

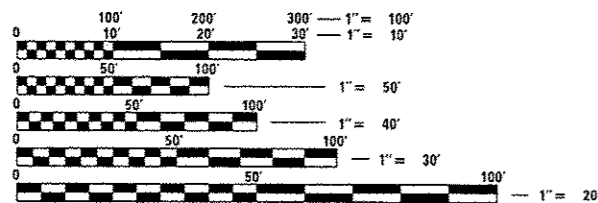
1-20-2017 LETTING ITEM 046

INDEX OF SHEETS

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

STANDARDS

000001-06	701701-10	701801-06
701901-06	814001-03	878001-10
880006-01		



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

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

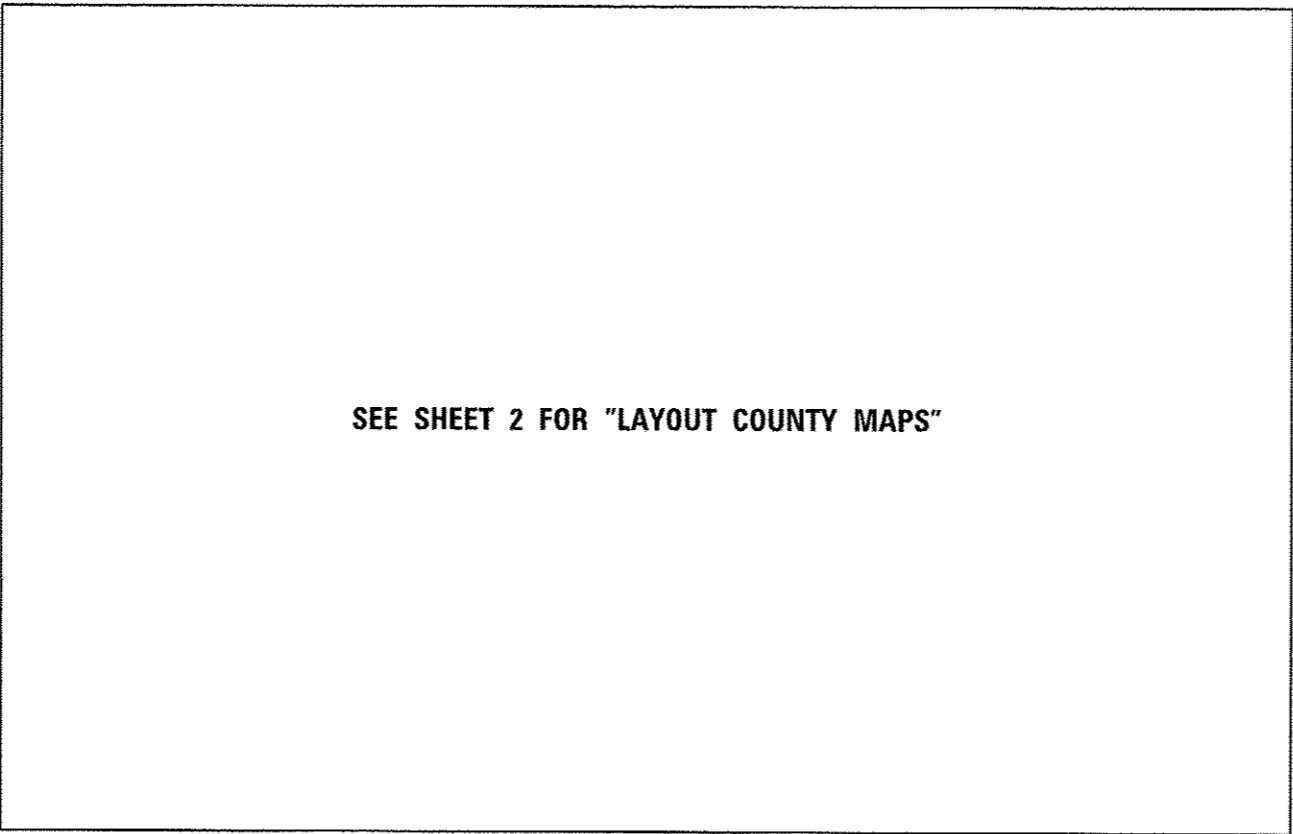
PROJECT ENGINEER: HERVE GELIN (618) 346-3179
SQUAD LEADER: MICHAEL PRESTON (618) 346-3143

CONTRACT NO. 76J22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION DIST 8 TS 2017-1
PROJECT ACHSIP-000V(088)
INSTALLATION OF NEAR-RIGHT &
FAR-LEFT TRAFFIC SIGNAL
INDICATIONS
MADISON & ST. CLAIR COUNTIES

C-98-064-15

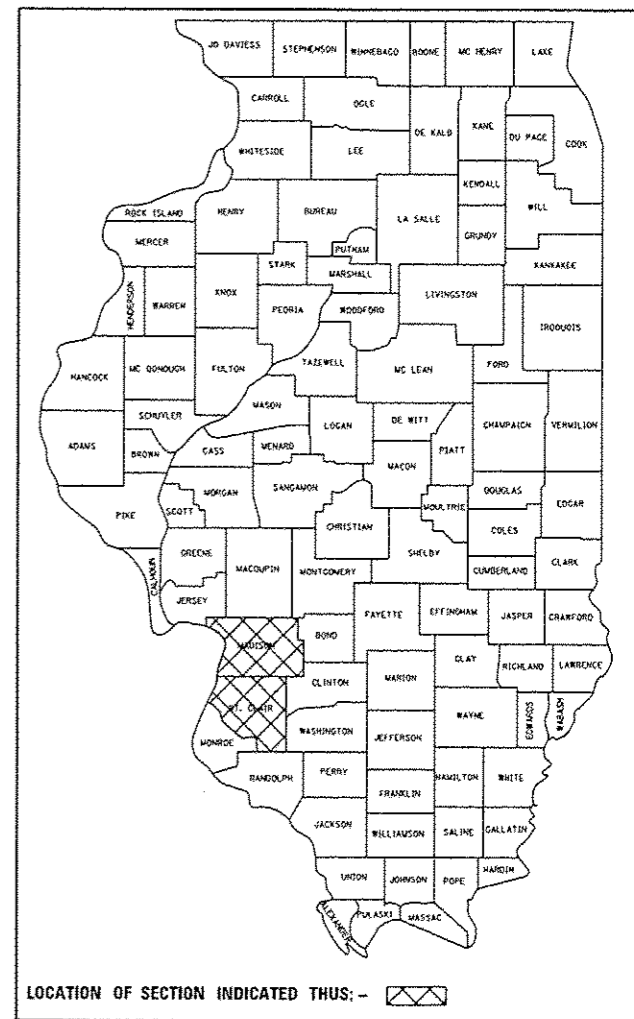


SEE SHEET 2 FOR "LAYOUT COUNTY MAPS"

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST & TS 2017-1	**	136	1
**=VARIOUS		ILLINOIS	CONTRACT NO. 76J22	

***MADISON & ST. CLAIR

D-98-075-15



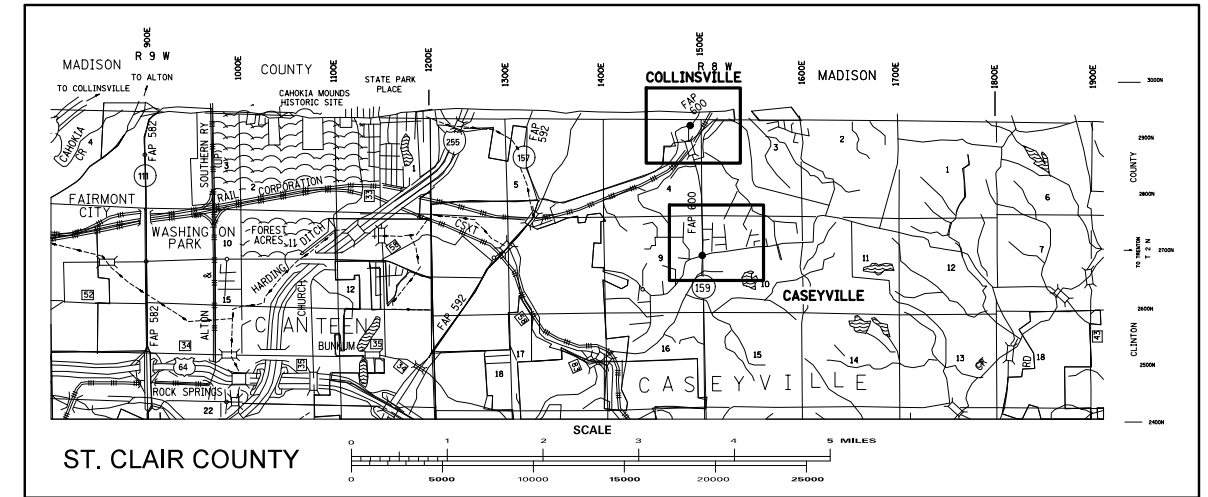
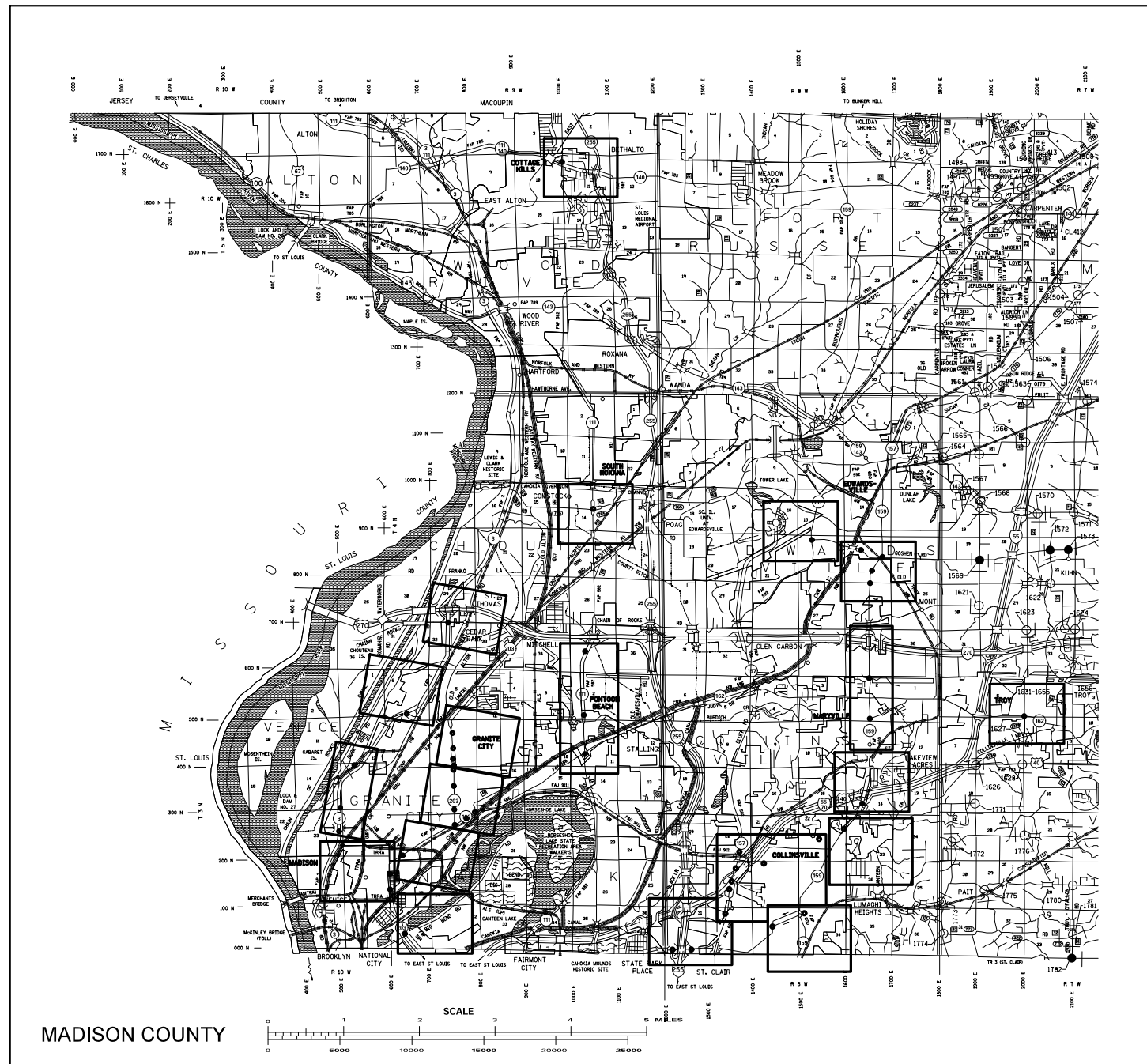
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 14, 2016
Jaffray Z. Kain
REGIONAL ENGINEER

Dec 9, 2016
Maureen M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 9, 2016
Chris Esten
DIRECTOR OF HIGHWAYS/CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



COUNTY	LOCAL AGENCY	INTERSECTION
ST. CLAIR	CASEYVILLE	IL 159 & HOLLYWOOD HEIGHTS
	COLLINSVILLE	IL 159 & S MORRISON

COUNTY	LOCAL AGENCY	INTERSECTION
MADISON	COLLINSVILLE	IL 157 & I 55/70 S JCT
		IL 157 & I 55/70 N JCT
		IL 157 & EASTPORT PLAZA
		IL 157 & COLLINSVILLE BELTLINE
		IL 157 & HORSESHOE LAKE
		IL 159 & COUNTRY
		I 255 & COLLINSVILLE W JCT
		I 255 & COLLINSVILLE E JCT
		COLLINSVILLE BELTLINE & JOHNSON HILL
		COLLINSVILLE BELTLINE & BRIDLE RIDGE
		MAIN & SEMINARY
		MAIN & ST LOUIS
	COTTAGE HILLS	IL 111/140 & FRANKLIN
	EDWARDSVILLE	IL 157 & CENTER GROVE
		IL 159/157/143 & BUCHANAN
		IL 157 & W MAIN
	GLEN CARBON	IL 159 & GLEN CARBON
		IL 159 & JUNCTION
	KETTLE RIVER DR. (REL. IL. 159) & CENTER GROVE	
	TROY RD. & CENTER GROVE	

COUNTY	LOCAL AGENCY	INTERSECTION
MADISON	GRANITE CITY	IL 3 & NIEDRINGHAUS
		IL 3 & 20TH
		IL 3 & ROCK RD
		IL 3 & PONTOON
		IL 3 & CHAIN OF ROCKS
		IL 162 & MARYVILLE
		IL 162 & MOCKINGBIRD
		IL 203 & 20TH
		IL 203 & IL 162
		IL 203 & 23RD
		IL 203 & MADISON
		IL 203 & 25TH
		IL 203 & VICTORY
		IL 203 & ST CLAIR/IOWA
IL 203 & JILL		
IL 203 & FEHLING		
IL 162 & 23RD		

COUNTY	LOCAL AGENCY	INTERSECTION
MADISON	MADISON	IL 203 & BIG BEND
		IL 203 & 3RD
		IL 203 & 6TH
	MARYVILLE	IL 159 & ST CHARLES
		IL 159 & MAIN
		IL 159 & VADALEBENE
		IL 159 & IL 162
	PONTOON BEACH	IL 111 & IL 162
		IL 111 & PONTOON
	SOUTH ROXANA	IL 111 & ENGINEER
IL 111 & POAG		
TROY	IL 162 & RIGGINS	

INDEX OF SHEETS PER LOCAL AGENCY (COUNTY) INTERSECTION

- 6.-32. COLLINSVILLE (MADISON)
- 33.-36. COTTAGE HILLS (MADISON)
- 37.-42. EDWARDSVILLE (MADISON)
- 43.-55. GLEN CARBON (MADISON)
- 56.-94. GRANITE CITY (MADISON)
- 95.-102. MADISON (MADISON)
- 103.-112. MARYVILLE (MADISON)
- 113.-120. PONTOON BEACH (MADISON)
- 121.-124. SOUTH ROXANA (MADISON)
- 125.-128. TROY (MADISON)
- 129.-132. CASEYVILLE (ST. CLAIR)
- 133.-136. COLLINSVILLE (ST. CLAIR)

**-MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
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		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 2017-1	**	136	2
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

COUNTY	CITY	LOCATION	LANE CLOSURE SCHEDULE		DAY OF WEEK	PERMITTED LANE CLOSURES(1)
			PEAK HOURS	PEAK HOURS		
MADISON	COLLINSVILLE	IL 159 AT E. COUNTRY LANE	6 A.M. - 9 A.M.	3 P.M. - 6 P.M.	MON.- FRI.	EB LT/THRU/RT
	EDWARDSVILLE	IL 157/IL 143 AT TROY ROAD/BUCHANAN STREET	7 A.M. - 8 A.M.	4 P.M. - 5 P.M.	MON.- FRI.	EB RTL, NB THRU/RT LANE AND NB LANE ON THE NORTH LEG
	GLEN CARBON	IL 159 AT GLEN CARBON ROAD	6 A.M. - 9 A.M.	3 P.M. - 6 P.M.	MON.- FRI.	SB RT
		IL 159 AT JUNCTION DRIVE	6 A.M. - 9 A.M.	3 P.M. - 6 P.M.	MON.- FRI.	WB RT
	GLEN CARBON	IL 159 AT CENTER GROVE ROAD	7 A.M. - 8 P.M.		MON.- FRI.	WB & SB RT FLARES, EB RT LANE AND HALF OF NB RT FLARE
		TROY ROAD AT CENTER GROVE ROAD	7 A.M. - 8 P.M.		MON.- FRI.	NONE
	GRANITE CITY	IL 3 AT NIEDRINGHAUS AVENUE	6 A.M. - 7 A.M.	4 P.M. - 5 P.M.	MON.- FRI.	NONE
		IL 3 AT 20TH STREET	6 A.M. - 7 A.M.	4 P.M. - 5 P.M.	MON.- FRI.	ONE LANE CLOSED IN BOTH THE NB THRU AND SB THRU DIRECTION.
		IL 3 AT ROCK ROAD	7 A.M. - 8 A.M.	4 P.M. - 5 P.M.	MON.- FRI.	NONE
		IL 3 AT PONTOON ROAD	6 A.M. - 9 A.M.	3 P.M. - 6 P.M.	MON.- FRI.	NONE
		IL 3 AT CHAIN OF ROCKS ROAD	6 A.M. - 9 A.M.	3 P.M. - 6 P.M.	MON.- FRI.	NONE
	MARYVILLE	IL 159 AT ST. CHARLES DRIVE	8 A.M. - 9 A.M.	5 P.M. - 6 P.M.	MON.- FRI.	NONE
		IL 159 AT MAIN STREET	6 A.M. - 9 A.M.	3 P.M. - 6 P.M.	MON.- FRI.	NONE
		IL 159 AT VADALABENE DRIVE	6 A.M. - 9 A.M.	3 P.M. - 6 P.M.	MON.- FRI.	NONE
IL 159 AT IL 162		6 A.M. - 9 A.M.	3 P.M. - 6 P.M.	MON.- FRI.	NONE	
ST. CLAIR	CASEYVILLE	IL 159 AT HOLLYWOOD HEIGHTS	6 A.M. - 9 A.M.	3 P.M. - 6 P.M.	MON.- FRI.	NONE
	COLLINSVILLE	IL 159 AT MORRISON AVENUE	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 ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

LOCATION	COMPANY	TYPE	JULIE	AERIAL	BURIED
151 IL 157 & I-55/70 N JCT COLLINSVILLE	AMEREN ILLINOIS	GAS & ELECTRIC	X	X	X
	AT&T CORPORATION	COMMUNICATIONS	X		X
	AT&T ILLINOIS	COMMUNICATIONS	X	X	X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	MCLEOD TELECOMMUNICATIONS SERVICES, LLC	COMMUNICATIONS	X		X
	CITY OF TROY	SEWER & WATER	X		X
	CITY OF COLLINSVILLE	SEWER & WATER	X		X
193 IL 159 & E. COUNTRY LN COLLINSVILLE TOWNSHIP	AT&T CORPORATION	COMMUNICATIONS	X		X
	CITY OF COLLINSVILLE	SEWER & WATER	X		X
	AT&T ILLINOIS	COMMUNICATIONS	X	X	X
	AMEREN ILLINOIS	GAS & ELECTRIC	X	X	X
	CITY OF TROY	SEWER & WATER	X		X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
229 IL 162 & 23RD ST. GRANITE CITY	AT&T CORPORATION	COMMUNICATIONS	X		X
	AT&T ILLINOIS	COMMUNICATIONS	X	X	X
	AMEREN ILLINOIS	GAS & ELECTRIC	X	X	X
	CITY OF GRANITE CITY	SEWER	X		X
	ENABLE MIDSTREAM PARTNERS	PIPELINE	X		X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	MCLEOD TELECOMMUNICATIONS SERVICES, LLC	COMMUNICATIONS	X		X
	ILLINOIS AMERICAN WATER-GRANITE CITY DIST.	WATER	X		X
230 IL 162 & MARYVILLE RD. GRANITE CITY	AT&T CORPORATION	COMMUNICATIONS	X		X
	AT&T ILLINOIS	COMMUNICATIONS	X	X	X
	AMEREN ILLINOIS	GAS & ELECTRIC	X	X	X
	CITY OF GRANITE CITY	SEWER	X		X
	ILLINOIS AMERICAN WATER-GRANITE CITY DIST.	WATER	X		X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	CONSOLIDATED COMMUNICATIONS	COMMUNICATIONS	X	X	X
MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800)892-0123 OR 811AND ARE INDICATED BY •. NON-MEMBERS MUST BE NOTIFIED DIRECTLY.	MCLEOD TELECOMMUNICATIONS SERVICES, LLC	COMMUNICATIONS	X		X
	ENABLE MIDSTREAM PARTNERS	PIPELINE	X		X

ELECTRICAL GENERAL NOTES

- ALL VEHICLE SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- BACKPLATES SHALL BE ABS PLASTIC WITH RETROREFLECTIVE SHEETING, AS DESCRIBED IN THE STANDARD SPECIFICATIONS.
- ALL TRAFFIC SIGNAL CABLE SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTOR. NO TERMINAL ENDS FOR DETECTOR LOOP LEAD-INS.
- HANDHOLES SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PER ARTICLE 1088.10(C)), THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- LOCATE UNDERGROUND CABLES PRIOR TO ATTEMPTING TO CONSTRUCT THIS PROJECT.
- SIGNAL HEAD COLOR SHALL MATCH THE EXISTING RESPECTIVE MOUNTING STRUCTURE COLOR.

••-MADISON & ST. CLAIR

TRAFFIC SIGNALS LEGEND

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

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	PLOT DATE = 11/9/2016	DATE -	REVISED -			•=VARIOUS													CONTRACT NO. 76J22
														FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

90% FEDERAL 10% STATE						90% FEDERAL 10% STATE					
URBAN						URBAN					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE		CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				TRAFFIC SIGNALS						TRAFFIC SIGNALS	
				0021						0021	
				MADISON	ST. CLAIR					MADISON	ST. CLAIR
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	64	64		87800100	CONCRETE FOUNDATION, TYPE A	FOOT	21	18	3
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	5	5		87900100	DRILL EXISTING FOUNDATION	EACH	1	1	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1		87900200	DRILL EXISTING HANDHOLE	EACH	5	4	1
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	33	31	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	23	1	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2	2	
67100100	MOBILIZATION	LSUM	1	0.9	0.1	88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	26	26	
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	51	49	2	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	45	45	
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	23	23		88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3	3	
80300100	LOCATING UNDERGROUND CABLE	FOOT	203	193	10	88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	15	15	
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	192	187	5	88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	35	30	5
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1		88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	2	2	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	13907	12578	1329	89502100	REBUILD EXISTING SIGNAL HEAD	EACH	60	59	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	20373	19615	758	89502200	MODIFY EXISTING CONTROLLER	EACH	51	49	2
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	7	6	1	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	51	49	2

* SPECIALTY ITEM

14

FILE NAME =	USER NAME = prestonne	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES 1 OF 2				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 10/21/2016	DATE -	REVISED -	•-VARIOUS									CONTRACT NO. 76J22				
												FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

90% FEDERAL
10% STATE

CONSTR. CODE

URBAN

TRAFFIC SIGNALS

0021

MADISON ST. CLAIR

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MADISON	ST. CLAIR
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	194424	185837	8587
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	64	64	
X8100863	INTERCEPT EXISTING CONDUIT	EACH	1	1	

***MADISON & ST. CLAIR

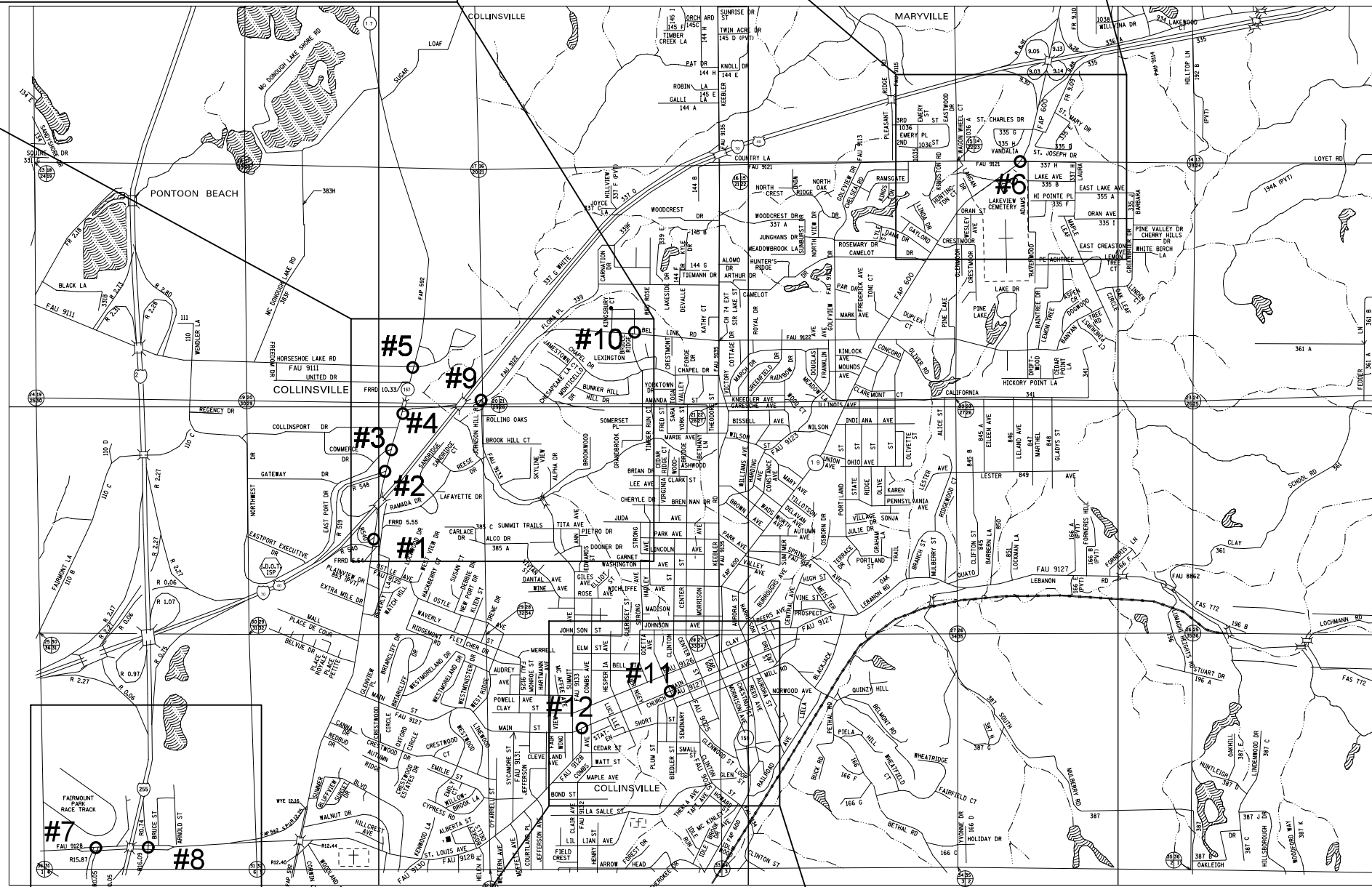
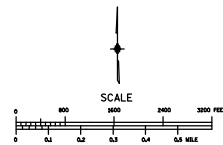
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PLOT DATE = 10/21/2016	DATE -	REVISIONS	REVISIONS		SCALE:	SHEET OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

B

- #1 IL 157 & I 55/70 S JCT
- #2 IL 157 & I 55/70 N JCT
- #3 IL 157 & EASTPORT PLAZA
- #4 IL 157 & COLLINSVILLE BELTLINE
- #5 IL 157 & HORSESHOE LAKE
- #9 COLLINSVILLE BELTLINE & JOHNSON HILL
- #10 COLLINSVILLE BELTLINE & BRIDLE RIDGE

D

- #6 IL 159 & COUNTRY



A

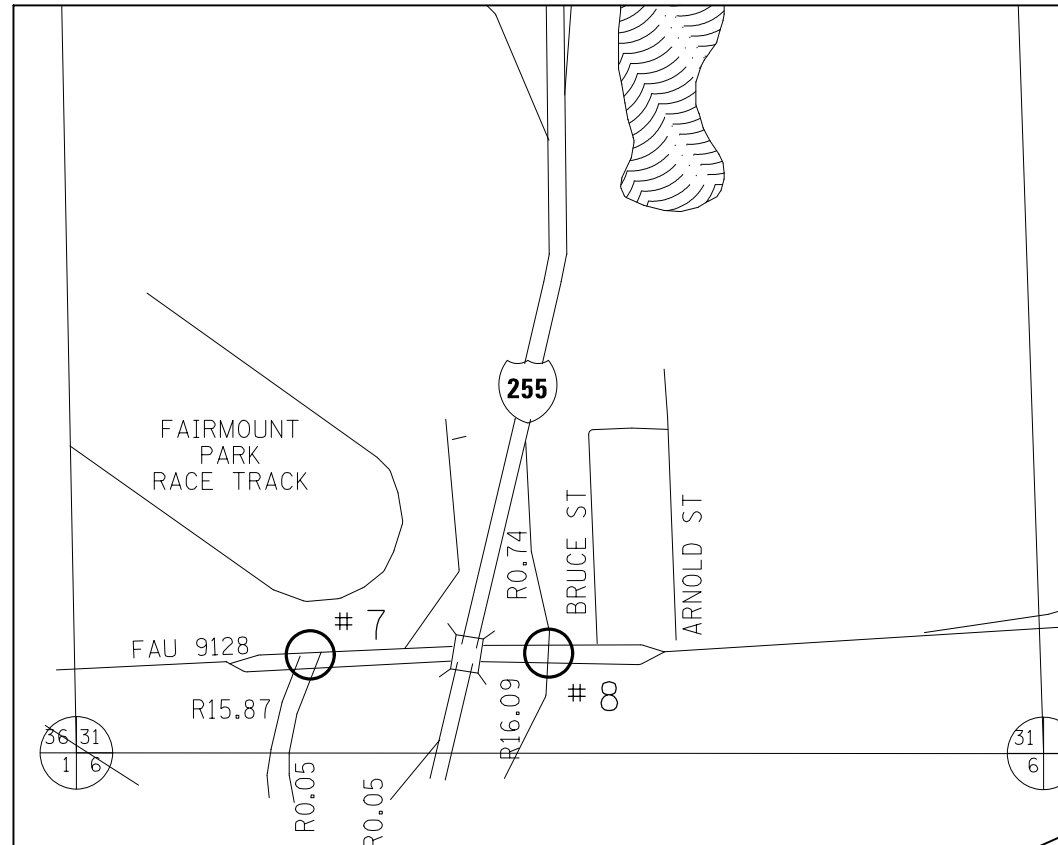
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- #8 I 255 & COLLINSVILLE E JCT

C

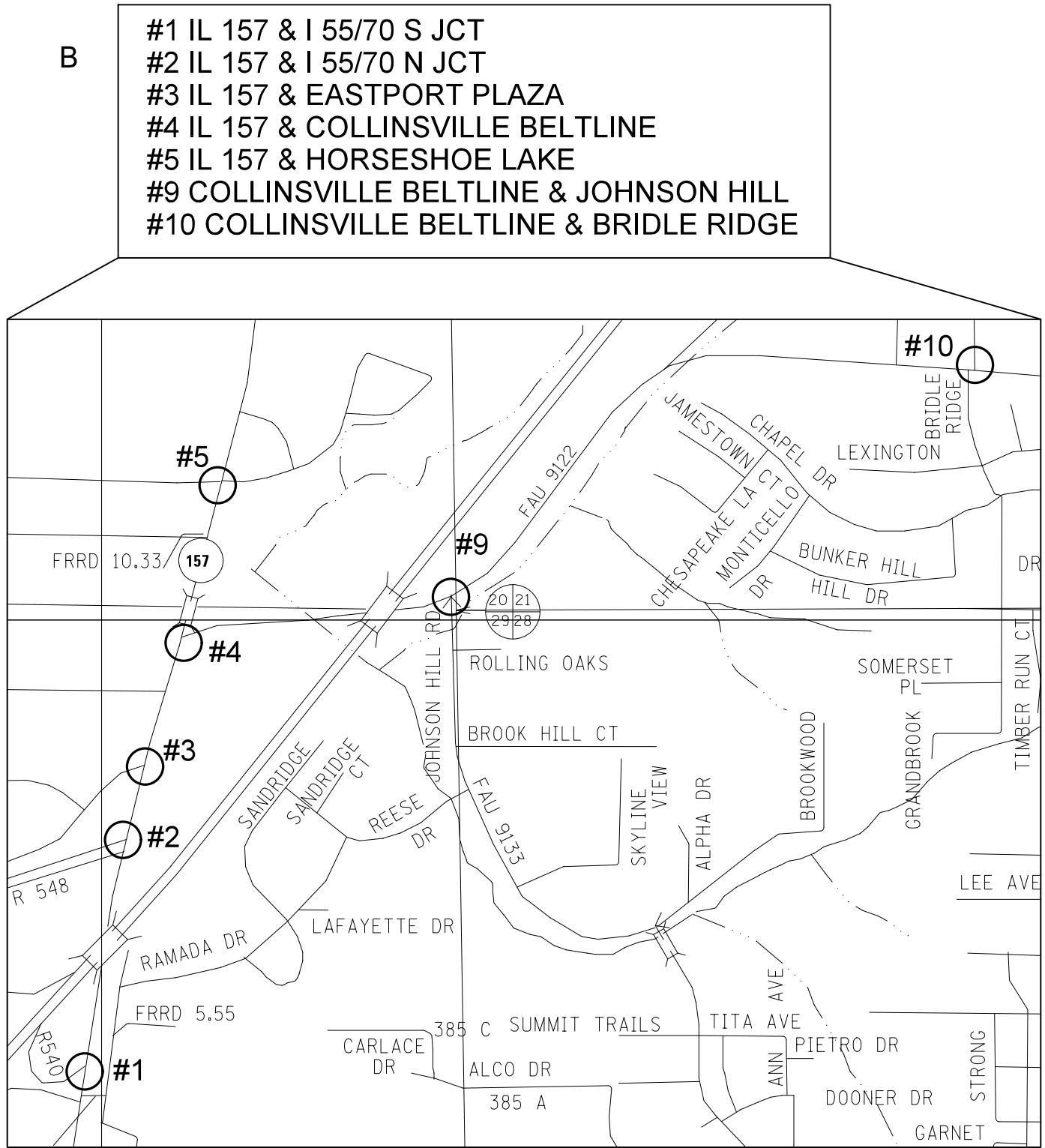
- #11 MAIN & SEMINARY
- #12 MAIN & ST LOUIS

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PLOT DATE = 10/21/2016				DATE -				REVISED -				FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT													
SCALE:		SHEET NO.		OF SHEETS		STA.		TO STA.																					

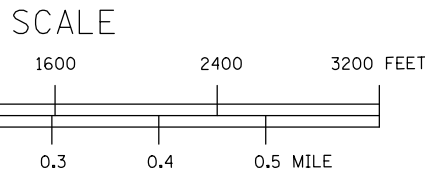
**=MADISON & ST. CLAIR



A
 #7 I 255 & COLLINSVILLE W JCT
 #8 I 255 & COLLINSVILLE E JCT

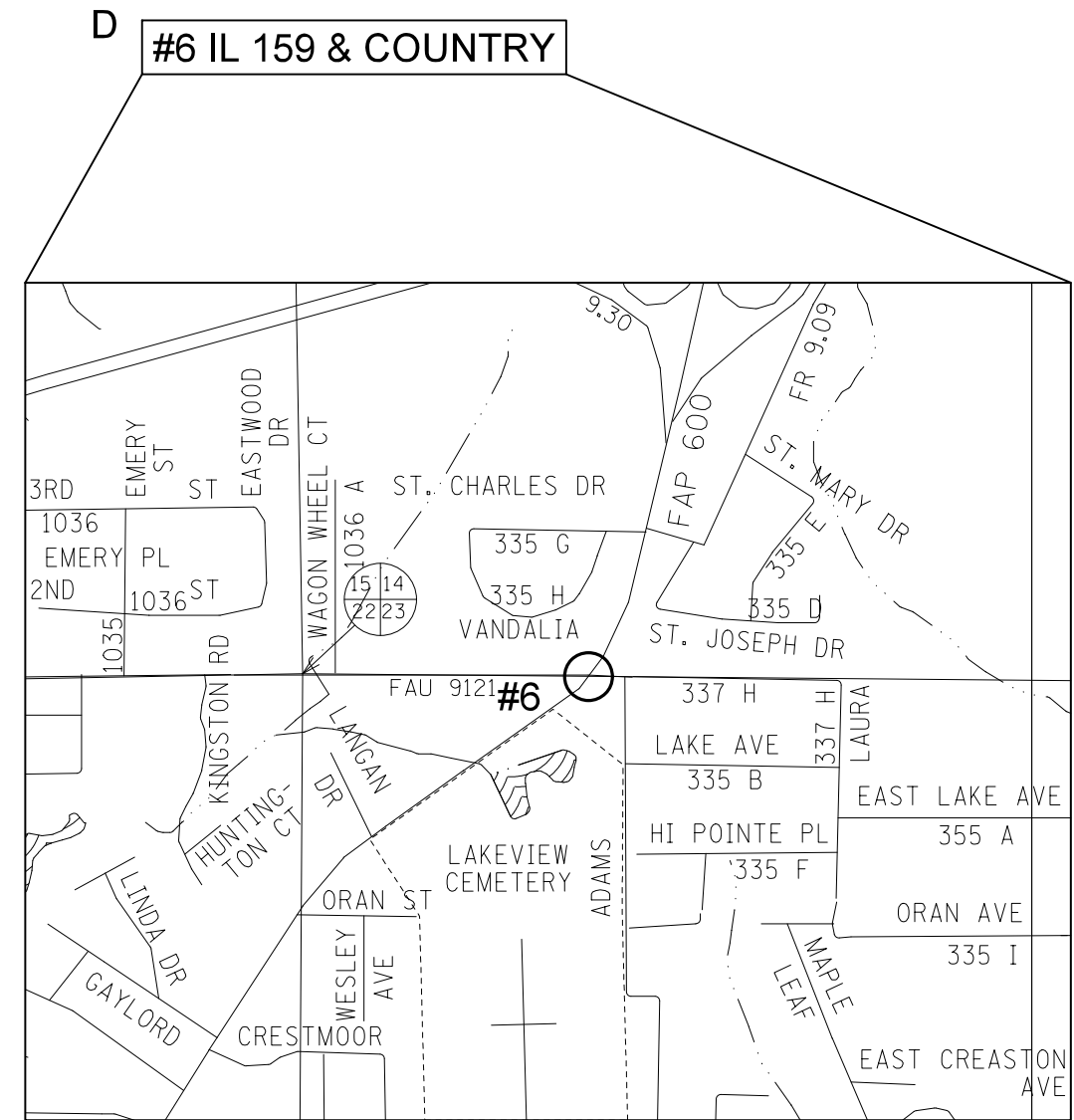
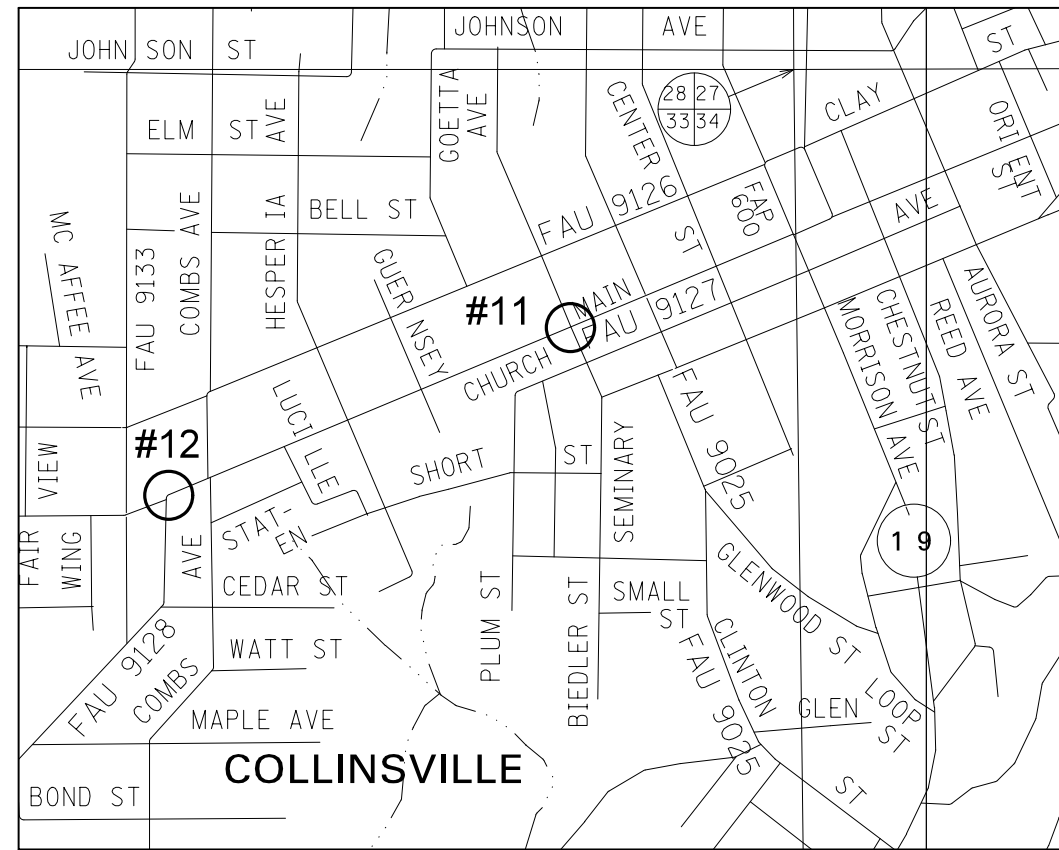


B
 #1 IL 157 & I 55/70 S JCT
 #2 IL 157 & I 55/70 N JCT
 #3 IL 157 & EASTPORT PLAZA
 #4 IL 157 & COLLINSVILLE BELTLINE
 #5 IL 157 & HORSESHOE LAKE
 #9 COLLINSVILLE BELTLINE & JOHNSON HILL
 #10 COLLINSVILLE BELTLINE & BRIDLE RIDGE



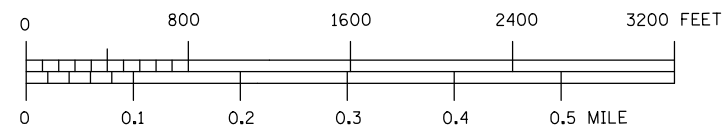
FILE NAME = USER NAME = prestonme DESIGNED - REVISIONS: PLOT SCALE = 33.3333 / in. PLOT DATE = 10/21/2016				REVISIONS: REVISIONS: REVISIONS: REVISIONS:				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				LOCATION MAP COLLINSVILLE, MADISON CNTY. 2 OF 3				R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO. • Dist 8 TS 2017-1 •• 136 7 •=VARIOUS CONTRACT NO. 76J22 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
								SCALE: SHEET NO. OF SHEETS STA. TO STA.											

