)

EXHH01-EXDHH01, EX. 3.5" COND.-114'  
 9-REM & RE ELCBL FR CON-120' (EACH)  
 ELCBL C SIGNAL 14 5C-120'  
 ELCBL C SIGNAL 14 7C-120'

EXHH02-EXDHH01, EX. 3.5" COND.-41'  
 10-REM & RE ELCBL FR CON-48' (EACH)  
 ELCBL C SIGNAL 14 7C-48'

EXNW BM1-EXHH02, EX. 2" COND.-2'  
 4-REM & RE ELCBL FR CON-8' (EACH)  
 ELCBL C SIGNAL 14 7C-8'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-5 BM-1 (EACH)

EXSE BM2-EXHH01, EX. 2.5" COND.-55'  
 4-REM & RE ELCBL FR CON-71' (EACH)  
 ELCBL C SIGNAL 14 7C-71'  
 REBUILD EX SIG HEAD-1 (EACH)  
 SH P LED 1F 1-3 BM-1 (EACH)



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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

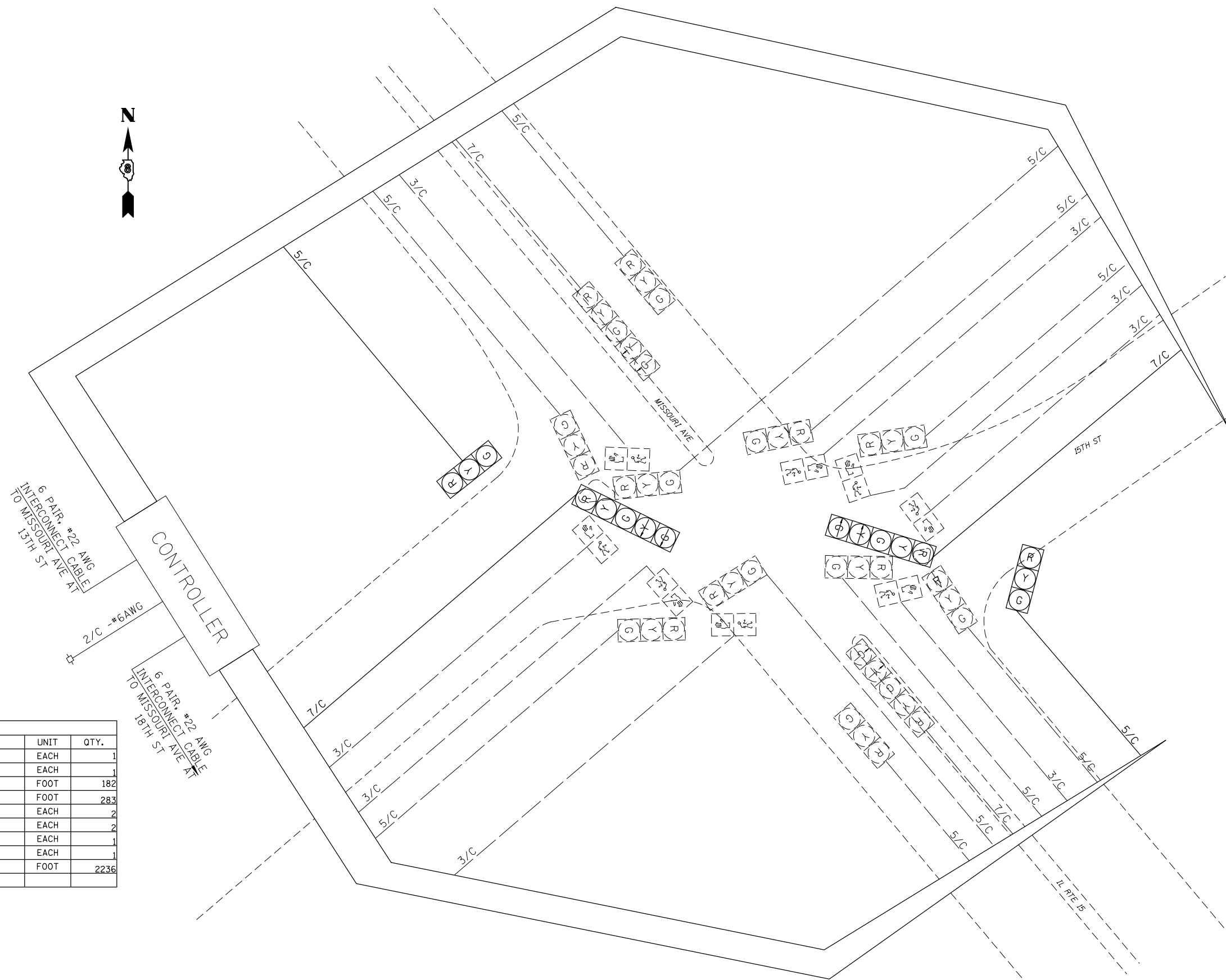
15TH & MISSOURI (E ST LOUIS, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2017-2	**	116	102
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*\*=CLINTON & ST. CLAIR

# CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301745	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	182
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	283
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 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	2236

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

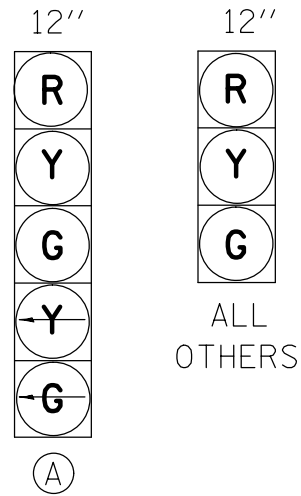
**15TH & MISSOURI (E ST LOUIS, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• Dist 8 TS 2017-2			••	116	103
••=VARIOUS		CONTRACT NO. 76J23			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR

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
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

PROPOSED TRAFFIC SIGNAL FACES

EXSW BM-EXHH03, EX. 2" COND. 11'  
 REM & RE ELCBL FR CON-62'  
 REM & RE ELCBL FR CON-27'  
 REM & RE ELCBL FR CON-20'  
 ELCBL C SIGNAL 14 5C-27'  
 ELCBL C SIGNAL 14 7C-27'

EXNW BM-EXHH01, EX. 2" COND. 3'  
 REM & RE ELCBL FR CON-53'  
 REM & RE ELCBL FR CON-19'  
 REM & RE ELCBL FR CON-12'  
 2-ELCBL C SIGNAL 14 5C-19' (EACH)

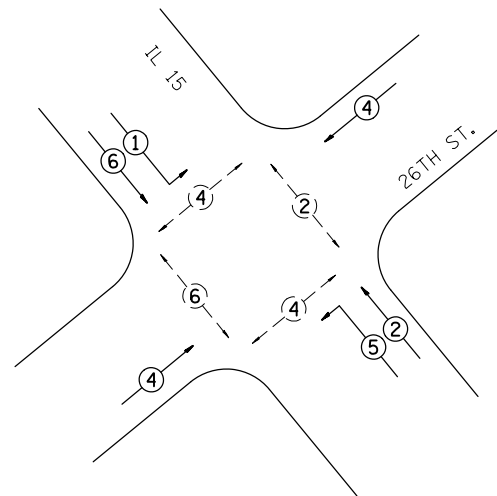
EXHH01-EXHH02, EX. 2.5" COND. 70'  
 5-REM & RE ELCBL FR CON-77' (EACH)  
 2-ELCBL C SIGNAL 14 5C-77' (EACH)

EXNE BM-EXHH02, EX. 2" COND. 8'  
 REM & RE ELCBL FR CON-59'  
 REM & RE ELCBL FR CON-24'  
 REM & RE ELCBL FR CON-17'  
 ELCBL C SIGNAL 14 5C-24'  
 ELCBL C SIGNAL 14 7C-24'

EXHH02-EXDHH01, EX. 3.5" COND. 69'  
 12-REM & RE ELCBL FR CON-76' (EACH)  
 3-ELCBL C SIGNAL 14 5C-76' (EACH)  
 ELCBL C SIGNAL 14 7C-76'

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

EXSE BM-EXDHH01, EX. 2" COND. 5'  
 REM & RE ELCBL FR CON-60'  
 REM & RE ELCBL FR CON-40'  
 REM & RE ELCBL FR CON-21'  
 REM & RE ELCBL FR CON-14'  
 2-ELCBL C SIGNAL 14 5C-21' (EACH)



PHASE DESIGNATION DIAGRAM



CLINTON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 15 & 26TH (E ST LOUIS, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN

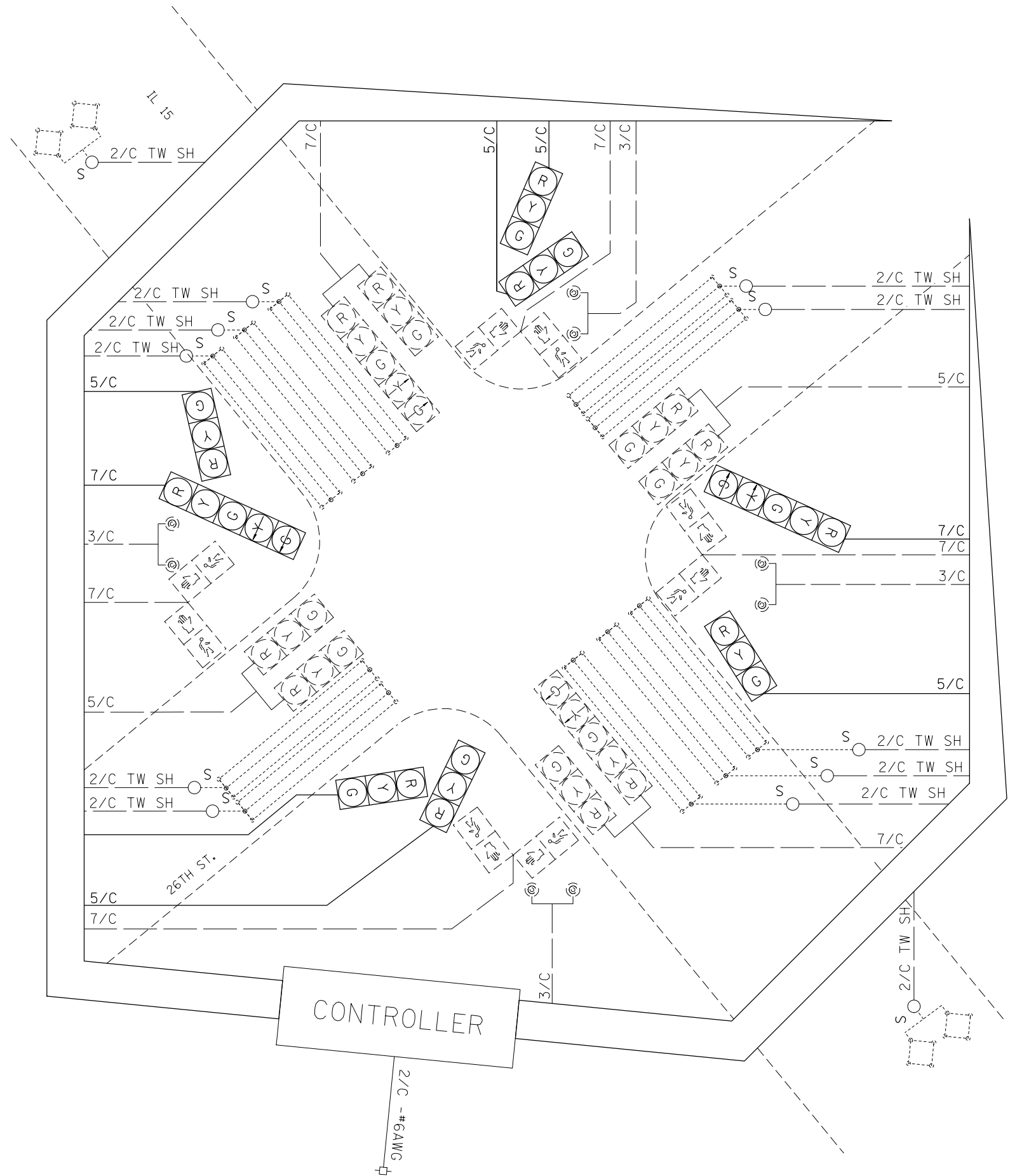
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	104
* = VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



#### SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	624
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	211
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	2392

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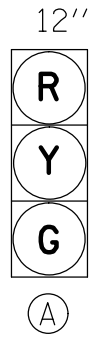
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 15 & 26TH (E ST LOUIS, ST. CLAIR CNTY.)  
WIRING DIAGRAM

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		Dist 8 TS 2017-2	••	116	105
•=VARIOUS				CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR

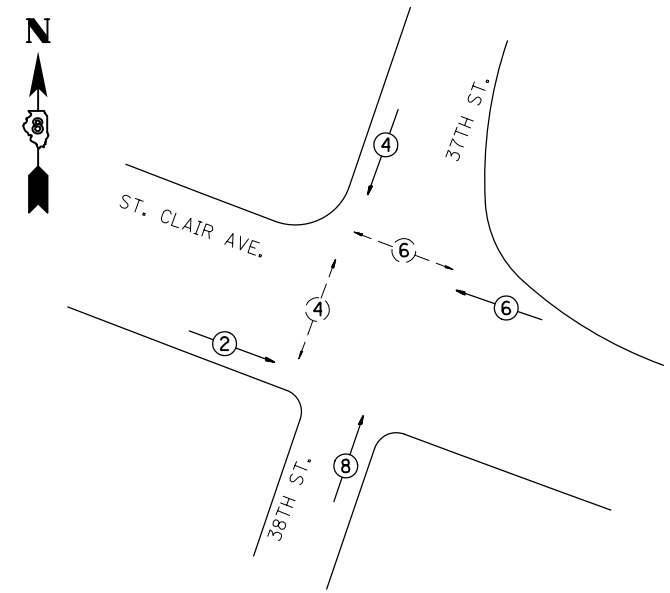


EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	→ EB	NOT USED	*↓↑ SB	NOT USED	←→ WB	NOT USED	↑ NB
CONCURRENT MOVEMENT PERMITTED		6		8		2		4

\* PEDESTRIAN MOVEMENT ON ACTUATION ONLY  
PHASES 2 & 6 AND 4 & 8 SHALL TIME CONCURRENTLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

### PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

EXNW BM-EXDHH01, EX. 2" COND. 10'  
2-REM & RE ELCBL FR CON-26' (EACH)  
2-REM & RE ELCBL FR CON-19' (EACH)  
2-ELCBL C SIGNAL 14 5C-26'  
REMOV EX TS EQUIP-1 (EACH)  
TS POST A 14-1 (EACH)  
RELOC EX TS EQUIP-1 (EACH)  
PED PUSH-BUTTON-2 (EACH)  
SH LED 2F 3S BM-1 (EACH)

EXDHH01-EXCNTRL, EX. 3" COND. 5'  
27-REM & RE ELCBL FR CON-21' (EACH)  
8-ELCBL C SIGNAL 14 5C-21'

EXDHH01-EXCNTRL, EX. 3" COND. 5'  
27-REM & RE ELCBL FR CON-21' (EACH)  
8-ELCBL C SIGNAL 14 5C-21'

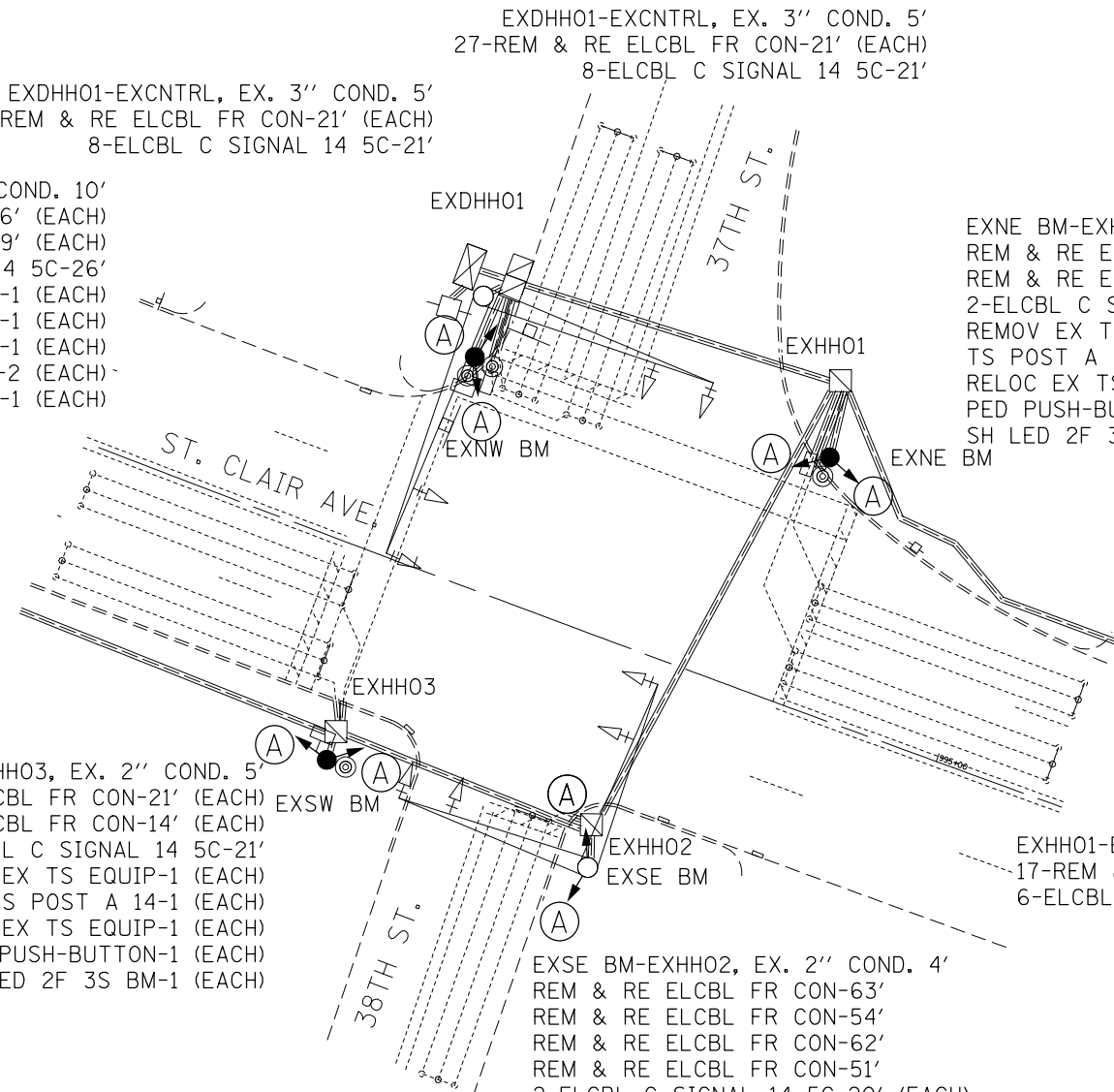
EXNE BM-EXHH01, EX. 2" COND. 12'  
REM & RE ELCBL FR CON-28' (EACH)  
REM & RE ELCBL FR CON-21' (EACH)  
2-ELCBL C SIGNAL 14 5C-28'  
REMOV EX TS EQUIP-1 (EACH)  
TS POST A 14-1 (EACH)  
RELOC EX TS EQUIP-1 (EACH)  
PED PUSH-BUTTON-1 (EACH)  
SH LED 2F 3S BM-1 (EACH)