••=MADISON & ST. CLAIR



C
 #11 MAIN & SEMINARY
 #12 MAIN & ST LOUIS

SCALE



***MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 / in.	DATE -	REVISED -
	PLOT DATE = 10/21/2016		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
 COLLINSVILLE, MADISON CNTY.
 3 OF 3**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	••	136	8
••=VARIOUS				CONTRACT NO. 76J22
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"



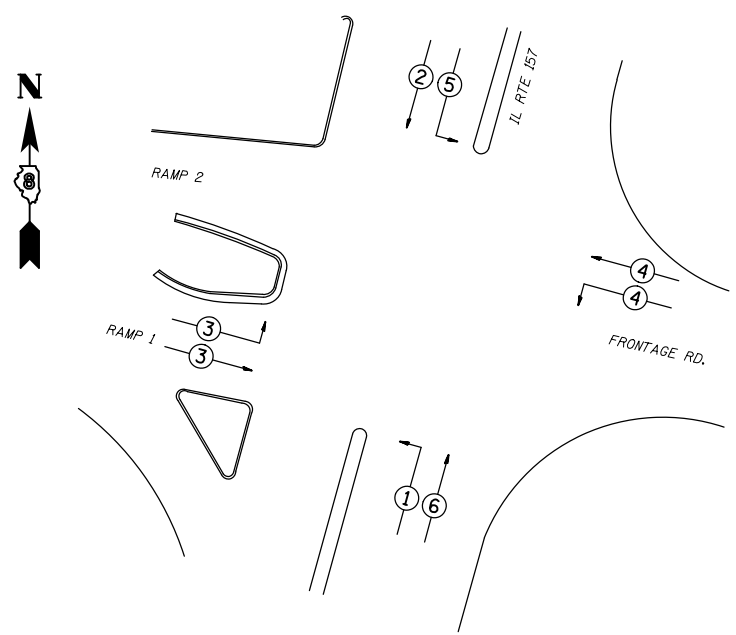
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

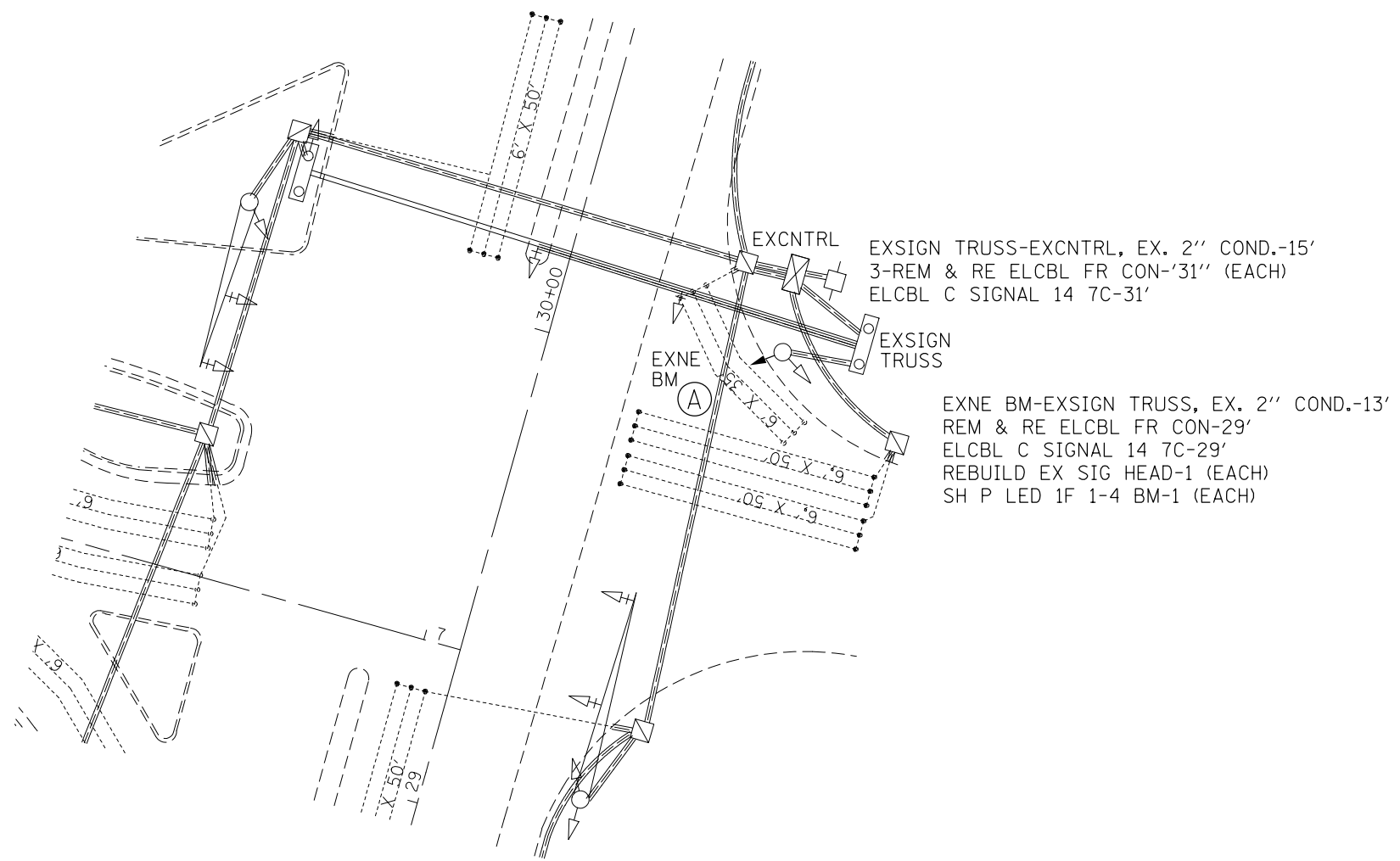
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MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES

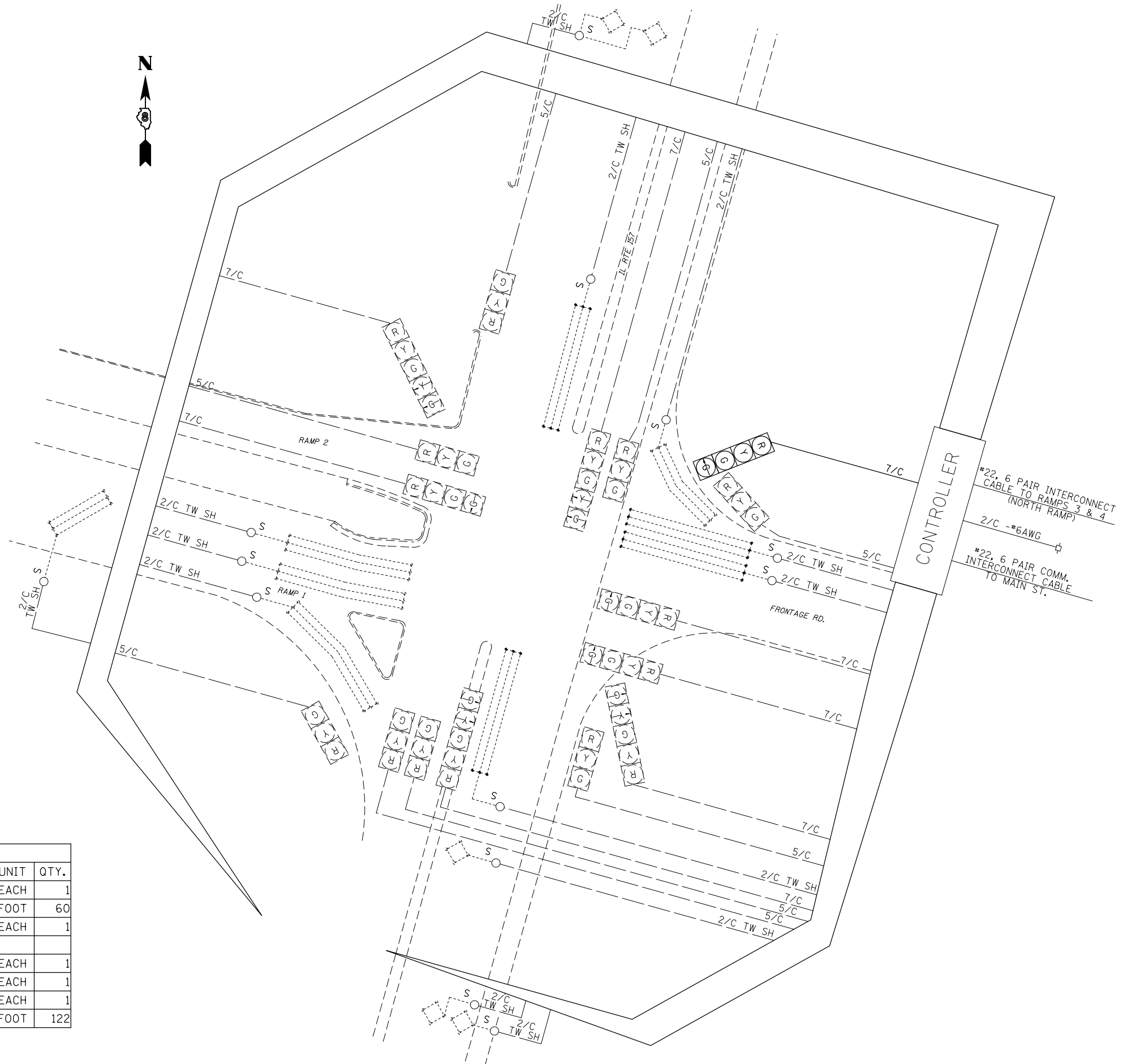


PHASE DESIGNATION DIAGRAM



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



*22, 6 PAIR INTERCONNECT CABLE TO RAMPS 3 & 4 (NORTH RAMP)
 2/C -*6AWG
 *22, 6 PAIR COMM. INTERCONNECT CABLE TO MAIN ST.

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	60
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-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	122

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 157 & I 5570 S JCT (COLLINSVILLE, MADISON CNTY.)
 WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	10
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

***MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

12"



(A)

12"

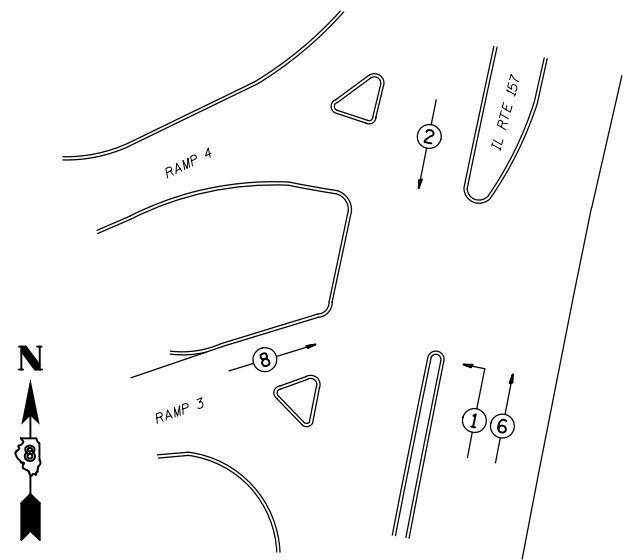
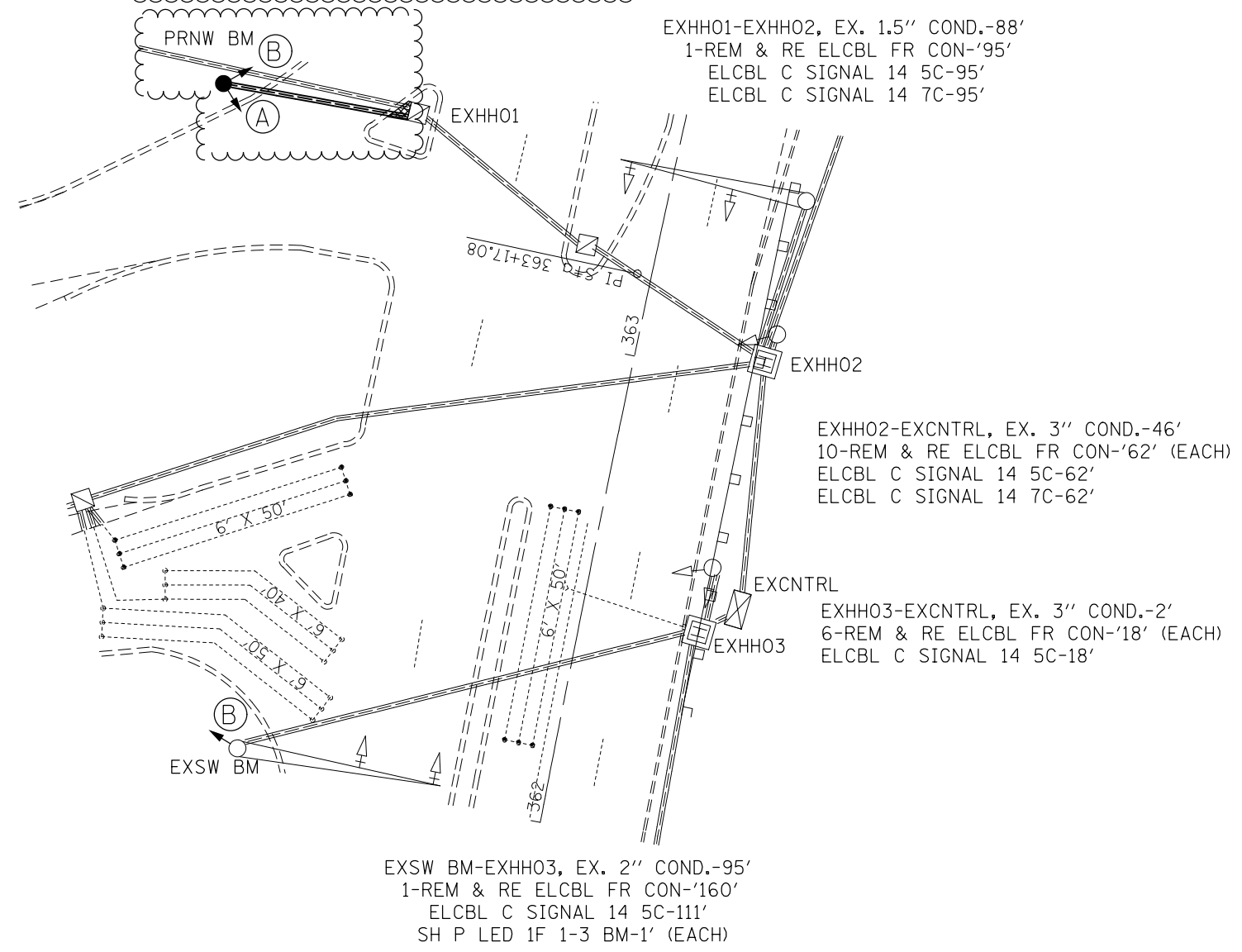


(B)

PROPOSED TRAFFIC SIGNAL FACES

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

PRNW BM-EXHH01, 1.5"-38'
 LOCATE UNDERGR CABLE-38'
 CONCRETE MEDIAN SURFACE REMOVAL-10 SQ FT
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-38'
 DRILL EX HANDHOLE-1' (EACH)
 TS POST A 14-1' (EACH)
 CONCRETE MEDIAN SURFACE, 4 INCH-10 SQ FT
 ELCBL C SIGNAL 14 5C-54'
 ELCBL C SIGNAL 14 7C-54'
 SH P LED 2F 1-3 1-5 BM-1' (EACH)



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonm	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/21/2016	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



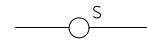

IL 157 & 1570 N JCT (COLLINSVILLE, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

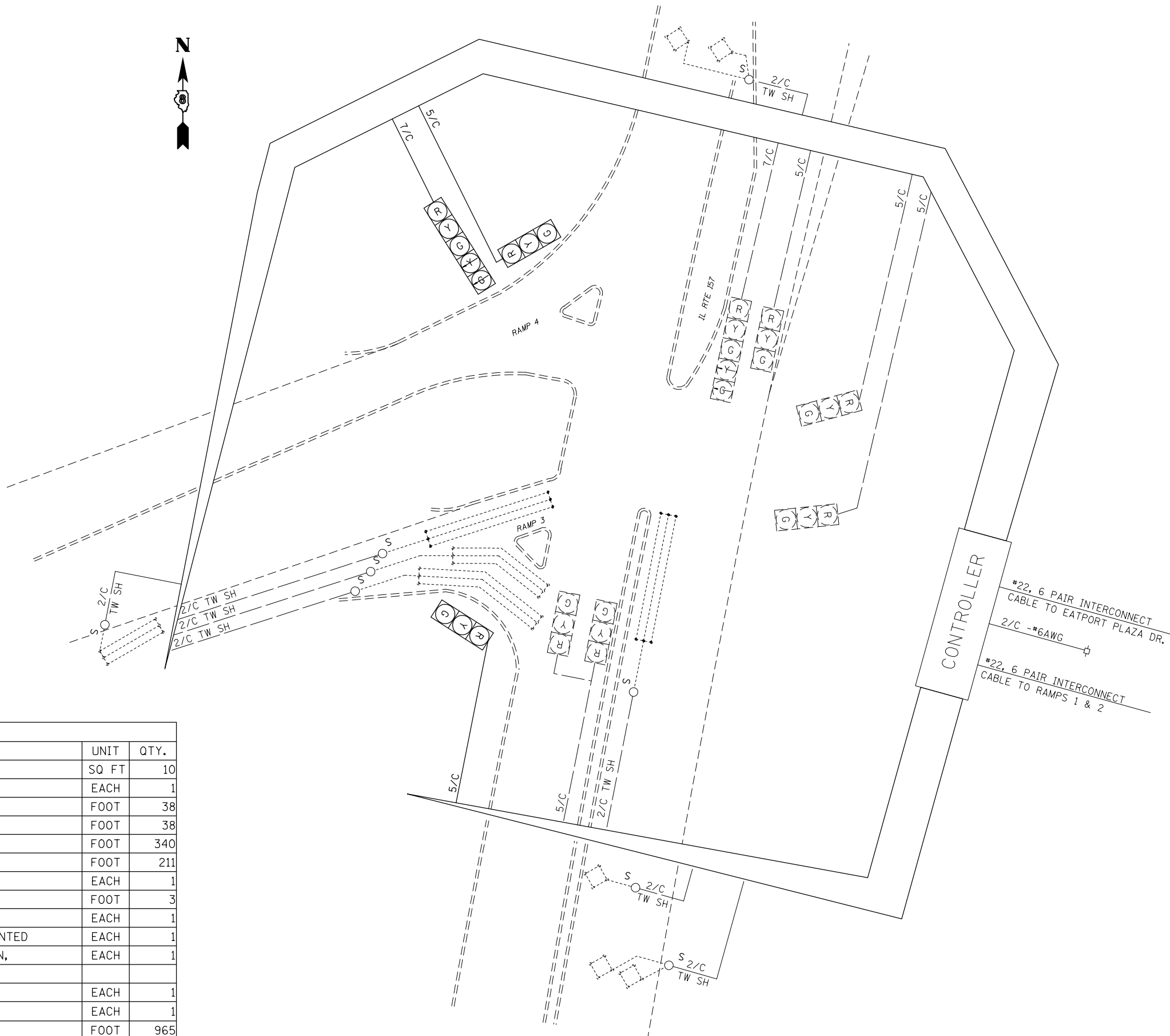
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	••	136	11
••=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

••=MADISON & ST. CLAIR

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.
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	10
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	38
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	38
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	340
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	211
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	965
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	10

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

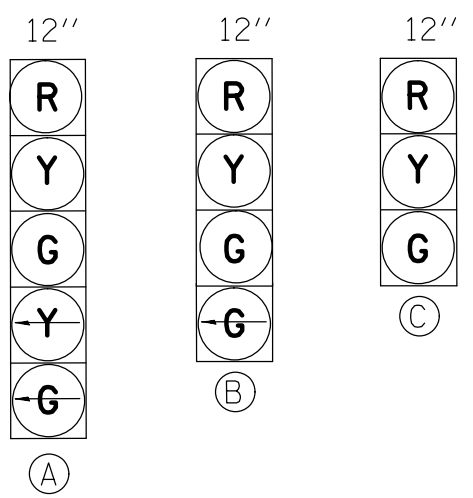
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 157 & I 570 N JCT (COLLINSVILLE, MADISON CNTY.)
WIRING DIAGRAM**

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

***MADISON & ST. CLAIR		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		•	DIST 8 TS 2017-1	**	136	12
**=VARIOUS				CONTRACT NO. 76J22		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

EXNW BM-EXHHO4, EX. 2" COND.-81'
 REM & RE ELCBL FR CON-139
 REM & RE ELCBL FR CON-124
 ELCBL C SIGNAL 14 5C-97
 ELCBL C SIGNAL 14 7C-97
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXNE BM-EXHHO1, EX. 2" COND.-9'
 REM & RE ELCBL FR CON-79'
 REM & RE ELCBL FR CON-62'
 ELCBL C SIGNAL 14 5C-25'
 ELCBL C SIGNAL 14 7C-25'
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

EXHHO4-EXDHHO1, EX. 3" COND.-41'
 13-REM & RE ELCBL FR CON-48 (EACH)
 3-ELCBL C SIGNAL 14 5C-48 (EACH)
 3-ELCBL C SIGNAL 14 7C-48 (EACH)

EXHHO1-EXHHO2, EX. in." COND.-29'
 6-REM & RE ELCBL FR CON-36' (EACH)
 ELCBL C SIGNAL 14 5C-36' (EACH)
 ELCBL C SIGNAL 14 7C-36' (EACH)

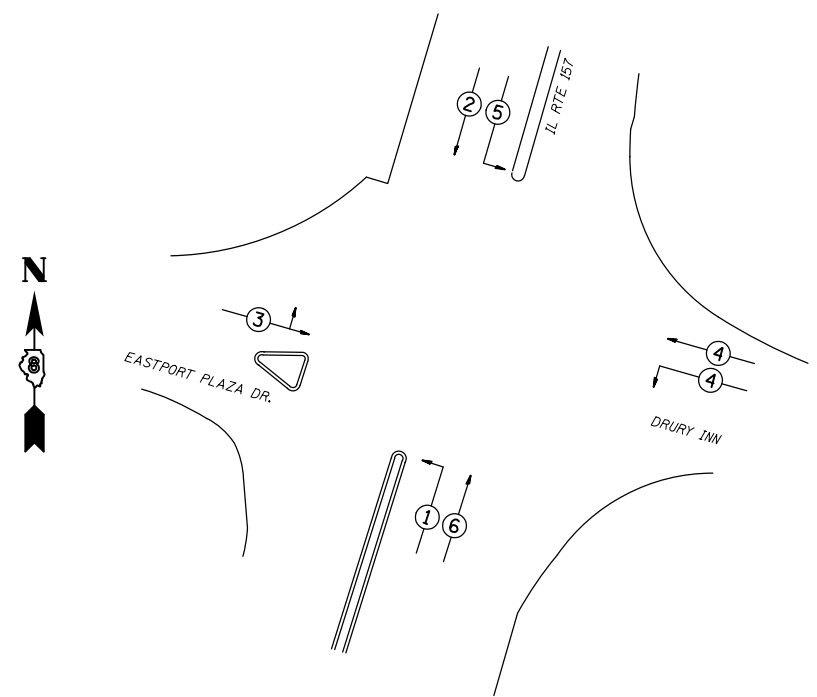
EXDHHO1-EX CNTRL, EX. 3" COND.-2'
 17-REM & RE ELCBL FR CON-18 (EACH)
 4-ELCBL C SIGNAL 14 5C-18 (EACH)
 4-ELCBL C SIGNAL 14 7C-18 (EACH)

EXHHO2-EXHHO3, EX. 2" COND.-51'
 6-REM & RE ELCBL FR CON-58' (EACH)
 ELCBL C SIGNAL 14 5C-58'
 ELCBL C SIGNAL 14 7C-58'

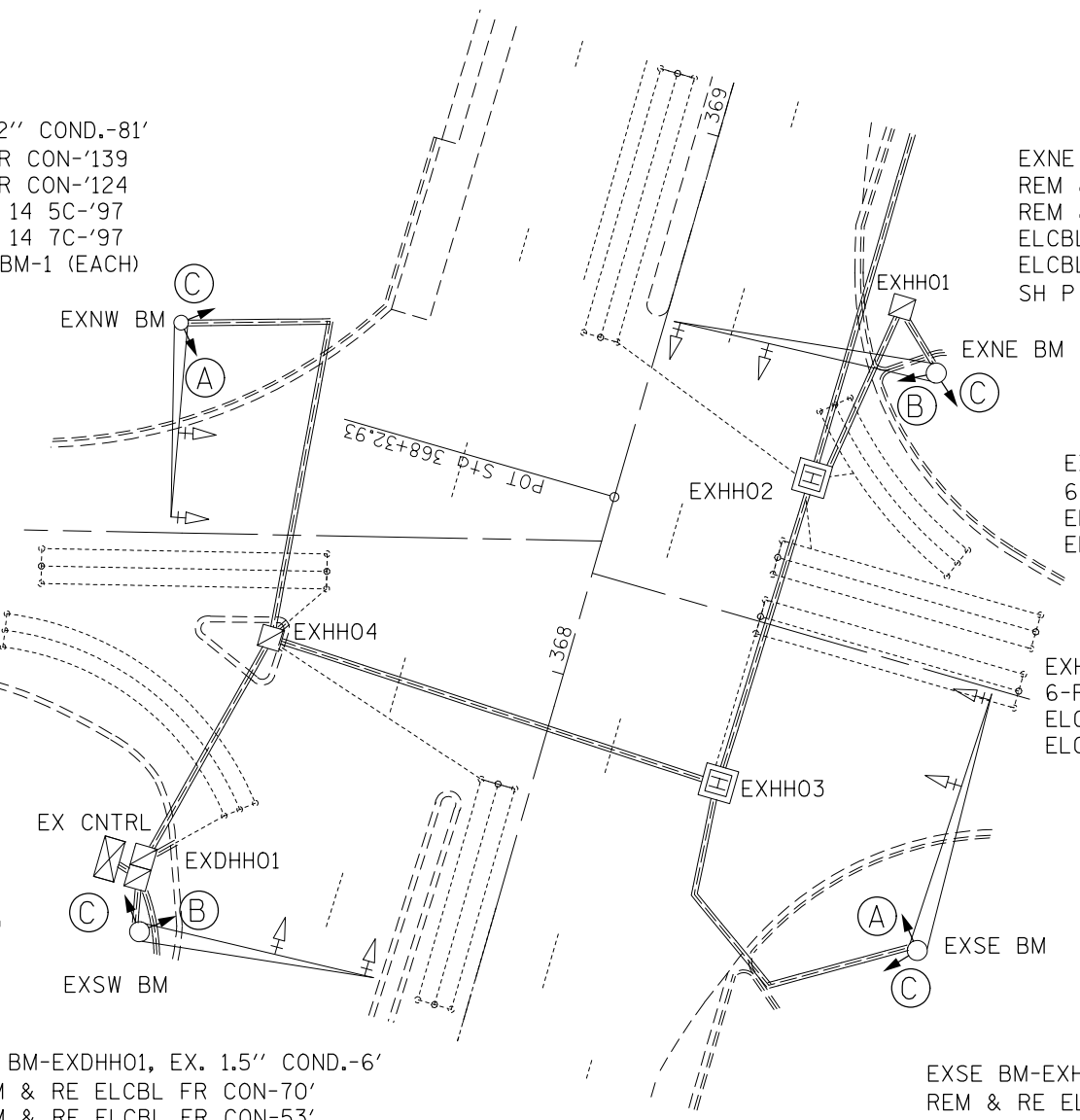
EXSW BM-EXDHHO1, EX. 1.5" COND.-6'
 REM & RE ELCBL FR CON-70'
 REM & RE ELCBL FR CON-53'
 ELCBL C SIGNAL 14 5C-70'
 ELCBL C SIGNAL 14 7C-70'
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

EXSE BM-EXHHO3, EX. 2" COND.-64'
 REM & RE ELCBL FR CON-134
 REM & RE ELCBL FR CON-117
 ELCBL C SIGNAL 14 5C-80
 ELCBL C SIGNAL 14 7C-80
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHHO3-EXHHO4, EX. 3" COND.-79'
 9-REM & RE ELCBL FR CON-86 (EACH)
 2-ELCBL C SIGNAL 14 5C-86 (EACH)
 2-ELCBL C SIGNAL 14 7C-86 (EACH)



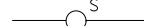



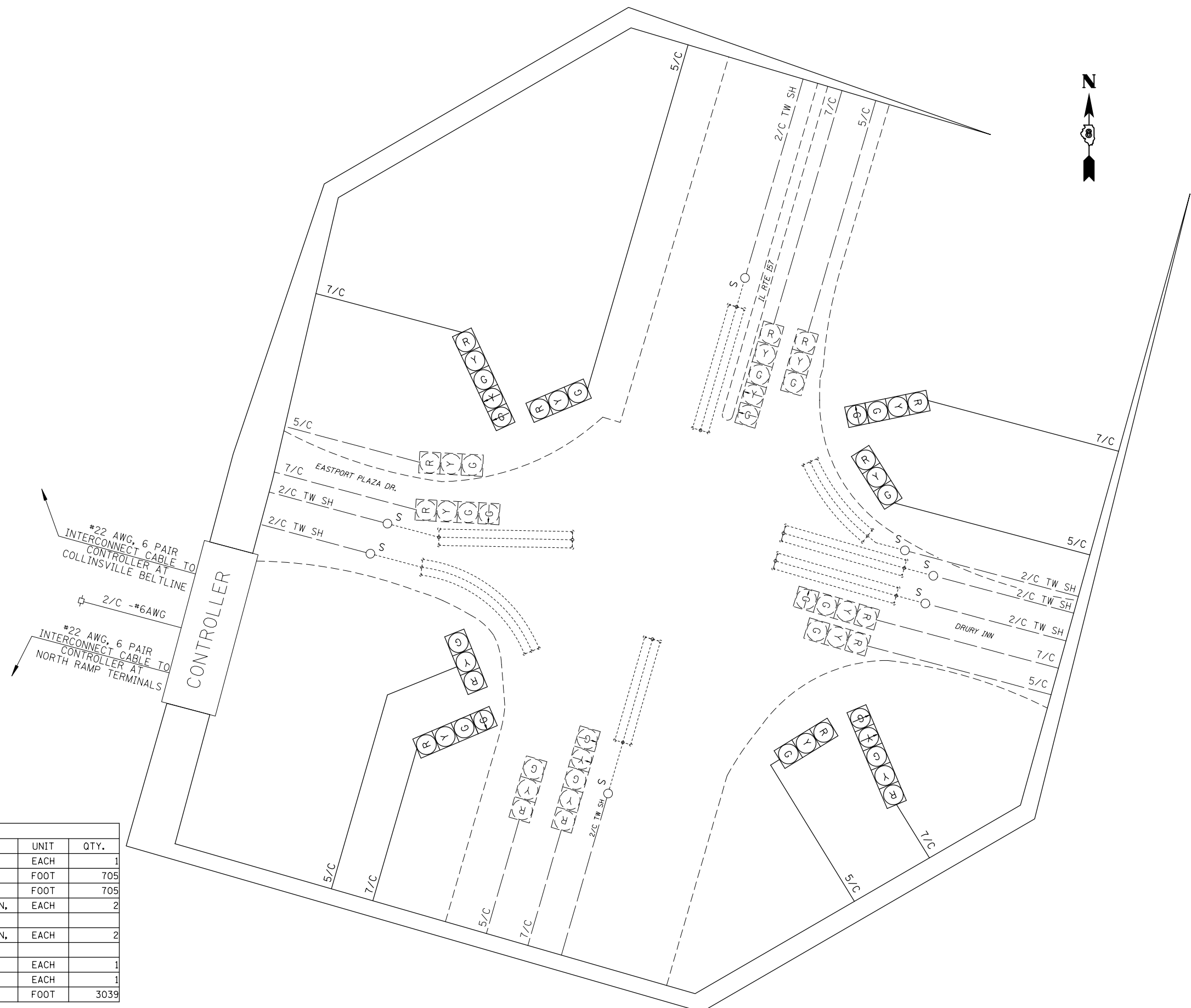
PHASE DESIGNATION DIAGRAM



MADISON & ST. CLAIR

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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	705
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	705
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	3039

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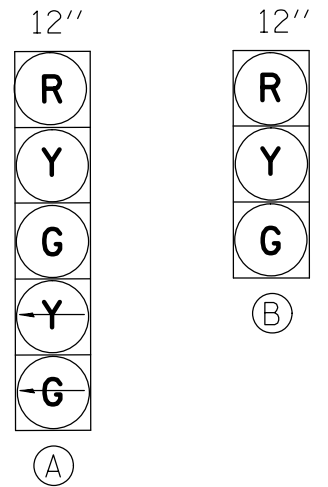
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 157 & EASTPORT PLAZA (COLLINSVILLE, MADISON CNTY.)
WIRING DIAGRAM**

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	14
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

***MADISON & ST. CLAIR

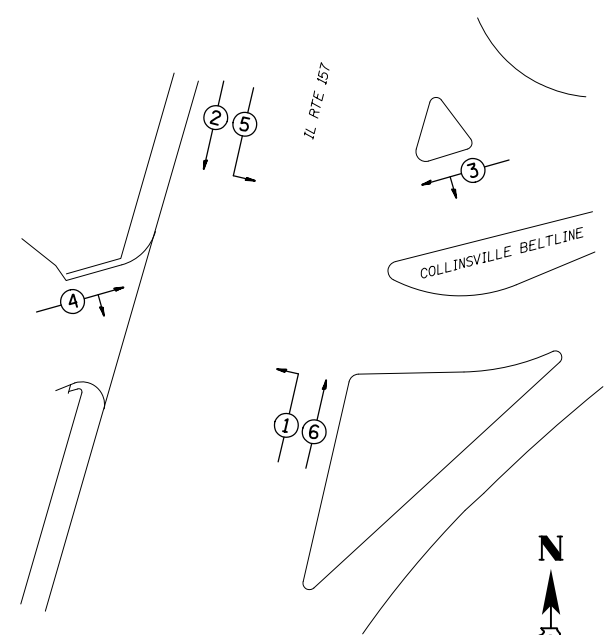
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

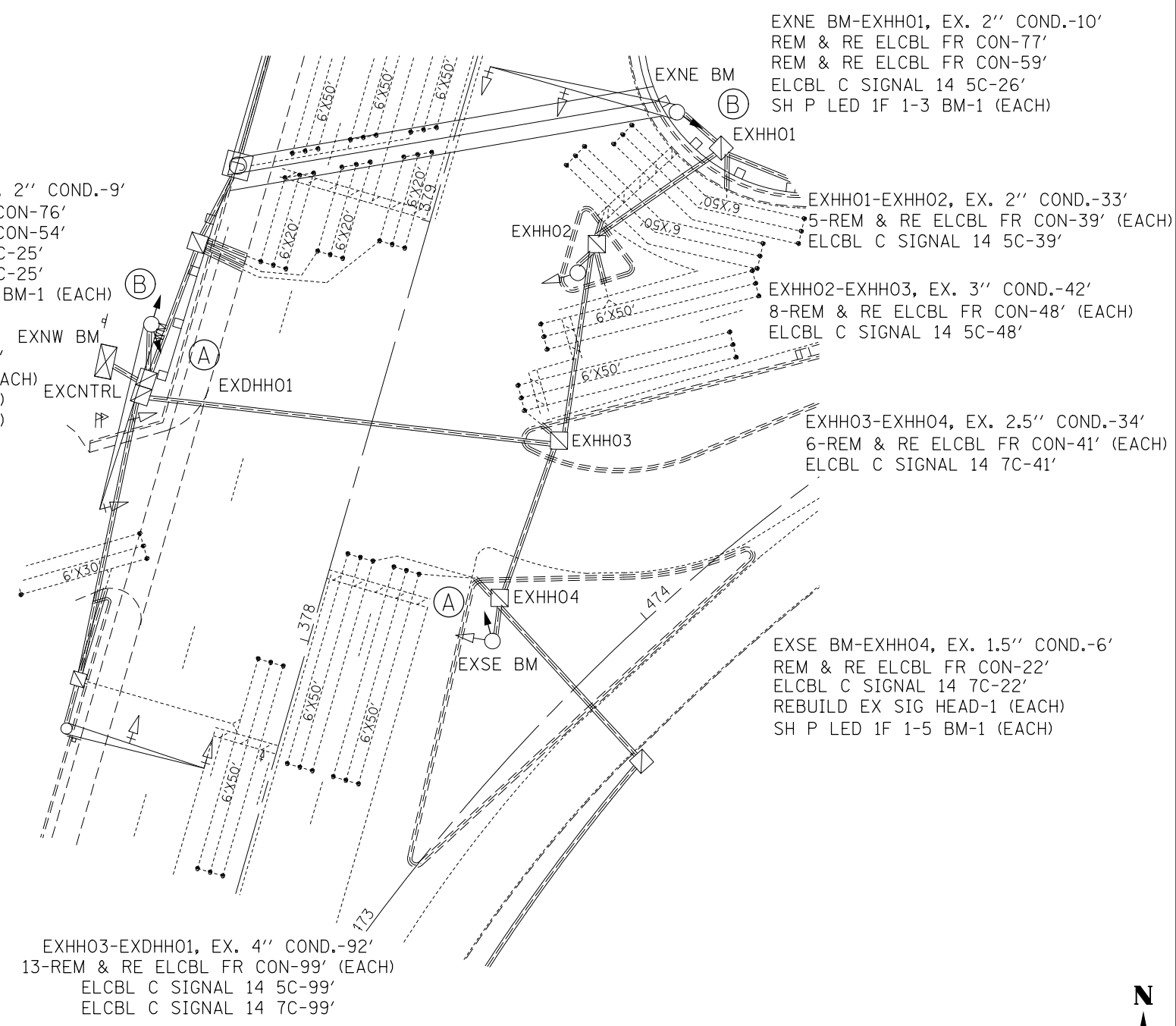
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↘	↙	↗	↖	↵	↗	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	6	6	NONE	NONE	1 OR 2	1 OR 2		



PHASE DESIGNATION DIAGRAM

EXNW BM-EXDHH01, EX. 2" COND.-9'
 REM & RE ELCBL FR CON-76'
 REM & RE ELCBL FR CON-54'
 ELCBL C SIGNAL 14 5C-25'
 ELCBL C SIGNAL 14 7C-25'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

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



***MADISON & ST. CLAIR

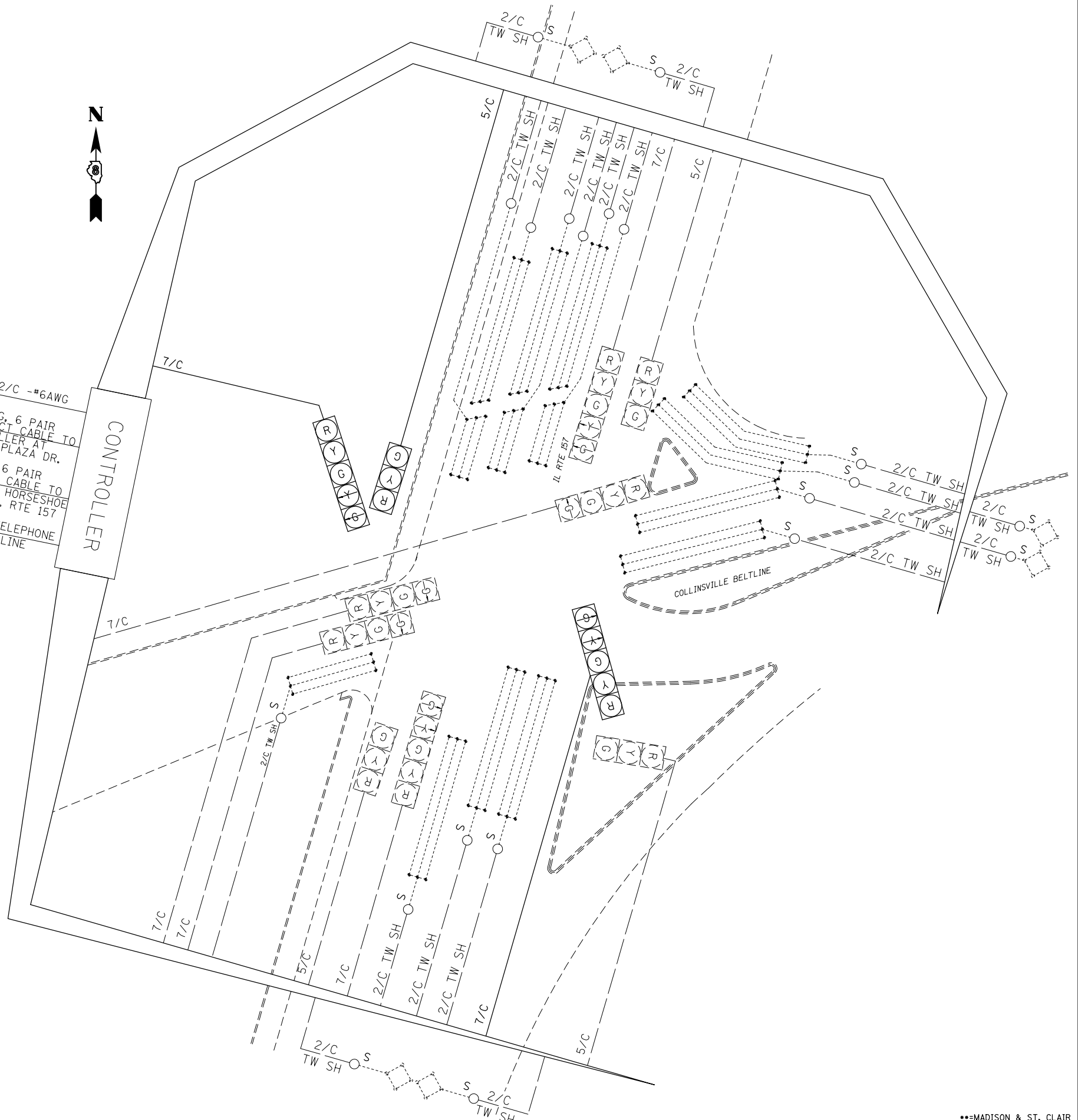
CABLE DIAGRAM LEGEND

- 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



2/C -#6AWG
 #22 AWG, 6 PAIR
 INTERCONNECT CABLE TO
 CONTROLLER AT
 EASTPORT PLAZA DR.
 #22 AWG, 6 PAIR
 INTERCONNECT CABLE TO
 CONTROLLER AT HORSESHOE
 LAKE RD. & IL. RTE 157
 DIAL UP TELEPHONE
 CABLE LINE

CONTROLLER



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	281
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	231
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	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	3023

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 10/21/2016		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

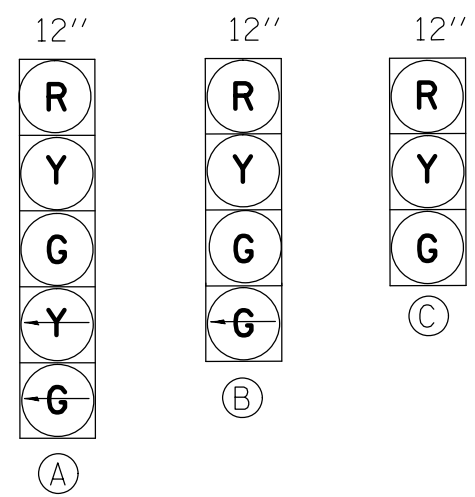
**IL 157 & COLLINSVILLE BELTLINE (COLLINSVILLE, MADISON CNTY.)
 WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	16
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

***MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

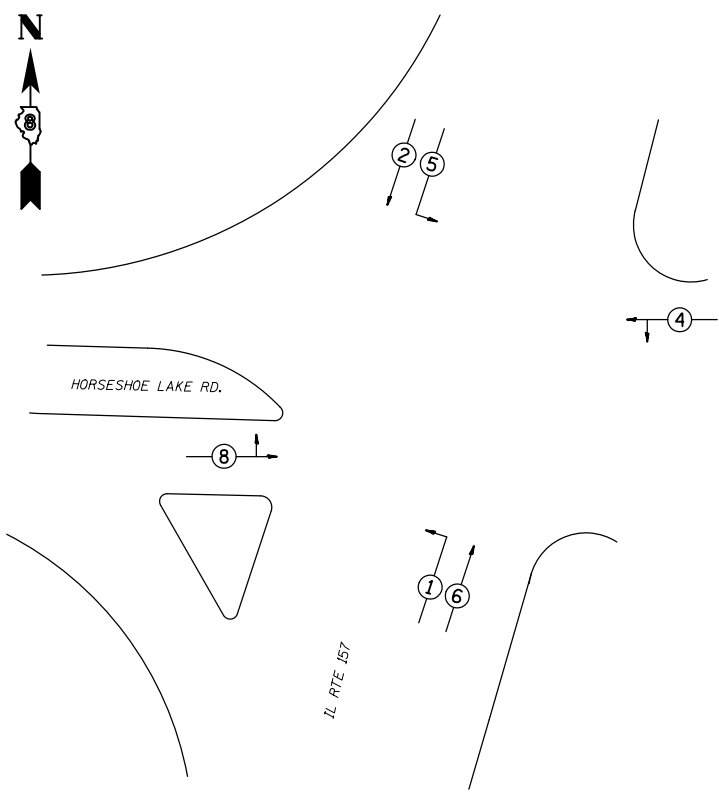


PROPOSED TRAFFIC SIGNAL FACES

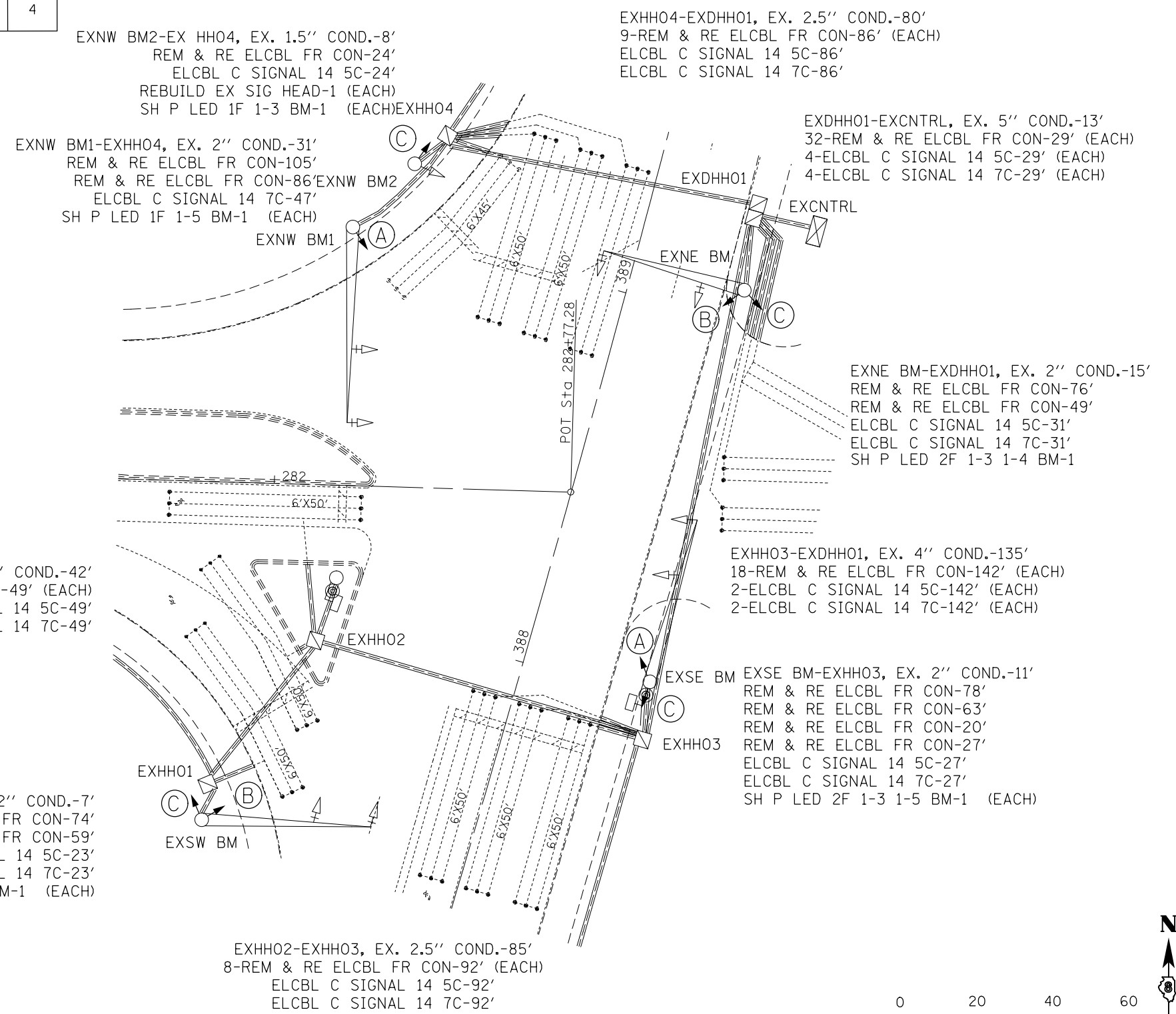
EXISTING FULL-ACTUATED CONTROLLER

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/21/2016	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION


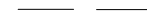
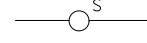


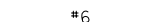

IL 157 & HORSESHOE LAKE (COLLINSVILLE, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

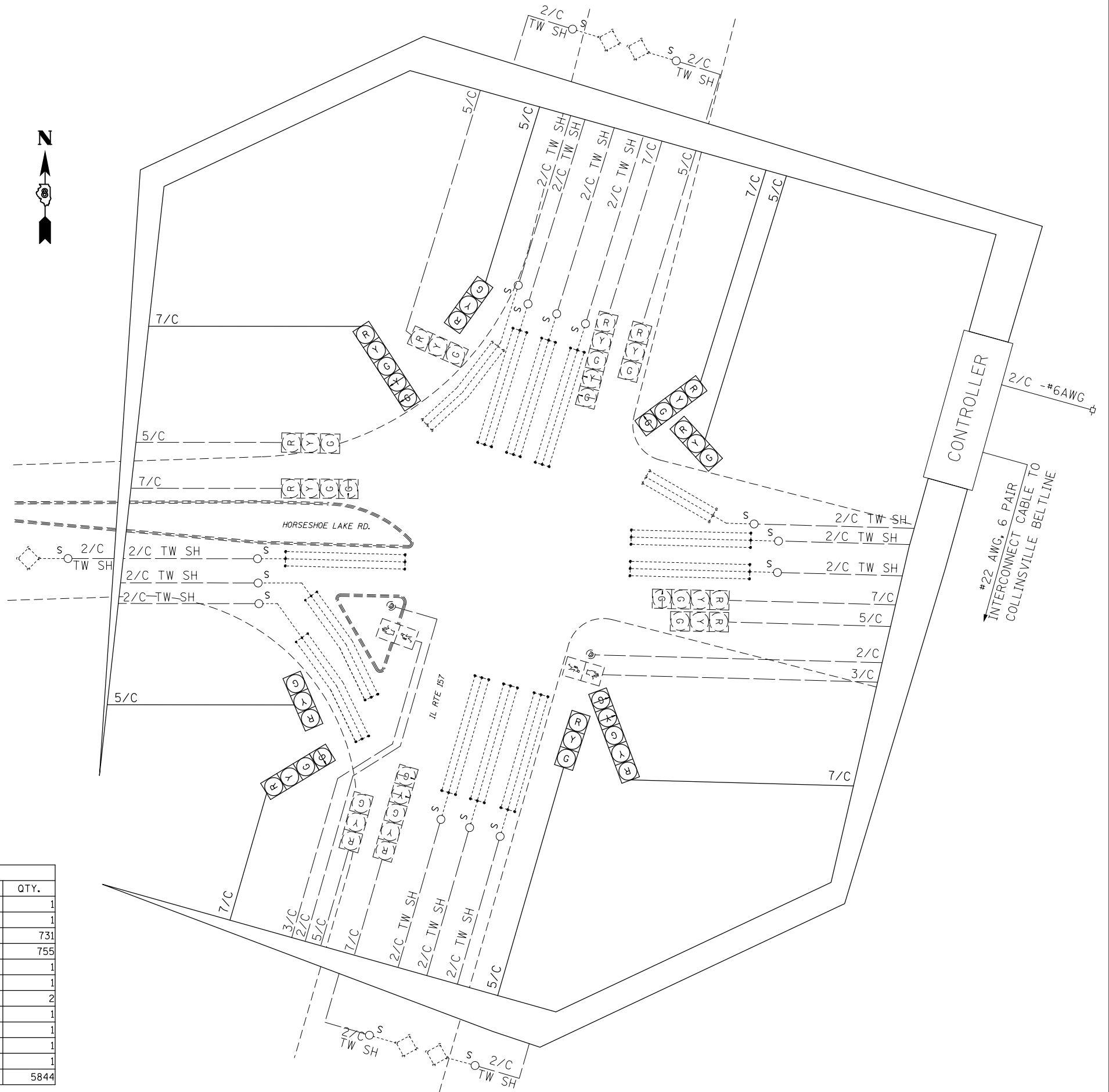
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2017-1	**	136	17
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**=MADISON & ST. CLAIR

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



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	731
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	755
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
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
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	5844

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\D876\DRAWING\DATA\EA0\Sheets\D876J22-sht-tsplo		CHECKED -	REVISED -
		DATE -	REVISED -

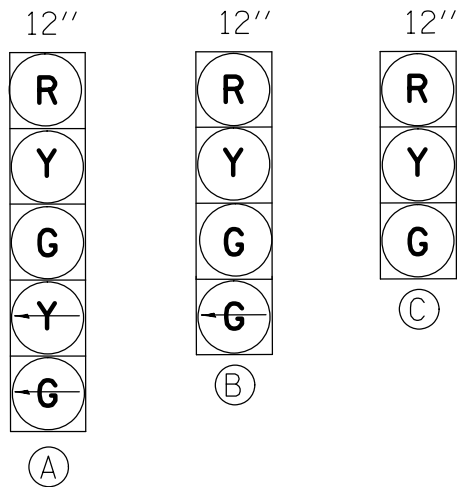
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 157 & HORSESHOE LAKE (COLLINSVILLE, MADISON CNTY.)
WIRING DIAGRAM**

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

RET.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	18
**VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

***MADISON & ST. CLAIR

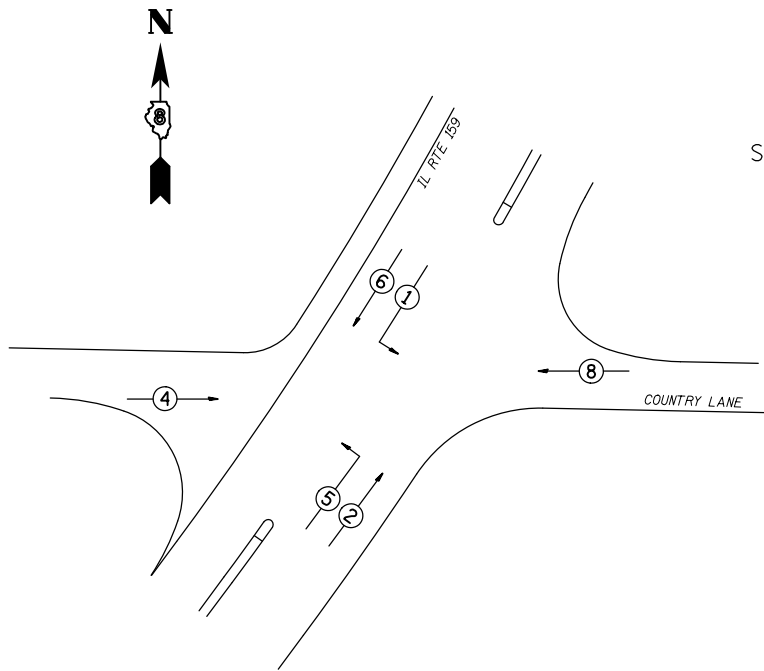


PROPOSED TRAFFIC SIGNAL FACES

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

* SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES" AND "DETAIL, HANDHOLE TO INTERCEPT EXISTING CONDUIT"



PHASE DESIGNATION DIAGRAM

PRNW BM-PRHH01, 1.5 " COND.-5'
 LOCATE UNDERGR CABLE-10'
 *INTERCEPT EX CONDUIT-1 (EACH)
 HANDHOLE PCC-1 (EACH)
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-5'
 TS POST A 14-1 (EACH)
 ELCBL C SIGNAL 14 5C-21'
 ELCBL C SIGNAL 14 7C-21'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

PRHH01-EXHH01, 2 " COND.-67'
 4-REM & RE ELCBL FR CON-74'
 ELCBL C SIGNAL 14 5C-74'
 ELCBL C SIGNAL 14 7C-74'

EXSW BM-EXHH01, 2 " COND.-7'
 REM & RE ELCBL FR CON-74'
 REM & RE ELCBL FR CON-57'
 REM & RE ELCBL FR CON-78'
 REM & RE ELCBL FR CON-64'
 2-ELCBL C SIGNAL 14 5C-23'
 2-ELCBL C SIGNAL 14 7C-23'
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

EXHH01-EXHH02, 2 " COND.-116'
 10-REM & RE ELCBL FR CON-122'
 ELCBL C SIGNAL 14 5C-122'
 ELCBL C SIGNAL 14 7C-122'

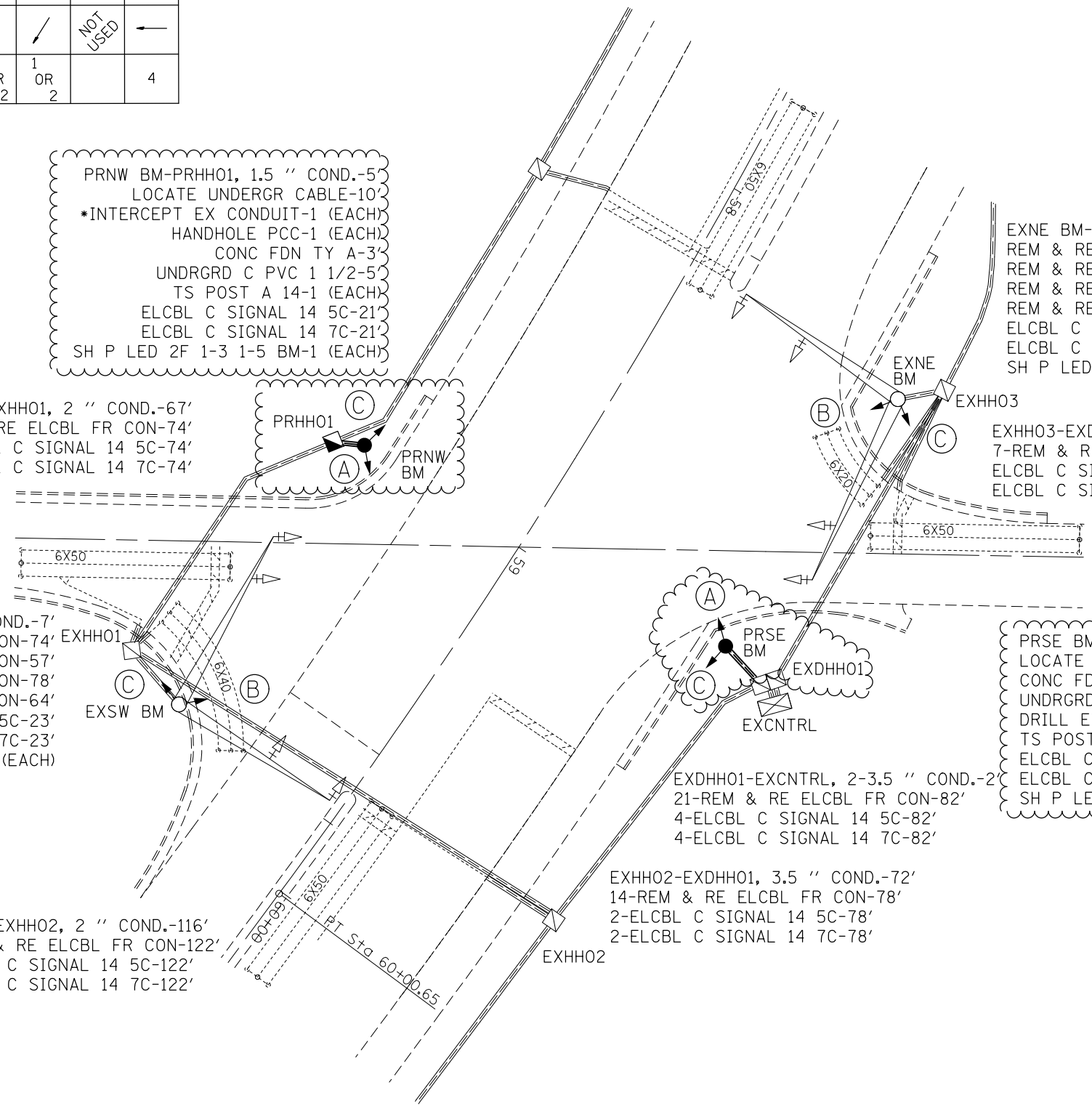
EXHH02-EXDHH01, 3.5 " COND.-72'
 14-REM & RE ELCBL FR CON-78'
 2-ELCBL C SIGNAL 14 5C-78'
 2-ELCBL C SIGNAL 14 7C-78'

EXDHH01-EXCNTRL, 2-3.5 " COND.-2'
 21-REM & RE ELCBL FR CON-82'
 4-ELCBL C SIGNAL 14 5C-82'
 4-ELCBL C SIGNAL 14 7C-82'

PRSE BM-EXDHH01, 1.5 " COND.-9'
 LOCATE UNDERGR CABLE-10'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-9'
 DRILL EX HANDHOLE-1 (EACH)
 TS POST A 14-1 (EACH)
 ELCBL C SIGNAL 14 5C-25'
 ELCBL C SIGNAL 14 7C-25'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)



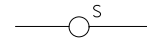
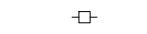
EXNE BM-EXHH03, 2 " COND.-7'
 REM & RE ELCBL FR CON-74'
 REM & RE ELCBL FR CON-57'
 REM & RE ELCBL FR CON-78'
 REM & RE ELCBL FR CON-64'
 ELCBL C SIGNAL 14 5C-23'
 ELCBL C SIGNAL 14 7C-23'
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

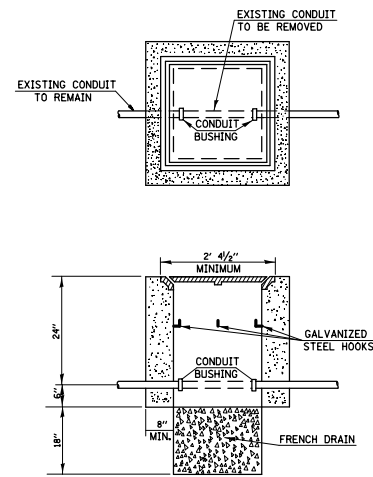
EXHH03-EXDHH01, 3.5 " COND.-75'
 7-REM & RE ELCBL FR CON-82'
 ELCBL C SIGNAL 14 5C-82'
 ELCBL C SIGNAL 14 7C-82'



**=MADISON & ST. CLAIR

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



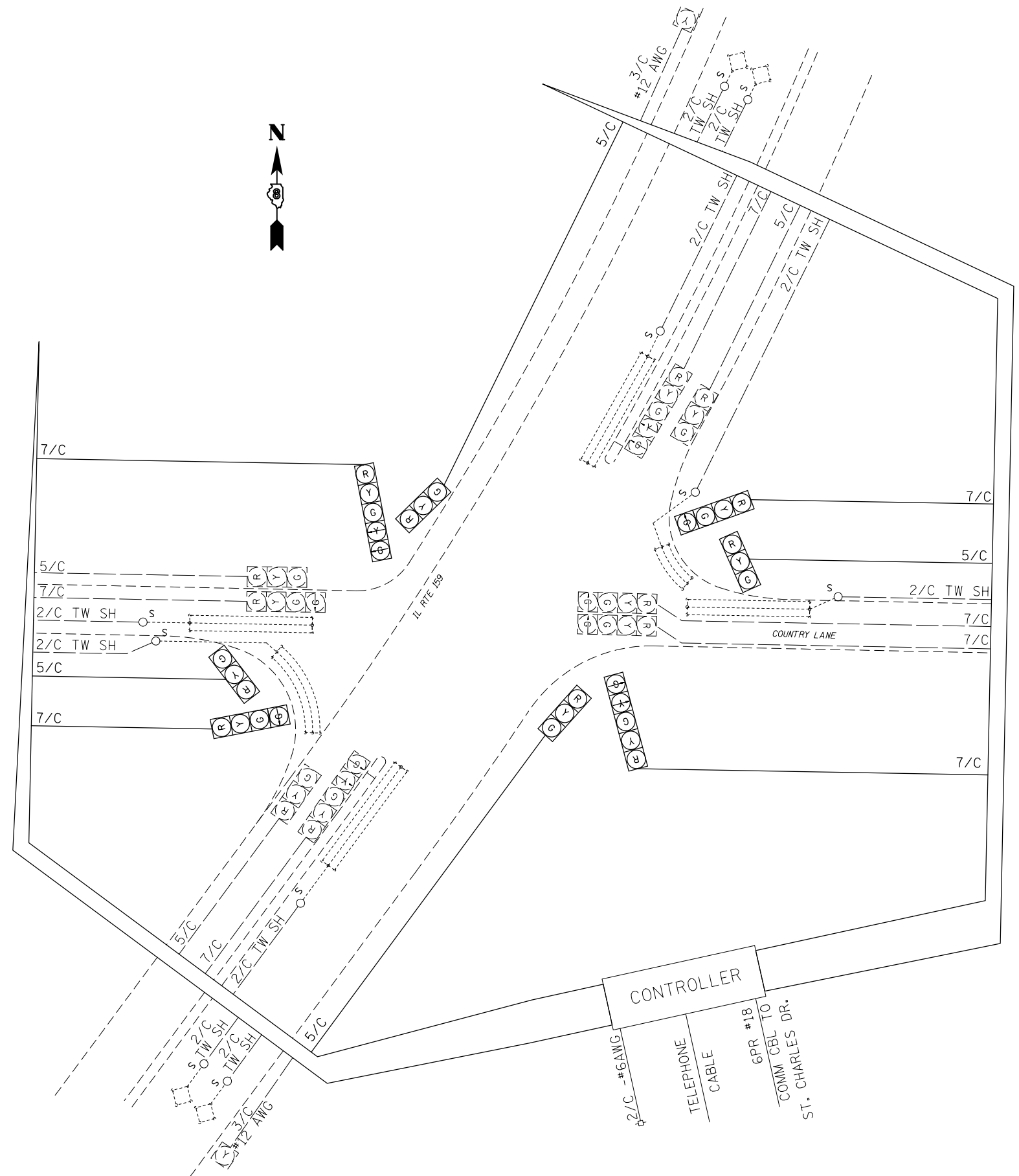
**DETAIL
HANDHOLE TO INTERCEPT EXISTING CONDUIT***

* NOT A PAY ITEM

NOTES:

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

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	20
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	14
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	877
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	877
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5451
X8100863	INTERCEPT EXISTING CONDUIT	EACH	1



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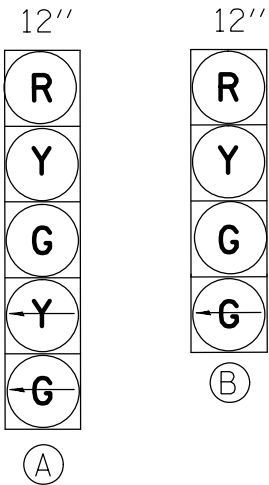
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & COUNTRY (COLLINSVILLE, MADISON CNTY.)
WIRING DIAGRAM**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
•	DIST 8 TS 2017-1	••	136	20
•=VARIOUS				CONTRACT NO. 76J22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••=MADISON & 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		

EXNW BM-EXDHH01, 2 " COND.-12'
 REM & RE ELCBL FR CON-76'
 REM & RE ELCBL FR CON-59'
 REM & RE ELCBL FR CON-28'
 ELCBL C SIGNAL 14 7C-28'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-4 BM-1 (EACH)

EXHH01-EXDHH01, 3.5 " COND.-95'
 10-REM & RE ELCBL FR CON-102' (EACH)
 ELCBL C SIGNAL 14 7C-102'

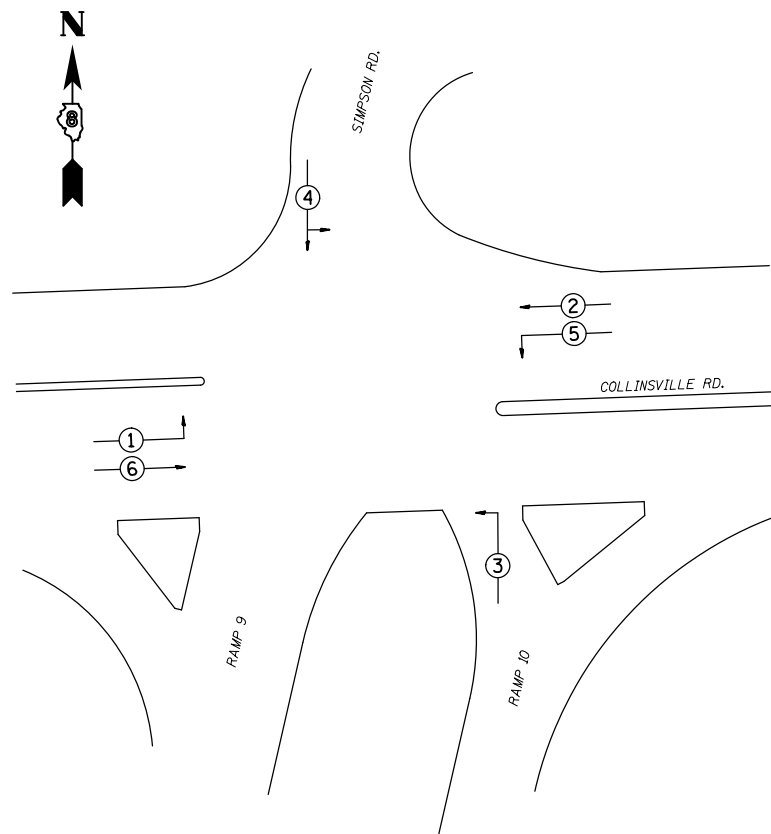
EXNW BM-EXDHH01, 2 " COND.-12'
 REM & RE ELCBL FR CON-76'
 REM & RE ELCBL FR CON-59'
 REM & RE ELCBL FR CON-28'
 ELCBL C SIGNAL 14 7C-28'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-4 BM-1 (EACH)

EXNE BM-EXHH01, 2 " COND.-3'
 REM & RE ELCBL FR CON-65'
 REM & RE ELCBL FR CON-36'
 REM & RE ELCBL FR CON-19'
 ELCBL C SIGNAL 14 7C-19'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-5 BM-1 (EACH)

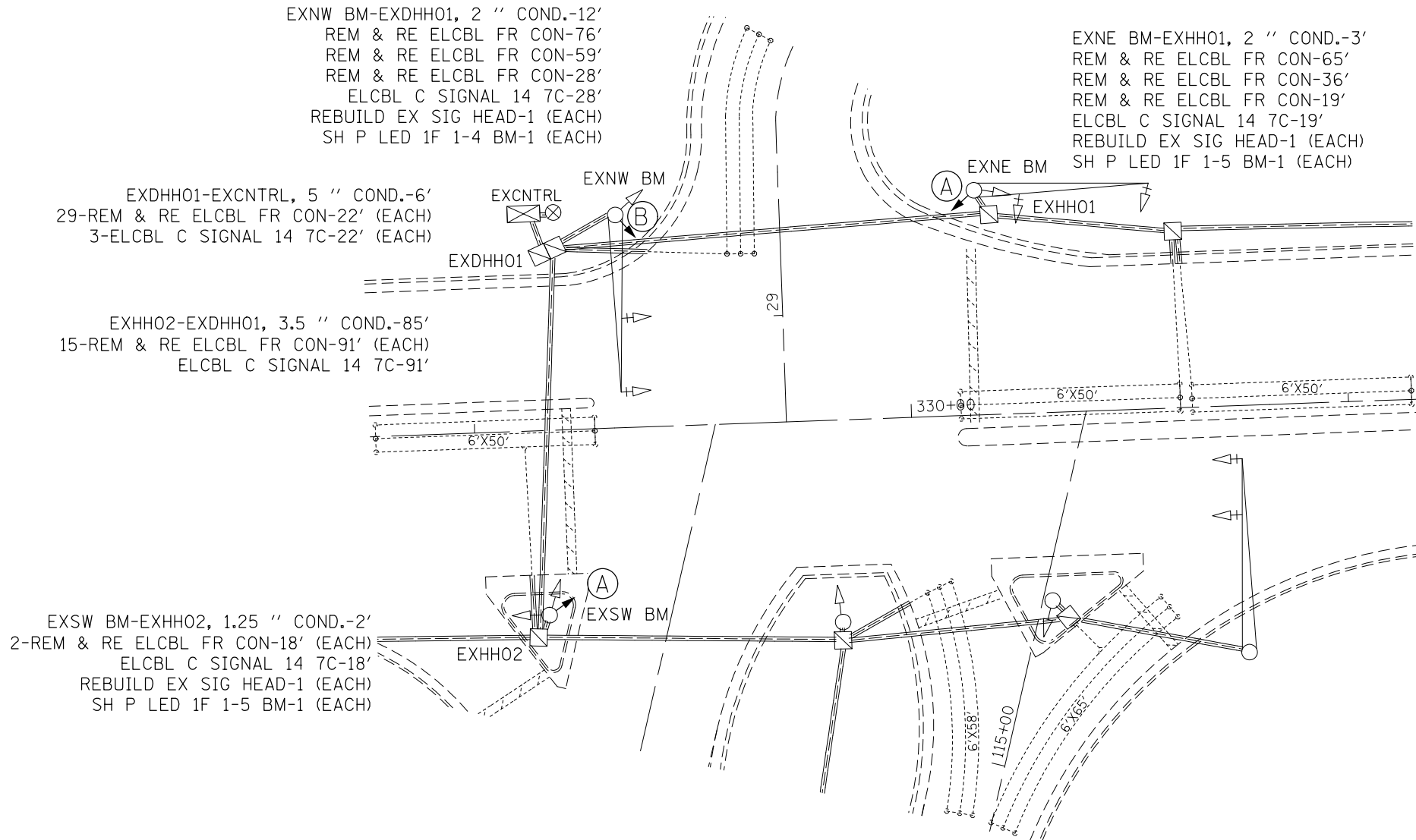
EXDHH01-EXCNTRL, 5 " COND.-6'
 29-REM & RE ELCBL FR CON-22' (EACH)
 3-ELCBL C SIGNAL 14 7C-22' (EACH)

EXHH02-EXDHH01, 3.5 " COND.-85'
 15-REM & RE ELCBL FR CON-91' (EACH)
 ELCBL C SIGNAL 14 7C-91'

EXSW BM-EXHH02, 1.25 " COND.-2'
 2-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



***MADISON & ST. CLAIR

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

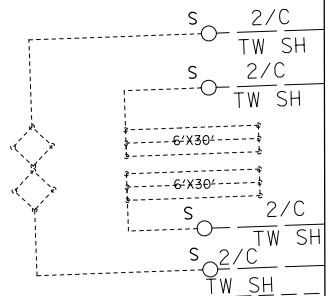
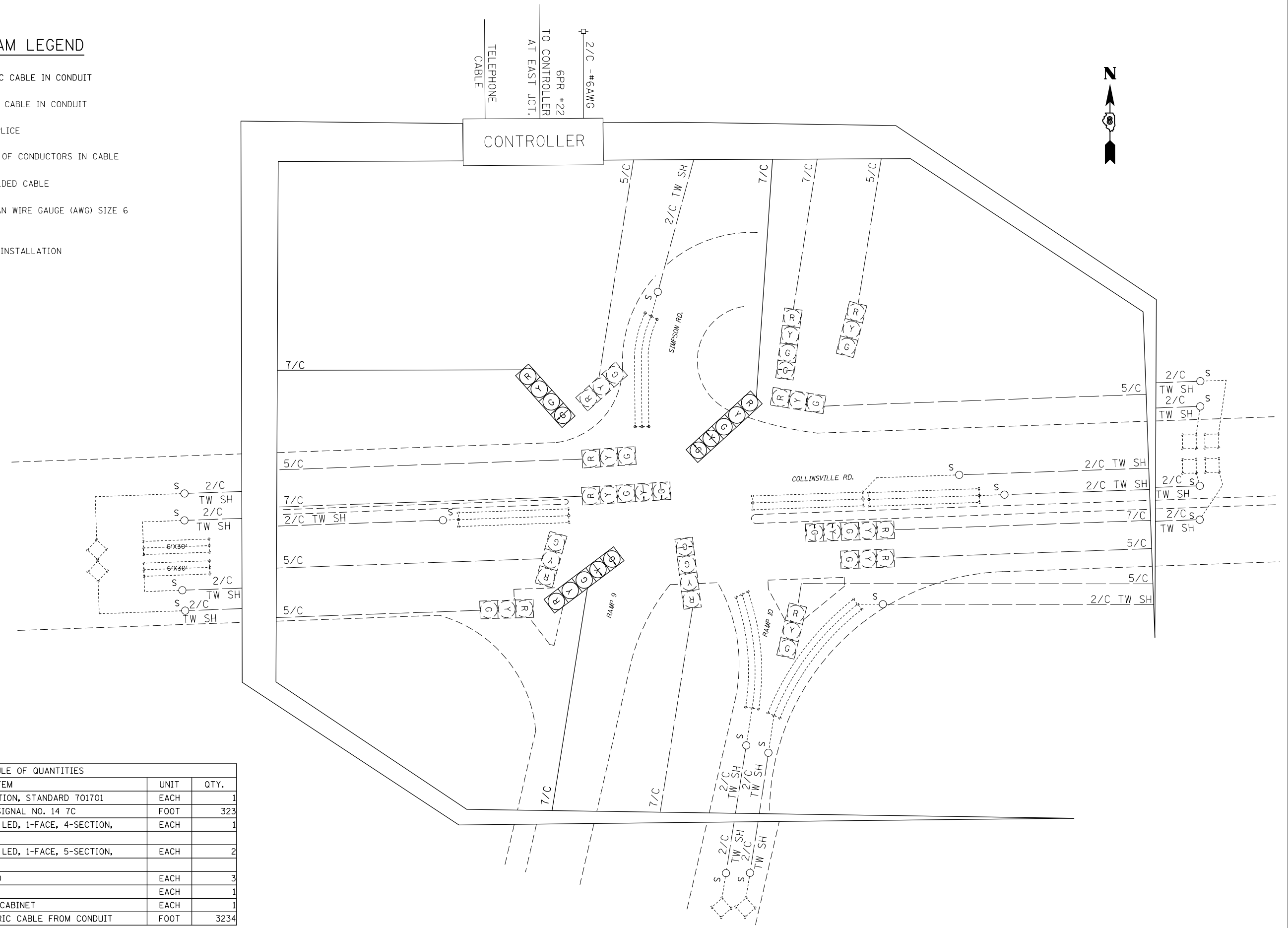
1255 & COLLINSVILLE W JCT (COLLINSVILLE, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2017-1	**	136	21
**=VARIOUS			CONTRACT NO. 76J22	
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	323
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	3
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3234

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

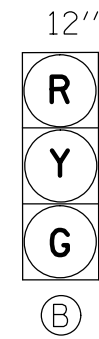
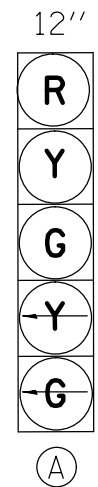
**1255 & COLLINSVILLE W JCT (COLLINSVILLE, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	••	136	22
••=VARIOUS				CONTRACT NO. 76J22
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

••=MADISON & ST. CLAIR

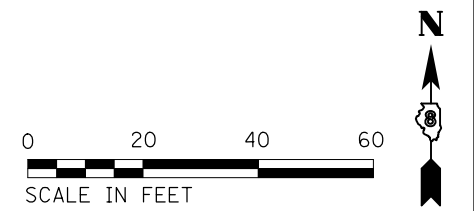
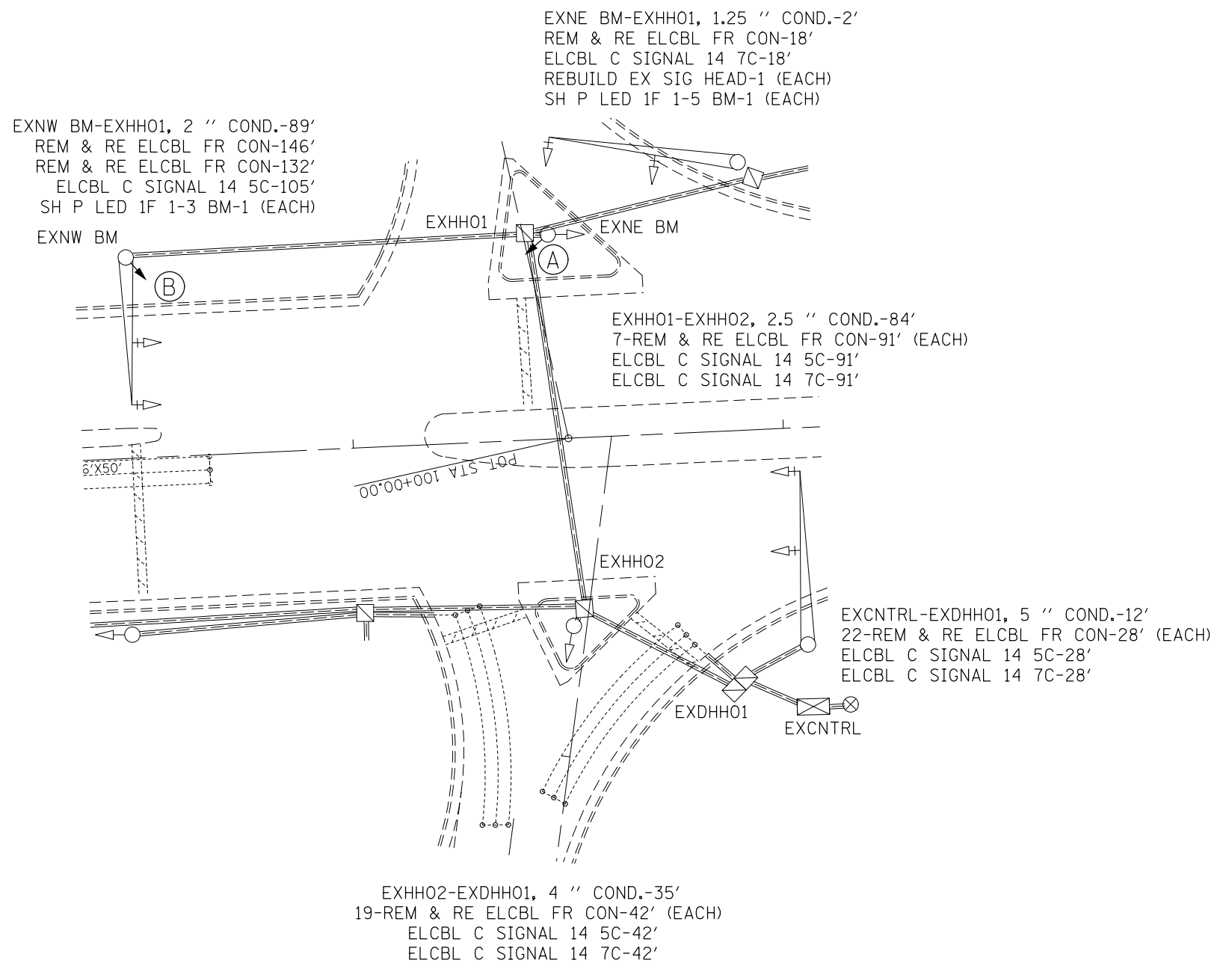
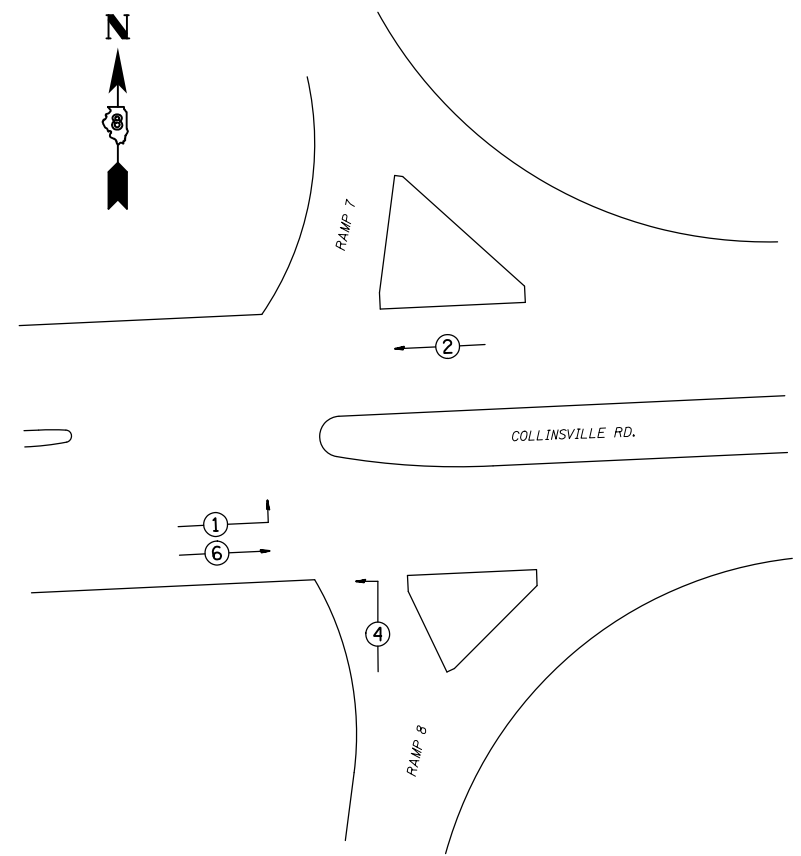
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



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	6	6		NONE		2		



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	PLOT DATE = 10/21/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I 255 & COLLINSVILLE E JCT (COLLINSVILLE, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

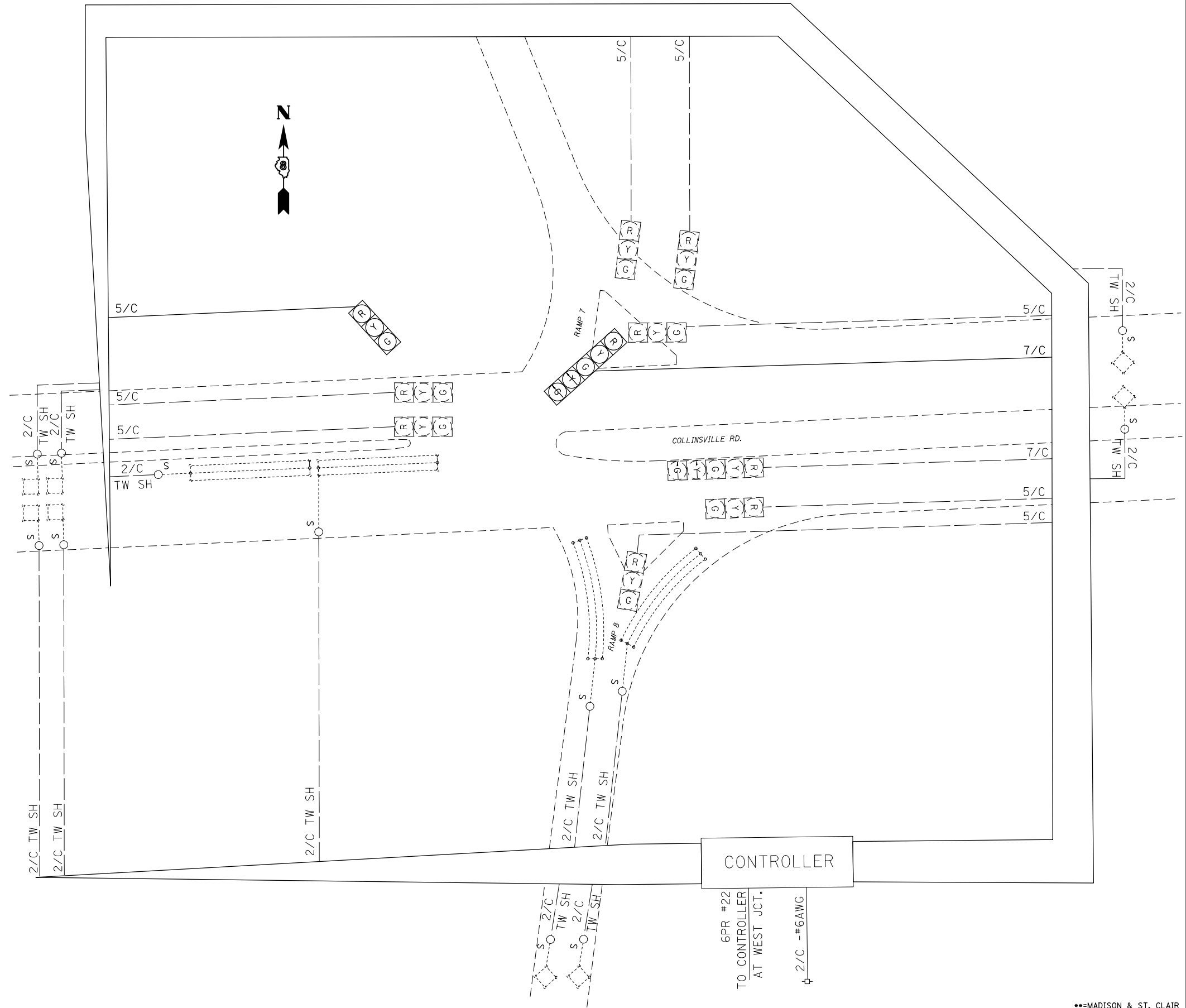
SCALE: SHEET NO. OF SHEETS STA. TO STA.

ROUTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	••	136	23
••=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••=MADISON & ST. CLAIR

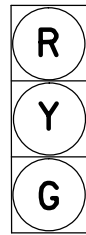
CABLE DIAGRAM LEGEND

- 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.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	265
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	178
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	2308

12''

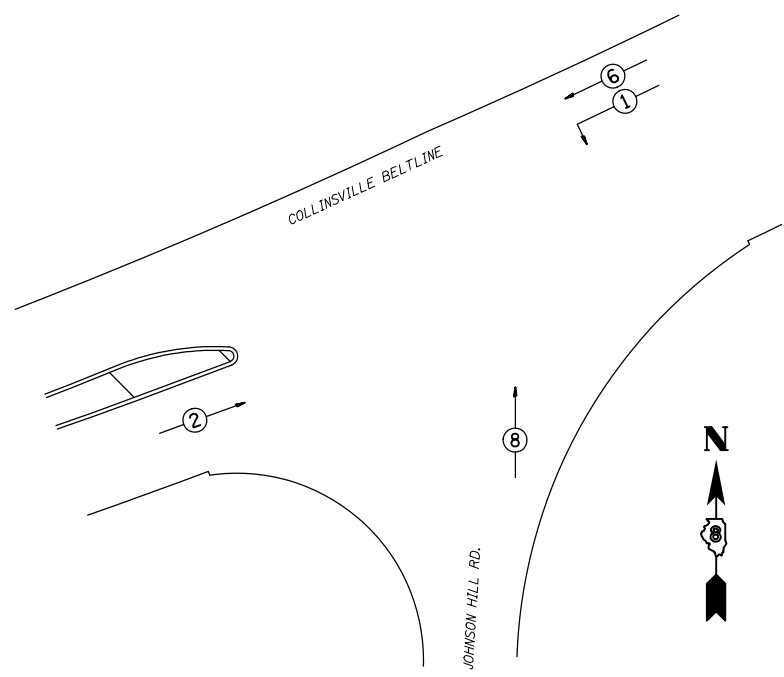


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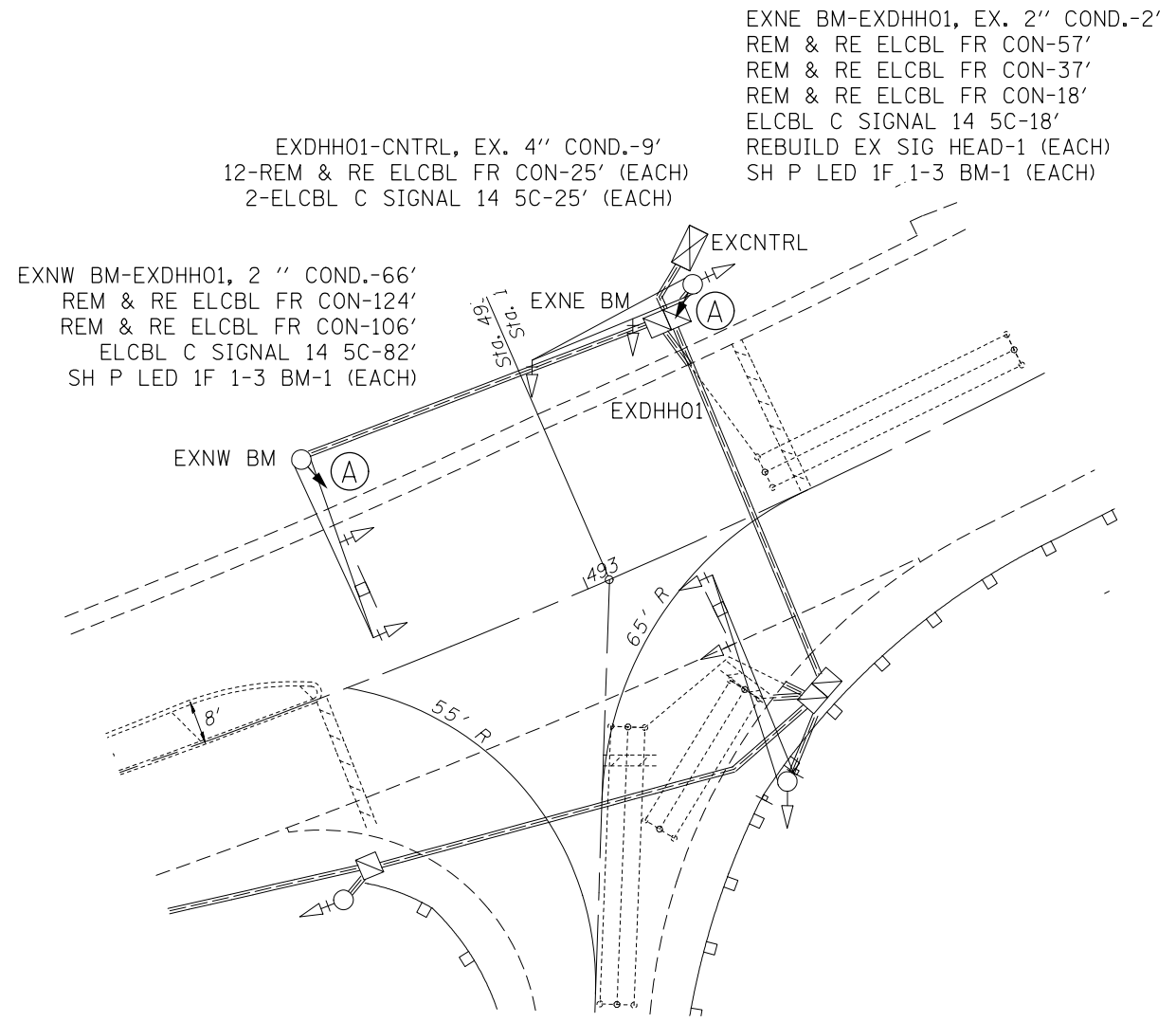
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	↘	NOT USED	NOT USED	NOT USED	↖	NOT USED	↑
CONCURRENT MOVEMENT PERMITTED	6	6				1 OR 2		NONE

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

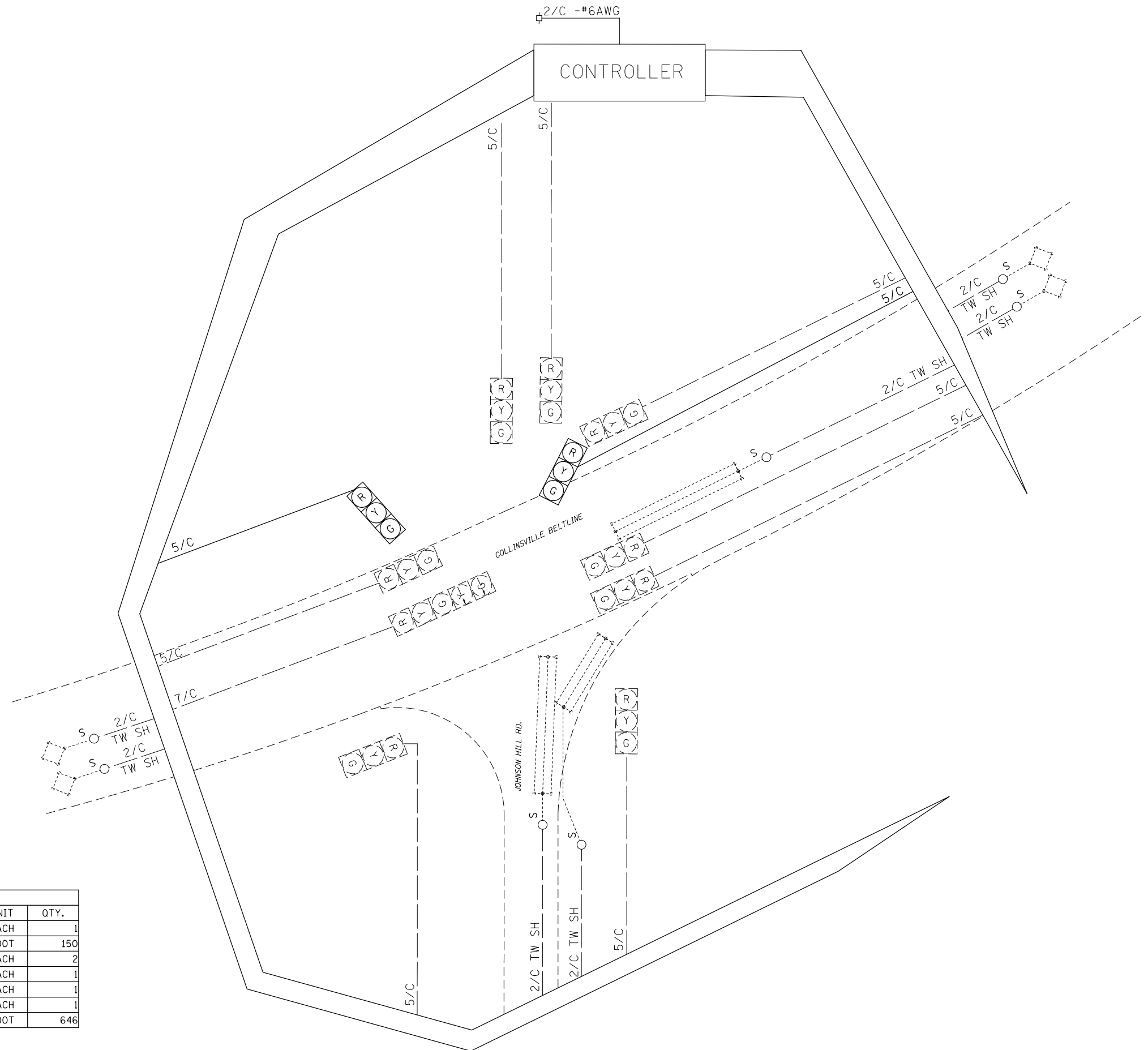


***MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COLLINSVILLE BELTLINE & JOHNSON HILL (COLLINSVILLE, MADISON CNTY.) TRAFFIC SIGNAL PLAN				RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLLOT DATE = 10/21/2016	DATE -	REVISED -	•		CONTRACT NO. 76J22								
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	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	150
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-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	646

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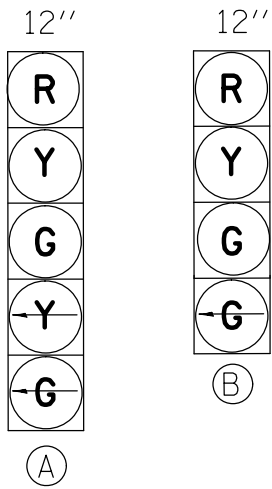
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COLLINSVILLE BELTLINE & JOHNSON HILL (COLLINSVILLE, MADISON CNTY.)
WIRING DIAGRAM**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		DIST 8 TS 2017-1	**	136	26
**=VARIOUS				CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

**=MADISON & ST. CLAIR

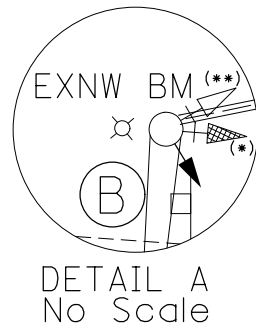


PROPOSED TRAFFIC SIGNAL FACES

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		

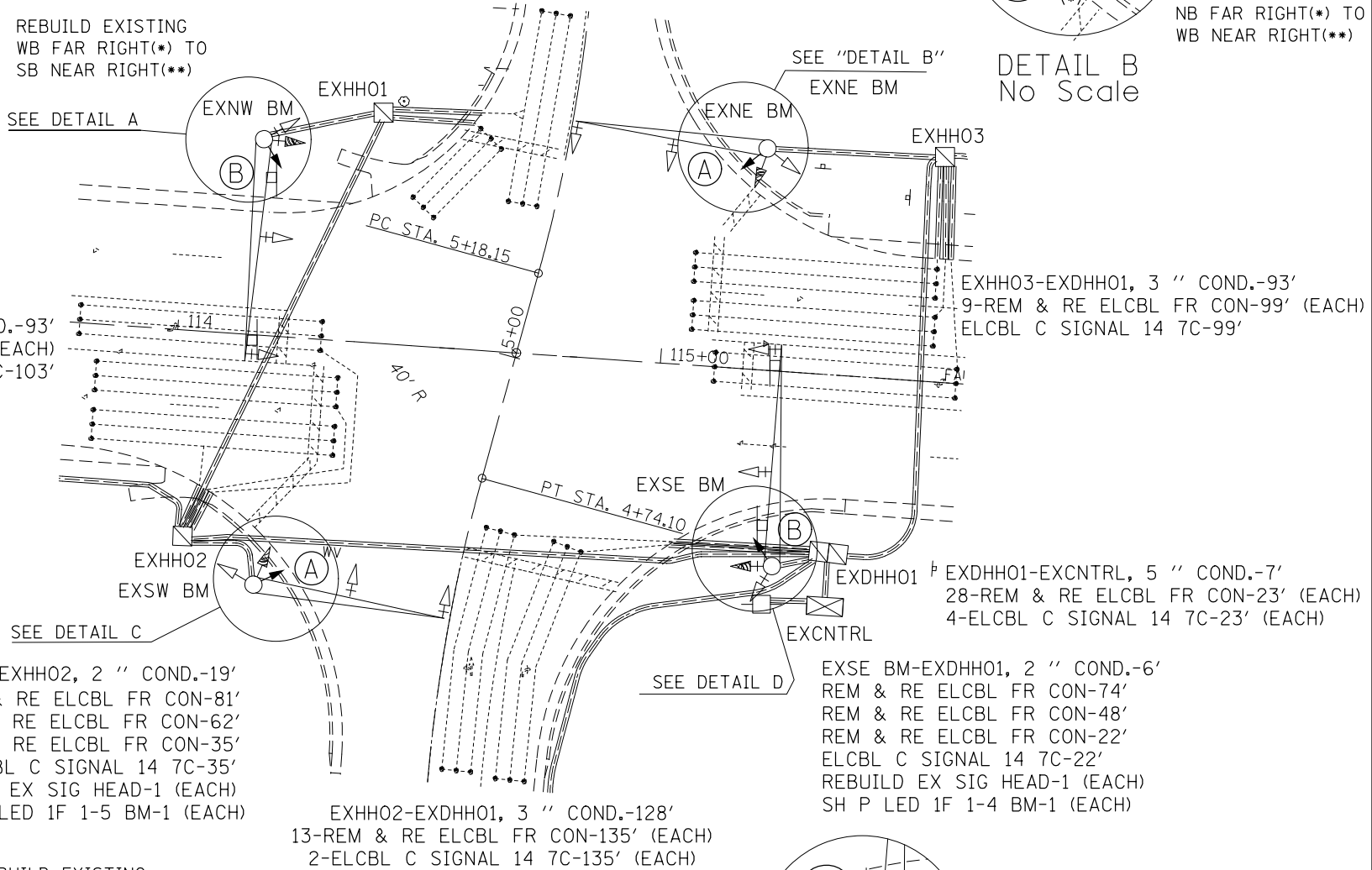
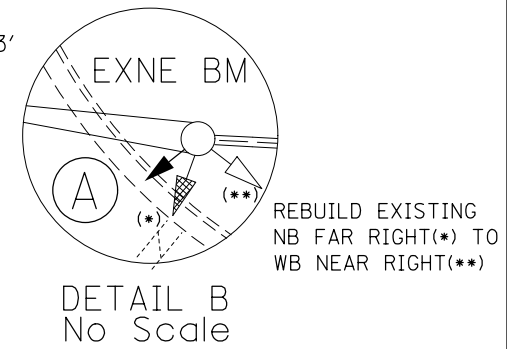
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



EXHHO1-EXHHO2, 3 " COND.-93'
5-REM & RE ELCBL FR CON-103' (EACH)
ELCBL C SIGNAL 14 7C-103'

EXNW BM-EXHHO1, 2 " COND.-22'
REM & RE ELCBL FR CON-89'
REM & RE ELCBL FR CON-65'
REM & RE ELCBL FR CON-38'
ELCBL C SIGNAL 14 7C-38'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-4 BM-1 (EACH)

EXNE BM-EXHHO3, 2 " COND.-33'
REM & RE ELCBL FR CON-95'
REM & RE ELCBL FR CON-75'
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)



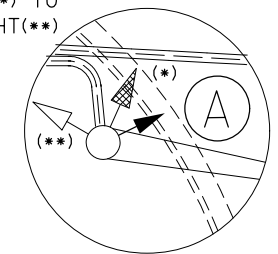
EXSW BM-EXHHO2, 2 " COND.-19'
REM & RE ELCBL FR CON-81'
REM & RE ELCBL FR CON-62'
REM & RE ELCBL FR CON-35'
ELCBL C SIGNAL 14 7C-35'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-5 BM-1 (EACH)

EXHHO2-EXDHHO1, 3 " COND.-128'
13-REM & RE ELCBL FR CON-135' (EACH)
2-ELCBL C SIGNAL 14 7C-135' (EACH)

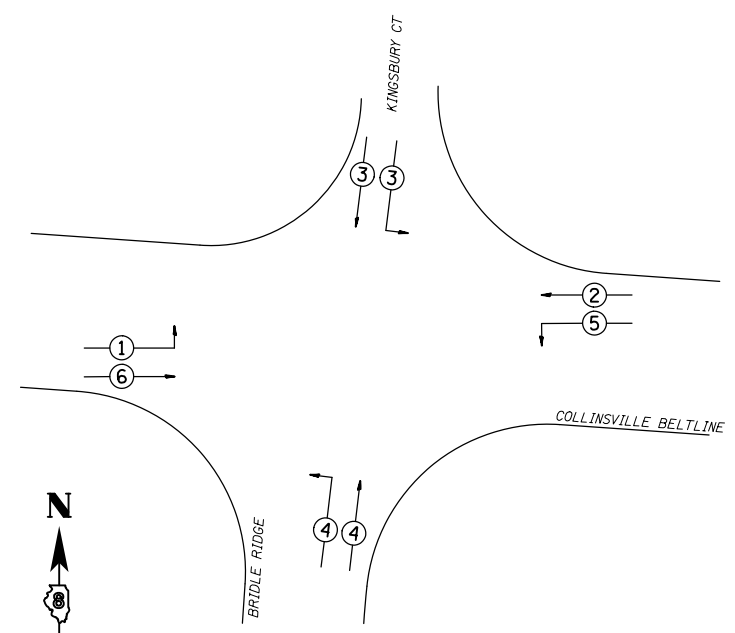
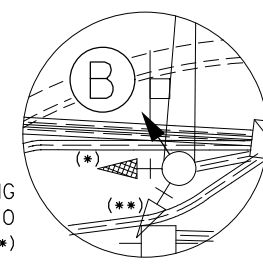
EXDHHO1-EXCENTRL, 5 " COND.-7'
28-REM & RE ELCBL FR CON-23' (EACH)
4-ELCBL C SIGNAL 14 7C-23' (EACH)

EXSE BM-EXDHHO1, 2 " COND.-6'
REM & RE ELCBL FR CON-74'
REM & RE ELCBL FR CON-48'
REM & RE ELCBL FR CON-22'
ELCBL C SIGNAL 14 7C-22'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-4 BM-1 (EACH)

REBUILD EXISTING SB FAR RIGHT(*) TO EB NEAR RIGHT(**)





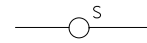

REBUILD EXISTING EB FAR RIGHT(*) TO NB NEAR RIGHT(**)

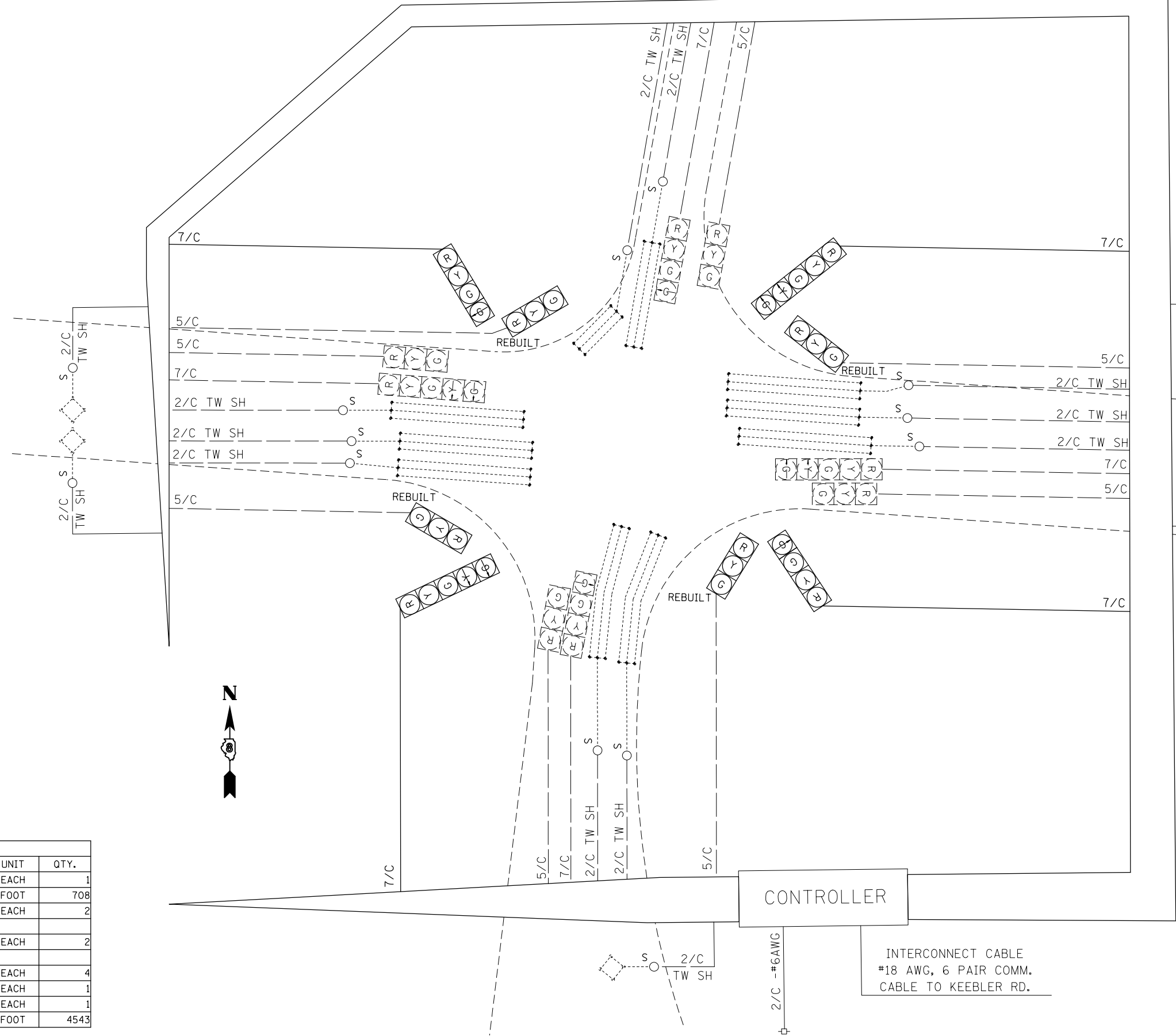


PHASE DESIGNATION DIAGRAM



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.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
8730125	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	708
8804010	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
8804015	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 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	4543

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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

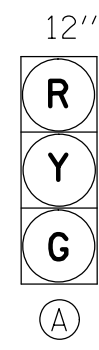
COLLINSVILLE BELTLINE & BRIDLE RIDGE (COLLINSVILLE, MADISON CNTY.)
WIRING DIAGRAM

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	28
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

***MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



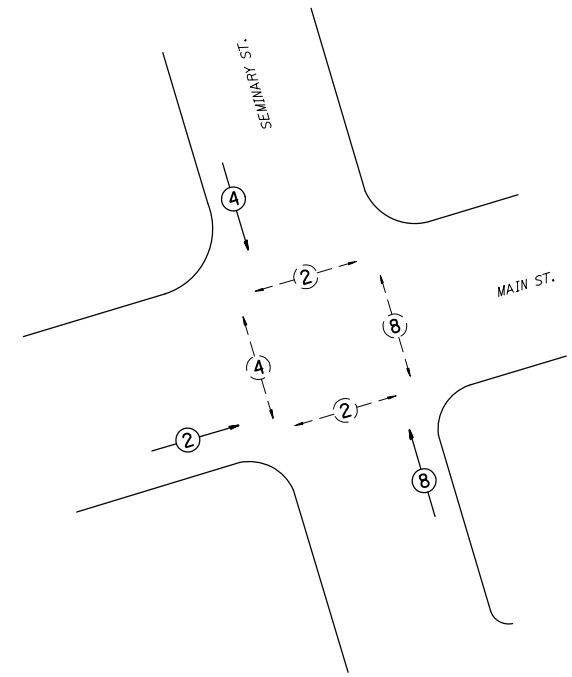
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

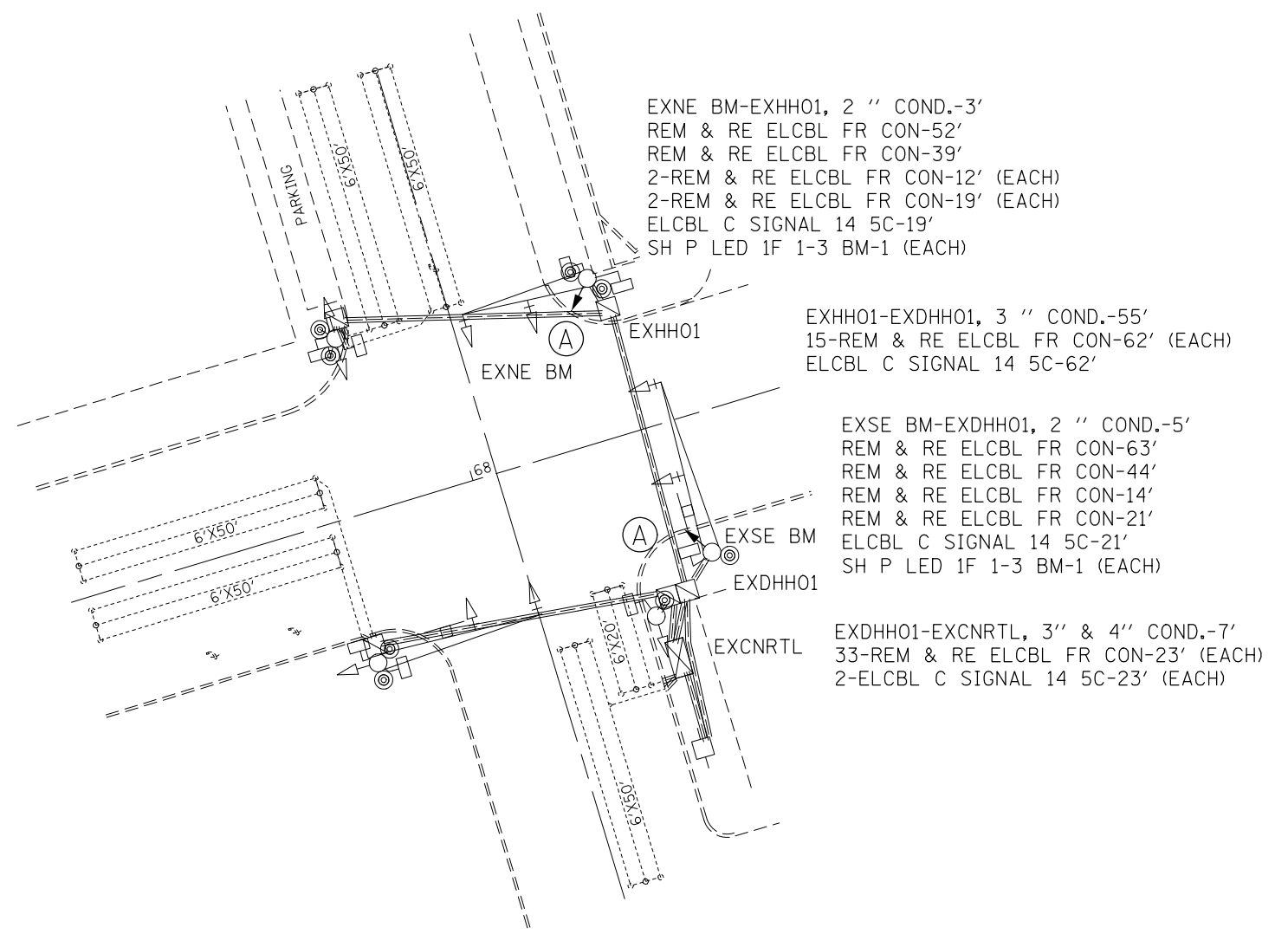
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	↗	NOT USED	↘	NOT USED	NOT USED	NOT USED	↖
CONCURRENT MOVEMENT PERMITTED		NONE		8				4

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

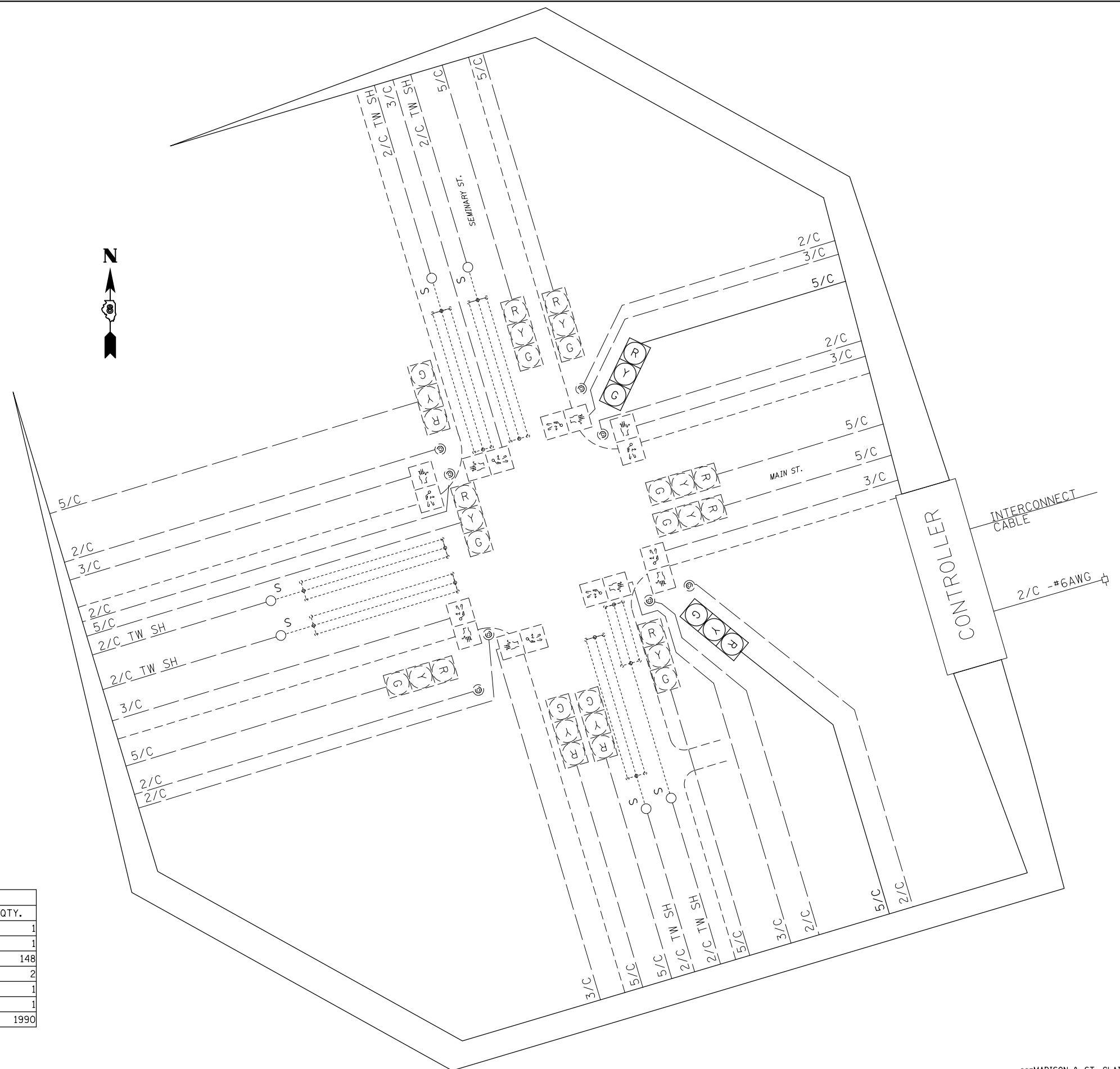


***MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAIN & SEMINARY (COLLINSVILLE, MADISON CNTY.) TRAFFIC SIGNAL PLAN			RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0876\DRAWING\DATA\EA0\sheets\0876J22-sht-tsp1on	PLLOT SCALE = 33.3333 ' / in.	CHECKED -	REVISED -					•	DIST 8 TS 2017-1	**	136	29
	PLLOT DATE = 10/21/2016	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 76J22				
					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	148
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	1990

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	PLOT DATE = 10/21/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

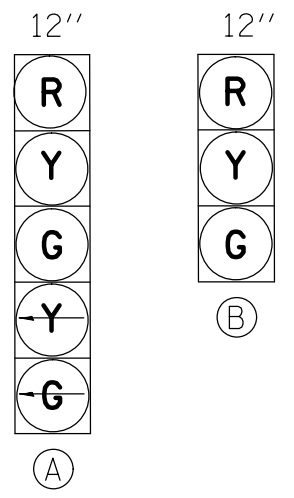
**MAIN & SEMINARY (COLLINSVILLE, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		DIST 8 TS 2017-1	••	136	30
•=VARIOUS				CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

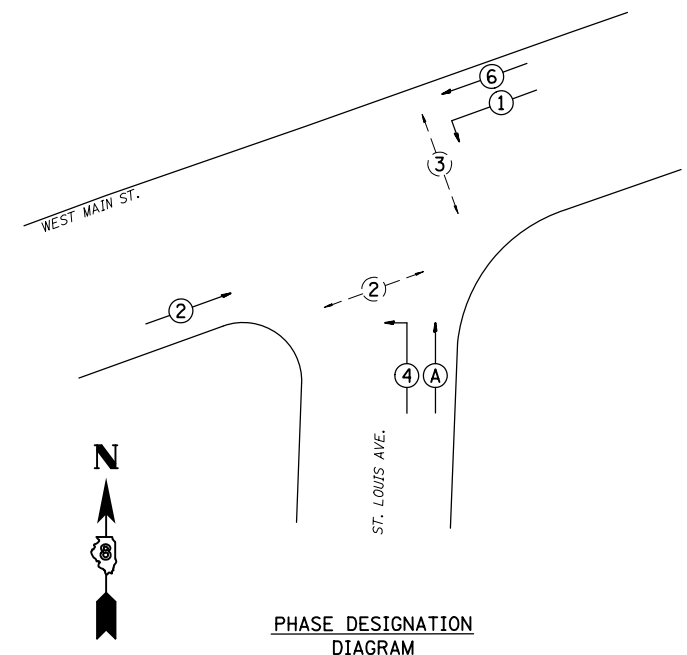


PROPOSED TRAFFIC SIGNAL FACES

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	↑
CONCURRENT MOVEMENT PERMITTED	6 OR O.L.A.	6	NONE	O.L.A.		1 OR 2			1 & 4

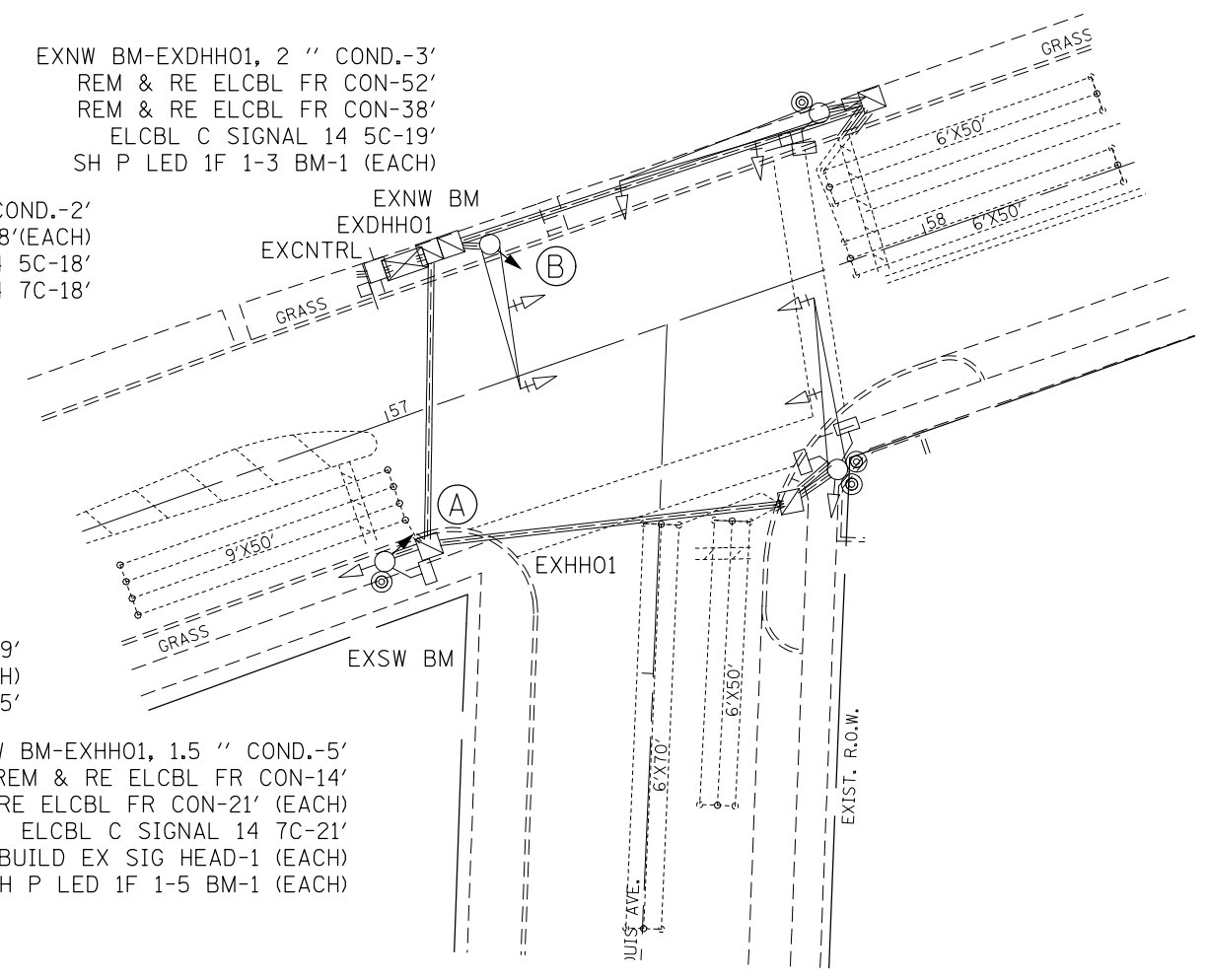
* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



EXDHH01-EXCNTRL, 3.5 " COND.-2'
 REM & RE ELCBL FR CON-18'(EACH)
 ELCBL C SIGNAL 14 5C-18'
 ELCBL C SIGNAL 14 7C-18'

EXHH01-EXDHH01, 3.5 " COND.-49'
 EM & RE ELCBL FR CON-55' (EACH)
 ELCBL C SIGNAL 14 7C-55'

EXSW BM-EXHH01, 1.5 " COND.-5'
 REM & RE ELCBL FR CON-14'
 EM & RE ELCBL FR CON-21' (EACH)
 ELCBL C SIGNAL 14 7C-21'
 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 DATE = 10/21/2016	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAIN & ST LOUIS (COLLINSVILLE, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

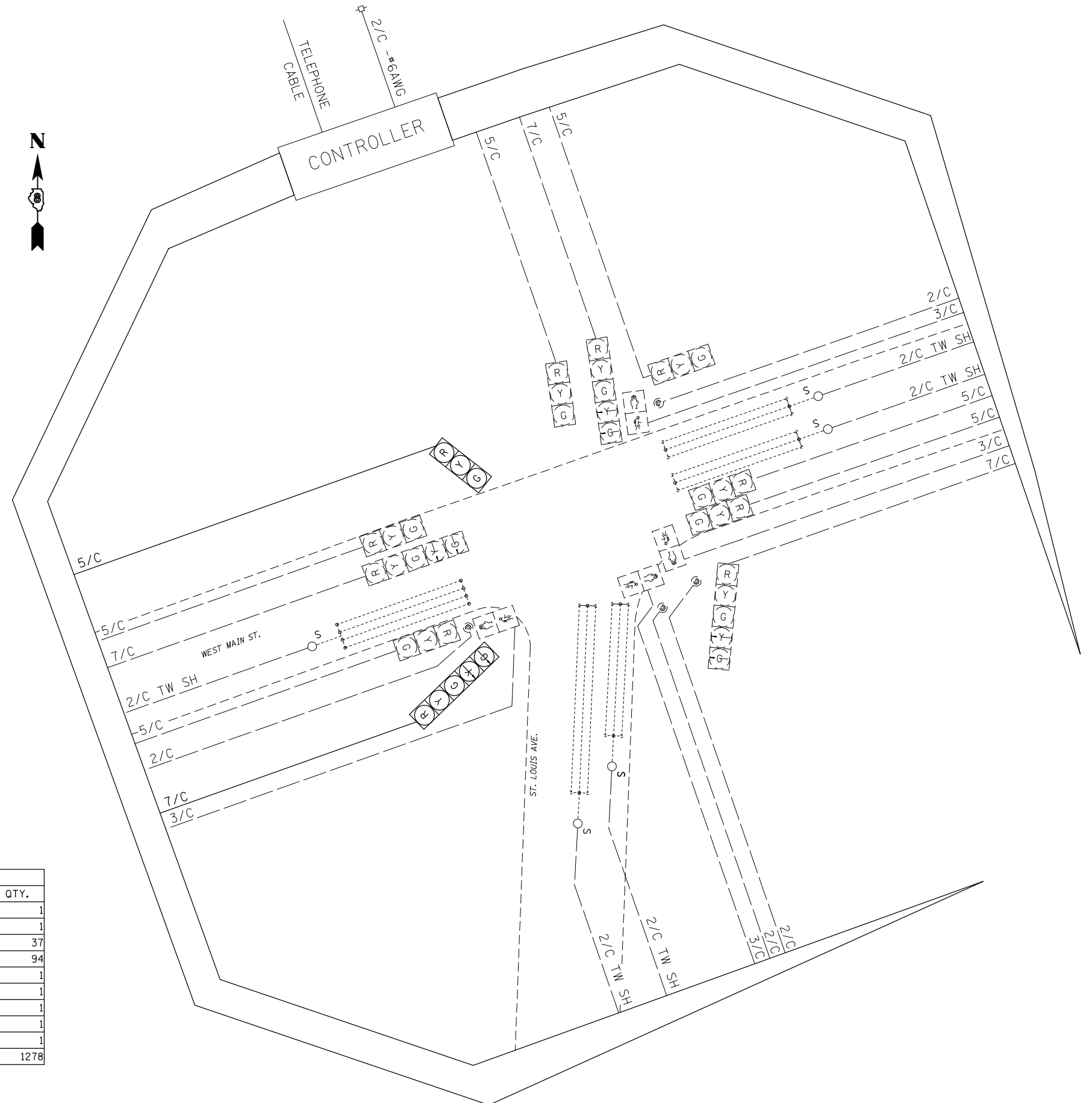
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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***MADISON & ST. CLAIR

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	31
**=VARIOUS			CONTRACT NO. 76J22	
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	37
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	94
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	1278

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	PLOT DATE = 10/21/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAIN & ST LOUIS (COLLINSVILLE, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		DIST 8 TS 2017-1	••	136	32
••=VARIOUS				CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

••=MADISON & ST. CLAIR

#1 IL 111/140 & FRANKLIN



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

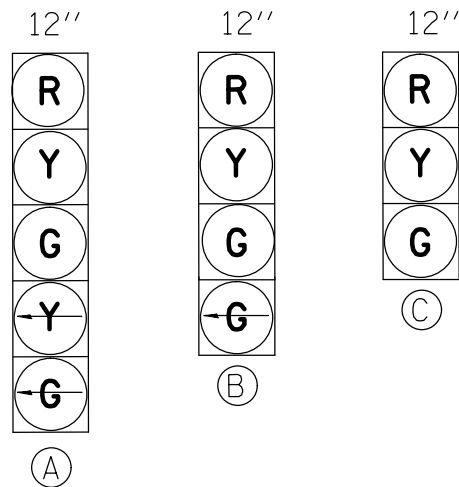
**LOCATION MAP
COTTAGE HILLS, MADISON CNTY.
1 OF 2**

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

**=MADISON & ST. CLAIR

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	33
•=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

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

EXNW BM-EXHH01, 2 " COND.-16'
 REM & RE ELCBL FR CON-83'
 REM & RE ELCBL FR CON-80'
 REM & RE ELCBL FR CON-66'
 ELCBL C SIGNAL 14 5C-32'
 ELCBL C SIGNAL 14 7C-32'
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

EXHH01-EXHH02, 3 " COND.-90'
 4-REM & RE ELCBL FR CON-97' (EACH)
 ELCBL C SIGNAL 14 5C-97'
 ELCBL C SIGNAL 14 7C-97'

EXNE BM-EXHH02, 2 " COND.-14'
 REM & RE ELCBL FR CON-82'
 REM & RE ELCBL FR CON-58'
 ELCBL C SIGNAL 14 5C-30'
 ELCBL C SIGNAL 14 7C-30'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH02-EXHH03, 3 " COND.-81'
 7-REM & RE ELCBL FR CON-88' (EACH)
 ELCBL C SIGNAL 14 5C-88' (EACH)
 ELCBL C SIGNAL 14 7C-88' (EACH)

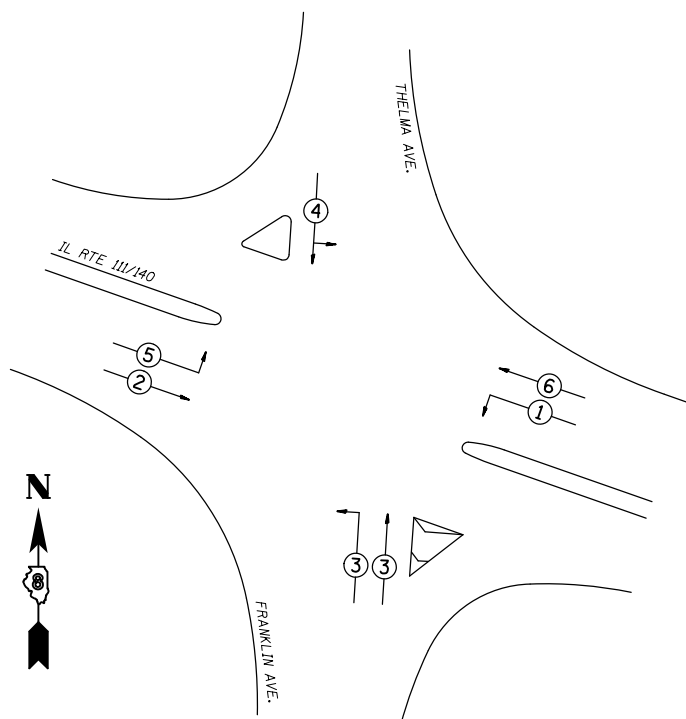
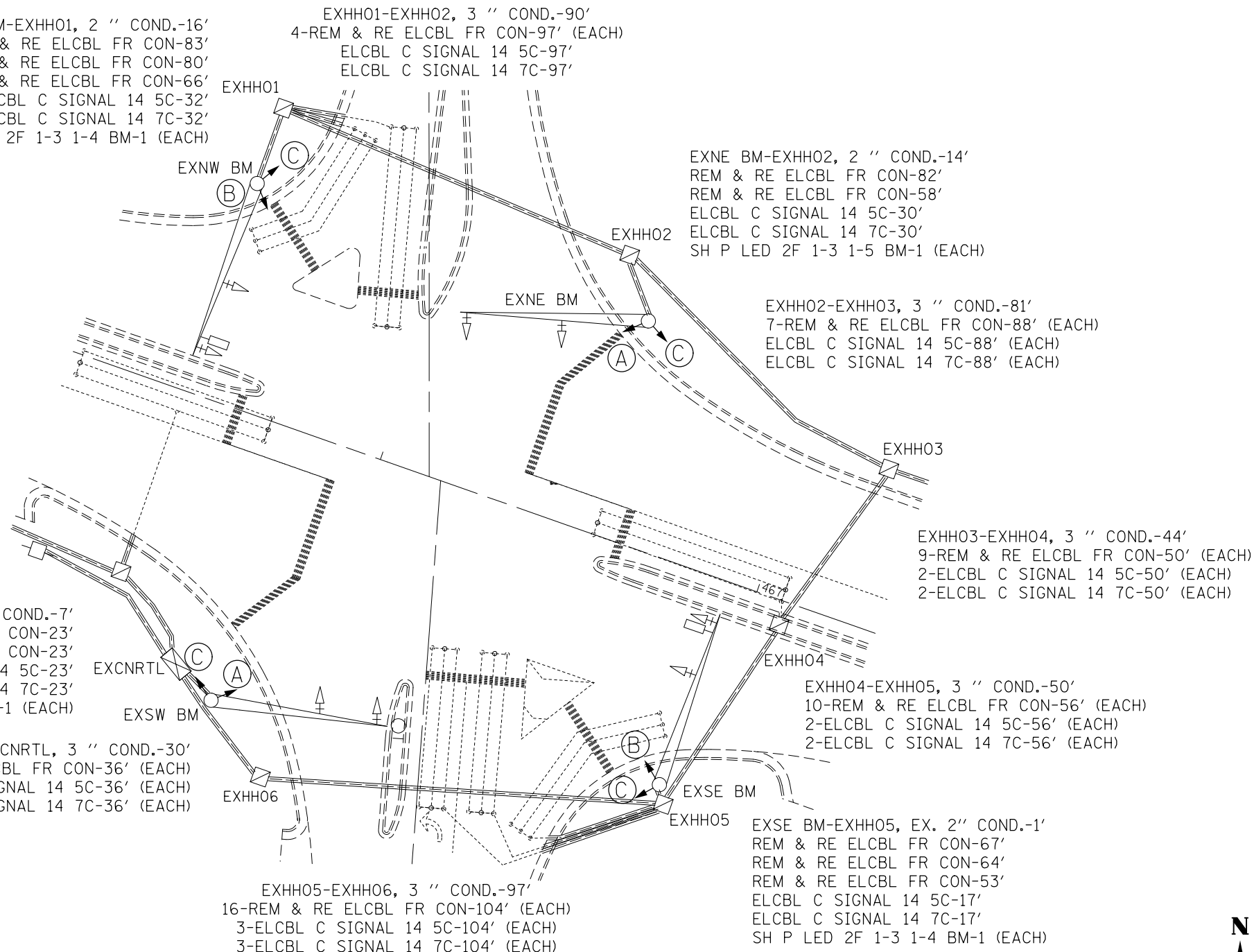
EXHH03-EXHH04, 3 " COND.-44'
 9-REM & RE ELCBL FR CON-50' (EACH)
 2-ELCBL C SIGNAL 14 5C-50' (EACH)
 2-ELCBL C SIGNAL 14 7C-50' (EACH)