EXSW BM-EXHH03, EX. 2" COND. 5'  
REM & RE ELCBL FR CON-21' (EACH)  
REM & RE ELCBL FR CON-14' (EACH)  
2-ELCBL C SIGNAL 14 5C-21'  
REMOV EX TS EQUIP-1 (EACH)  
TS POST A 14-1 (EACH)  
RELOC EX TS EQUIP-1 (EACH)  
PED PUSH-BUTTON-1 (EACH)  
SH LED 2F 3S BM-1 (EACH)

EXHH03-EXHH02, EX. 2" COND. 45'  
6-REM & RE ELCBL FR CON-52' (EACH)  
2-ELCBL C SIGNAL 14 5C-52'

EXSE BM-EXHH02, EX. 2" COND. 4'  
REM & RE ELCBL FR CON-63'  
REM & RE ELCBL FR CON-54'  
REM & RE ELCBL FR CON-62'  
REM & RE ELCBL FR CON-51'  
2-ELCBL C SIGNAL 14 5C-20' (EACH)  
SH LED 2F 3S BM-1 (EACH)

EXHH01-EXDHH01, EX. 2" COND. 57'  
17-REM & RE ELCBL FR CON-64' (EACH)  
6-ELCBL C SIGNAL 14 5C-64'



CLINTON & ST. CLAIR

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

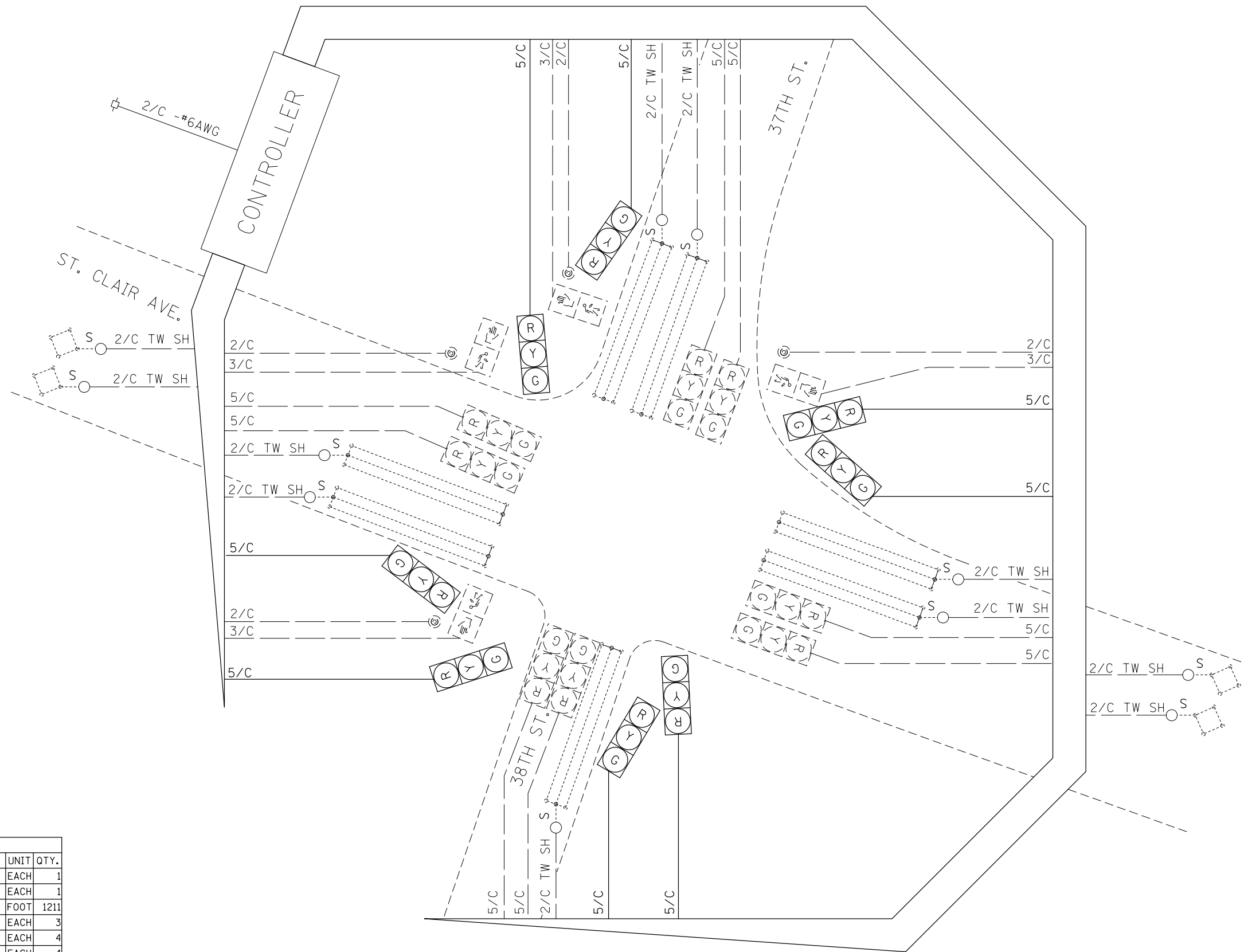
38 TH & ST CLAIR (E ST LOUIS, ST. CLAIR CNTY.)  
TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	106
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1211
87402680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	3
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 2-3-SECTION, BRACKET MOUNTED	EACH	4
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3372
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

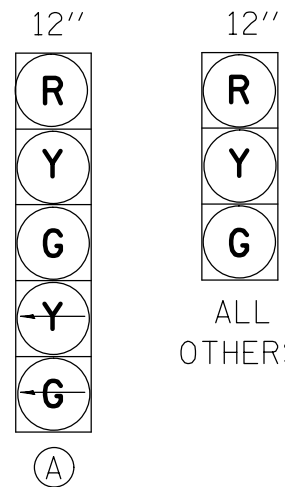
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**38 TH & ST CLAIR (E ST LOUIS, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		Dist 8 TS 2017-2	••	116	107
••=VARIOUS		CONTRACT NO. 76J23			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR



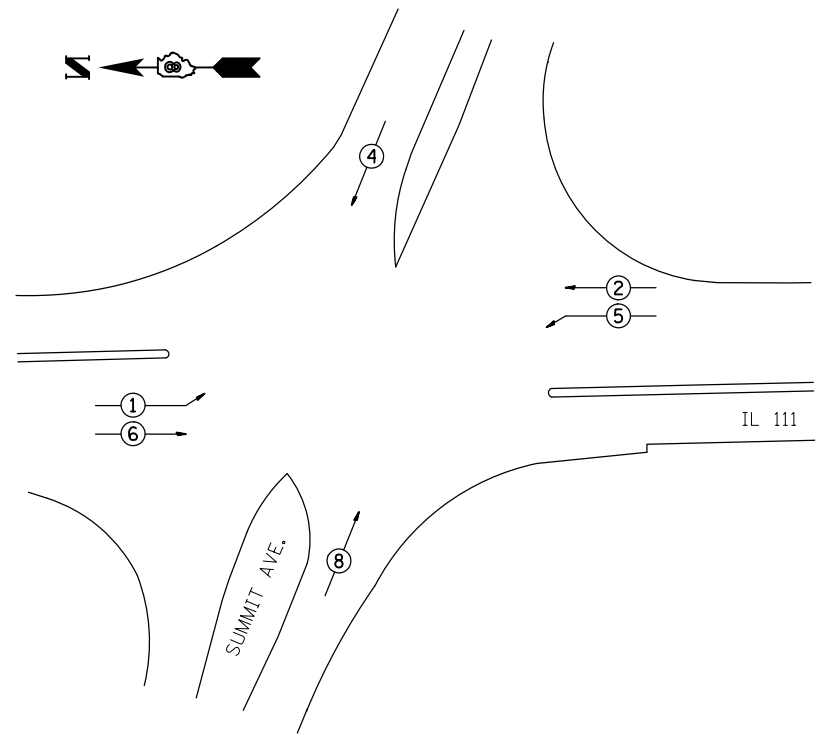
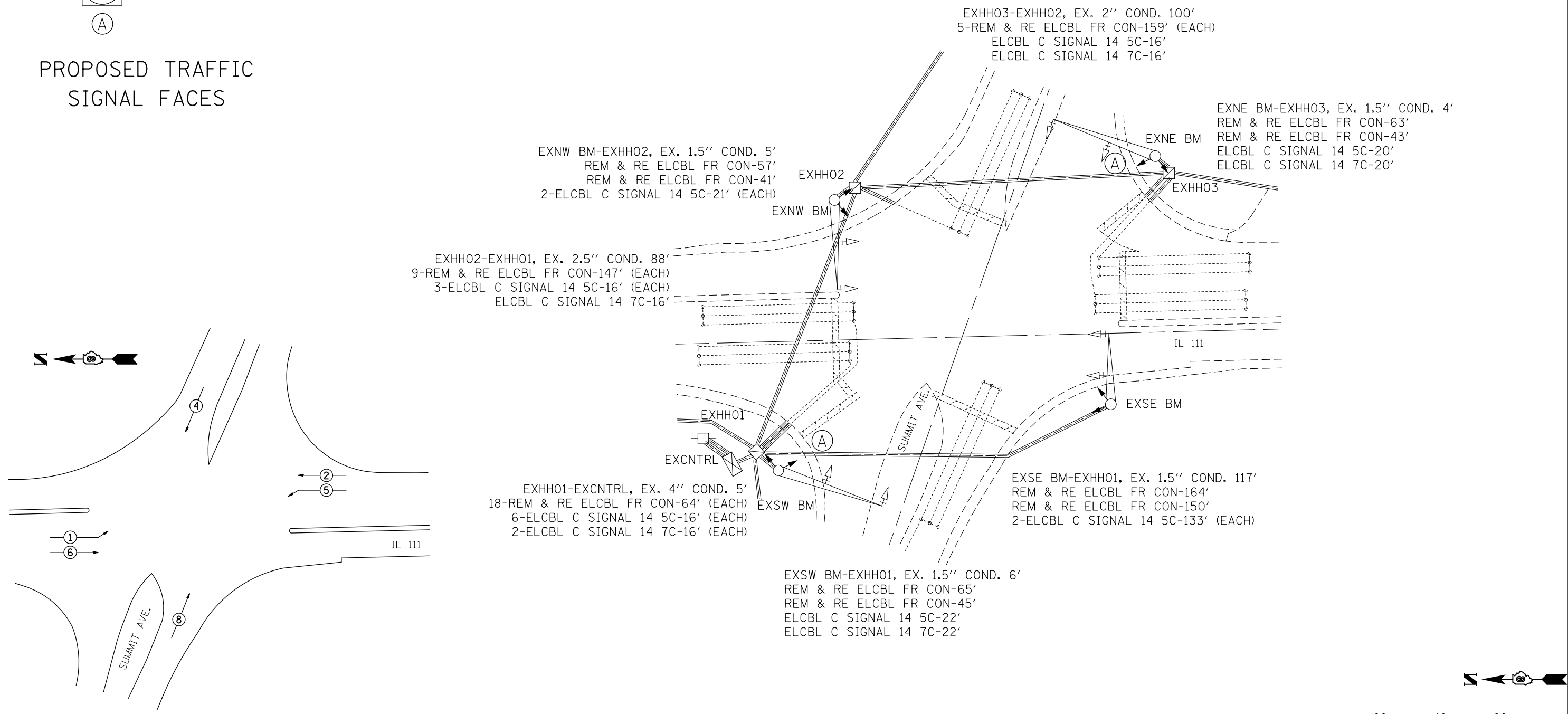
PROPOSED TRAFFIC SIGNAL FACES

\*EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	NOT USED	↓	↔	→	NOT USED	↑
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

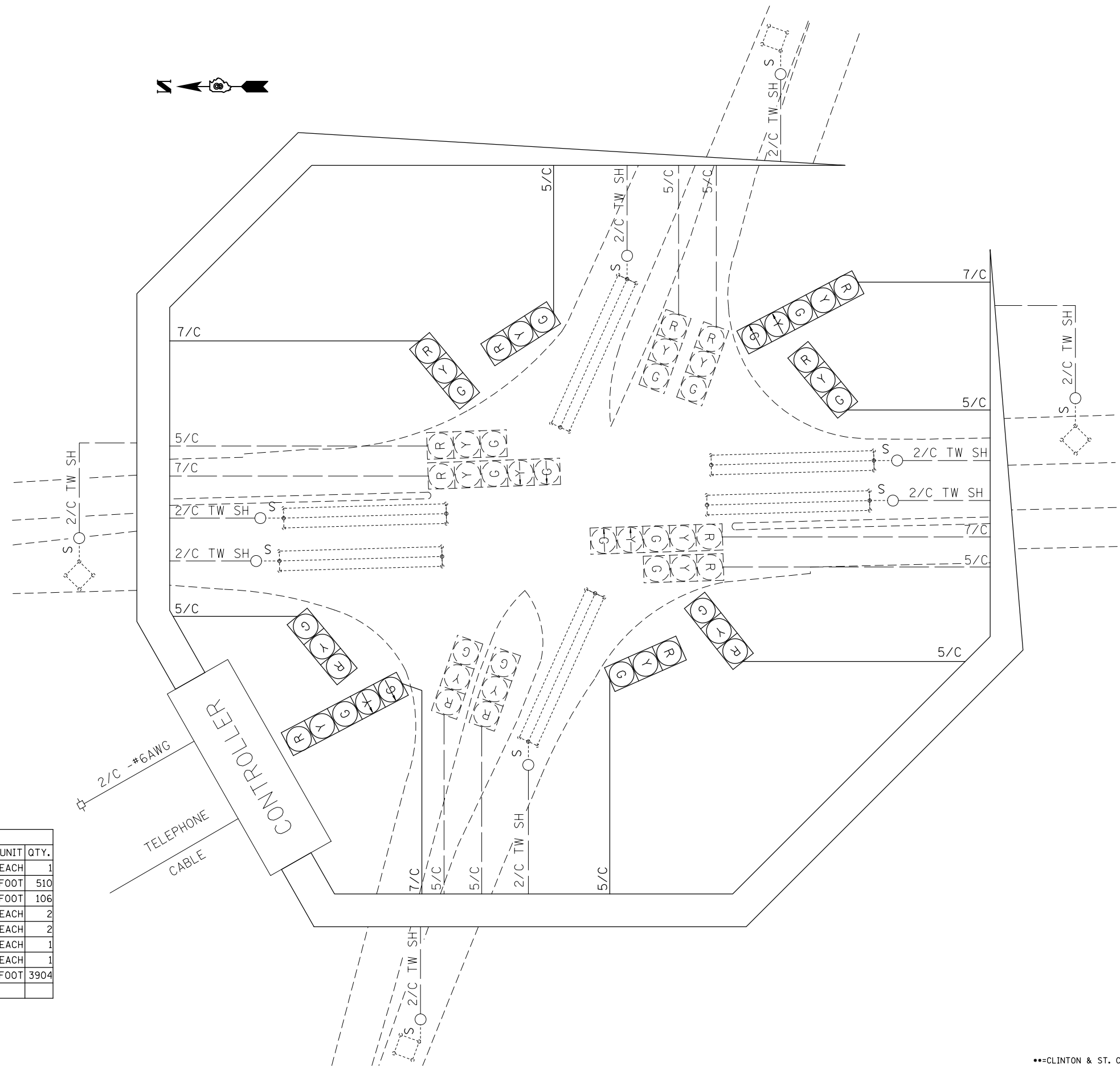
\* WITH INTERSECTION MONITOR PHASES 4 & 8 SHALL TIME CONCURRENTLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



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	510
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	106
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	3904