EXSW BM-EXCNRTL, 2 " COND.-7'
 REM & RE ELCBL FR CON-23'
 REM & RE ELCBL FR CON-23'
 ELCBL C SIGNAL 14 5C-23'
 ELCBL C SIGNAL 14 7C-23'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH06-EXCNRTL, 3 " COND.-30'
 16-REM & RE ELCBL FR CON-36' (EACH)
 3-ELCBL C SIGNAL 14 5C-36' (EACH)
 3-ELCBL C SIGNAL 14 7C-36' (EACH)

EXHH05-EXHH06, 3 " COND.-97'
 16-REM & RE ELCBL FR CON-104' (EACH)
 3-ELCBL C SIGNAL 14 5C-104' (EACH)
 3-ELCBL C SIGNAL 14 7C-104' (EACH)

EXSE BM-EXHH05, EX. 2" COND.-1'
 REM & RE ELCBL FR CON-67'
 REM & RE ELCBL FR CON-64'
 REM & RE ELCBL FR CON-53'
 ELCBL C SIGNAL 14 5C-17'
 ELCBL C SIGNAL 14 7C-17'
 SH P LED 2F 1-3 1-4 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



***MADISON & ST. CLAIR

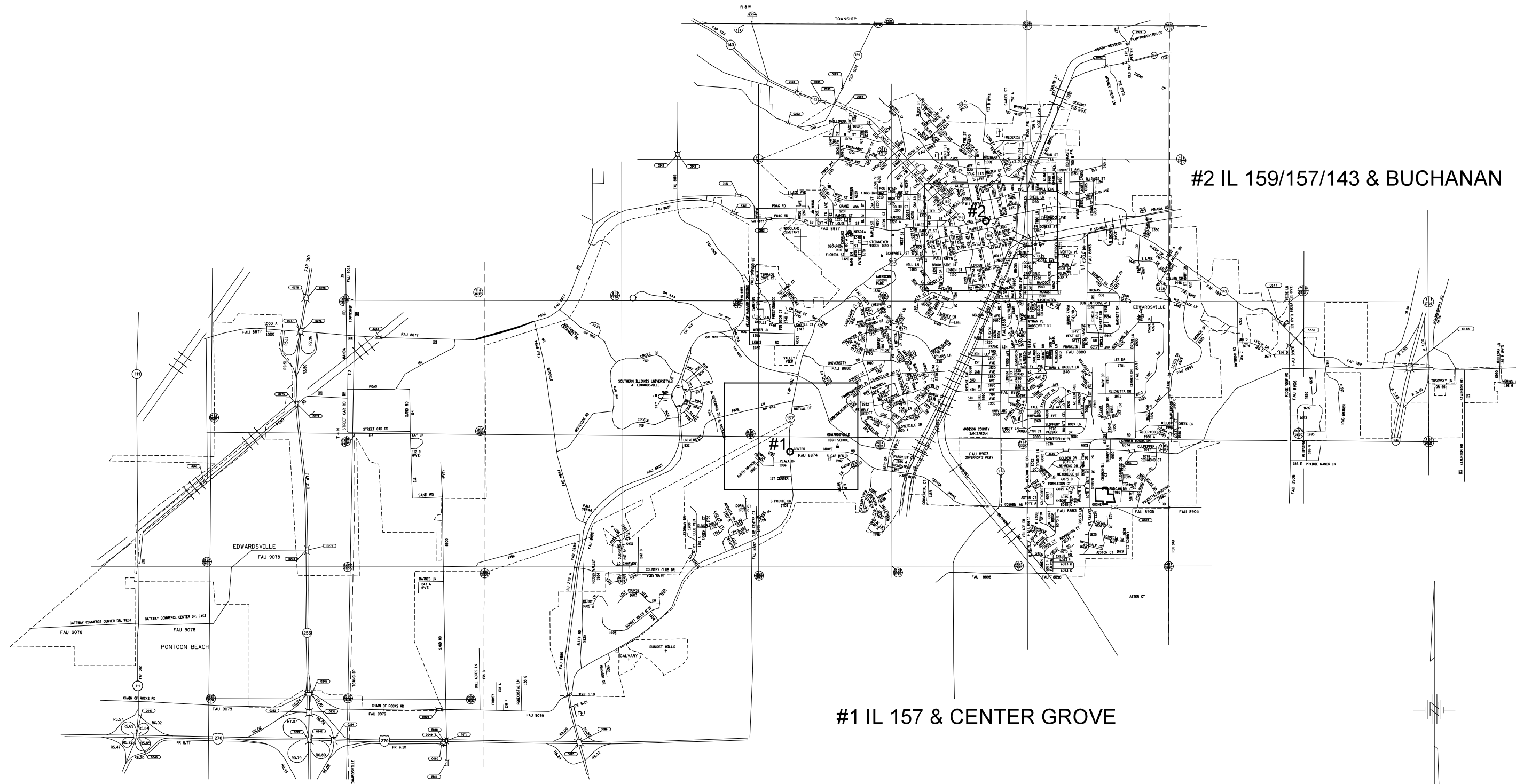
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		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 111/140 & FRANKLIN (COTTAGE HILLS, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	35
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



#2 IL 159/157/143 & BUCHANAN

#1 IL 157 & CENTER GROVE

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	PLOT SCALE = 33.3333' / in.	DATE -	REVISED -
	PLOT DATE = 10/21/2016		

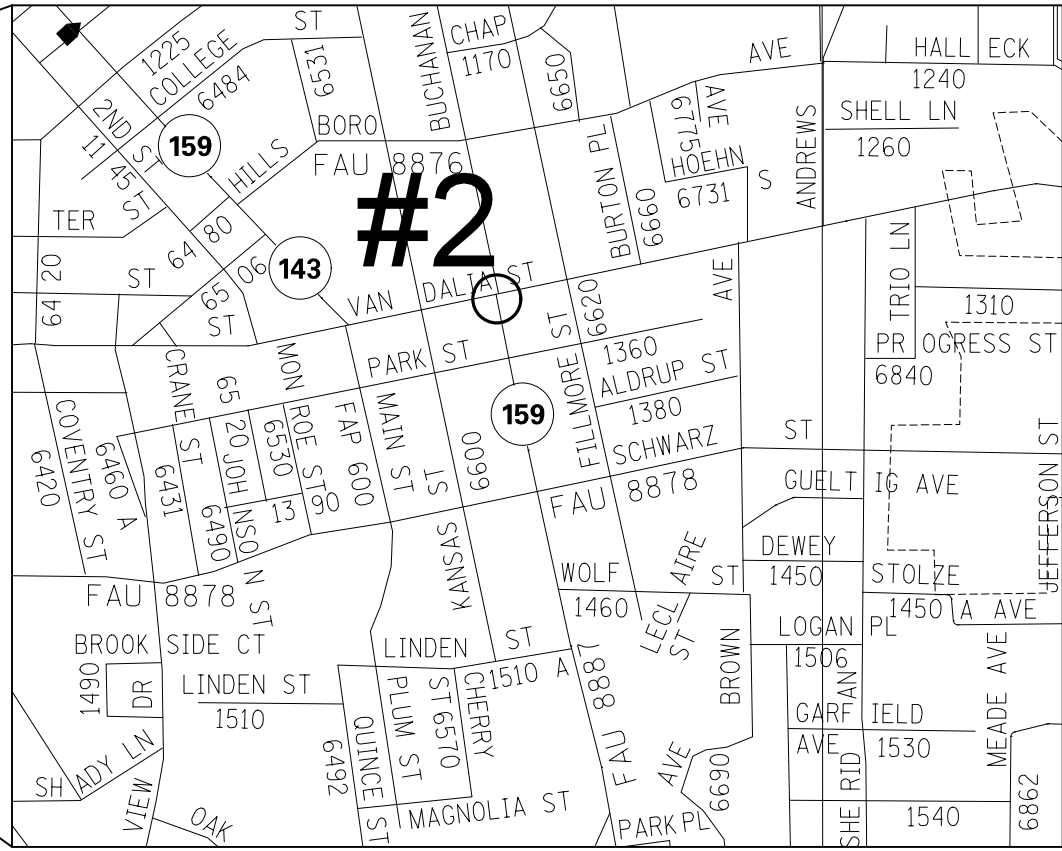
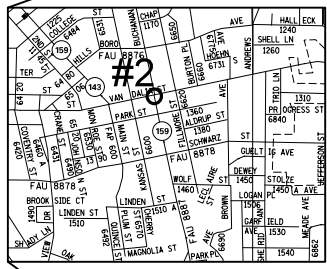
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
EDWARDSVILLE, MADISON CNTY.
1 OF 2**

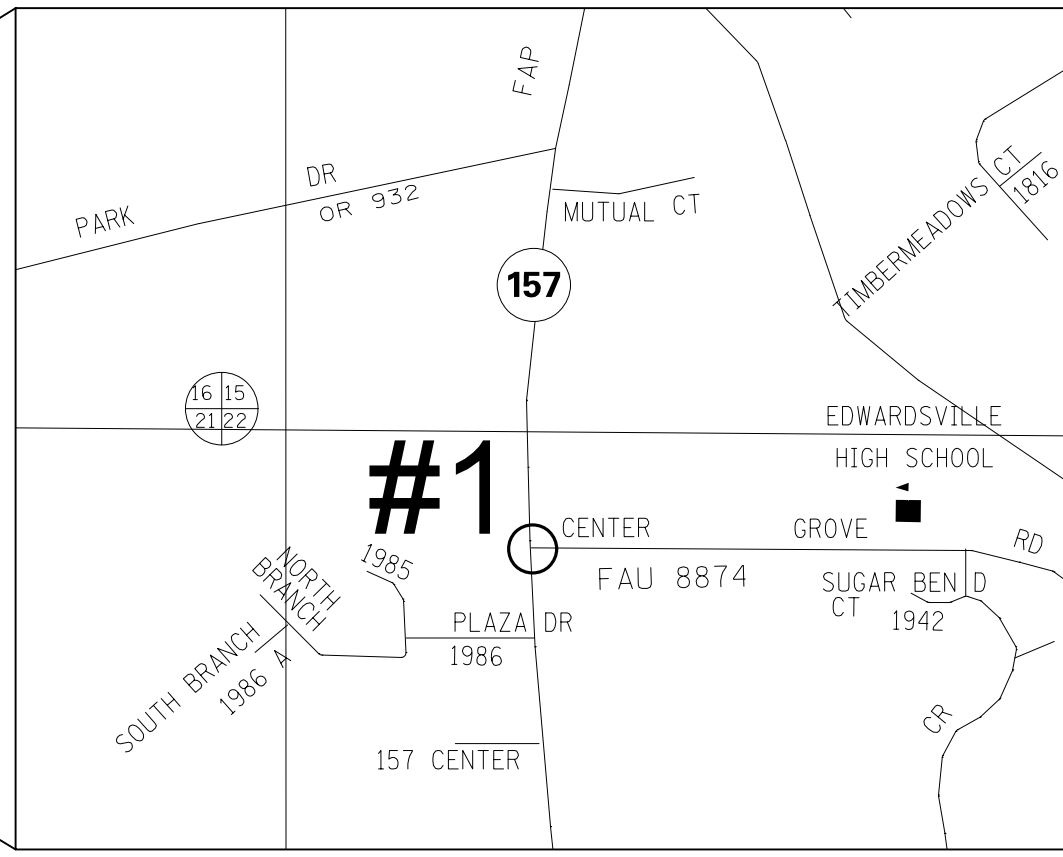
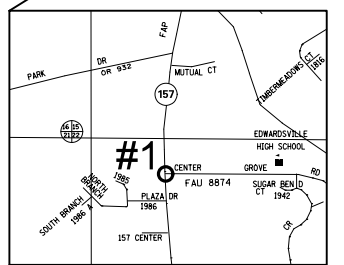
SCALE: SHEET NO. OF SHEETS STA. TO STA.

**=MADISON & ST. CLAIR

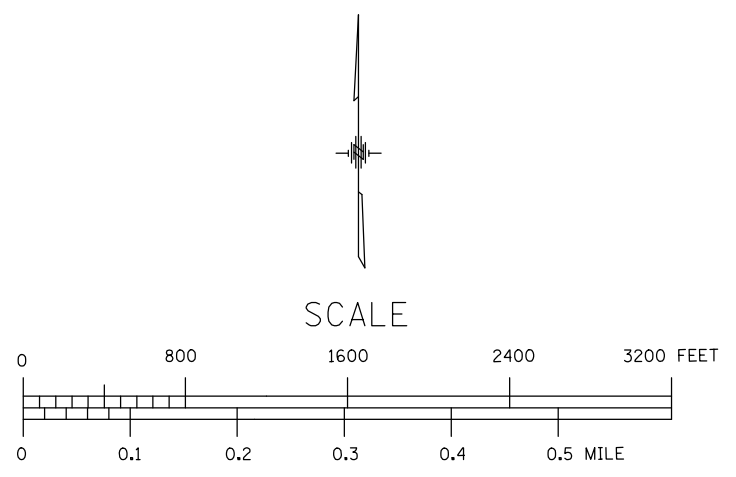
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•	DIST 8 TS 2017-1	**	136	37
•=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



#2 IL 159/157/143 & BUCHANAN



#1 IL 157 & CENTER GROVE



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

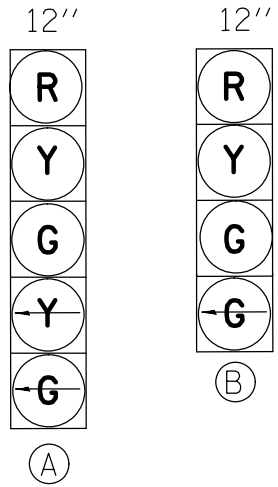
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP			
EDWARDSVILLE, MADISON CNTY.			
2 OF 2			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	38
•=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

***MADISON & ST. CLAIR

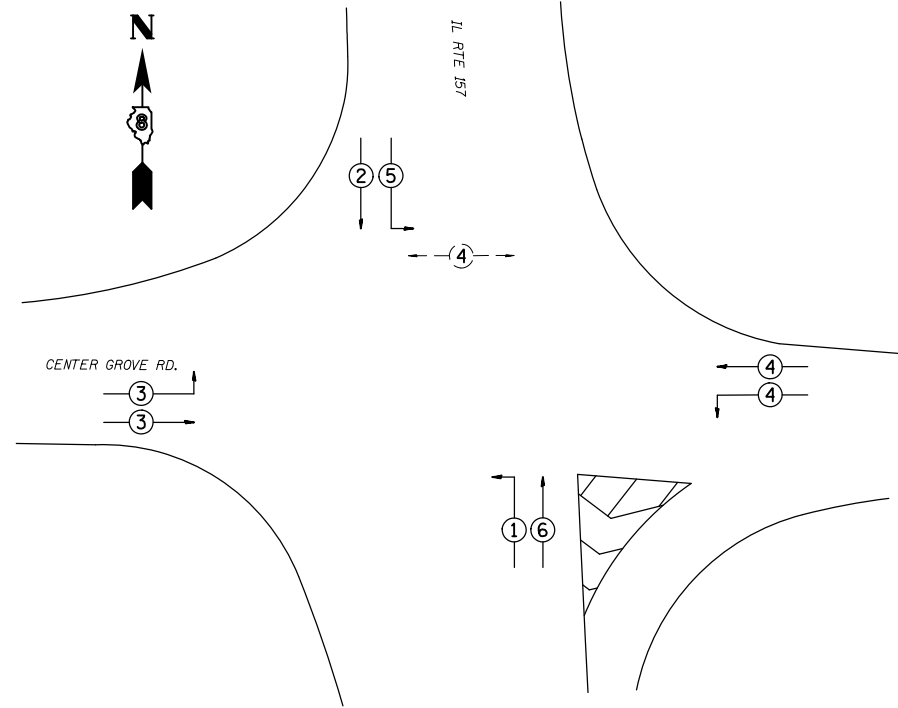
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



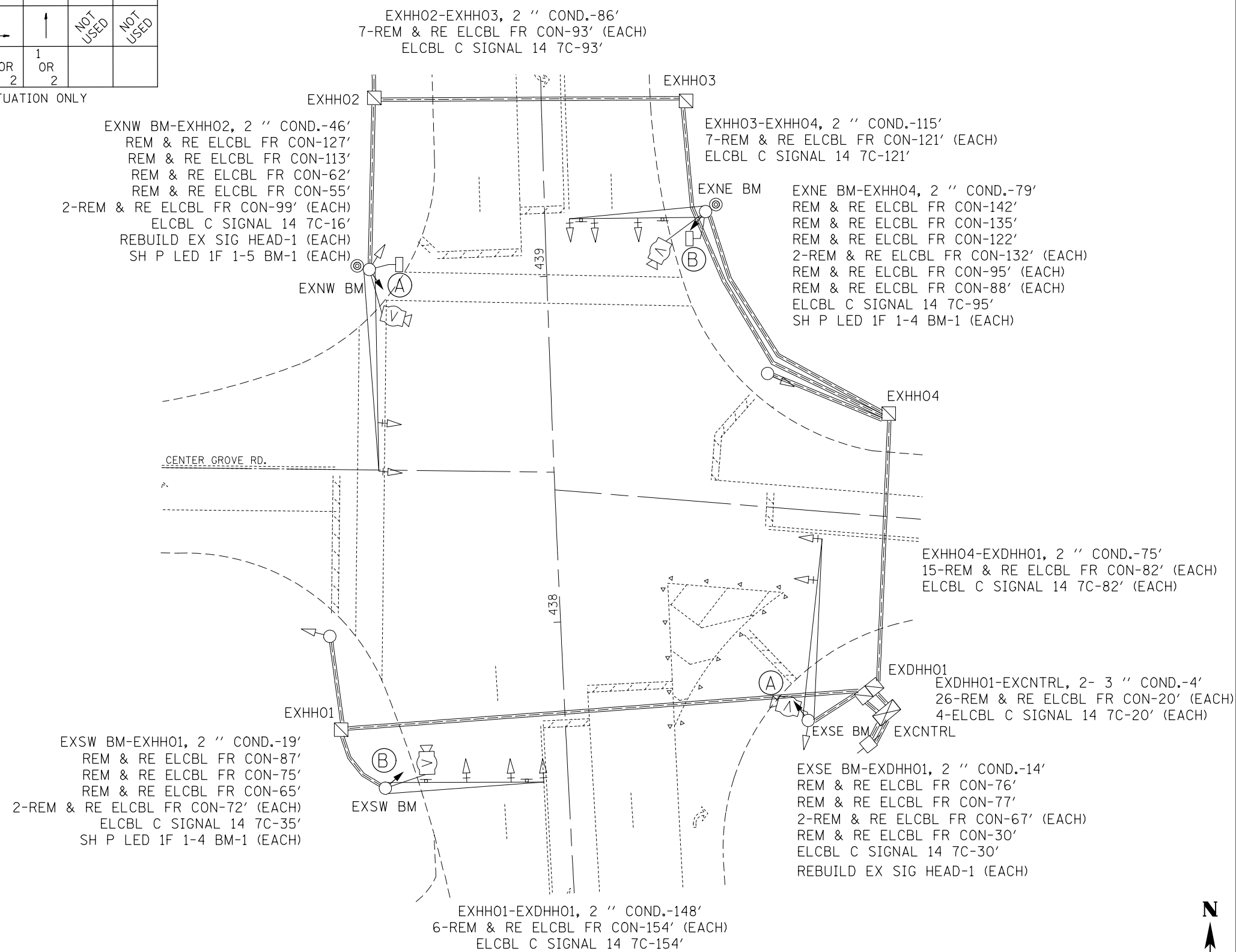
PROPOSED TRAFFIC SIGNAL FACES

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		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

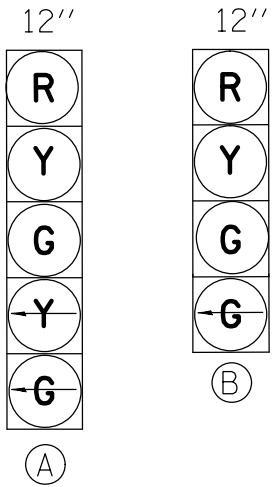


PHASE DESIGNATION DIAGRAM



***MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

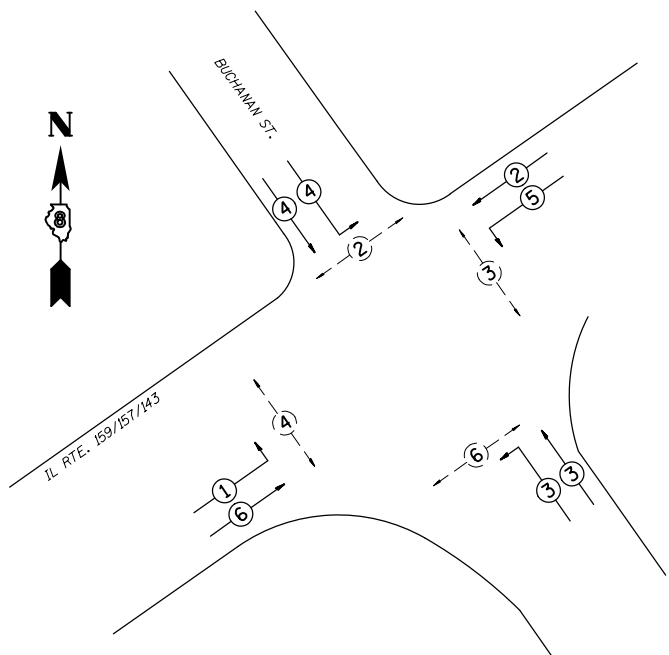
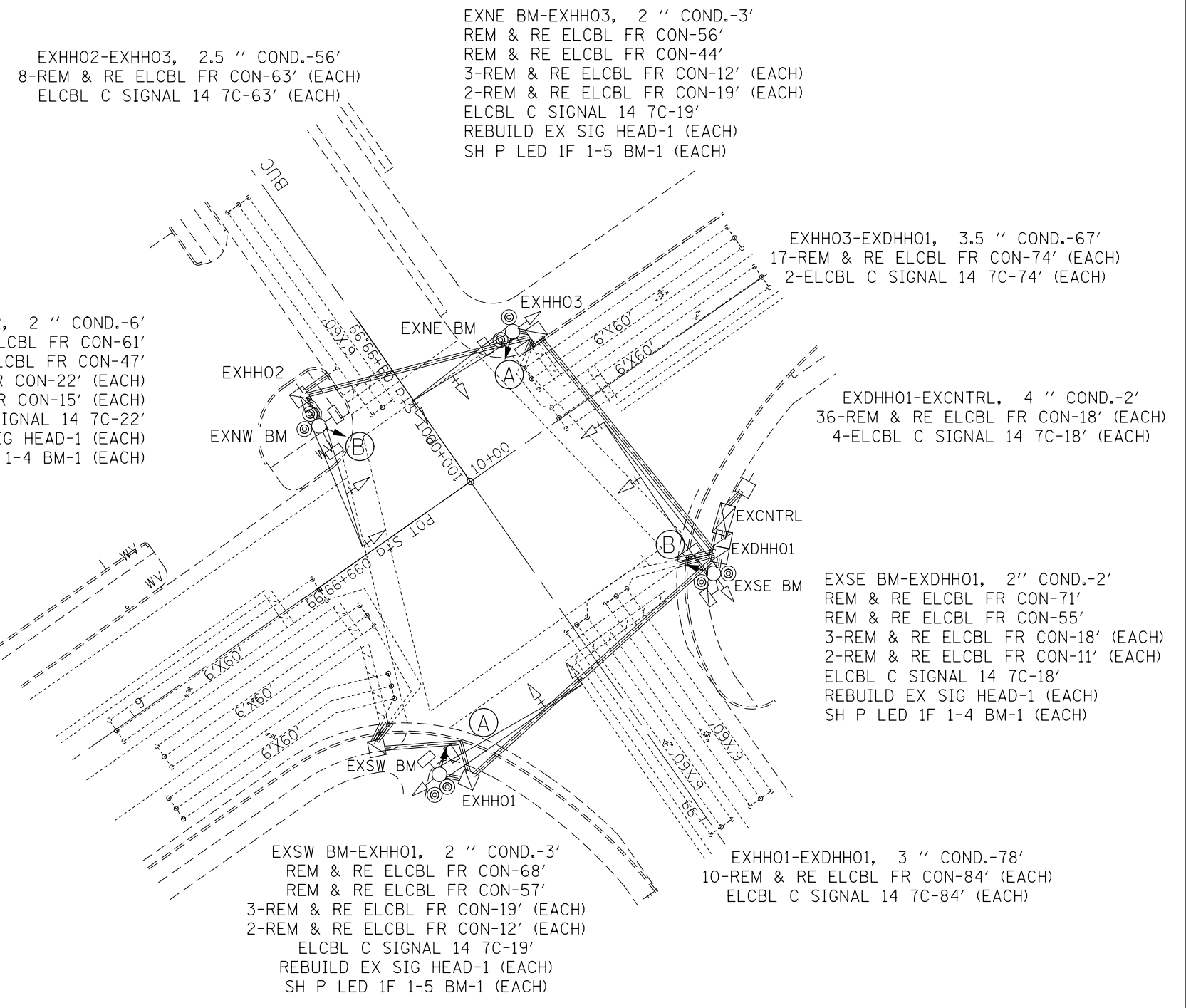


PROPOSED TRAFFIC SIGNAL FACES

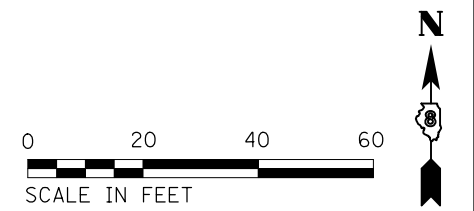
EXISTING FULL-ACTUATED CONTROLLER

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		



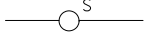

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

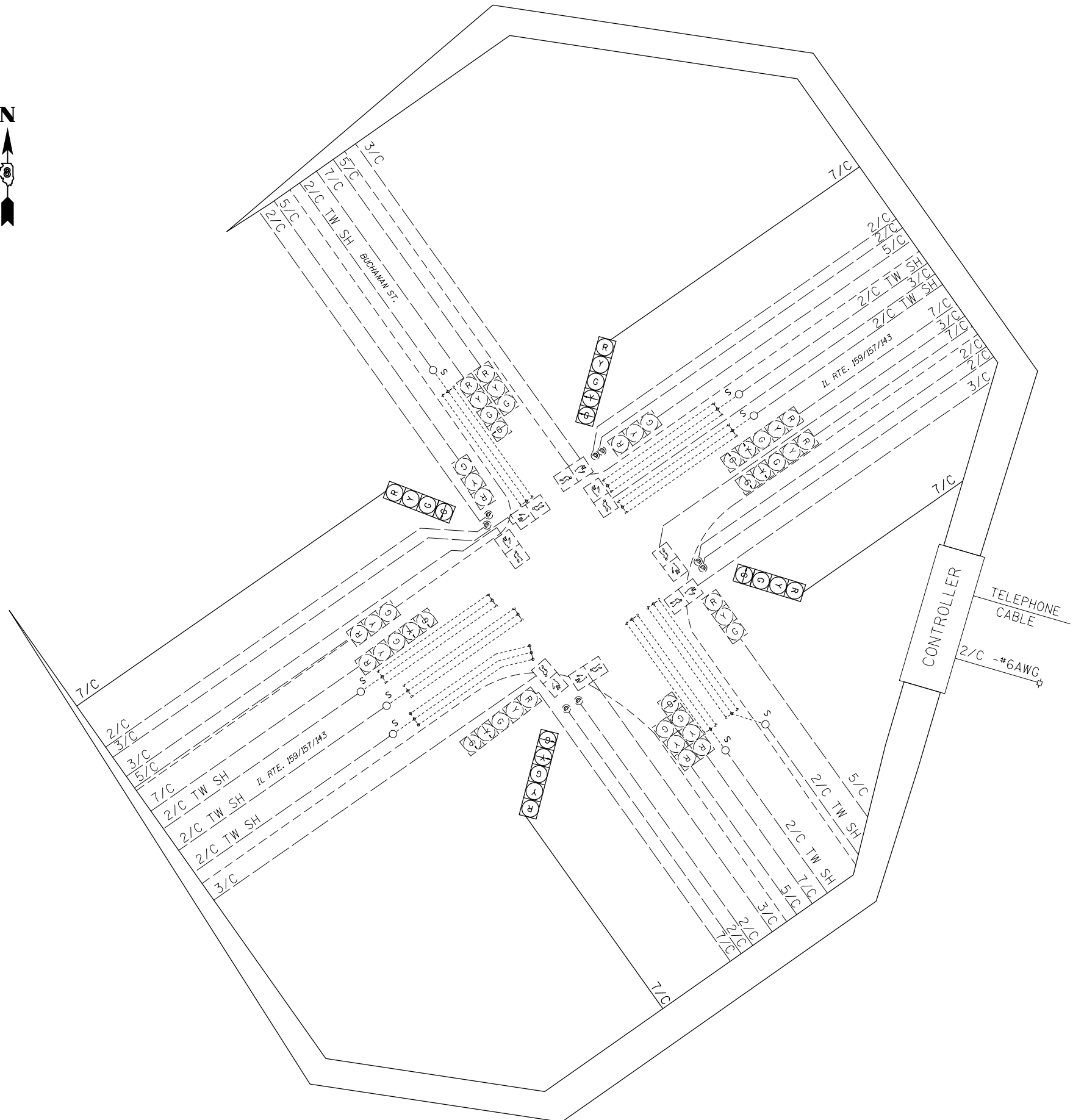


PHASE DESIGNATION DIAGRAM



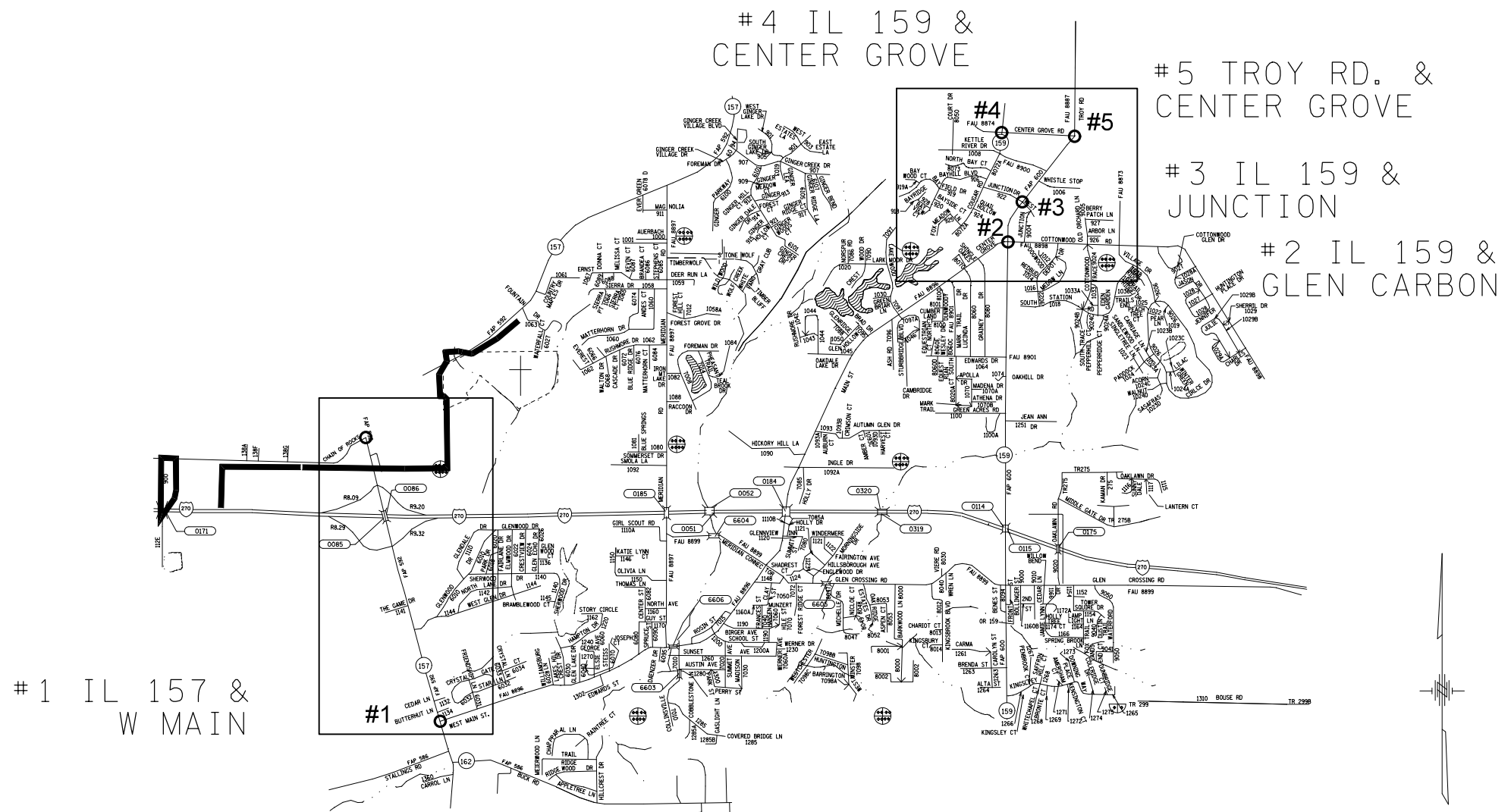
CABLE DIAGRAM LEGEND

-  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.
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	423
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	3827

***MADISON & ST. CLAIR



#4 IL 159 &
CENTER GROVE

#5 TROY RD. &
CENTER GROVE

#3 IL 159 &
JUNCTION

#2 IL 159 &
GLEN CARBON

#1 IL 157 &
W MAIN

#1

#4

#5

#3

#2

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
GLEN CARBON, MADISON CNTY.
1 OF 3**

**-MADISON & ST. CLAIR

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		DATE -	REVISED -

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	43
•=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

#4 IL 159 & CENTER GROVE

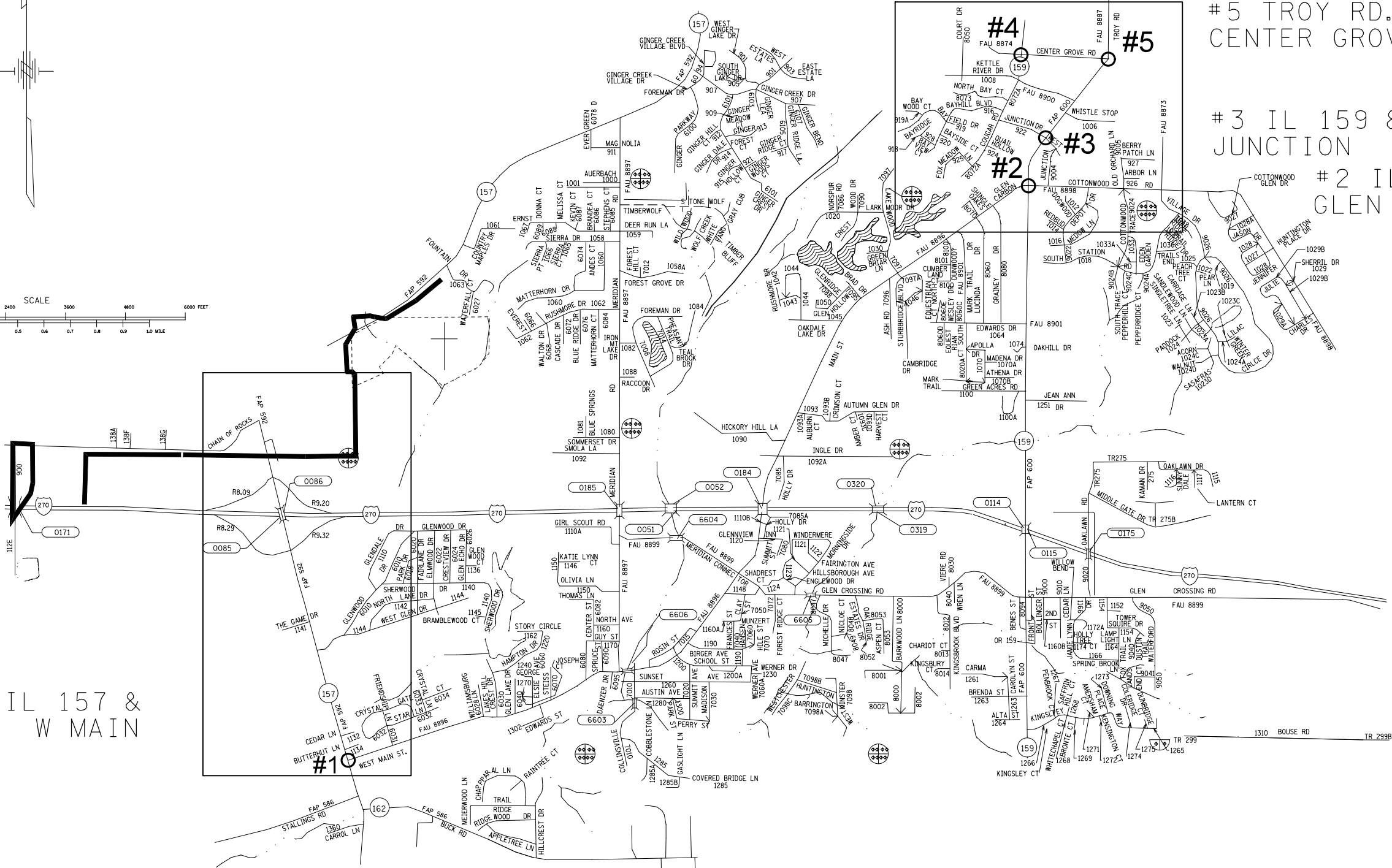
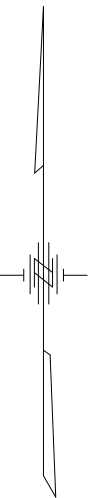
#5 TROY RD. & CENTER GROVE

#3 IL 159 & JUNCTION

#2 IL 159 & GLEN CARBON

#1 IL 157 & W MAIN

#10



***MADISON & ST. CLAIR

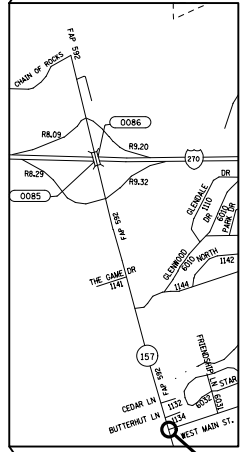
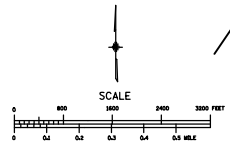
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

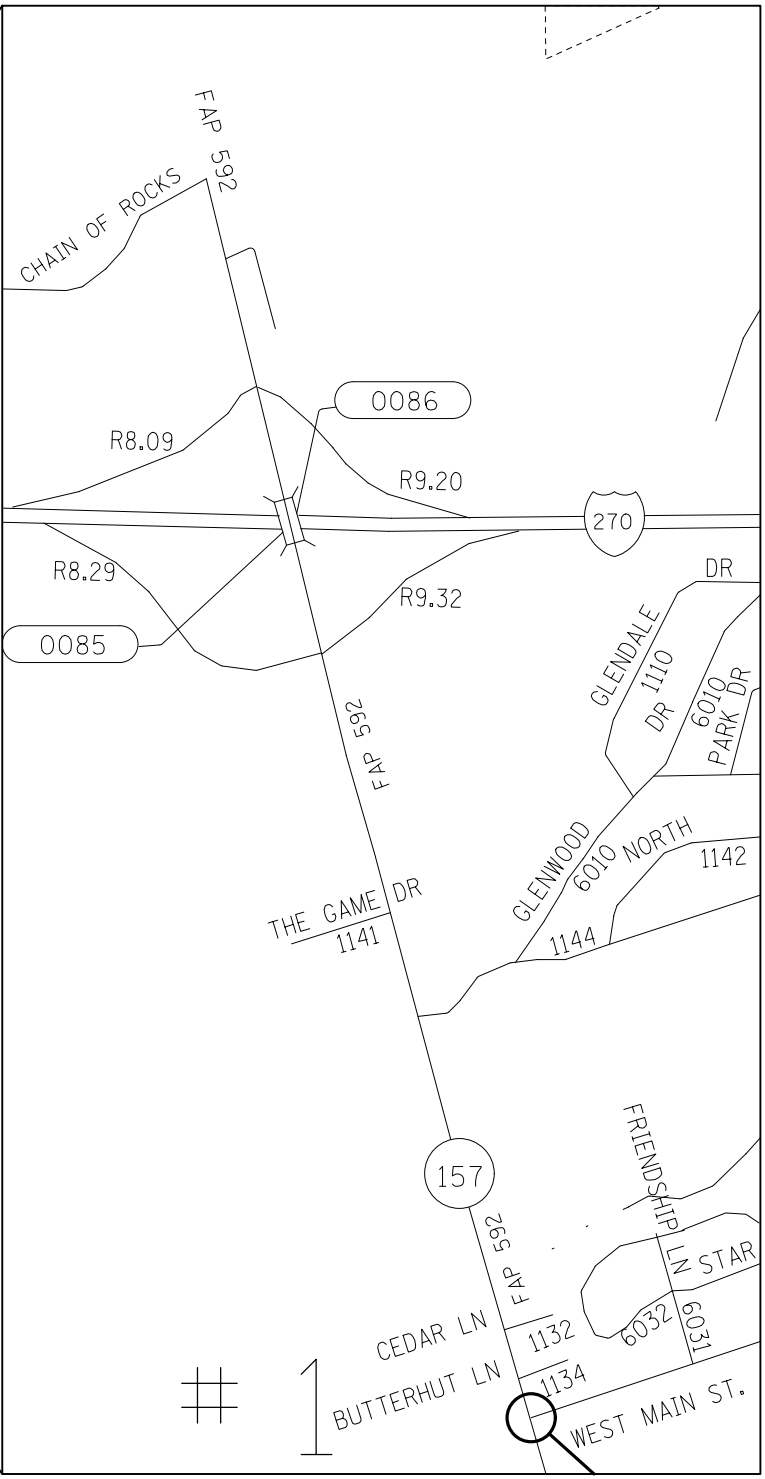
LOCATION MAP
GLEN CARBON, MADISON CNTY.
2 OF 3

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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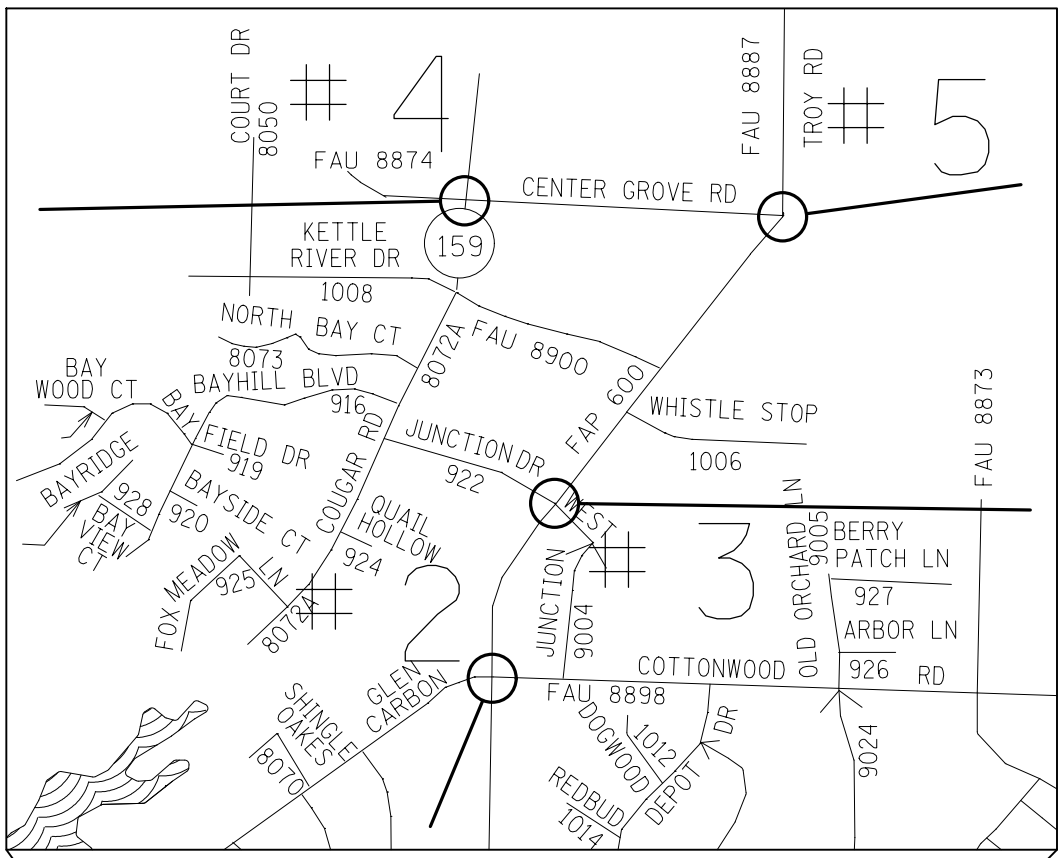
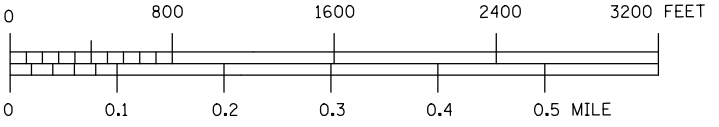
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	44
•=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