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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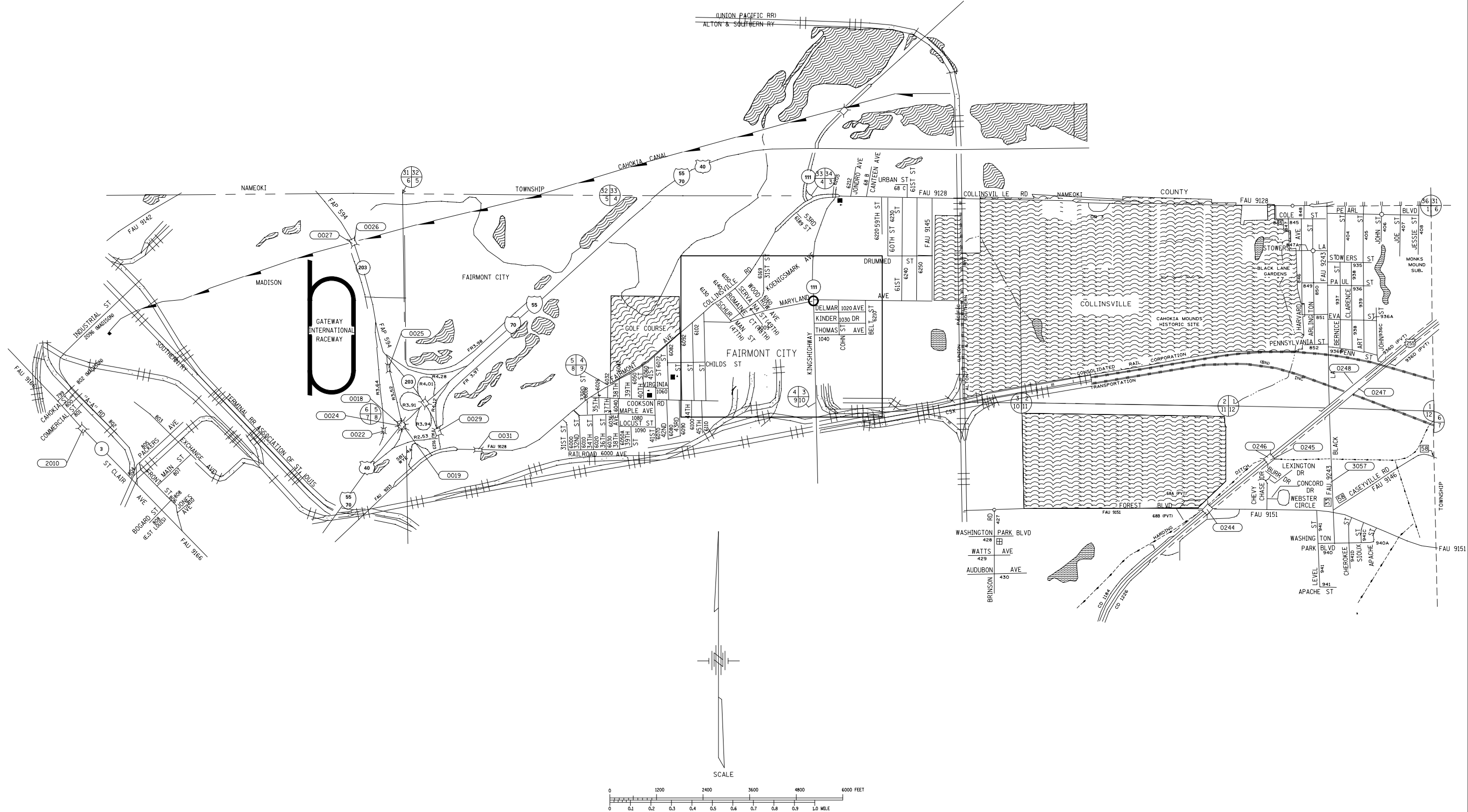
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 111 & SUMMIT (E ST LOUIS, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• Dist 8 TS 2017-2		••	••	116	109
••=VARIOUS		CONTRACT NO. 76J23			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=CLINTON & ST. CLAIR



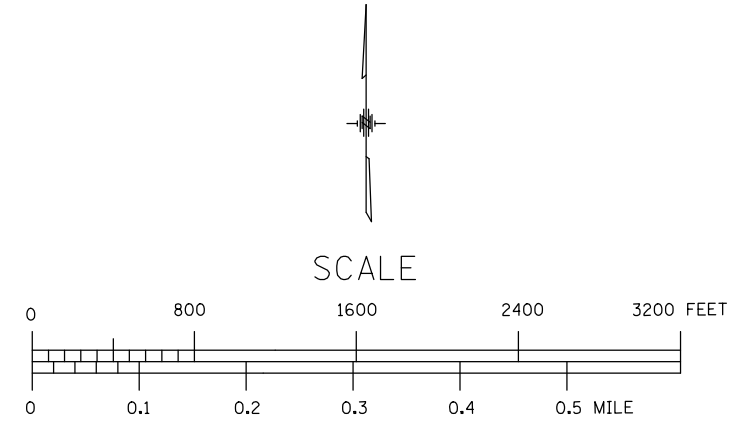
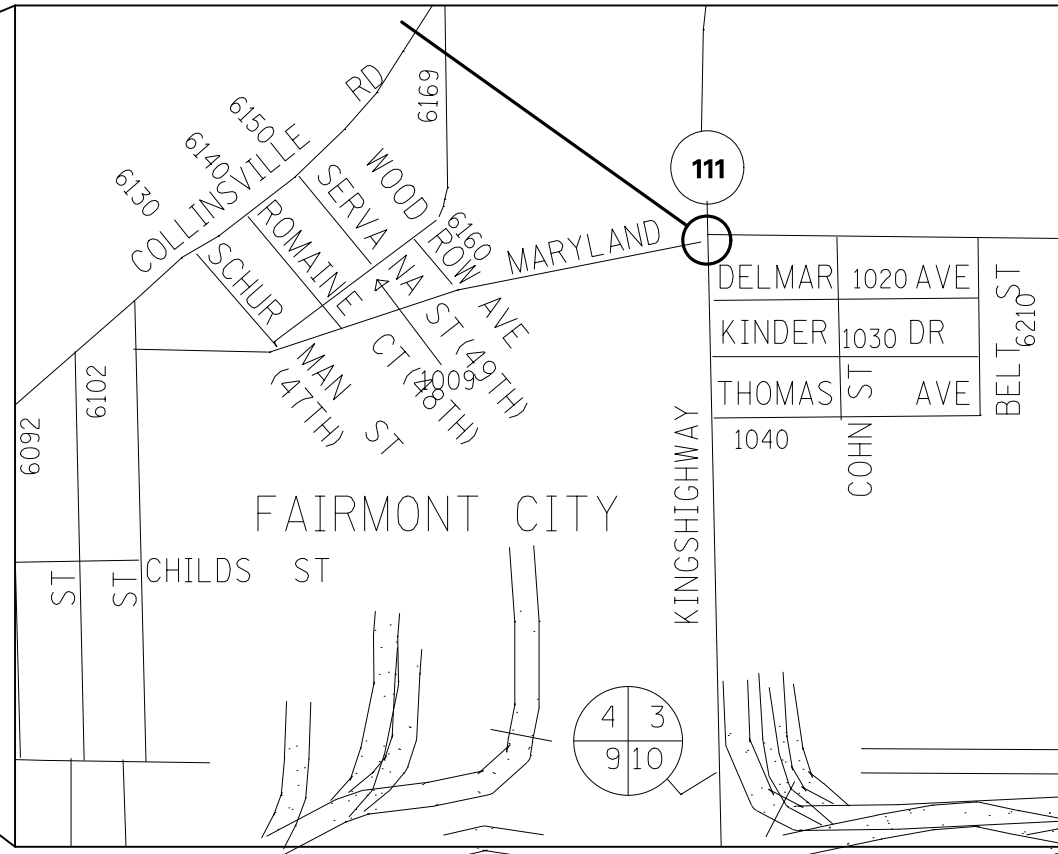
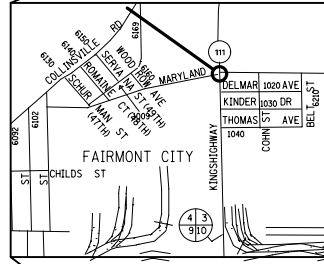
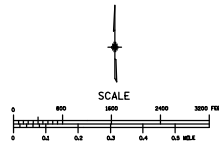
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	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LOCATION MAP FAIRMONT CITY, ST. CLAIR CNTY.</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

		**=CLINTON & ST. CLAIR	
RT.	SECTION	COUNTY	TOTAL SHEETS
	Dist 8 TS 2017-2	**	116
		CONTRACT NO. 76J23	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	SHEET NO.
			110

IL 111 & MARYLAND



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	PLOT DATE = 3/16/2017	DATE -	REVISED -