1 IL 157 & W MAIN



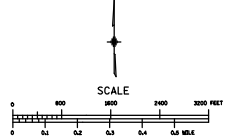
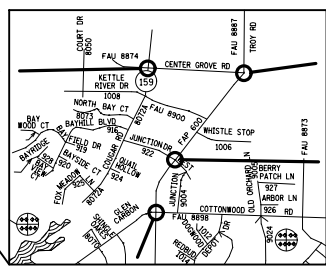
SCALE



4 IL 159 & CENTER GROVE

2 IL 159 & GLEN CARBON

5 TROY RD. & CENTER GROVE
3 IL 159 & JUNCTION



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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

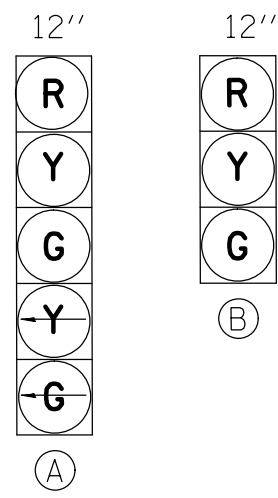
LOCATION MAP
GLEN CARBON, MADISON CNTY.
3 OF 3

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2017-1	**	136	45
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**=MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

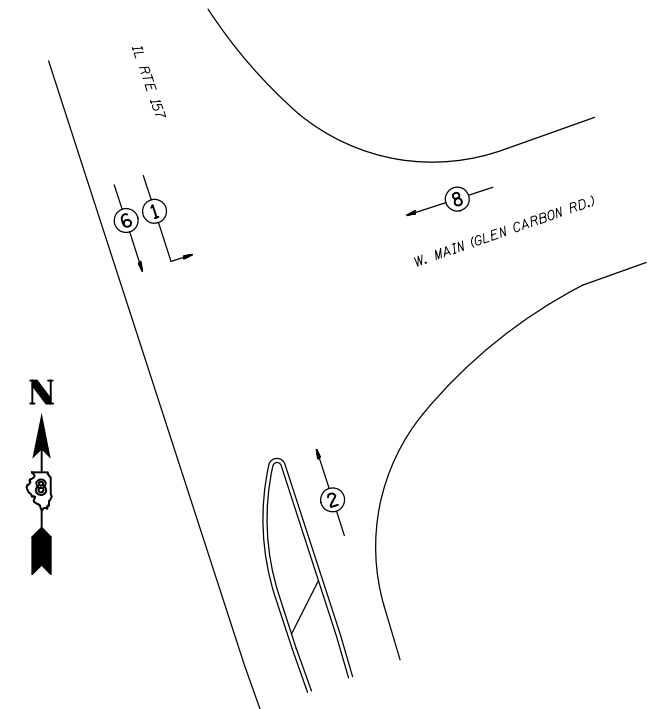


EXISTING FULL-ACTUATED CONTROLLER

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	6	6				1 OR 2		NONE

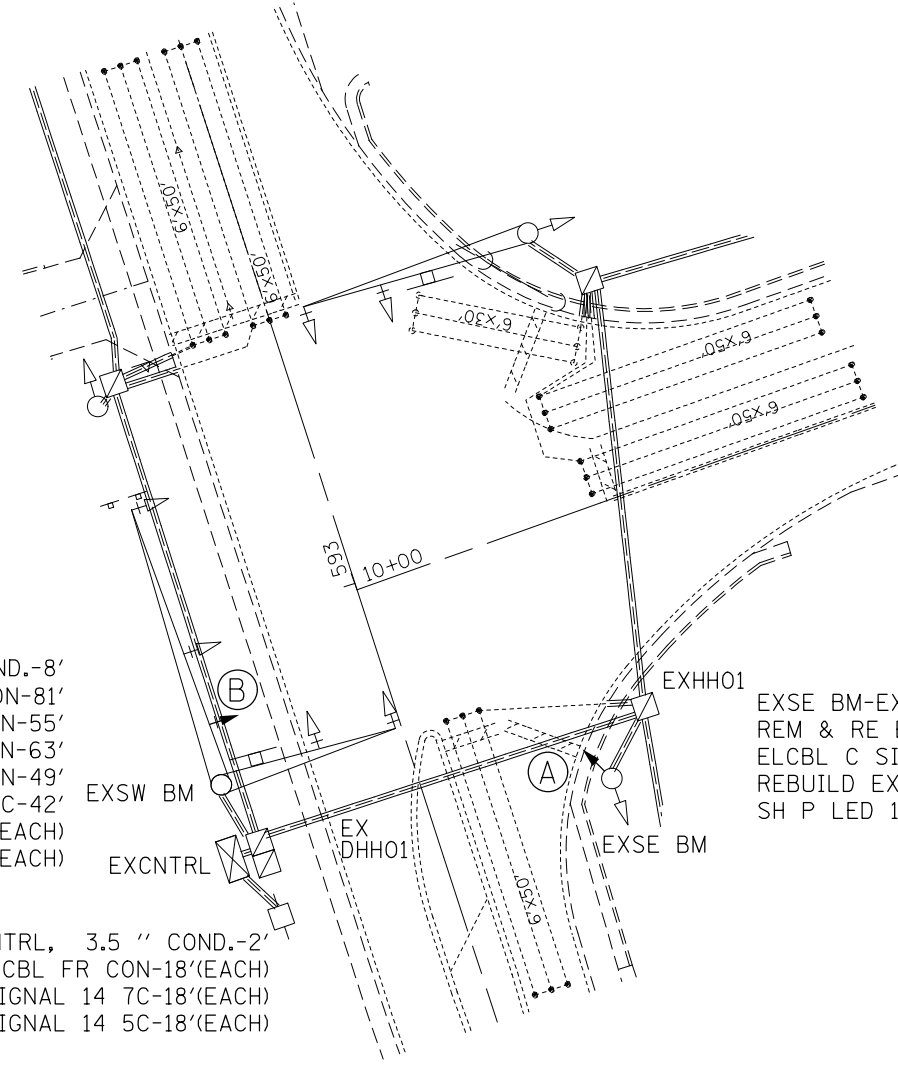
* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

- EXSW BM-EXDHH01, 2 " COND.-8'
 REM & RE ELCBL FR CON-81'
 REM & RE ELCBL FR CON-55'
 REM & RE ELCBL FR CON-63'
 REM & RE ELCBL FR CON-49'
 ELCBL C SIGNAL 14 5C-42'
 SH P LED 1F 3S MAM-1 (EACH)
 TS BACKPLATE RET-REFL-1 (EACH)
- EXDHH01-EXCCTRL, 3.5 " COND.-2'
 19-REM & RE ELCBL FR CON-18'(EACH)
 ELCBL C SIGNAL 14 7C-18'(EACH)
 ELCBL C SIGNAL 14 5C-18'(EACH)
- EXHH01-EXDHH01, 2.5 " COND.-68'
 11-REM & RE ELCBL FR CON-74'
 ELCBL C SIGNAL 14 7C-74'
- EXSE BM-EXHH01, 2 " COND.-10'
 REM & RE ELCBL FR CON-16'
 ELCBL C SIGNAL 14 7C-16'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-5 BM-1 (EACH)



***MADISON & ST. CLAIR

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	PLOT DATE = 10/21/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

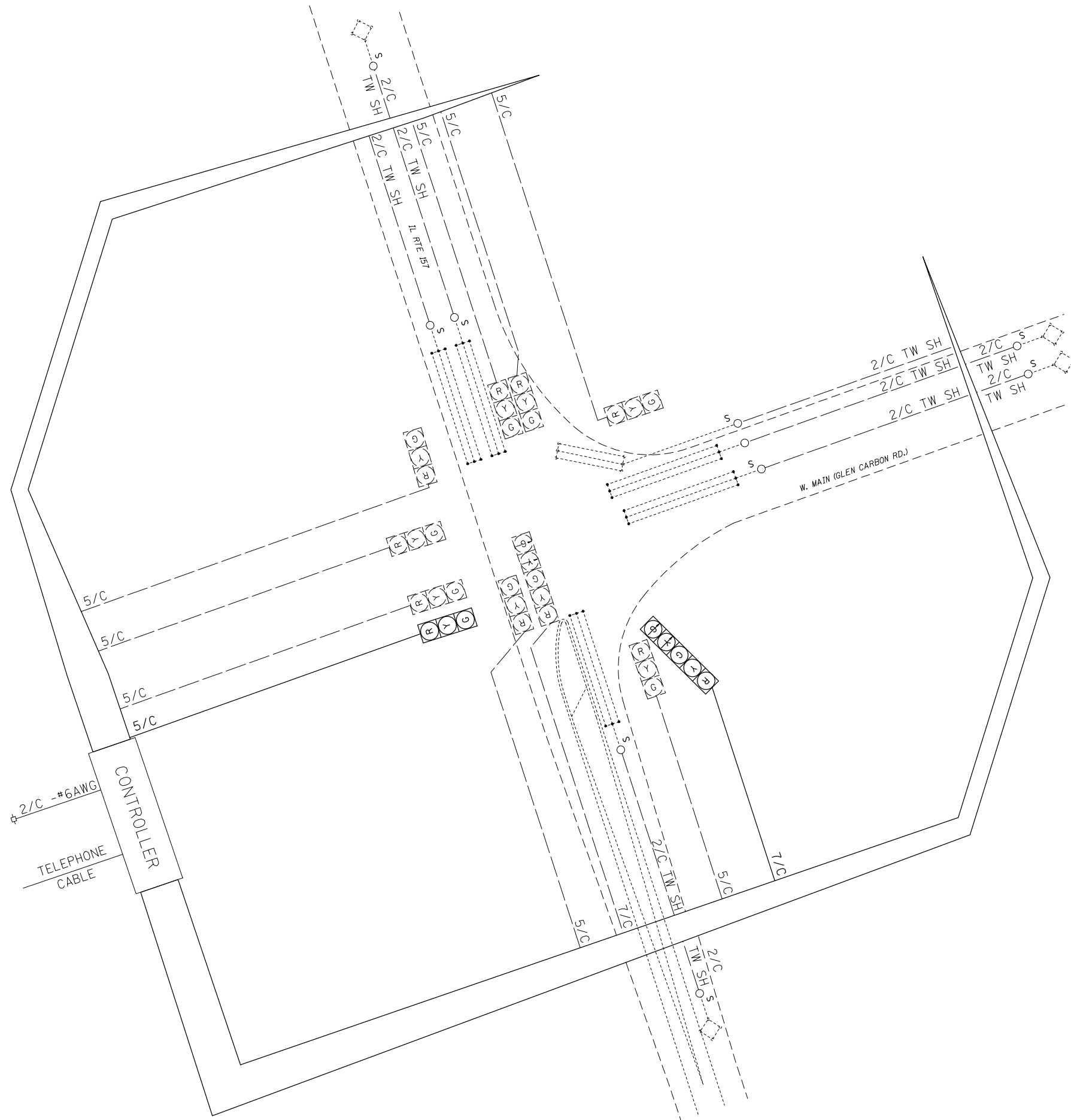
IL 157 & W MAIN (GLEN CARBON, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	46
**=VARIOUS			CONTRACT NO. 76J22	
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	60
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	108
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	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	1415

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/21/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

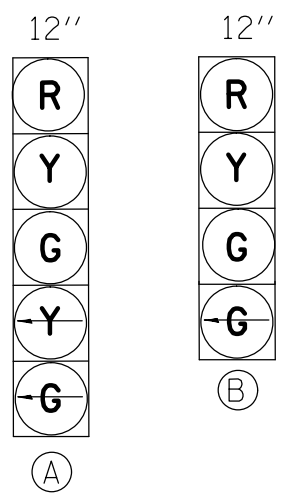
**IL 157 & W MAIN (GLEN CARBON, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•		DIST 8 TS 2017-1	••	136	47
••=VARIOUS				CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

***MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

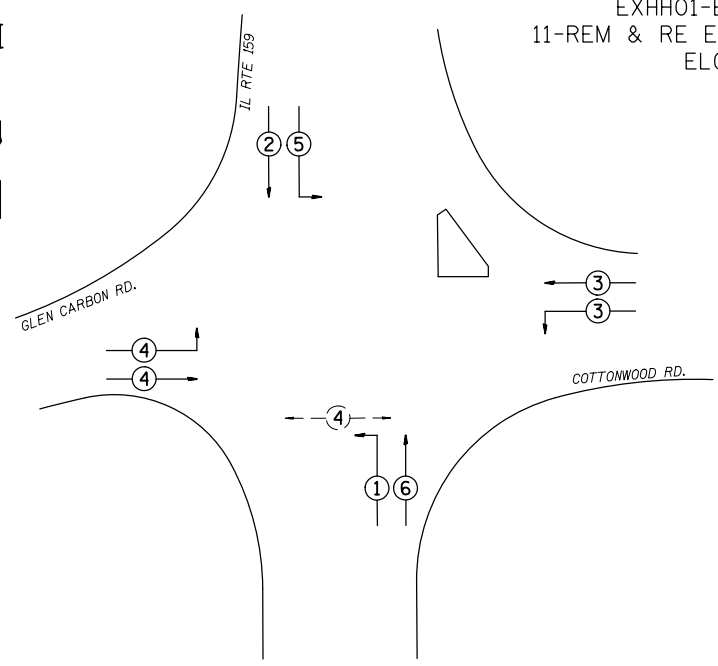


PROPOSED TRAFFIC SIGNAL FACES

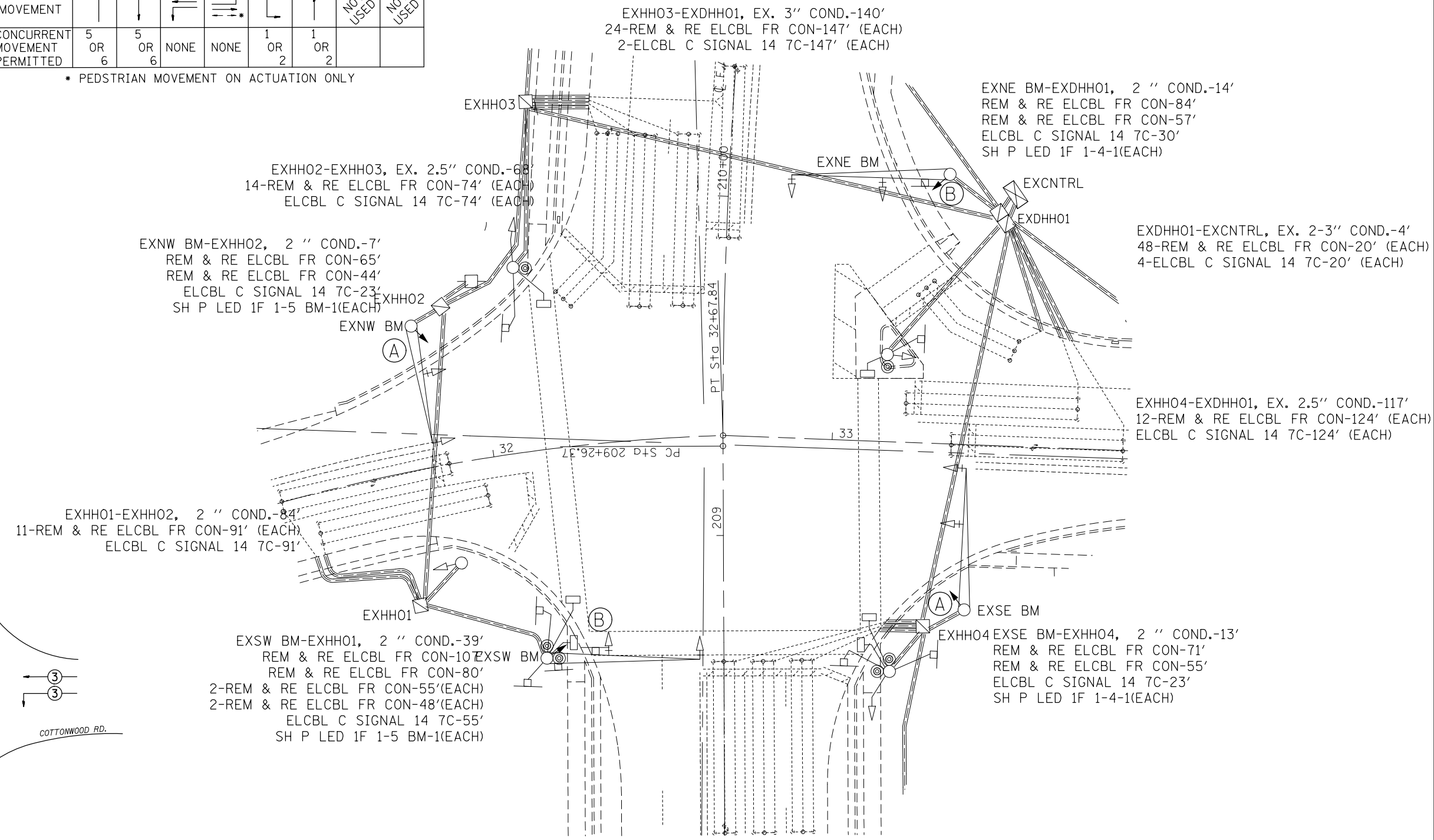
EXISTING FULL-ACTUATED CONTROLLER

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		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 10/21/2016	DATE -	REVISED -


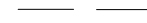
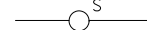

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

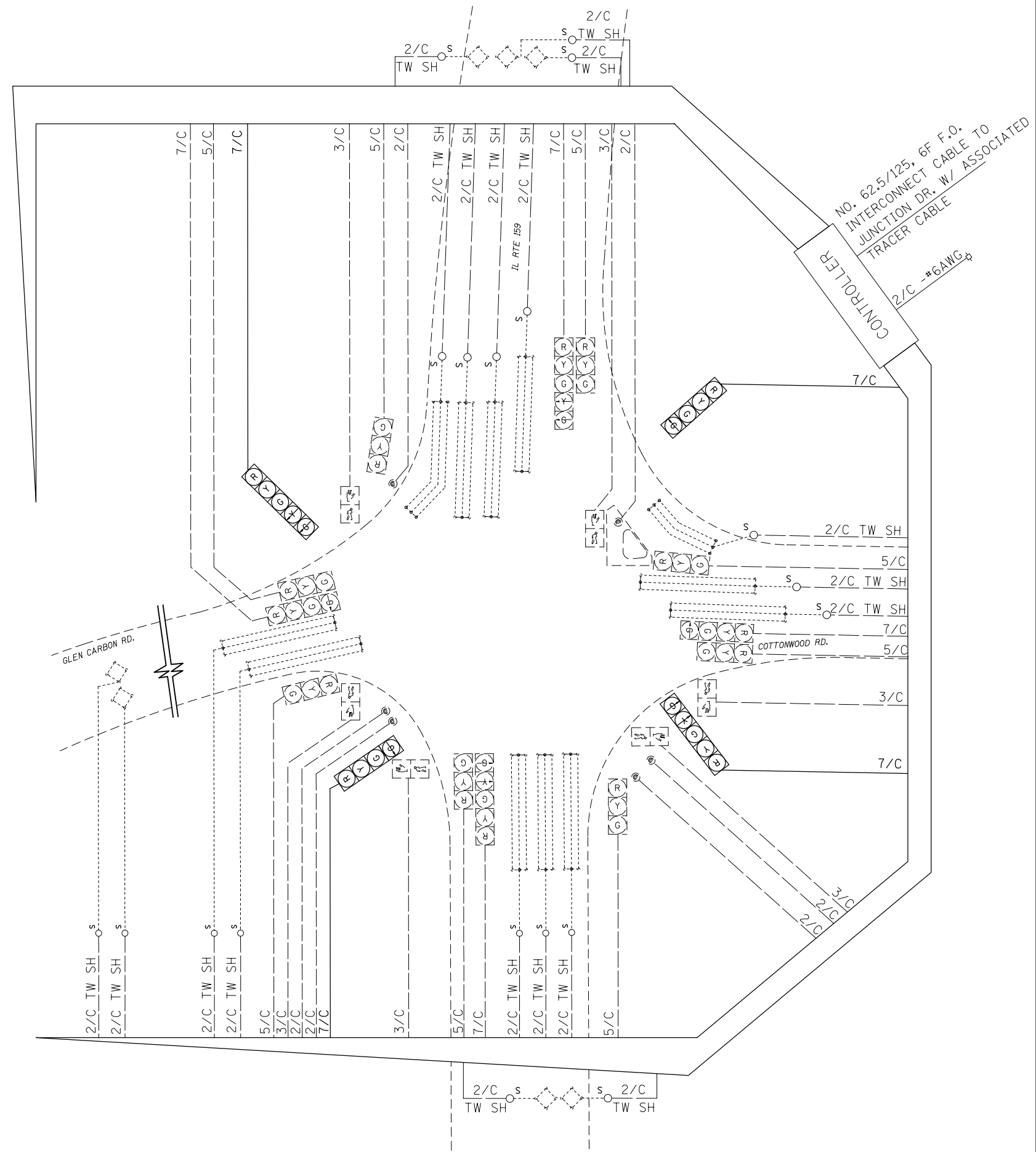
IL 159 & GLEN CARBON (GLEN CARBON, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8	DIST 8 TS 2017-1	**	136	48
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**=MADISON & ST. CLAIR

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
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	792
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	8665

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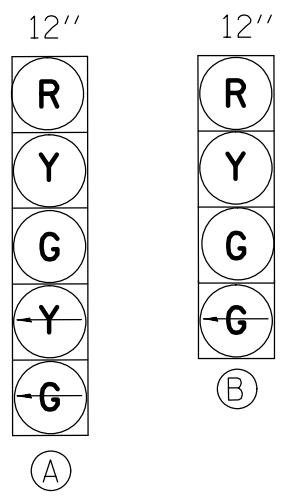
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

***MADISON & ST. CLAIR		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		•	DIST 8 TS 2017-1	**	136	49
		**=VARIOUS		CONTRACT NO. 76J22		
		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

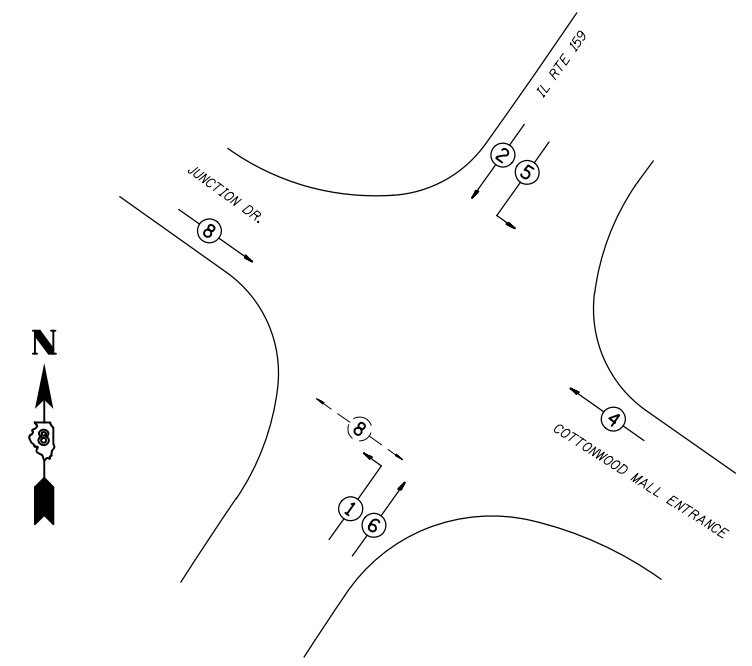


PROPOSED TRAFFIC SIGNAL FACES

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

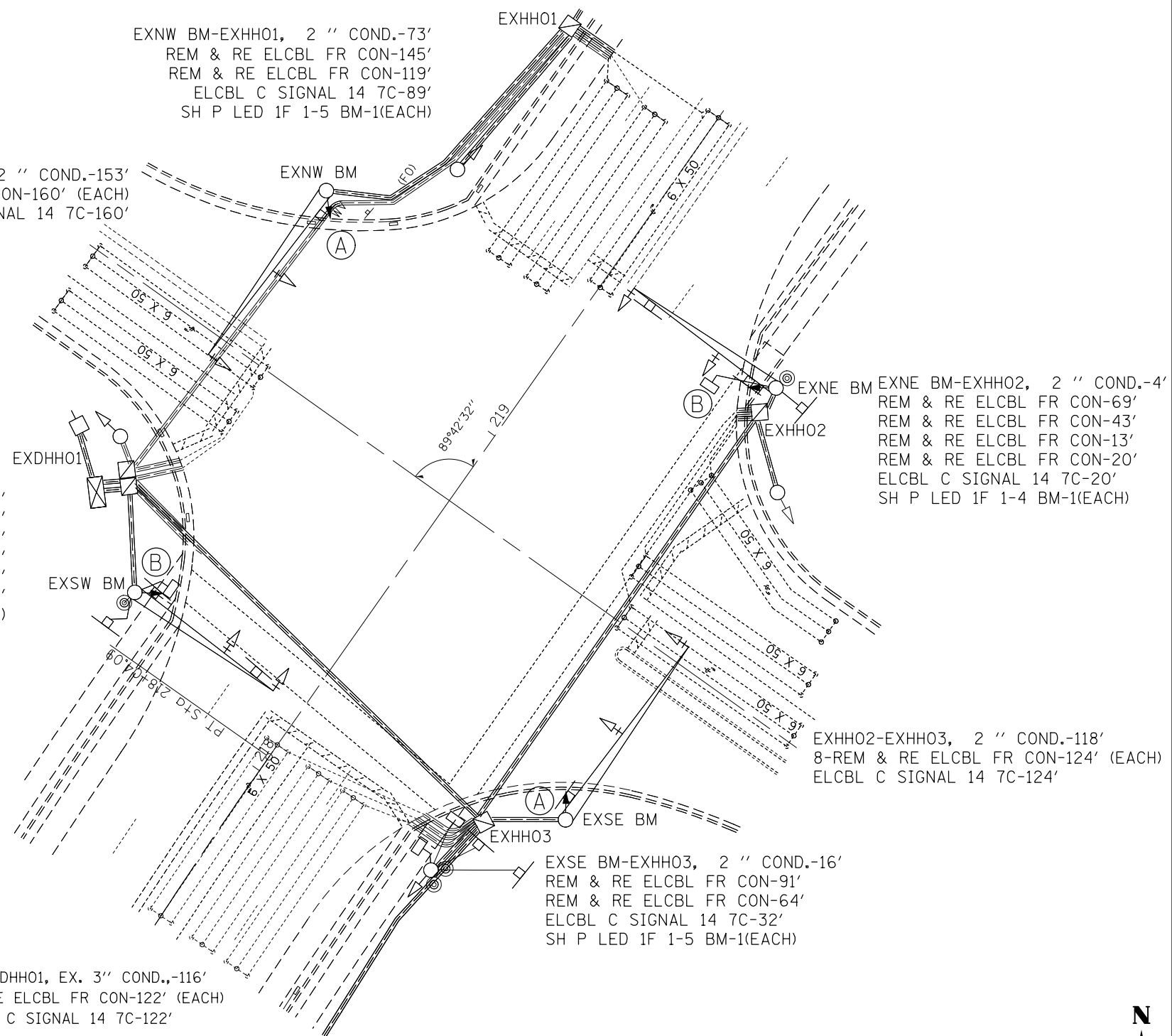


PHASE DESIGNATION DIAGRAM

EXDHH01-EXCNTRL, EX. 2-3" COND.,-4'
37-REM & RE ELCBL FR CON-20' (EACH)
4-ELCBL C SIGNAL 14 7C-20' (EACH)

EXSW BM-EXDHH01, 2" COND.-22'
REM & RE ELCBL FR CON-87'
REM & RE ELCBL FR CON-72'
REM & RE ELCBL FR CON-38'
REM & RE ELCBL FR CON-31'
ELCBL C SIGNAL 14 7C-38'
SH P LED 1F 1-4 BM-1(EACH)

EXHH01-EXDHH01, 2" COND.-153'
10-REM & RE ELCBL FR CON-160' (EACH)
ELCBL C SIGNAL 14 7C-160'



EXHH03-EXDHH01, EX. 3" COND.,-116'
22-REM & RE ELCBL FR CON-122' (EACH)
ELCBL C SIGNAL 14 7C-122'

EXNW BM-EXHH01, 2" COND.-73'
REM & RE ELCBL FR CON-145'
REM & RE ELCBL FR CON-119'
ELCBL C SIGNAL 14 7C-89'
SH P LED 1F 1-5 BM-1(EACH)

EXNE BM-EXHH02, 2" COND.-4'
REM & RE ELCBL FR CON-69'
REM & RE ELCBL FR CON-43'
REM & RE ELCBL FR CON-13'
REM & RE ELCBL FR CON-20'
ELCBL C SIGNAL 14 7C-20'
SH P LED 1F 1-4 BM-1(EACH)


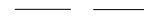
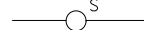

EXSE BM-EXHH03, 2" COND.-16'
REM & RE ELCBL FR CON-91'
REM & RE ELCBL FR CON-64'
ELCBL C SIGNAL 14 7C-32'
SH P LED 1F 1-5 BM-1(EACH)

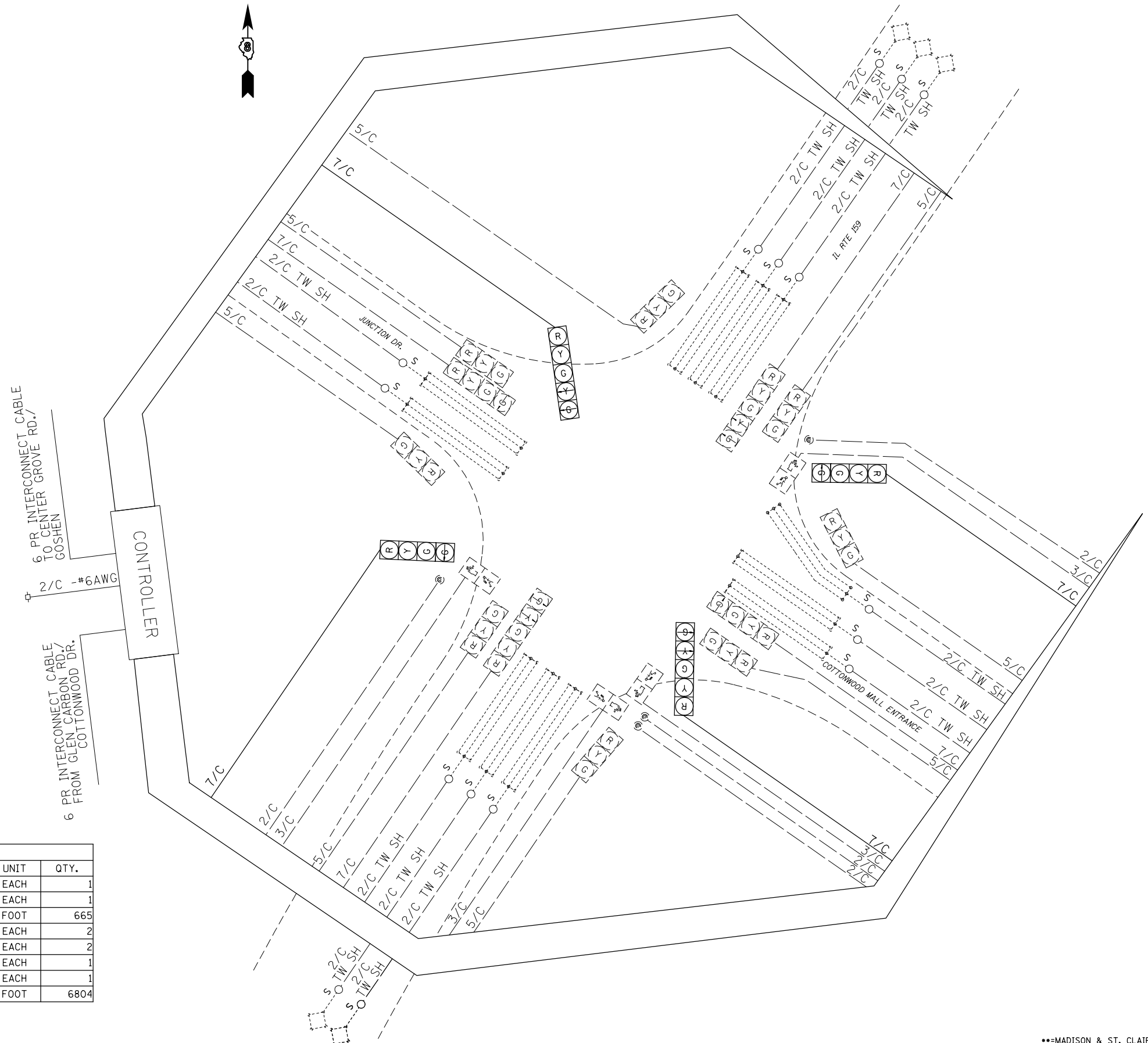
EXHH02-EXHH03, 2" COND.-118'
8-REM & RE ELCBL FR CON-124' (EACH)
ELCBL C SIGNAL 14 7C-124'



**-MADISON & ST. CLAIR

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
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	665
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	6804

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

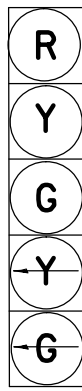
**IL 159 & JUNCTION DR (GLEN CARBON, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	••	136	51
•=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

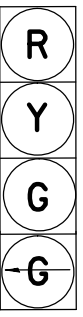
***MADISON & ST. CLAIR

12"



(A)

12"



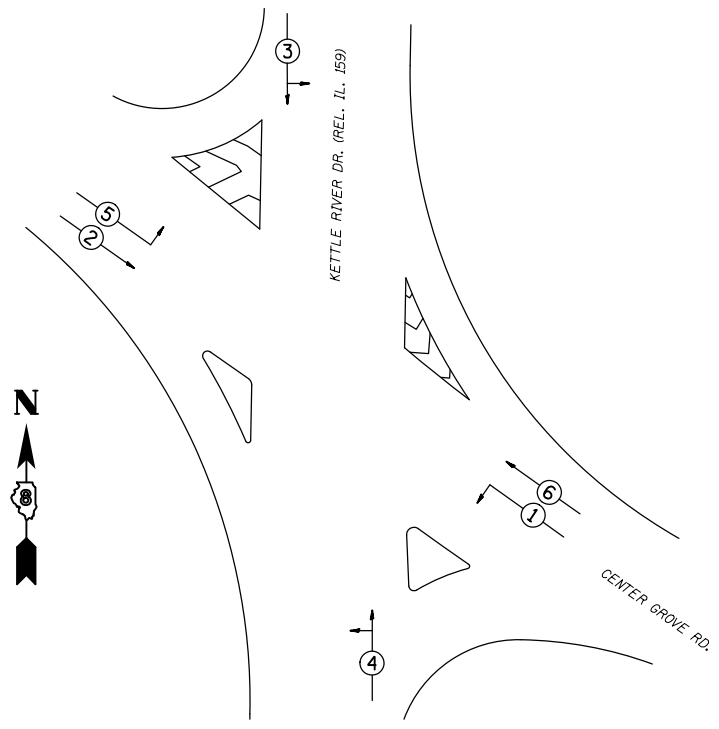
(B)

PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

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



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH03, 2" COND.-28'
 REM & RE ELCBL FR CON-99'
 REM & RE ELCBL FR CON-77'
 REM & RE ELCBL FR CON-44'
 ELCBL C SIGNAL 14 7C-44'
 SH P LED 1F 1-4 BM-1(EACH)

EXHH03-EXHH04, 3" COND.-81'
 21-REM & RE ELCBL FR CON-87' (EACH)
 2-ELCBL C SIGNAL 14 7C-87'

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXHH02-EXHH03, 3" COND.-125'
 11-REM & RE ELCBL FR CON-131' (EACH)
 ELCBL C SIGNAL 14 7C-131'

EXHH04-EXDHH01, 3" COND.-150'
 21-REM & RE ELCBL FR CON-156' (EACH)
 2-ELCBL C SIGNAL 14 7C-156'

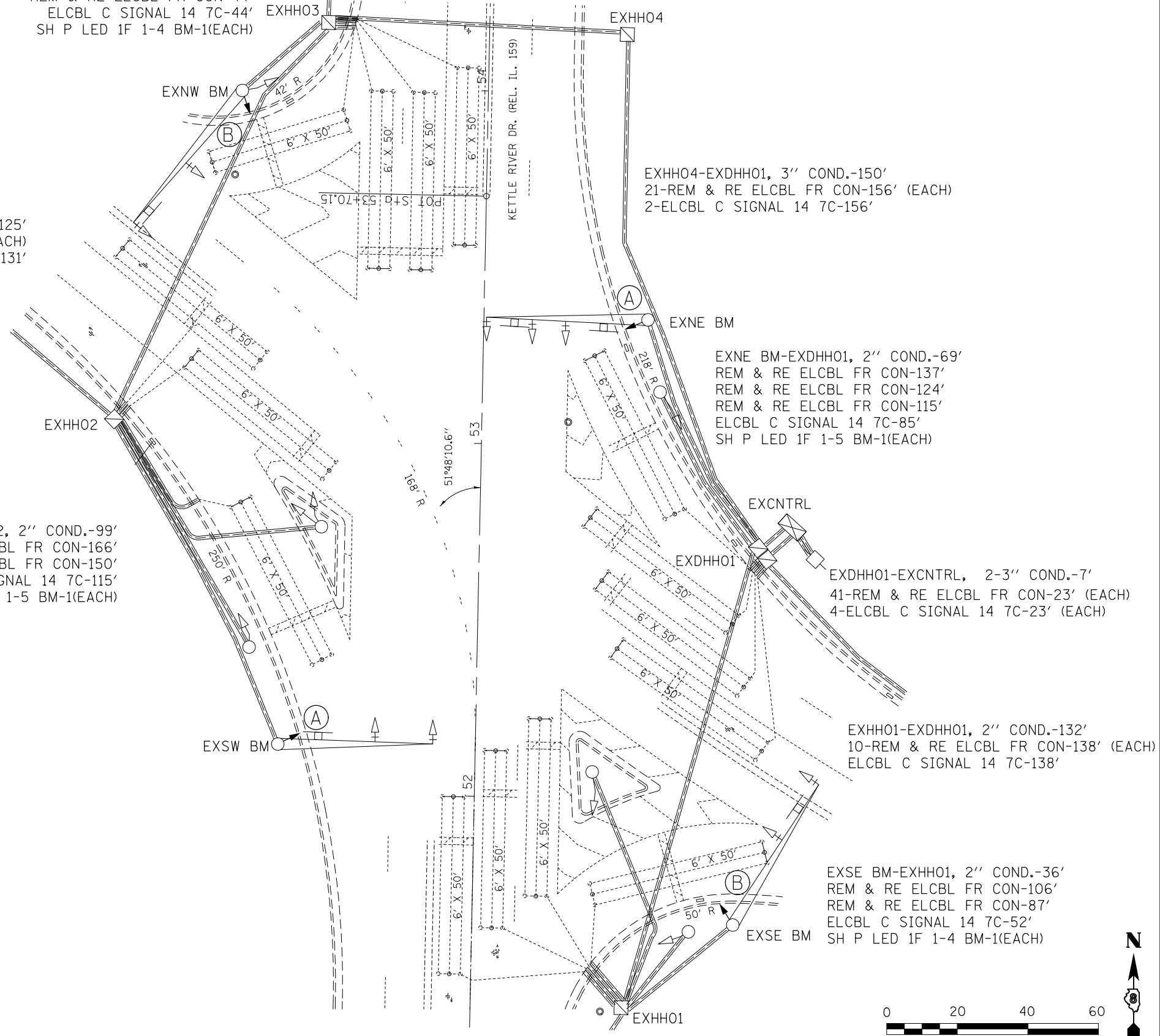
EXNE BM-EXDHH01, 2" COND.-69'
 REM & RE ELCBL FR CON-137'
 REM & RE ELCBL FR CON-124'
 REM & RE ELCBL FR CON-115'
 ELCBL C SIGNAL 14 7C-85'
 SH P LED 1F 1-5 BM-1(EACH)

EXDHH01-EXCNTRL, 2-3" COND.-7'
 41-REM & RE ELCBL FR CON-23' (EACH)
 4-ELCBL C SIGNAL 14 7C-23' (EACH)

EXHH01-EXDHH01, 2" COND.-132'
 10-REM & RE ELCBL FR CON-138' (EACH)
 ELCBL C SIGNAL 14 7C-138'

EXSE BM-EXHH01, 2" COND.-36'
 REM & RE ELCBL FR CON-106'
 REM & RE ELCBL FR CON-87'
 ELCBL C SIGNAL 14 7C-52'
 SH P LED 1F 1-4 BM-1(EACH)

EXSW BM-EXHH02, 2" COND.-99'
 REM & RE ELCBL FR CON-166'
 REM & RE ELCBL FR CON-150'
 ELCBL C SIGNAL 14 7C-115'
 SH P LED 1F 1-5 BM-1(EACH)



***MADISON & ST. CLAIR

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	PLOT DATE = 10/21/2016	DATE -	REVISED -



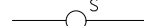

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

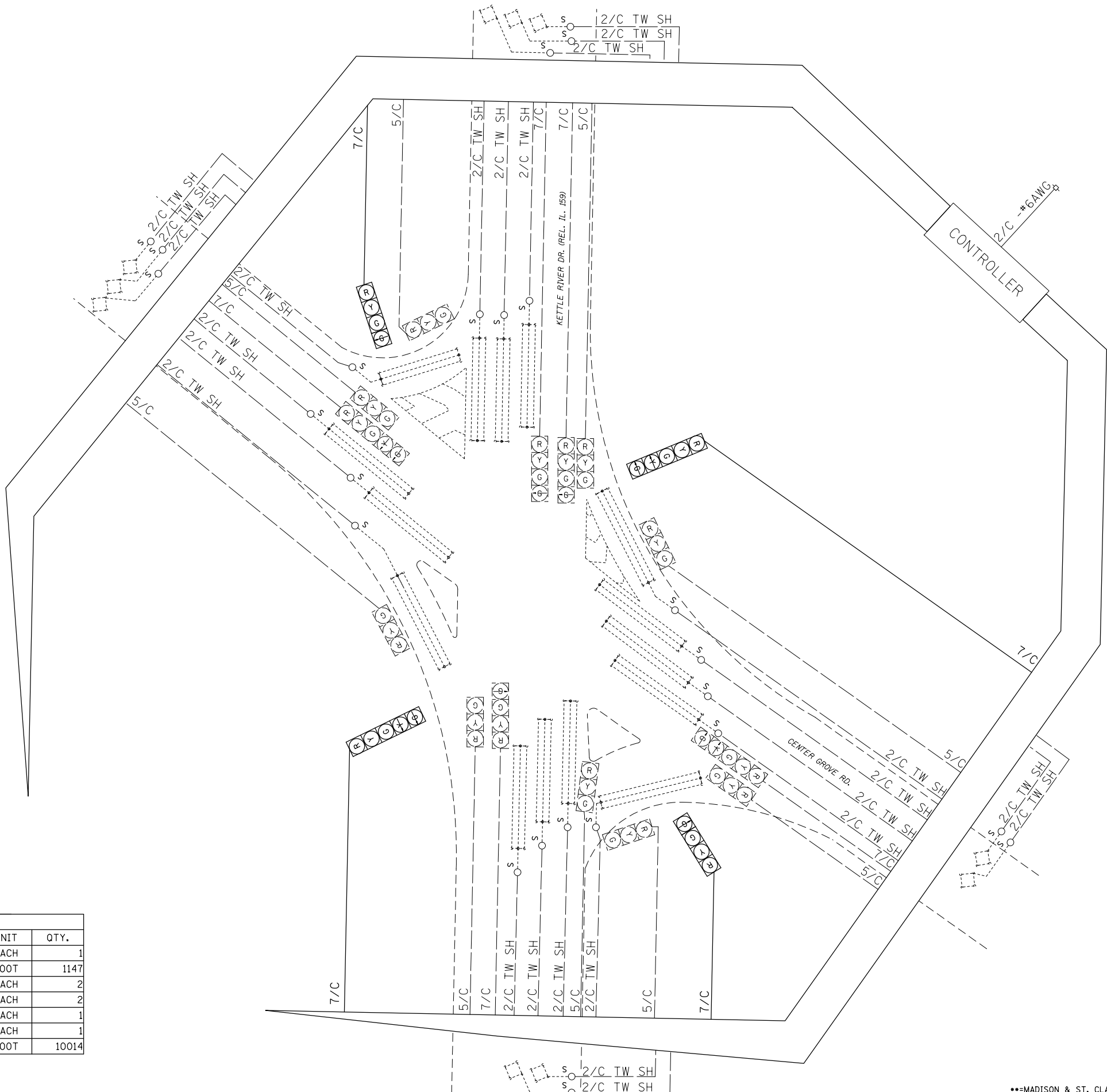
KETTLE RIVER DR. (REL. IL 159)
 & CENTER GROVE (GLEN CARBON, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	52
**=VARIOUS			CONTRACT NO. 76J22	
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
87801255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1147
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	10014

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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PLOT SCALE = 33.3333 ' / in.		DATE -	REVISED -
PLOT DATE = 10/21/2016			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

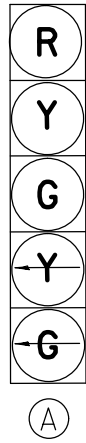
**KETTLE RIVER DR. (REL. IL. 159)
& CENTER GROVE (GLEN CARBON, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	53
**=VARIOUS				CONTRACT NO. 76J22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

***MADISON & ST. CLAIR

12"