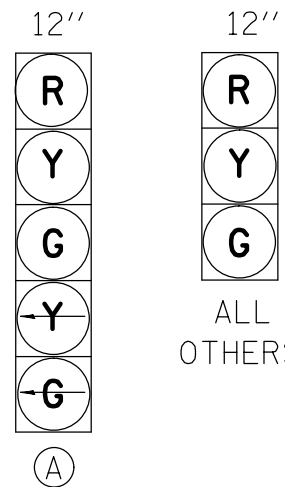
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION  
MAP FAIRMONT CITY, ST. CLAIR CNTY.**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	111
••=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

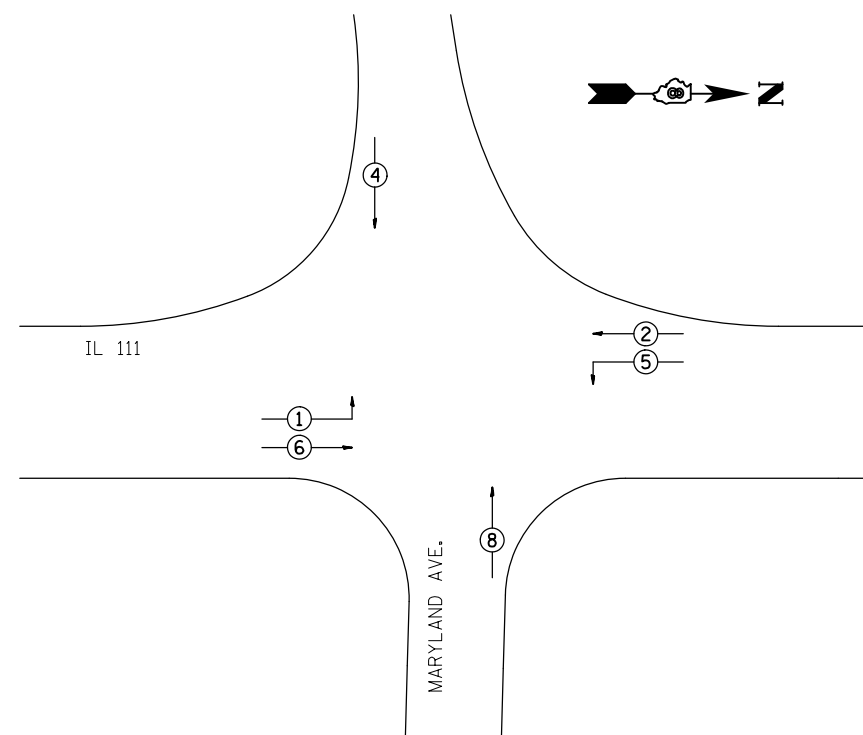


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXDHHO2-EXDHHO1, EX. 3" COND. 73'  
 9-REM & RE ELCBL FR CON-131' (EACH)  
 3-ELCBL C SIGNAL 14 5C-16' (EACH)  
 ELCBL C SIGNAL 14 7C-16'

EXNW BM-EXDHHO2, EX. 2" COND. 4'  
 REM & RE ELCBL FR CON-63'  
 REM & RE ELCBL FR CON-51'  
 2-ELCBL C SIGNAL 14 5C-20' (EACH)

EXDHHO3-EXDHHO2, EX. 2" COND. 93'  
 5-REM & RE ELCBL FR CON-152' (EACH)  
 ELCBL C SIGNAL 14 5C-16'  
 ELCBL C SIGNAL 14 7C-16'

EXNE BM-EXDHHO3, EX. 2" COND. 7'  
 REM & RE ELCBL FR CON-66'  
 REM & RE ELCBL FR CON-46'  
 ELCBL C SIGNAL 14 5C-23'  
 ELCBL C SIGNAL 14 7C-23'

EXDHHO1-EXCNTRL, EX. 4" COND. 4'  
 17-REM & RE ELCBL FR CON-63' (EACH)  
 6-ELCBL C SIGNAL 14 5C-16' (EACH)  
 2-ELCBL C SIGNAL 14 7C-16' (EACH)

EXSW BM-EXDHHO1, EX. 2" COND. 6'  
 REM & RE ELCBL FR CON-53'  
 REM & RE ELCBL FR CON-41'  
 ELCBL C SIGNAL 14 5C-22'  
 ELCBL C SIGNAL 14 7C-22'

EXSE BM-EXDHHO1, EX. 2" COND. 5'  
 REM & RE ELCBL FR CON-64'  
 REM & RE ELCBL FR CON-47'  
 2-ELCBL C SIGNAL 14 5C-21' (EACH)

EXDHHO1-EXDHHO1, EX. 2" COND. 63'  
 3-REM & RE ELCBL FR CON-122' (EACH)  
 2-ELCBL C SIGNAL 14 5C-16' (EACH)

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 111 & MARYLAND (FAIRMONT CITY, ST. CLAIR CNTY.)  
 TRAFFIC SIGNAL PLAN



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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PLOT DATE = 3/16/2017		DATE -	REVISED -

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

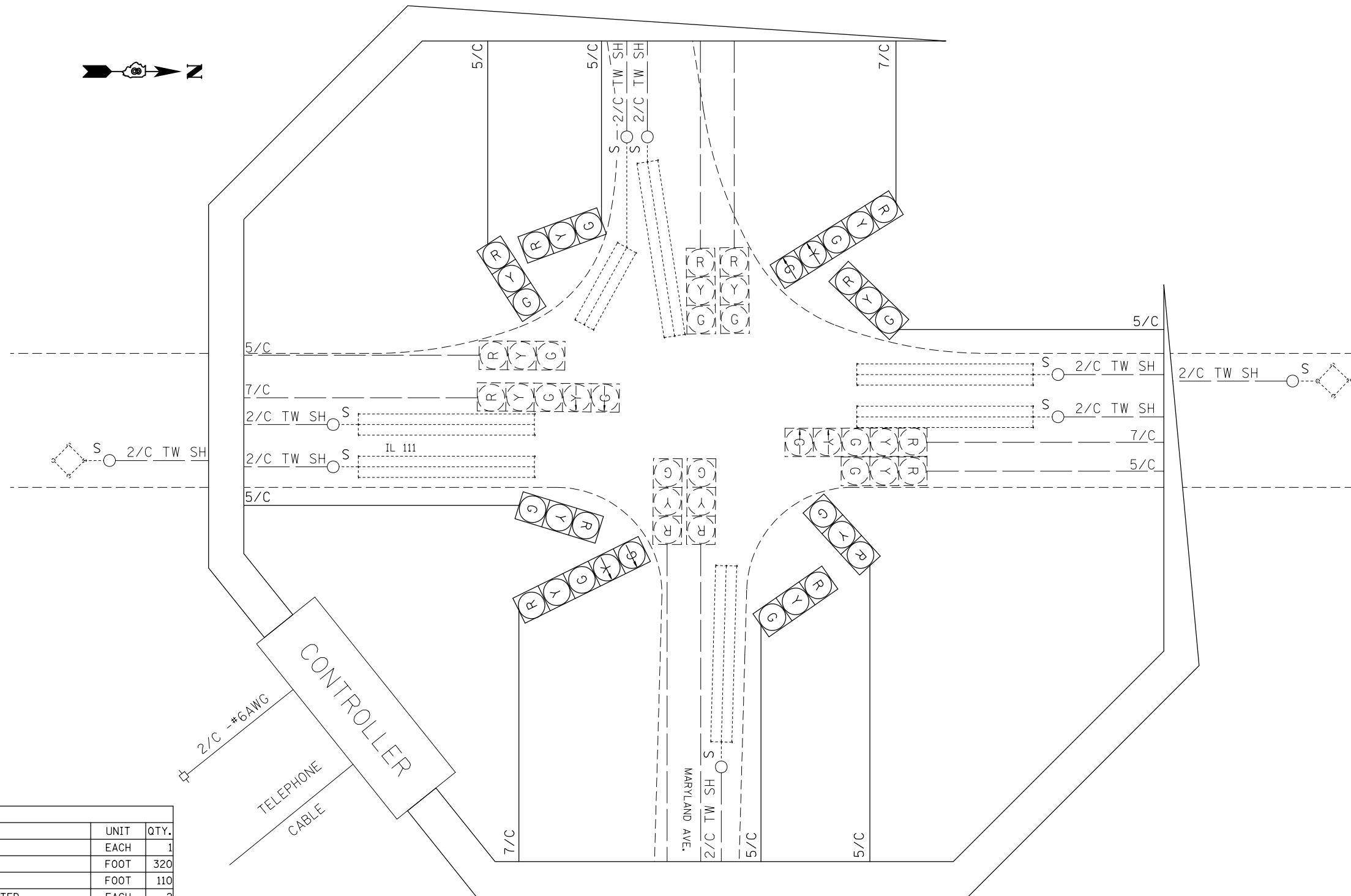
\*\*\*CLINTON & ST. CLAIR

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	112
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- <sup>S</sup> EXISTING 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
- EXISTING SERVICE INSTALLATION