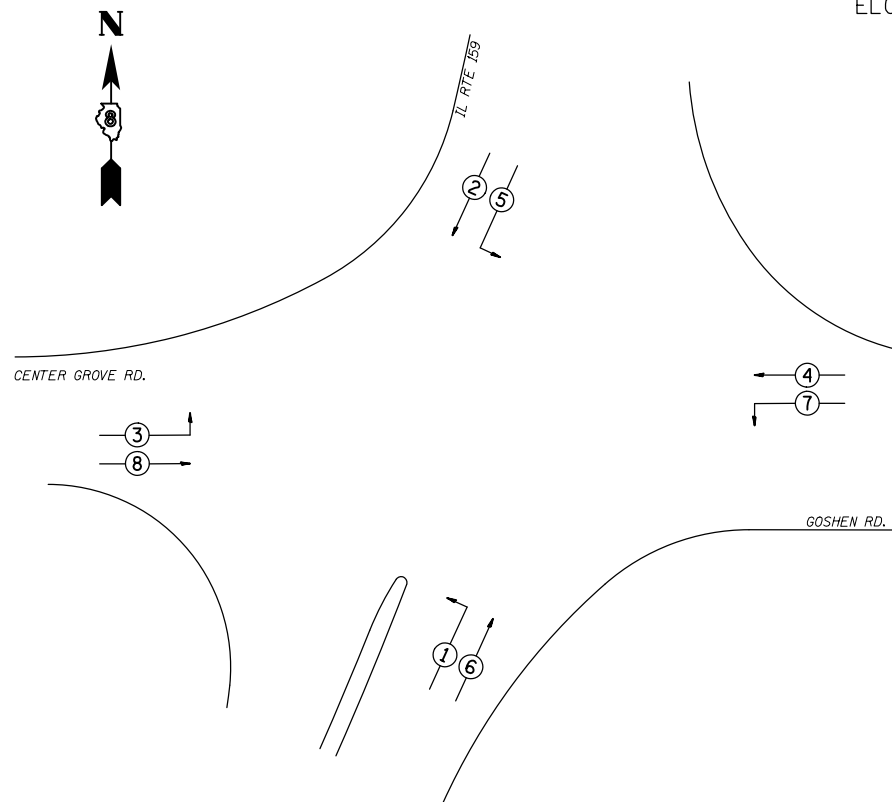


EXISTING FULL-ACTUATED CONTROLLER

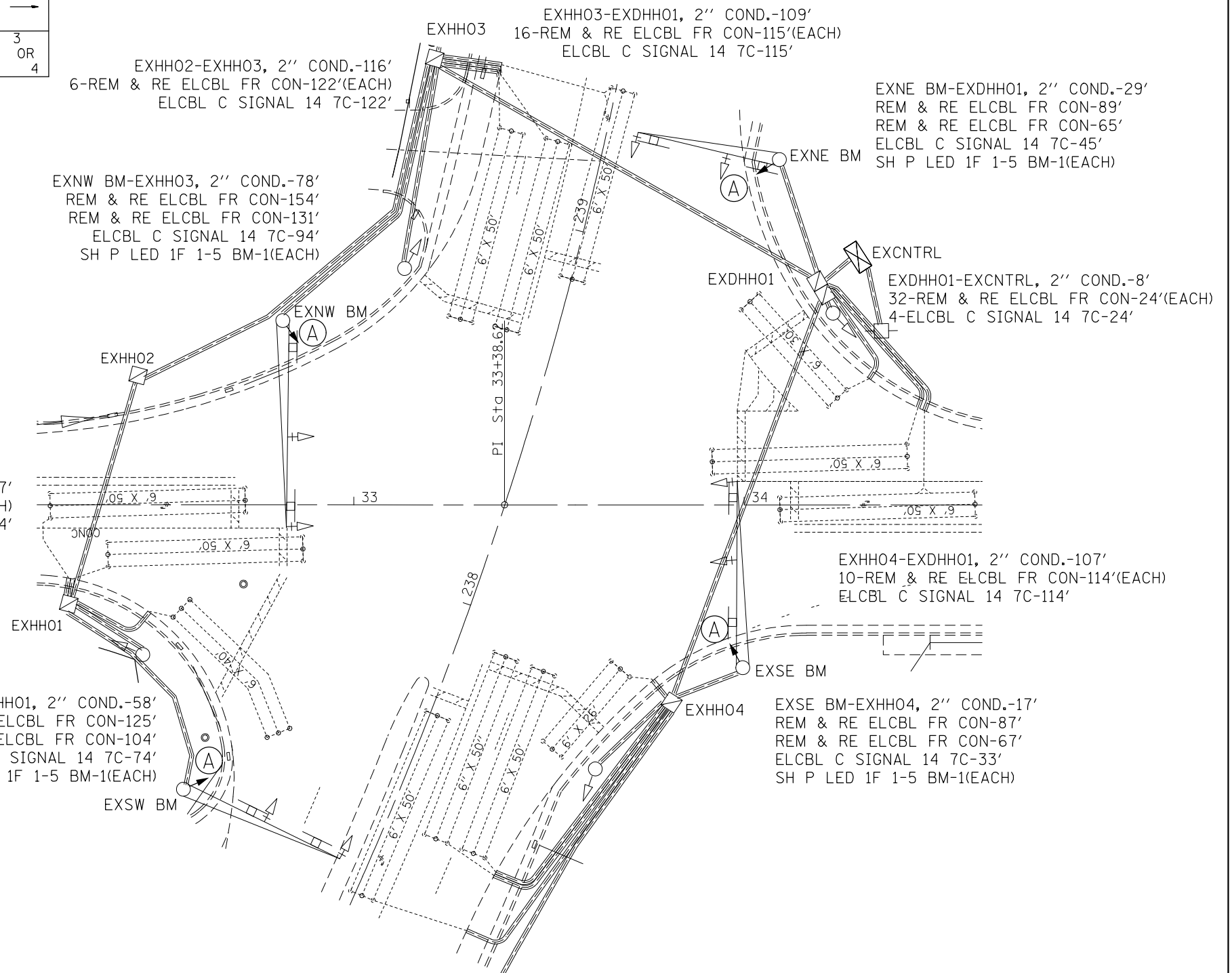
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



***MADISON & ST. CLAIR

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	PLOT DATE = 10/21/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

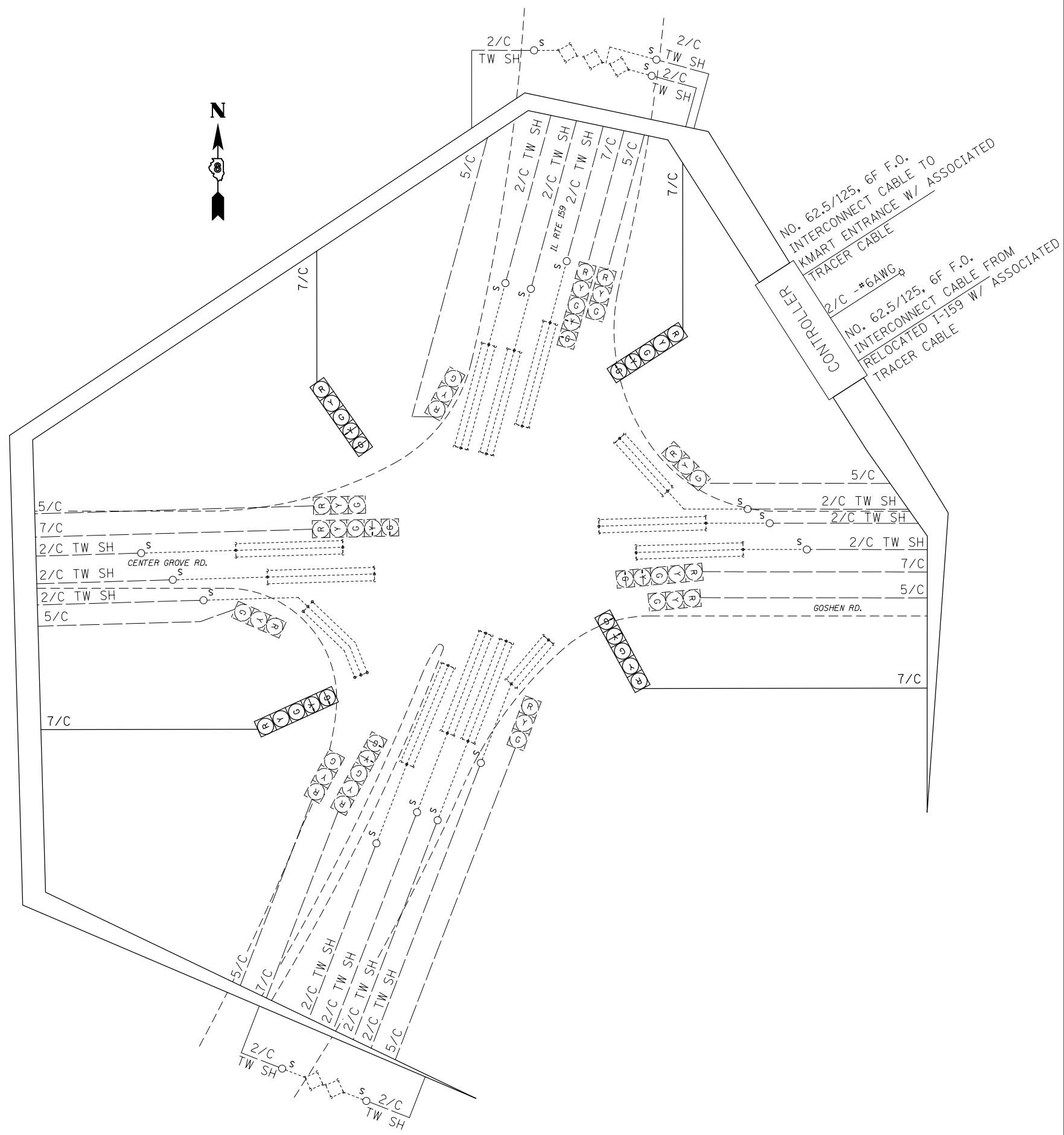
TROY RD. & CENTER GROVE (GLEN CARBON, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2017-1	**	136	54
**=VARIOUS			CONTRACT NO. 76J22	
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.
7010267	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	591
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 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	5413

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	PLOT DATE = 10/21/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TROY RD. & CENTER GROVE (GLEN CARBON, MADISON CNTY.)
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	55
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

***MADISON & ST. CLAIR

#5 IL 3 & CHAIN OF ROCKS

#4 IL 3 & PONTOON

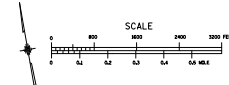
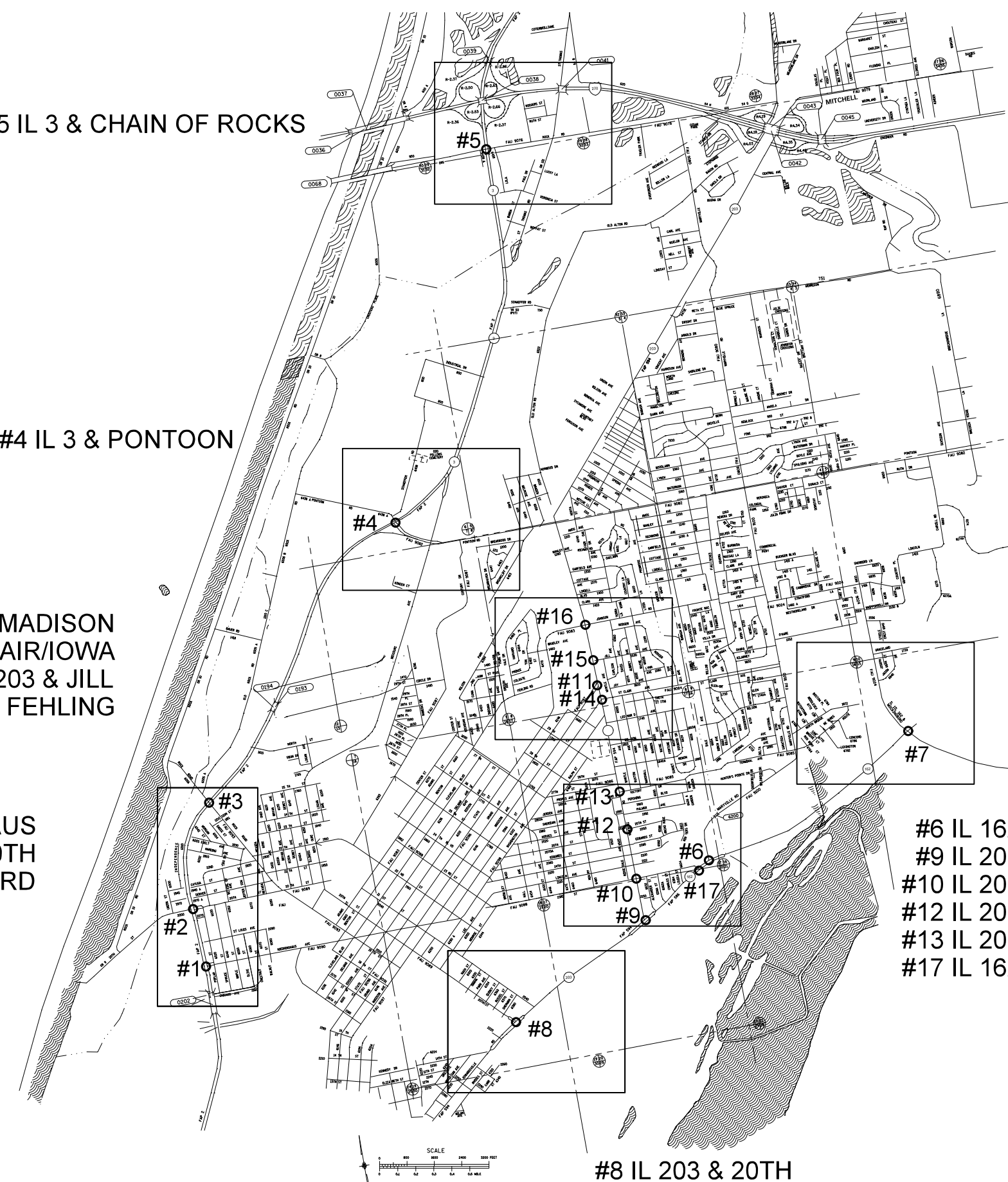
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#14 IL 203 & ST CLAIR/IOWA
#15 IL 203 & JILL
#16 IL 203 & FEHLING

#7 IL 162 & MOCKINGBIRD

#1 IL RTE 3 & NIEDRINGHAUS
#2 IL 3 & 20TH
#3 IL 3 & ROCK RD

#6 IL 162 & MARYVILLE
#9 IL 203 & IL162
#10 IL 203 & 23rd
#12 IL 203 & 25TH
#13 IL 203 & VICTORY
#17 IL 162 & 23RD

#8 IL 203 & 20TH



**-MADISON & ST. CLAIR

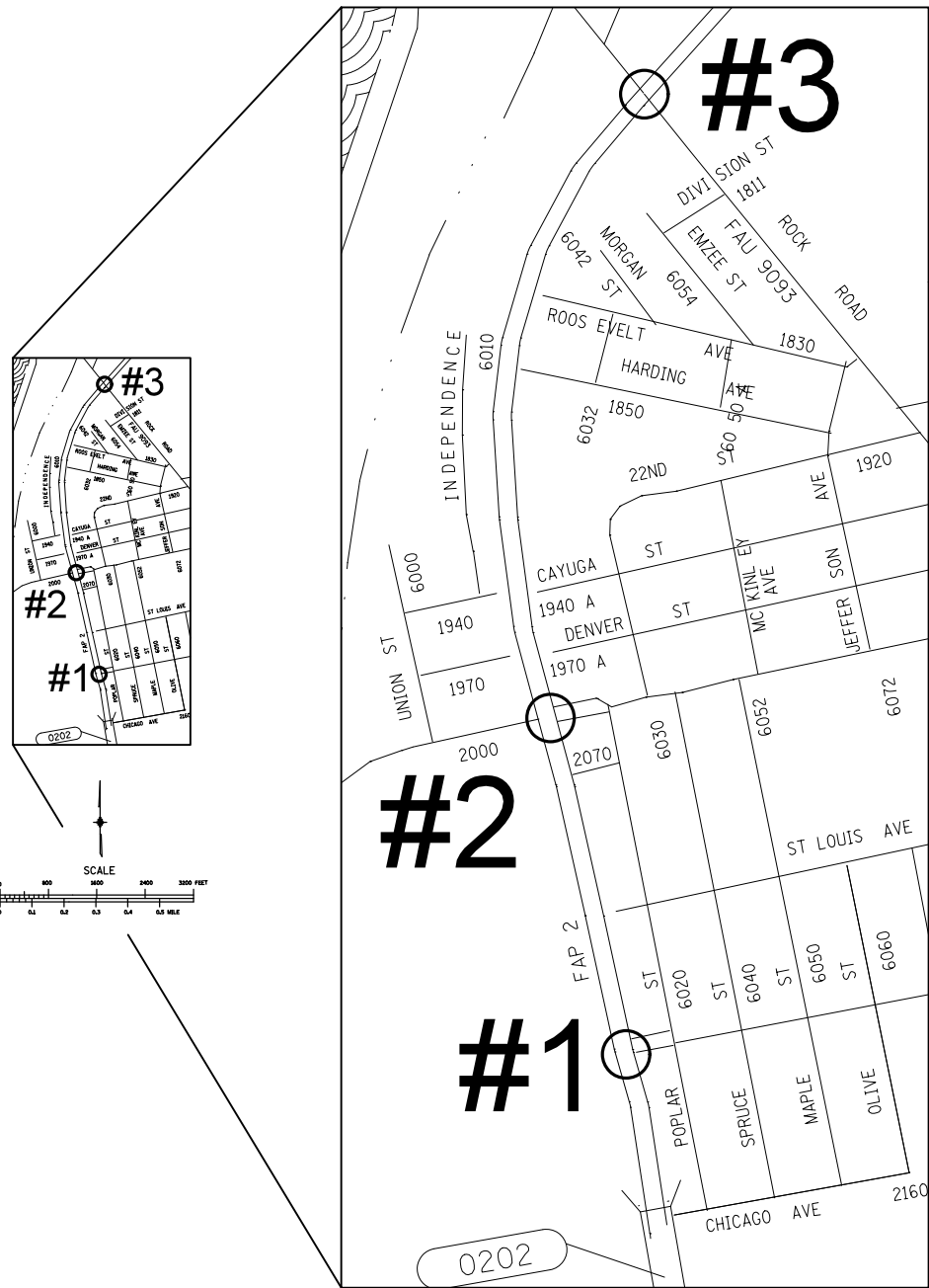
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

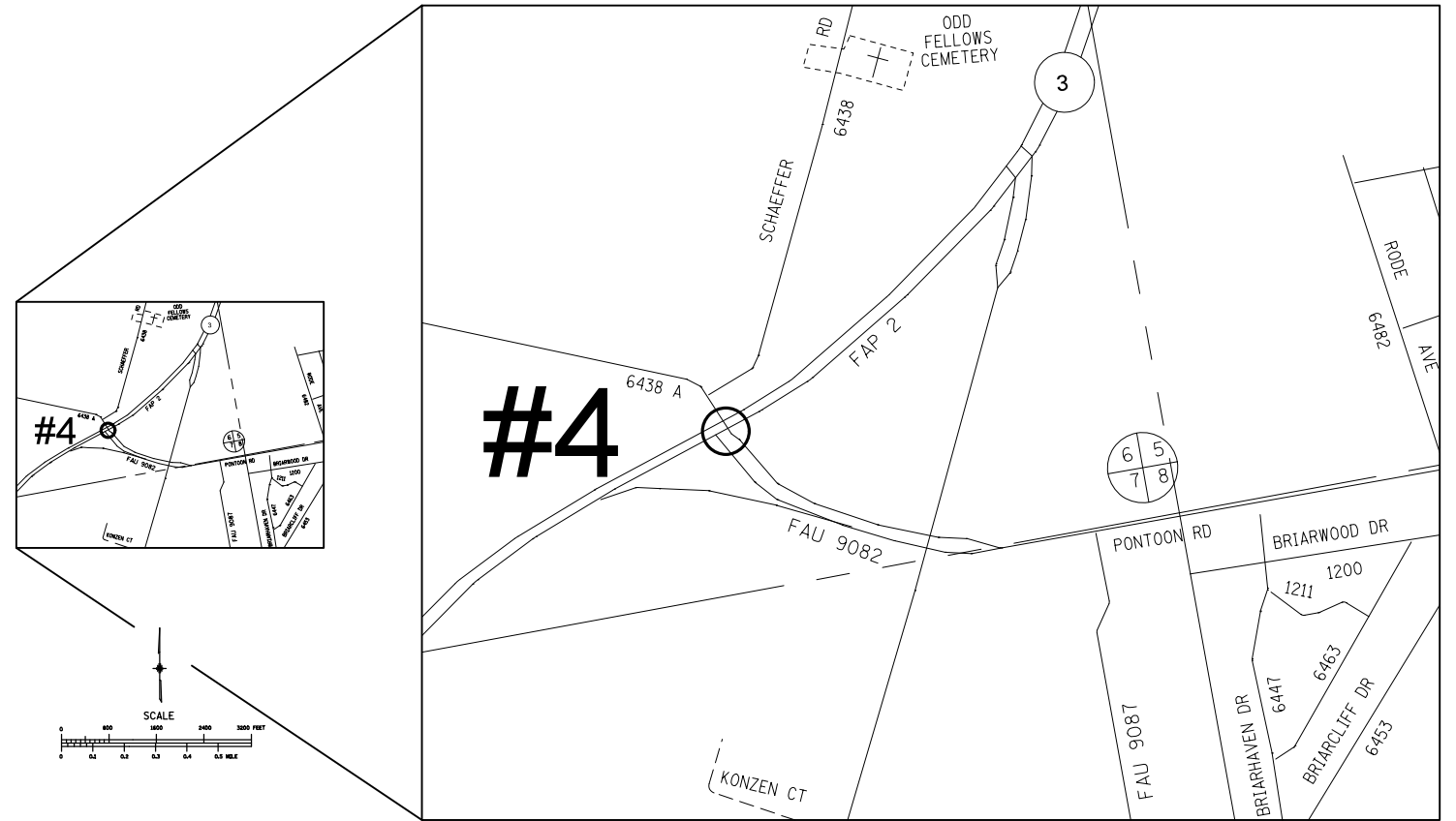
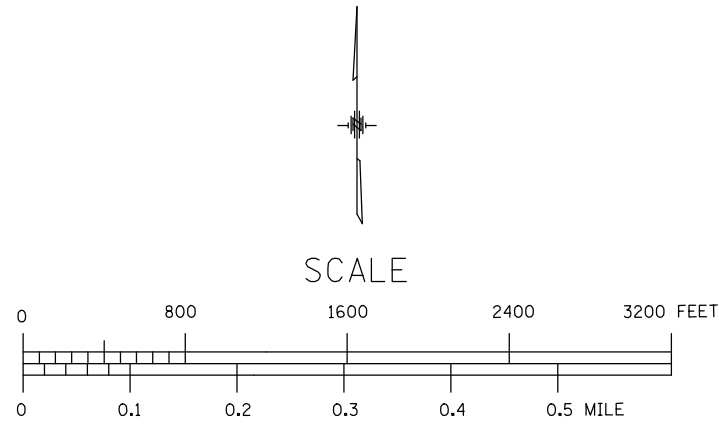
LOCATION MAP
GRANITE CITY, MADISON CNTY.
1 OF 5

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2017-1	**	136	56
**=VARIOUS				CONTRACT NO. 76J22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



#1 IL RTE 3 & NIEDRINGHAUS
 #2 IL 3 & 20TH
 #3 IL 3 & ROCK RD



#4 IL 3 & PONTOON

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		DATE -	REVISED -

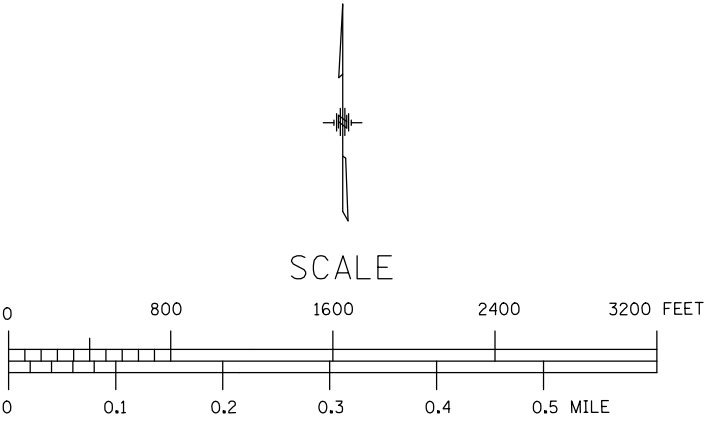
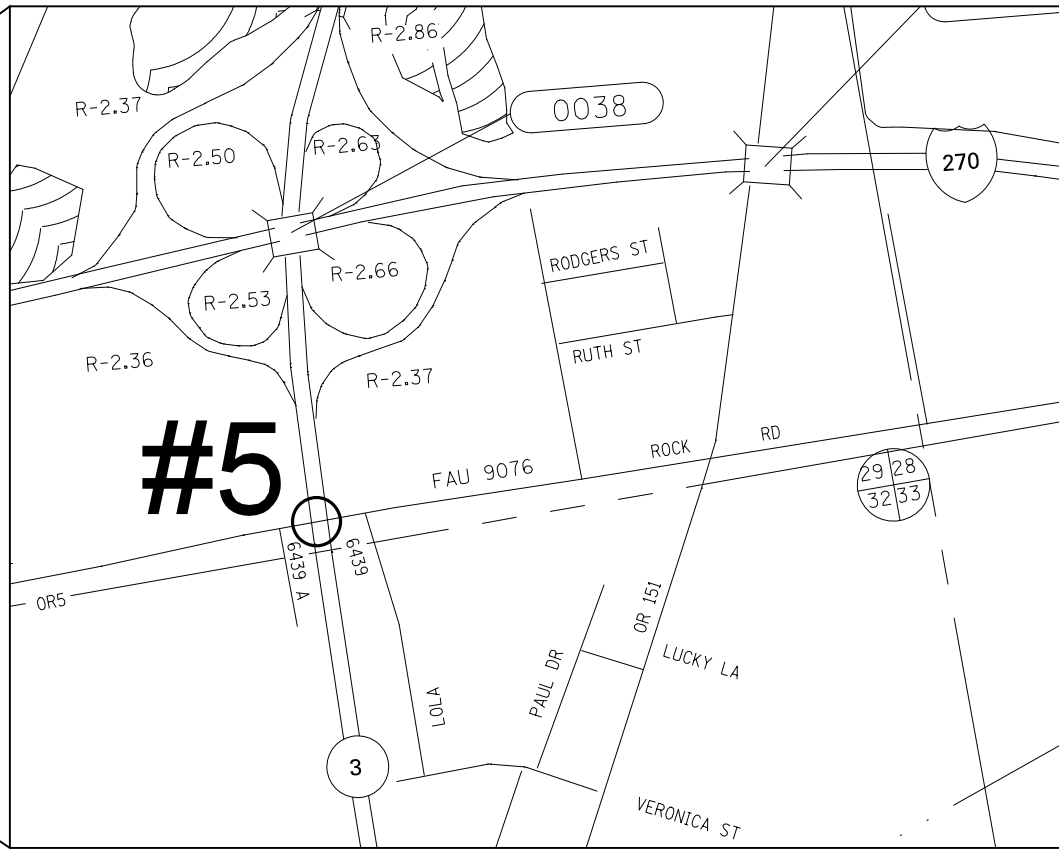
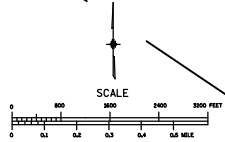
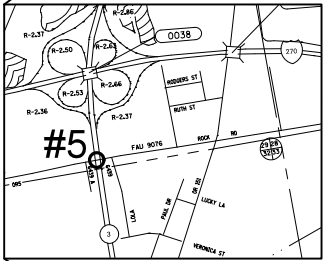
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION MAP
 GRANITE CITY, MADISON CNTY.
 2 OF 5

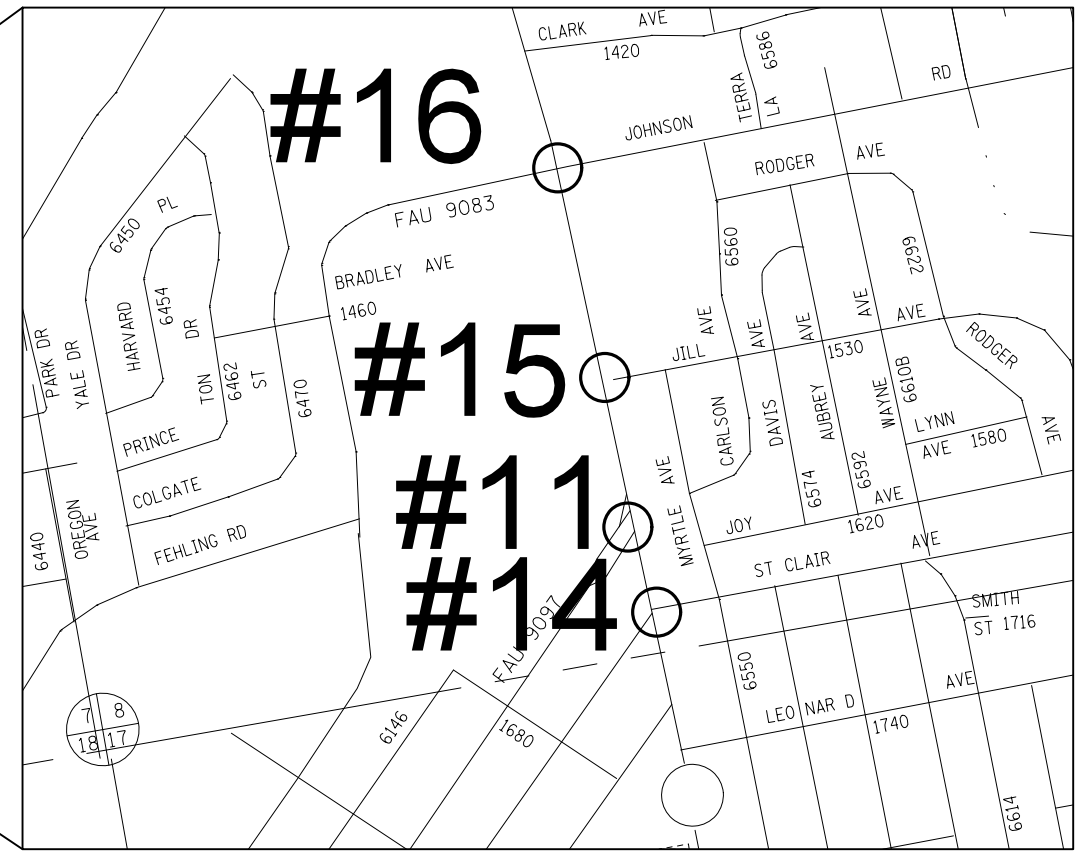
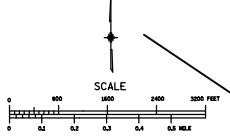
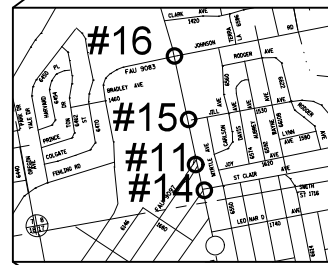
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	57
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

***MADISON & ST. CLAIR



#5 IL 3 & CHAIN OF ROCKS



- #11 IL 203 & MADISON
- #14 IL 203 & ST CLAIR/IOWA
- #15 IL 203 & JILL
- #16 IL 203 & FEHLING

#16

#15

#11

#14

***MADISON & ST. CLAIR

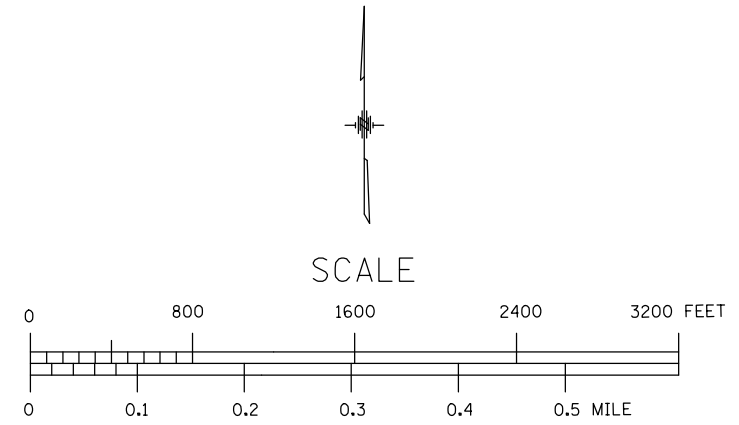
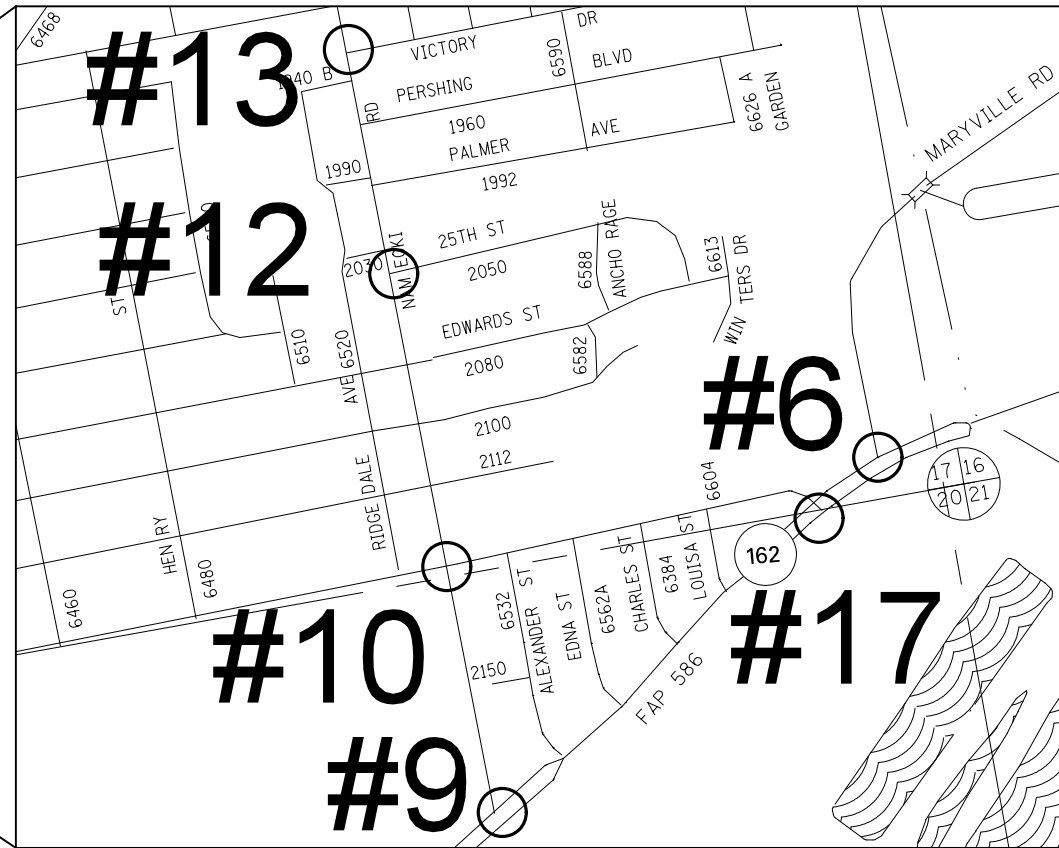
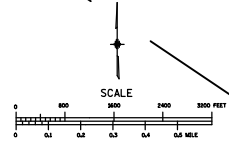
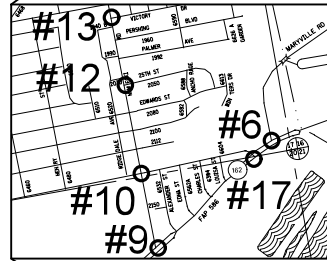
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	PLOT SCALE = 33.3333 / in.	DATE -	REVISED -
	PLOT DATE = 10/21/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
GRANITE CITY, MADISON CNTY.
3 OF 5**

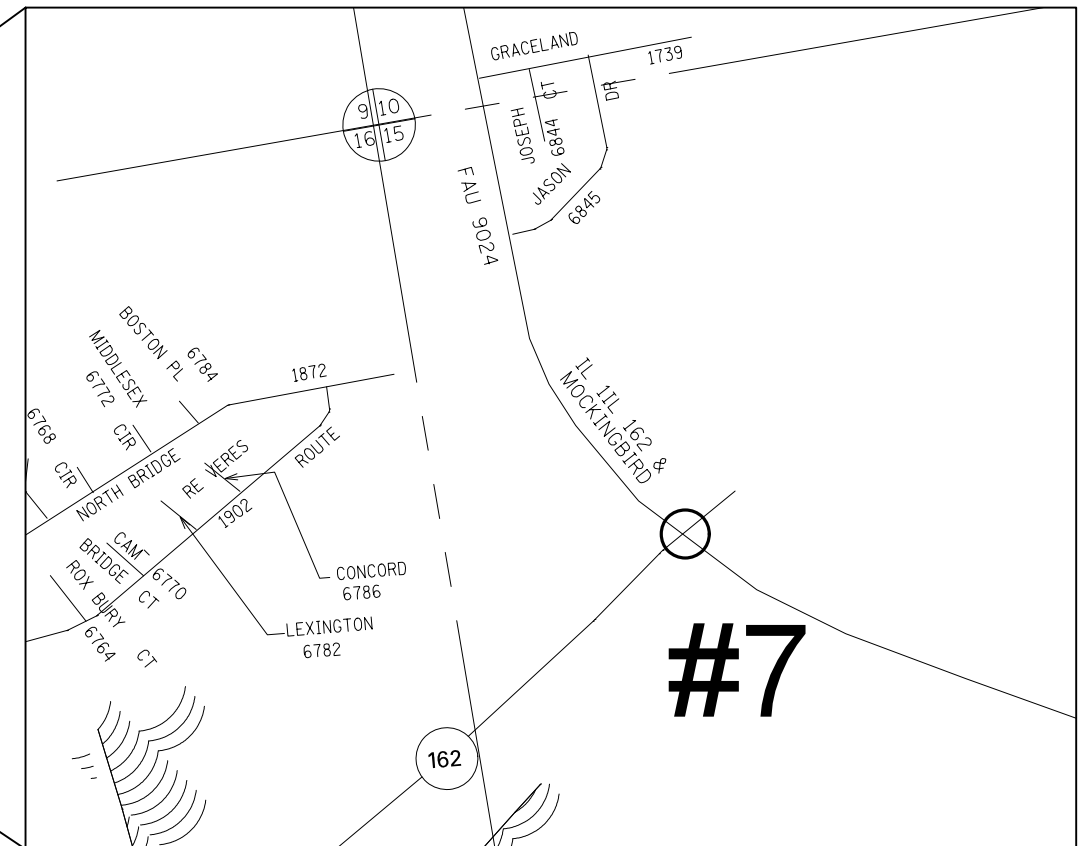
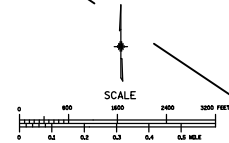
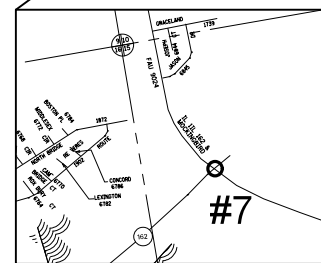
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	58
* = VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- #6 IL 162 & MARYVILLE
- #9 IL 203 & IL162
- #10 IL 203 & 23rd
- #12 IL 203 & 25TH
- #13 IL 203 & VICTORY
- #17 IL 162 & 23RD

#7 IL 162 & MOCKINGBIRD



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		DATE -	REVISED -

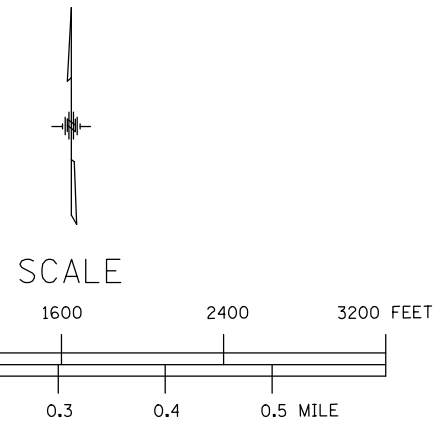
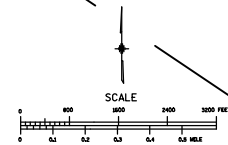
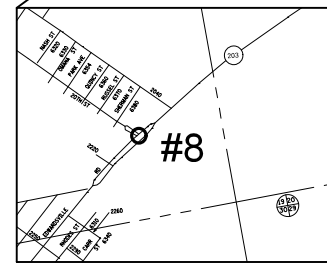
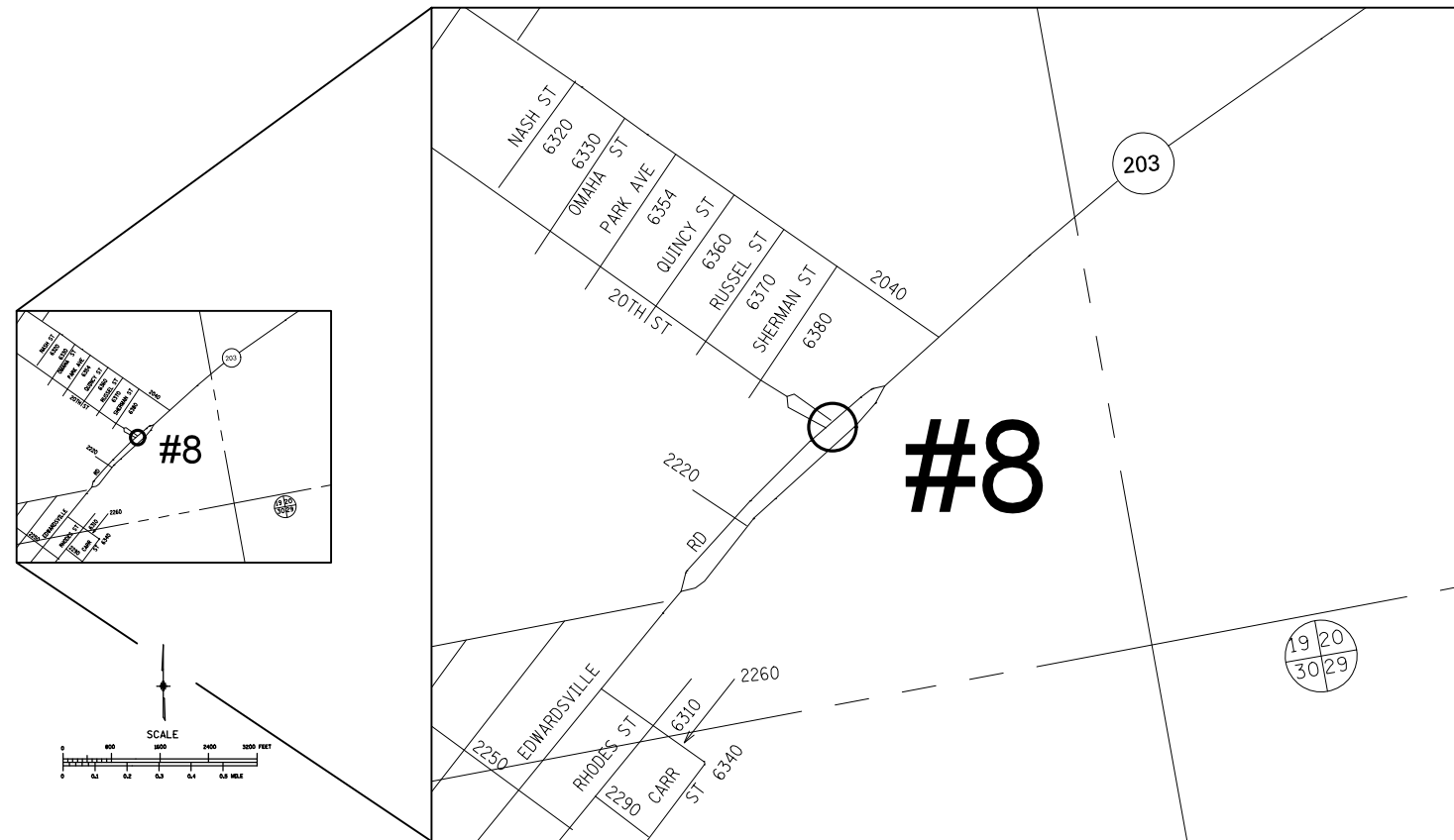
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
GRANITE CITY, MADISON CNTY.
4 OF 5

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

		**=MADISON & ST. CLAIR	
RT.	SECTION	COUNTY	TOTAL SHEETS SHEET NO.
•	DIST 8 TS 2017-1	**	136 59
•=VARIOUS		CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

#8 IL 203 & 20TH



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 10/21/2016		

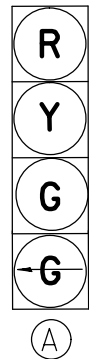
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
GRANITE CITY, MADISON CNTY.
5 OF 5

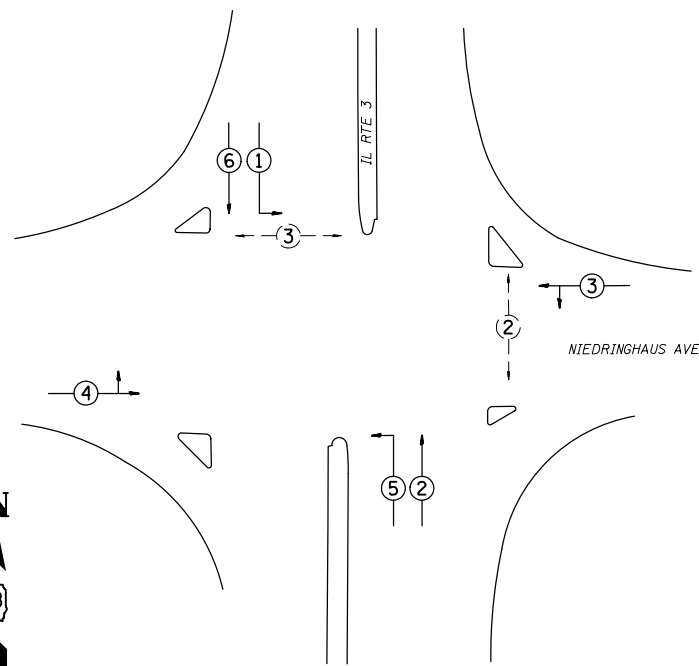
SCALE: SHEET NO. OF SHEETS STA. TO STA.