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	320
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	110
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	3818

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	PLOT DATE = 3/16/2017	DATE -	REVISED -

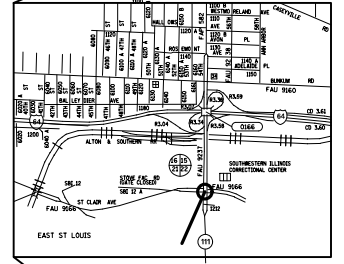
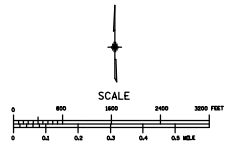
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 111 & MARYLAND (FAIRMONT CITY, ST. CLAIR CNTY.)  
WIRING DIAGRAM

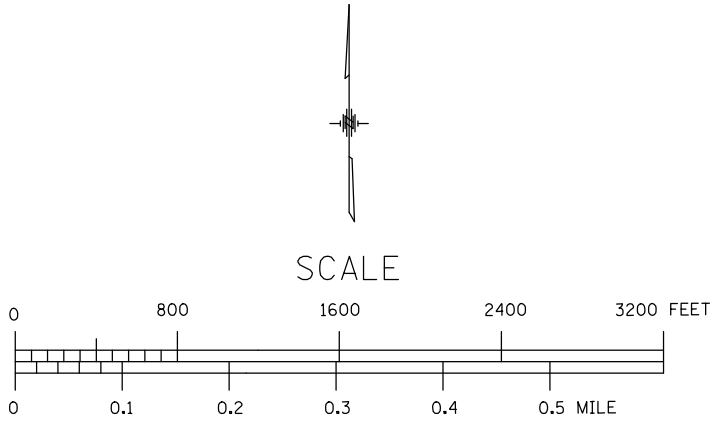
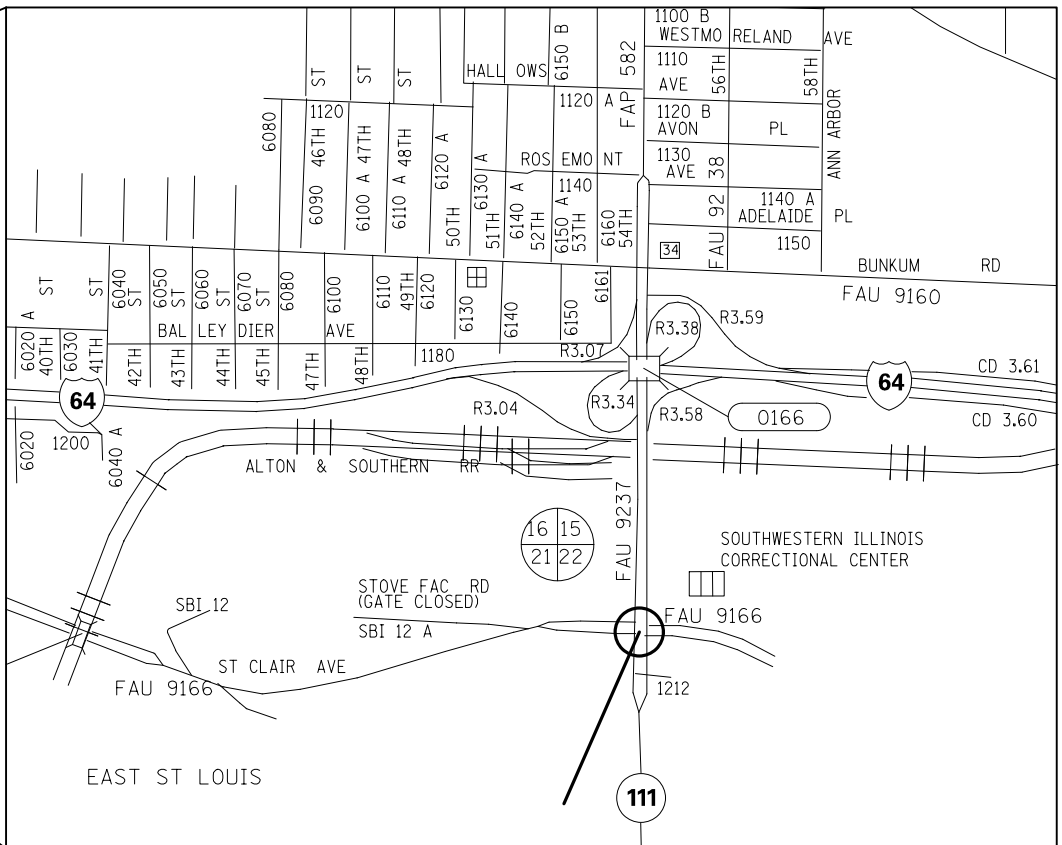
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• Dist 8 TS 2017-2			**	116	113
**=VARIOUS				CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	

\*\*=CLINTON & ST. CLAIR



IL 111 & ST CLAIR



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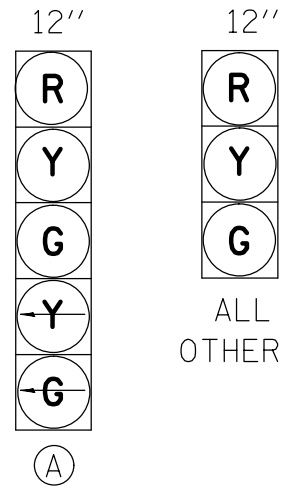
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION  
MAP WASHINGTON PARK, ST. CLAIR CNTY.**

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	••	116	114
•=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=CLINTON & ST. CLAIR

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



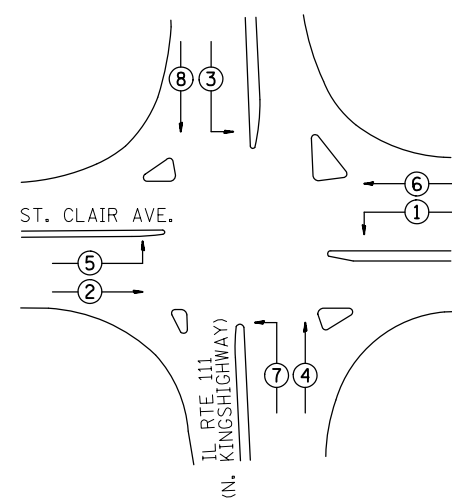
PROPOSED TRAFFIC SIGNAL FACES

\*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	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

\* WITH INTERSECTION MONITOR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXHH04-EXHH03, EX. 2.5" COND. 70'  
12-REM & RE ELCBL FR CON-129' (EACH)  
2-ELCBL C SIGNAL 14 5C-16' (EACH)  
2-ELCBL C SIGNAL 14 7C-16' (EACH)

EXNE BM-EXHH04, EX. 2" COND. 6'  
REM & RE ELCBL FR CON-73'  
REM & RE ELCBL FR CON-70'  
REM & RE ELCBL FR CON-43'  
ELCBL C SIGNAL 14 5C-22'  
ELCBL C SIGNAL 14 7C-22'

EXHH05-EXHH04, EX. 2" COND. 97'  
9-REM & RE ELCBL FR CON-156' (EACH)  
ELCBL C SIGNAL 14 5C-16'  
ELCBL C SIGNAL 14 7C-16'

EXSW BM-EXHH05, EX. 2" COND. 42'  
REM & RE ELCBL FR CON-109'  
REM & RE ELCBL FR CON-107'  
REM & RE ELCBL FR CON-82'  
ELCBL C SIGNAL 14 5C-58'  
ELCBL C SIGNAL 14 7C-58'

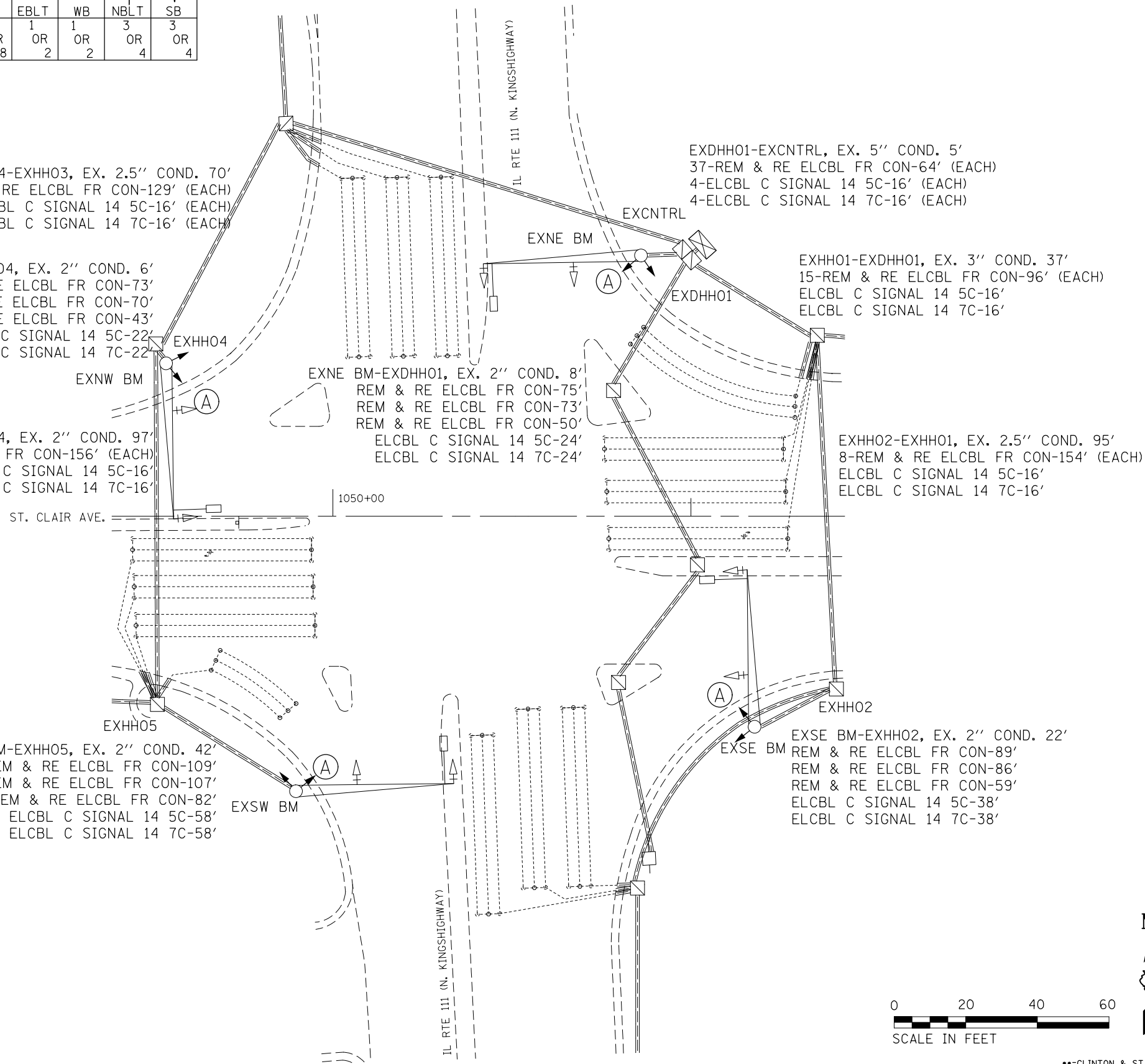
EXHH03-EXDHH01, EX. 3.5" COND. 70'  
17-REM & RE ELCBL FR CON-129' (EACH)  
2-ELCBL C SIGNAL 14 5C-16' (EACH)  
2-ELCBL C SIGNAL 14 7C-16' (EACH)

EXDHH01-EXCNTRL, EX. 5" COND. 5'  
37-REM & RE ELCBL FR CON-64' (EACH)  
4-ELCBL C SIGNAL 14 5C-16' (EACH)  
4-ELCBL C SIGNAL 14 7C-16' (EACH)

EXHH01-EXDHH01, EX. 3" COND. 37'  
15-REM & RE ELCBL FR CON-96' (EACH)  
ELCBL C SIGNAL 14 5C-16'  
ELCBL C SIGNAL 14 7C-16'

EXHH02-EXHH01, EX. 2.5" COND. 95'  
8-REM & RE ELCBL FR CON-154' (EACH)  
ELCBL C SIGNAL 14 5C-16'  
ELCBL C SIGNAL 14 7C-16'

EXSE BM-EXHH02, EX. 2" COND. 22'  
REM & RE ELCBL FR CON-89'  
REM & RE ELCBL FR CON-86'  
REM & RE ELCBL FR CON-59'  
ELCBL C SIGNAL 14 5C-38'  
ELCBL C SIGNAL 14 7C-38'

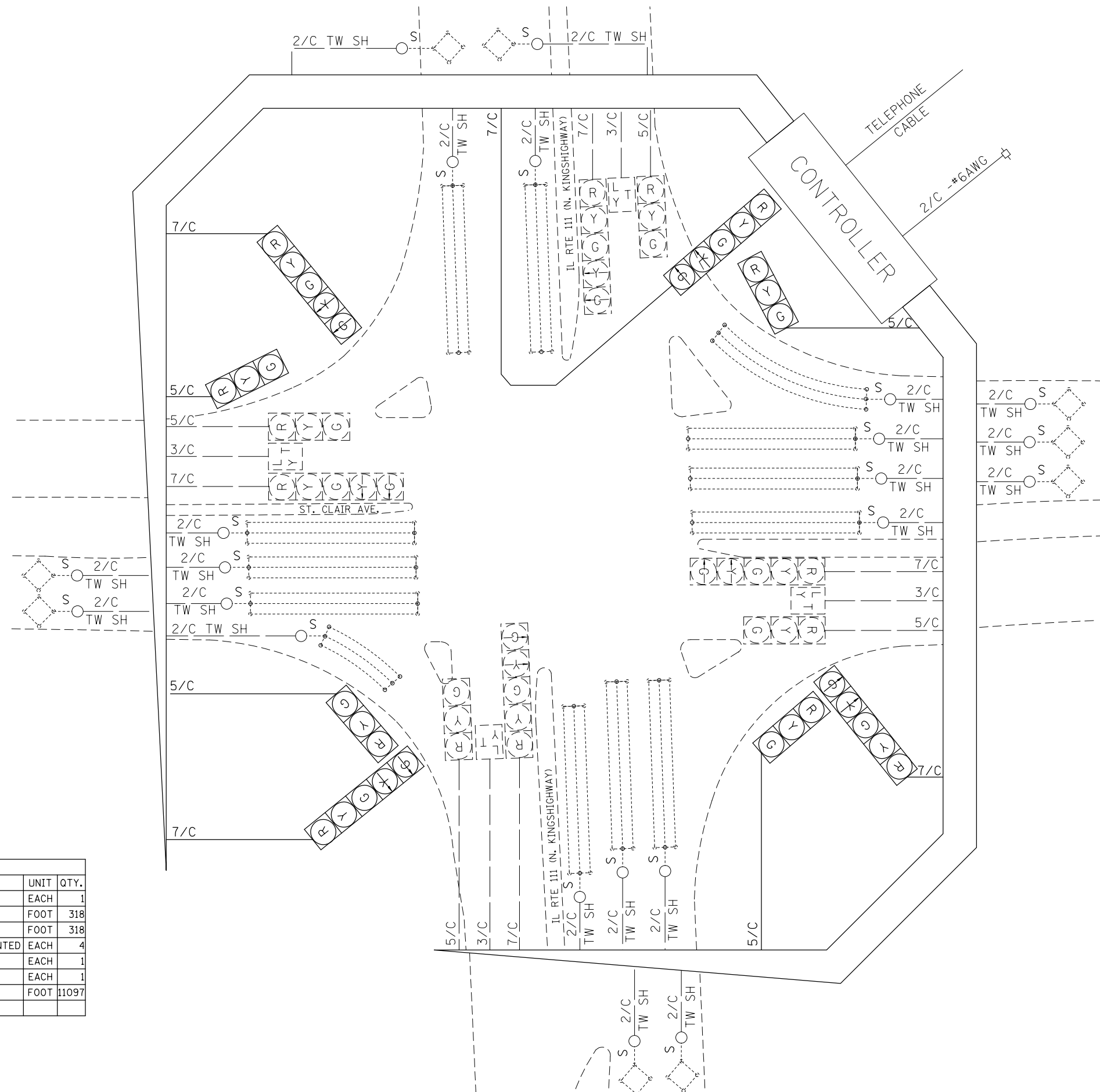


CLINTON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 111 &amp; ST CLAIR (WASHINGTON PARK, ST. CLAIR CNTY.) TRAFFIC SIGNAL PLAN</b>			RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\prestonme\d0449903\0876J23-sht-plan.dgn		DRAWN -	REVISED -					•	Dist 8 TS 2017-2	**	116	115
PLOT SCALE = 33.3333 / in.		CHECKED -	REVISED -					**VARIOUS	CONTRACT NO. 76J23			
PLOT DATE = 3/16/2017		DATE -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

### CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING 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
- EXISTING SERVICE INSTALLATION



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	318
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	318
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
89502330	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	11097

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
et:\pw\work\p1\dot\prestonme\d0449903\0876J23-sht-pln.dgn		DRAWN -	REVISED -
	PLOT SCALE = 33.3333 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 111 & ST CLAIR (WASHINGTON PARK, ST. CLAIR CNTY.)  
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2017-2	**	116	116
**=VARIOUS			CONTRACT NO. 76J23	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*\*=CLINTON & ST. CLAIR