		***MADISON & ST. CLAIR	
RTE.	SECTION	COUNTY	TOTAL SHEETS SHEET NO.
•	DIST 8 TS 2017-1	••	136 60
•=VARIOUS		CONTRACT NO. 76J22	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

12"



PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXSW BM-EXHH04, 2" 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)

EXHH04-EXHH05, 2" COND.-37'
 15-REM & RE ELCBL FR CON-43' (EACH)
 ELCBL C SIGNAL 14 7C-43'

EXHH05-EXHH06, 2" COND.-62'
 18-REM & RE ELCBL FR CON-68' (EACH)
 ELCBL C SIGNAL 14 7C-68'

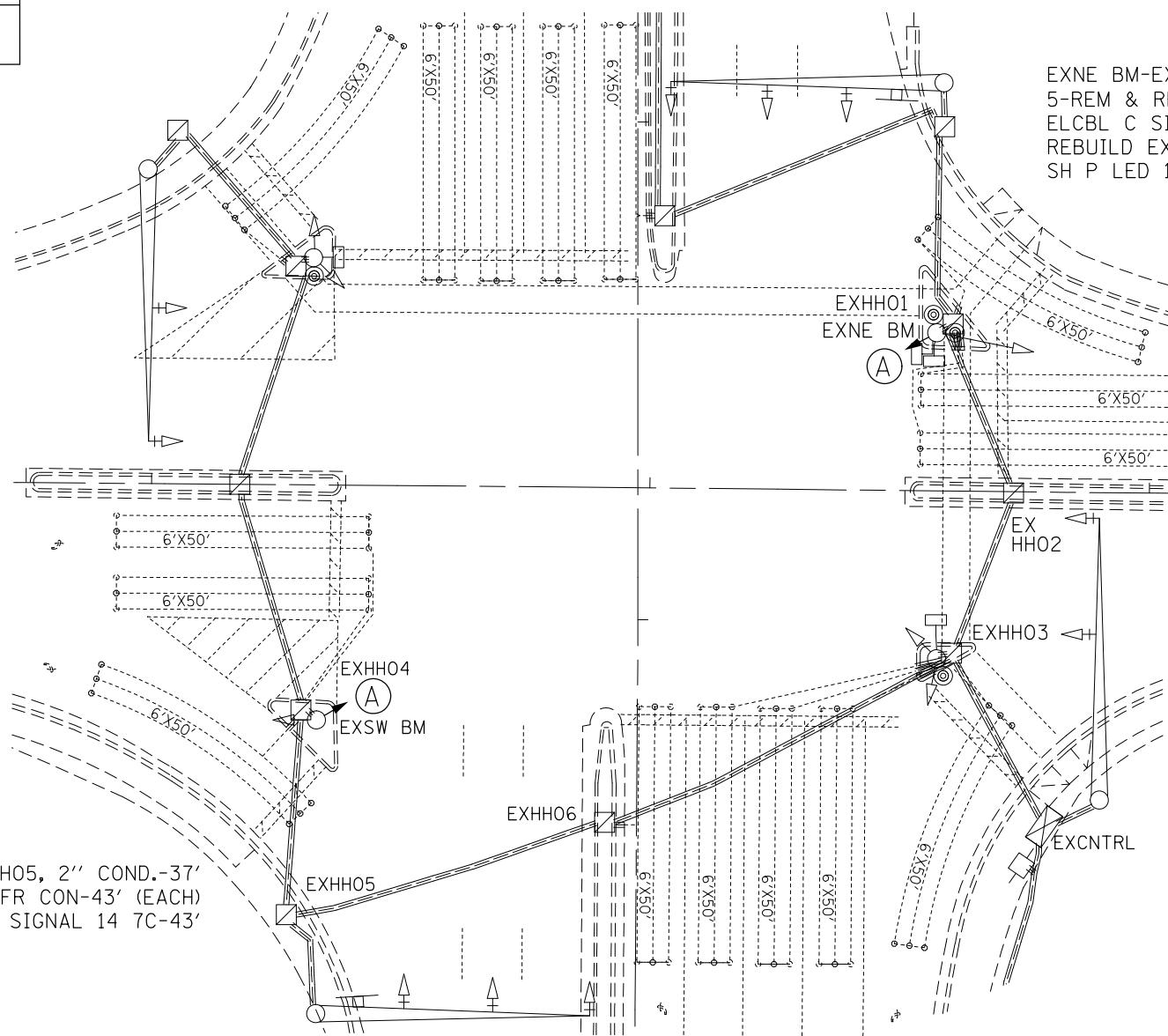
EXHH06-EXHH03, 2" COND.-72'
 19-REM & RE ELCBL FR CON-78' (EACH)
 ELCBL C SIGNAL 14 7C-78'

EXNE BM-EXHH01, 2" COND.-1'
 5-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-EXHH02, 2" COND.-32'
 15-REM & RE ELCBL FR CON-38' (EACH)
 ELCBL C SIGNAL 14 7C-38'

EXHH02-EXHH03, 2" COND.-30'
 15-REM & RE ELCBL FR CON-37' (EACH)
 ELCBL C SIGNAL 14 7C-37'

EXHH03-EXCNTRL, 2" COND.-35'
 51-REM & RE ELCBL FR CON-51' (EACH)
 2-ELCBL C SIGNAL 14 7C-51'



**MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
pw\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 8\Projects\D876\DRAWING\DATA\EA0\sheets\D876J22-sht-tsplo		DRAWN -	REVISED -
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	PLOT DATE = 10/21/2016	DATE -	REVISED -



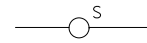

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

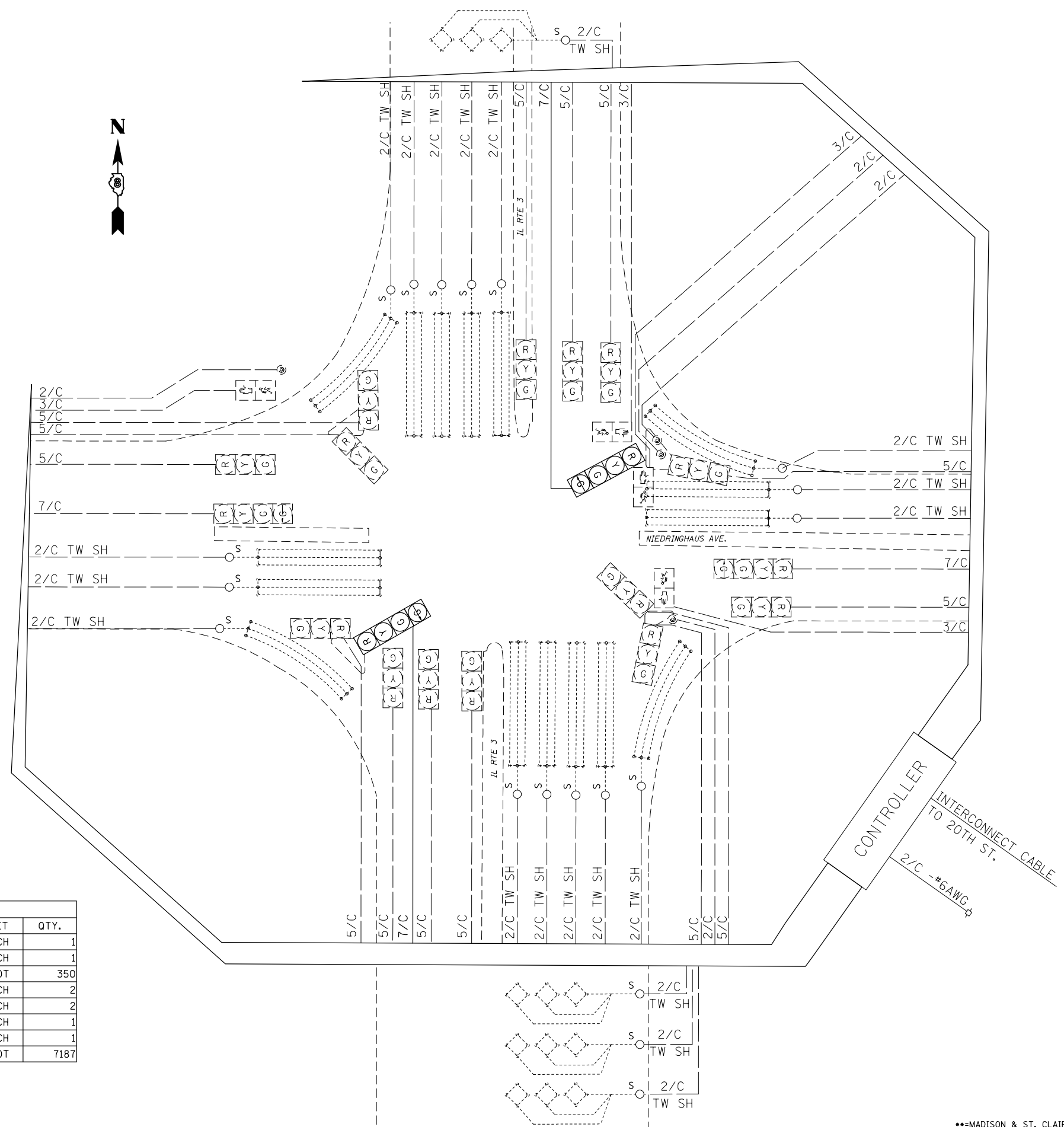
IL RTE 3 & NIEDRINGHAUS (GRANITE CITY, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2017-1	**	136	61
**VARIOUS			CONTRACT NO. 76J22	
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
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	350
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	7187

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 3 & NIEDRINGHAUS (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	62
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**=MADISON & ST. CLAIR

12"

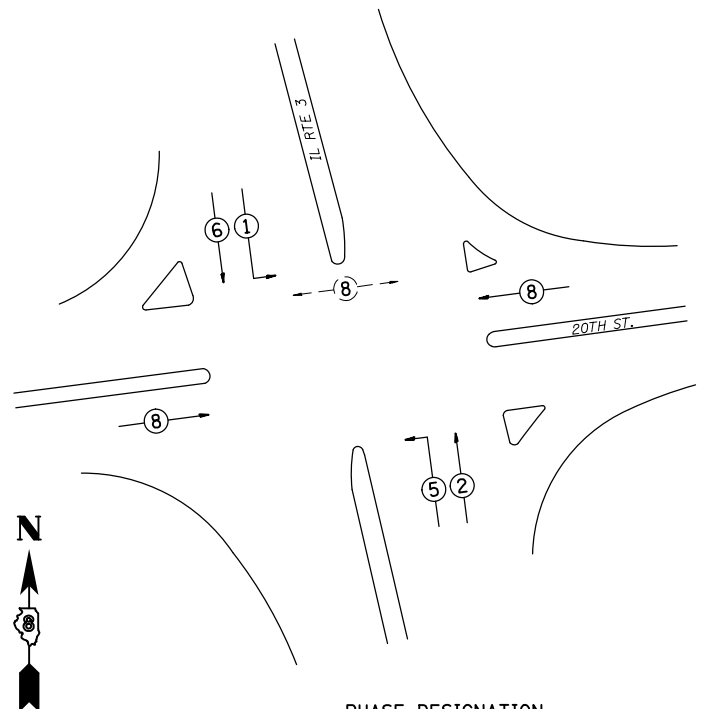
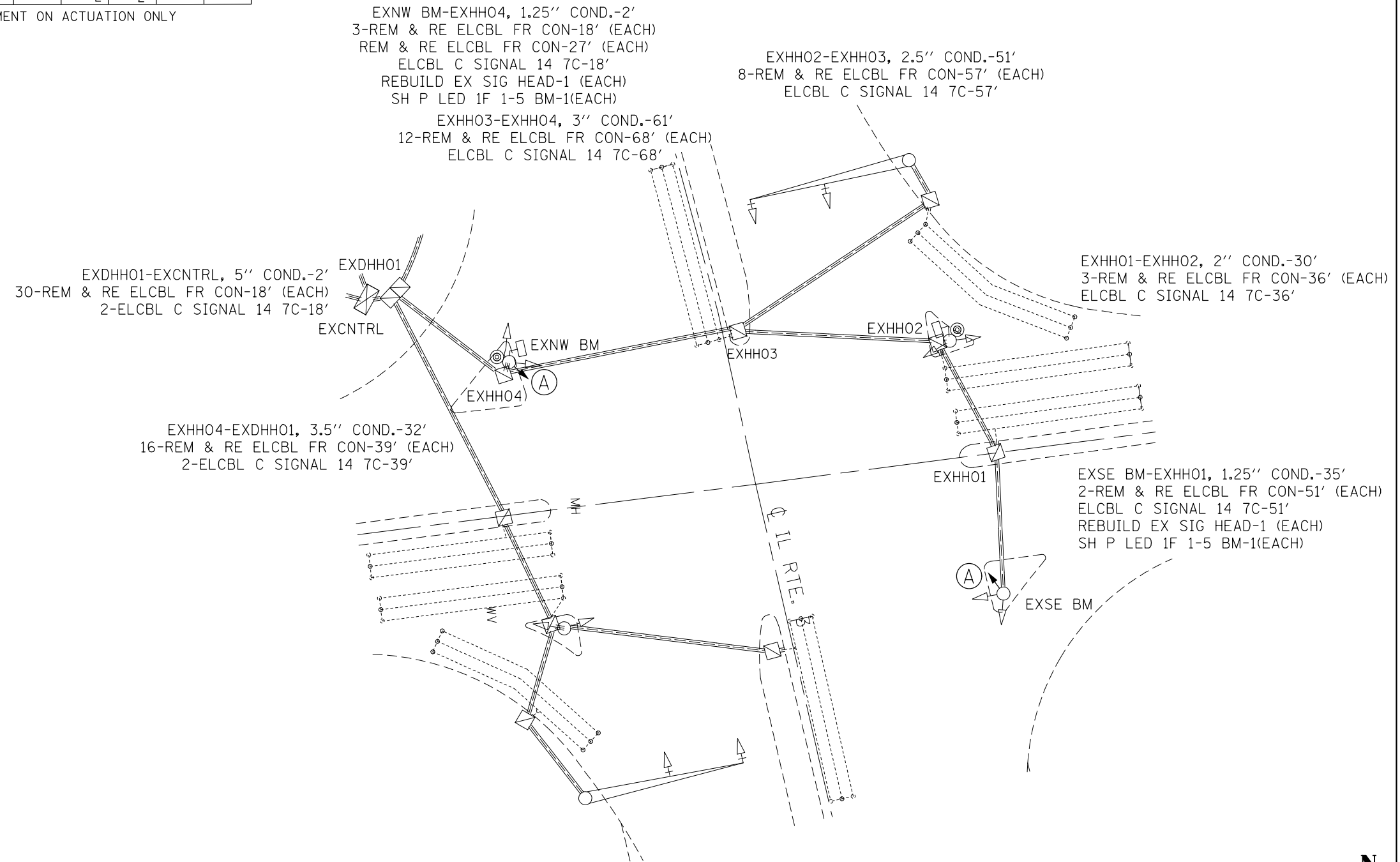


EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↓	↑	NOT USED	NOT USED	↙	↘	NOT USED	⇄*
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6			1 OR 2	1 OR 2		NONE

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



***MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 10/21/2016	DATE -	REVISED -



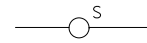
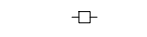
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

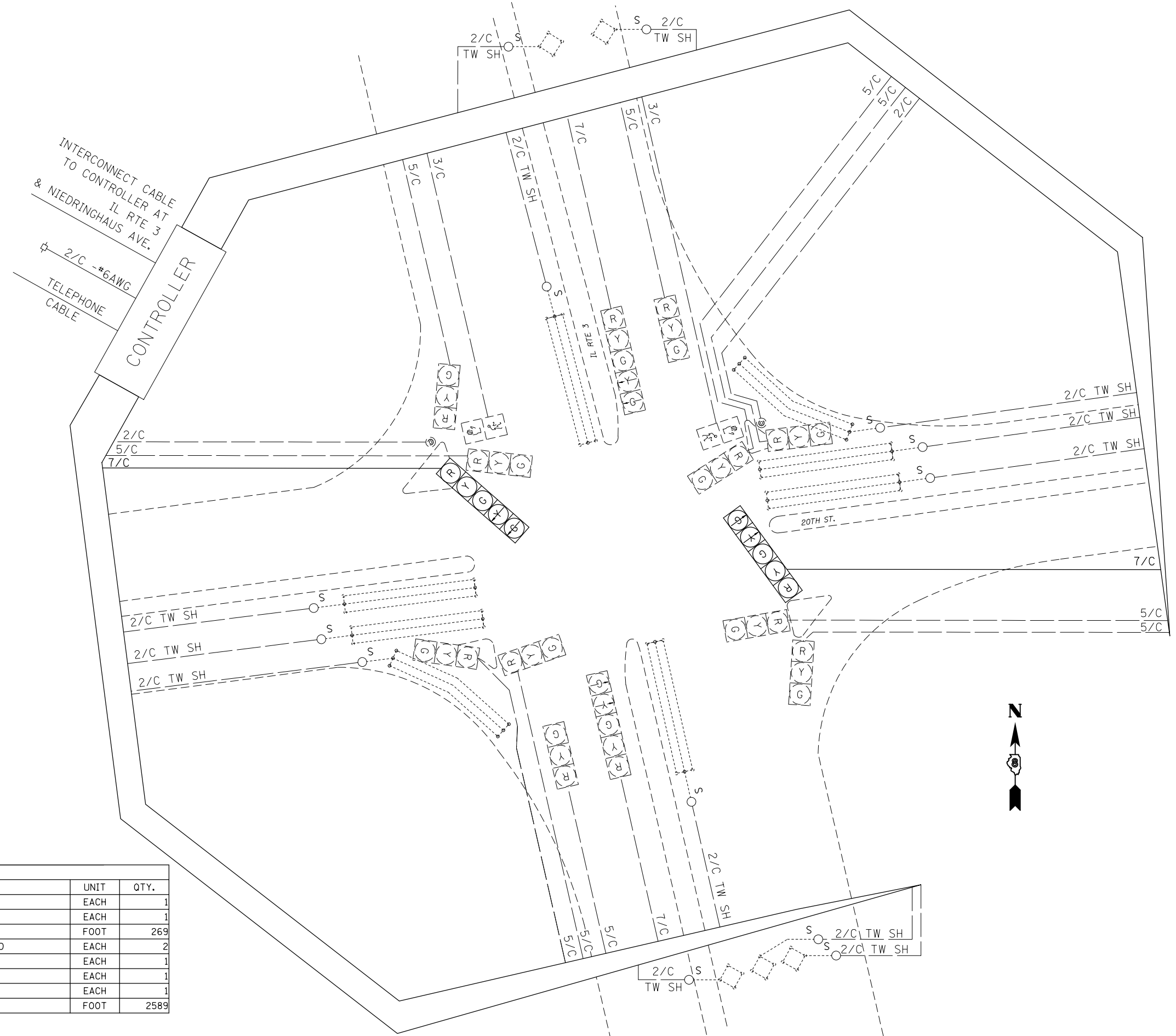
IL 3 & 20TH (GRANITE CITY, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	63
**=VARIOUS			CONTRACT NO. 76J22	
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
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	269
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2589

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 ' / in.	DATE -	REVISED -
	PLOT DATE = 10/21/2016		

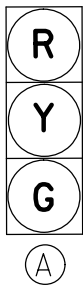
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 3 & 20TH (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

***MADISON & ST. CLAIR	
RTE.	SECTION
•	DIST 8 TS 2017-1
•=VARIOUS	CONTRACT NO. 76J22
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
COUNTY	TOTAL SHEETS
••	136
SHEET NO.	64

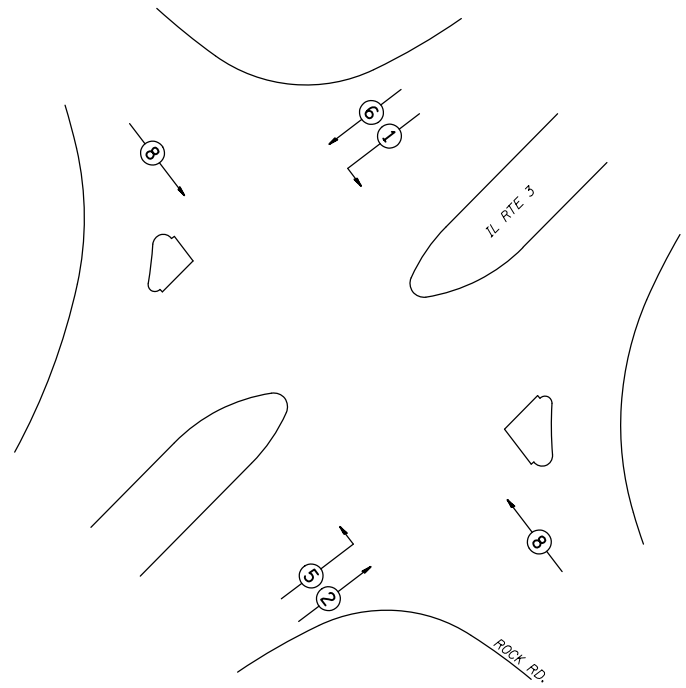
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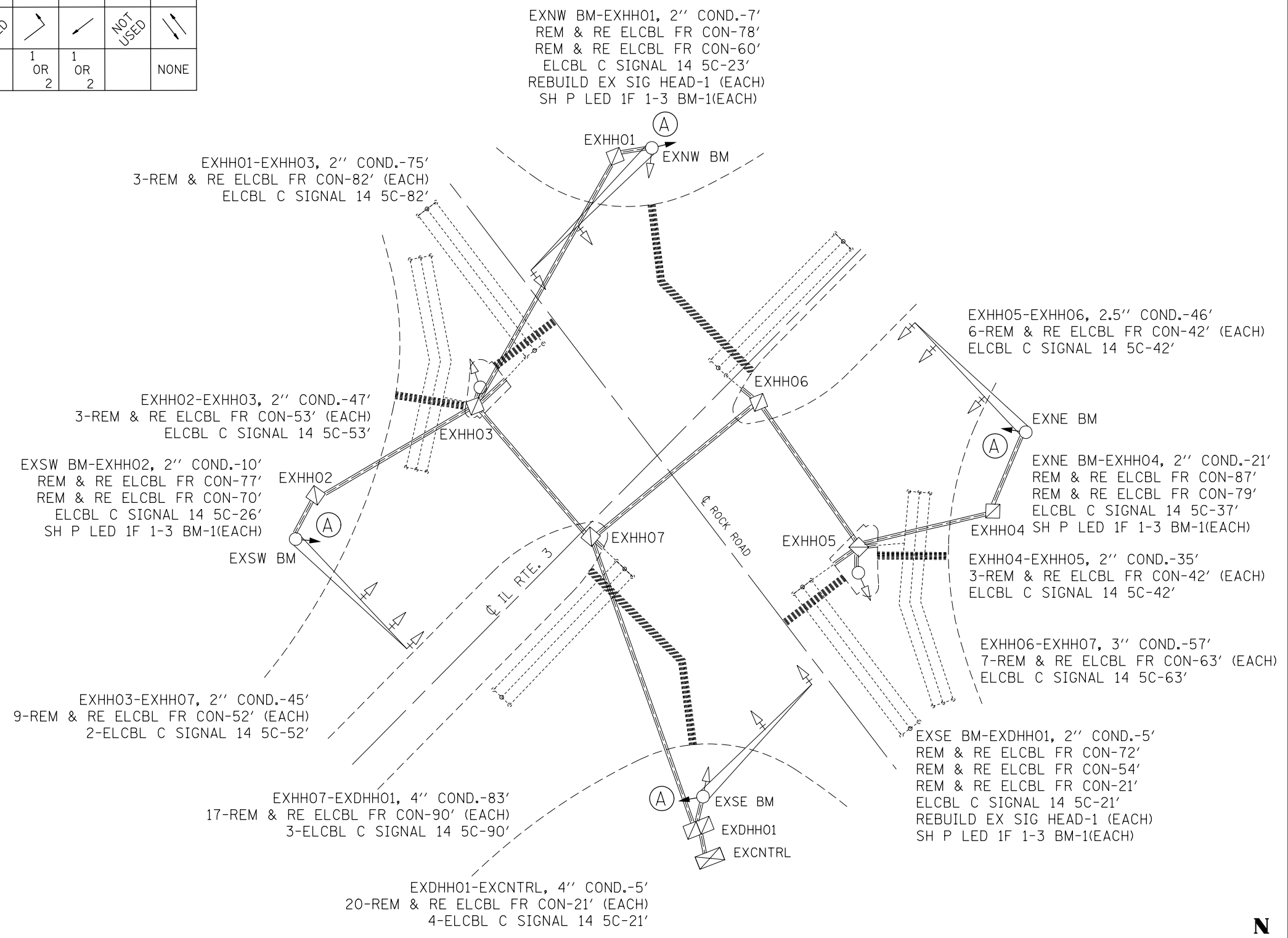
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT			NOT USED	NOT USED			NOT USED	
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6			1 OR 2	1 OR 2		NONE

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

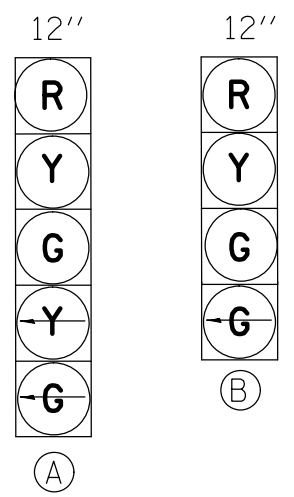
PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



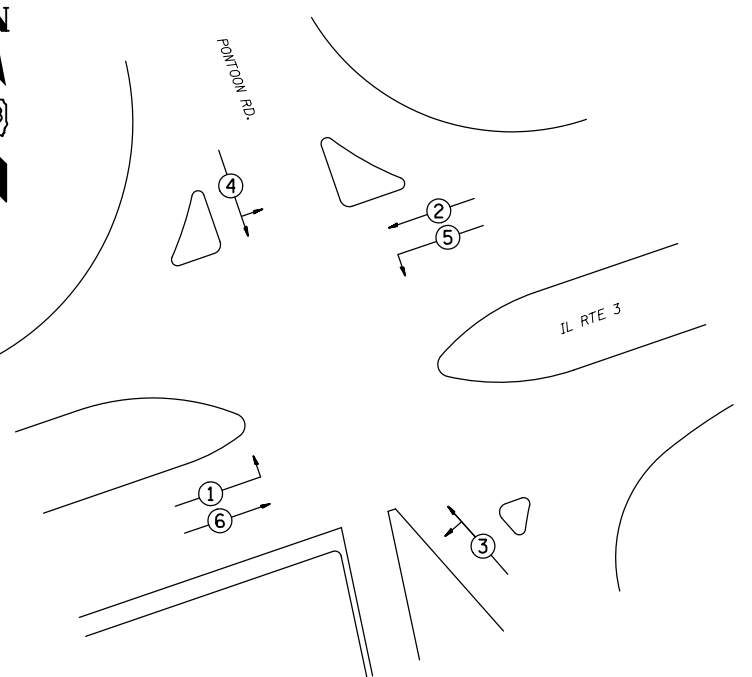
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



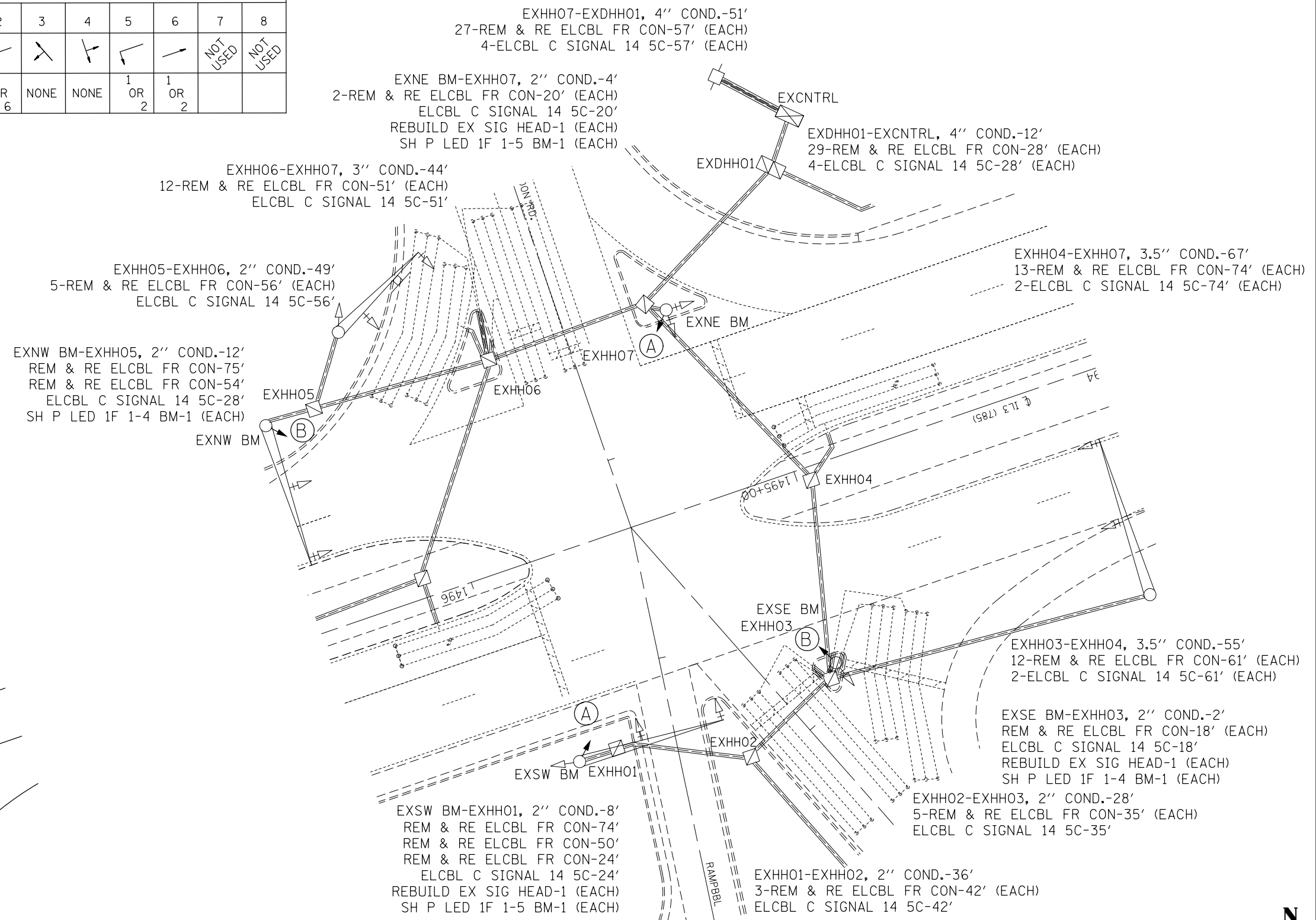
EXISTING FULL-ACTUATED CONTROLLER

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

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



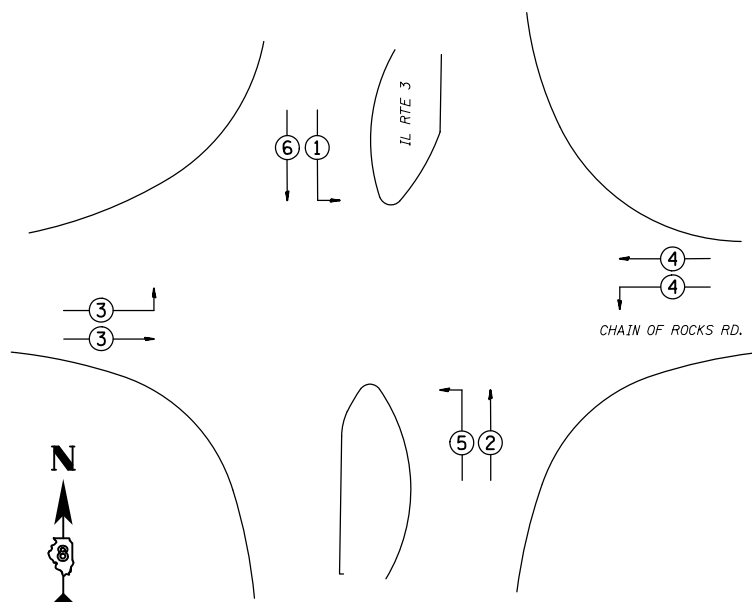
12"
 R
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 A

EXISTING FULL-ACTUATED CONTROLLER

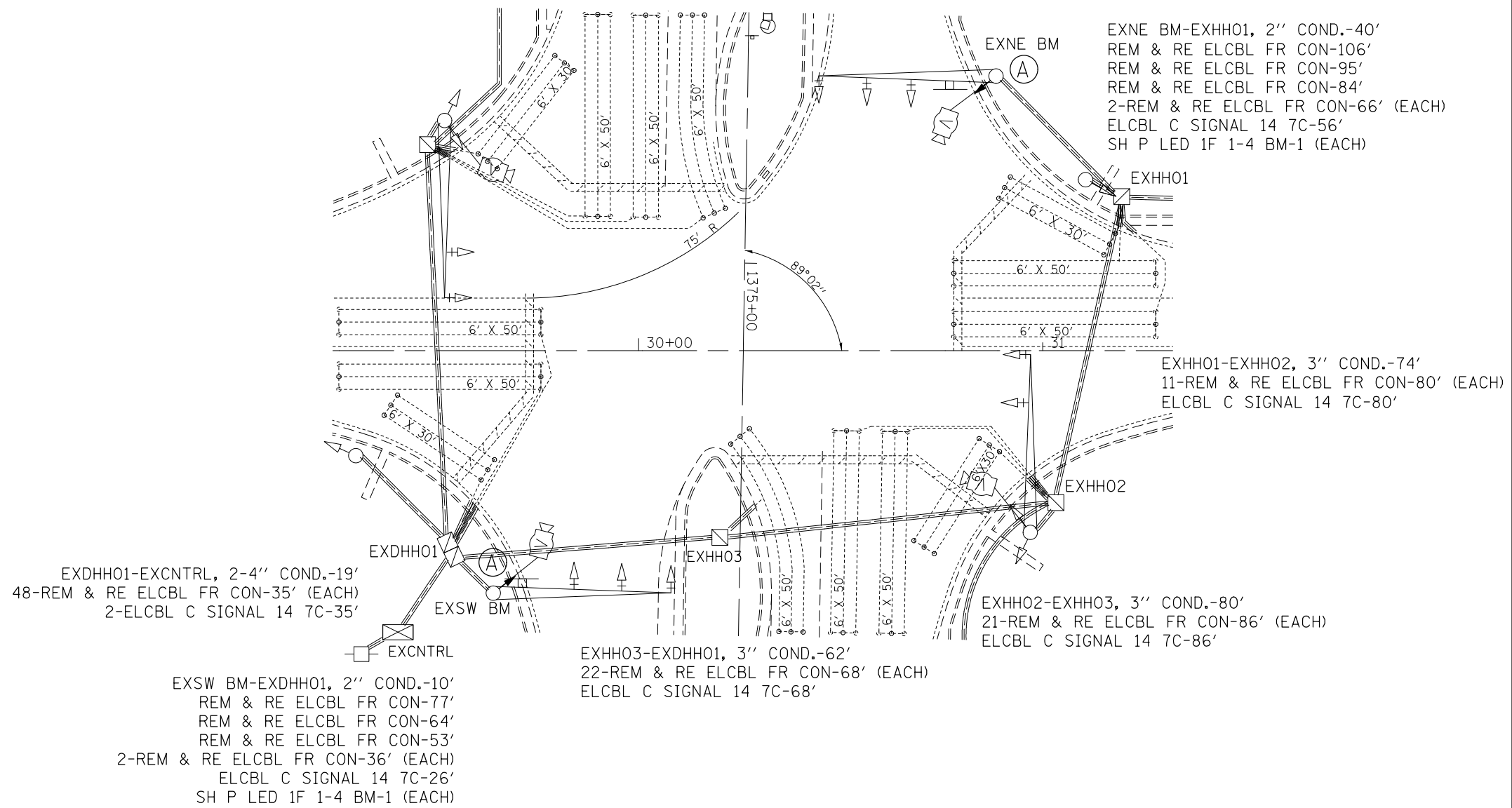
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES



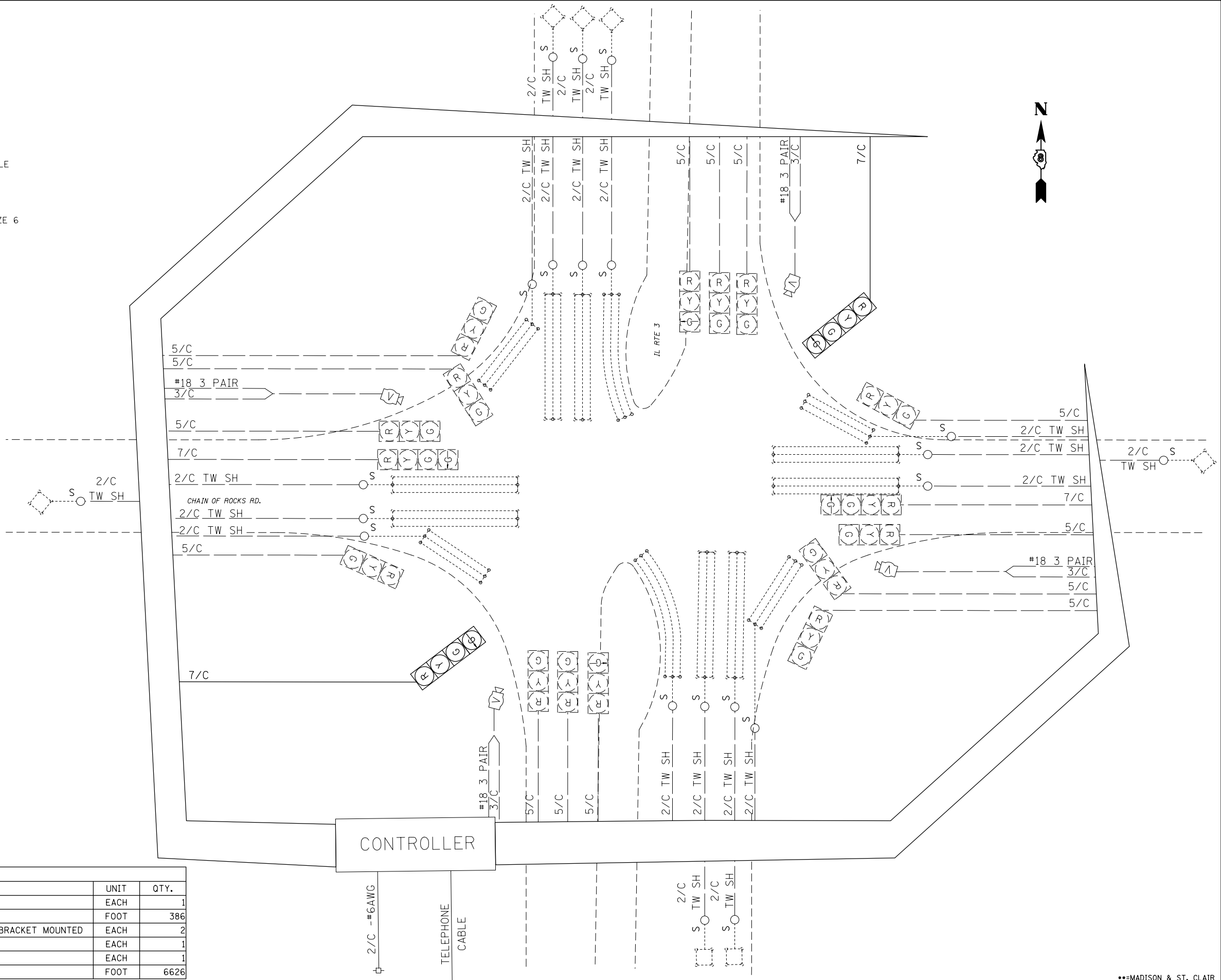
PHASE DESIGNATION DIAGRAM



MADISON & 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.
7010267	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	386
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	6626

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 3 & CHAIN OF ROCKS (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	70
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

***MADISON & ST. CLAIR

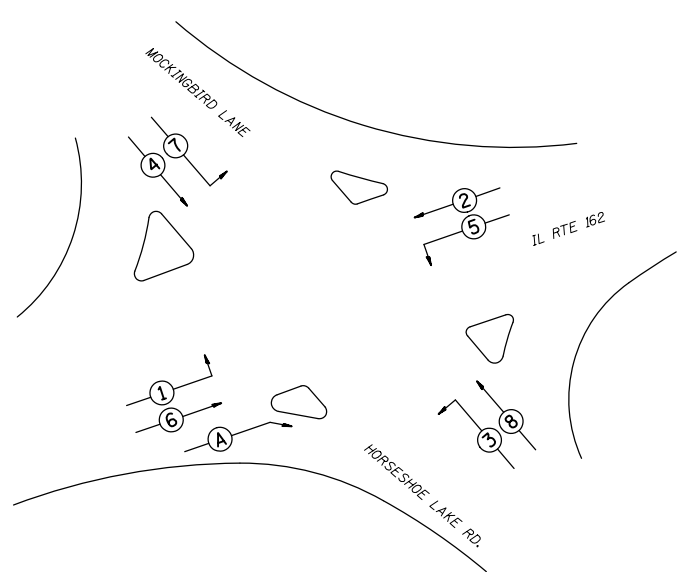
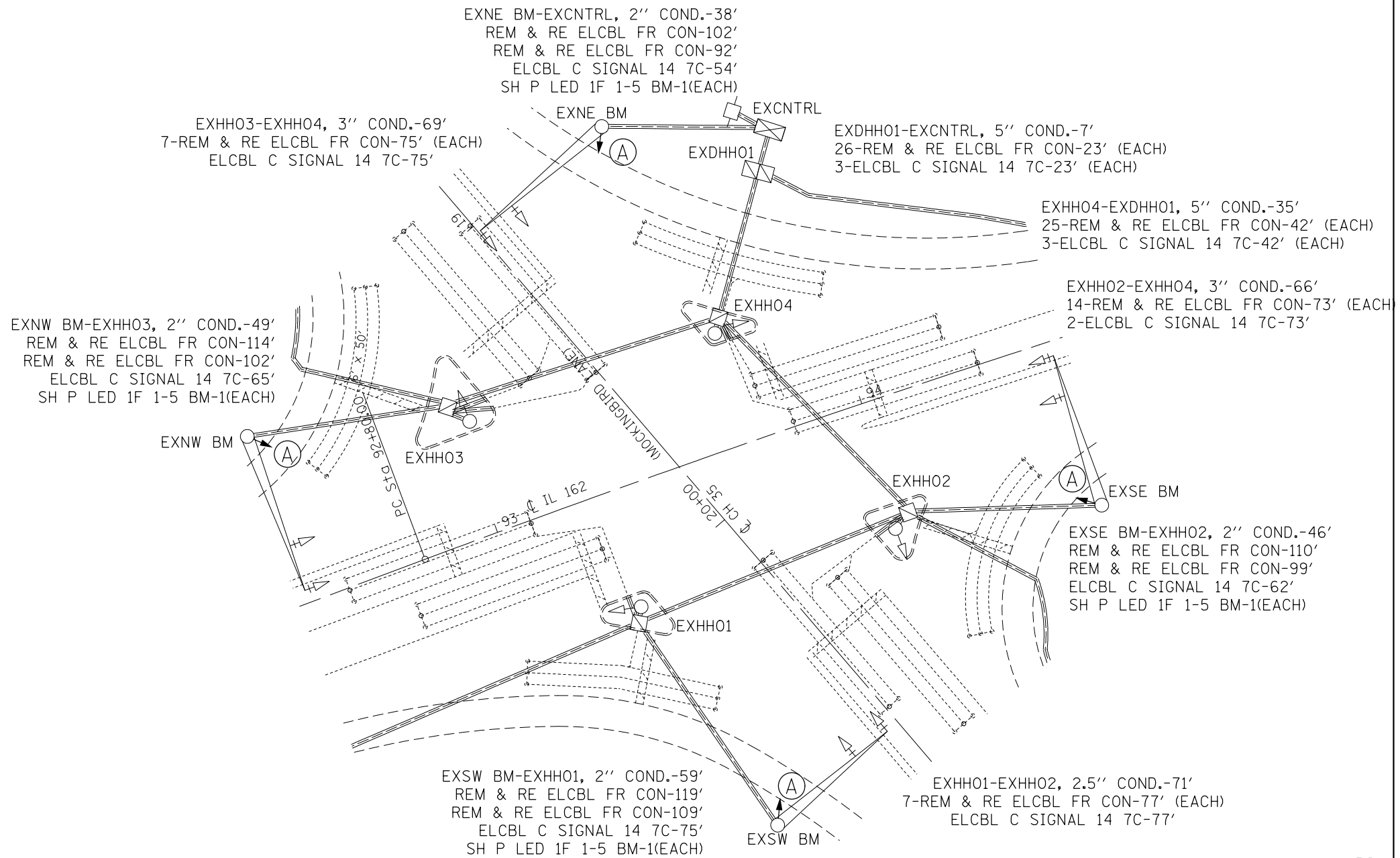
12"



EXISTING FULL-ACTUATED CONTROLLER									
EXISTING SEQUENCE OF OPERATION									
PHASE	1	2	3	4	5	6	7	8	OLA
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	3 OR 6

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES





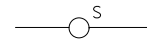
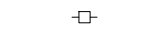
PHASE DESIGNATION DIAGRAM

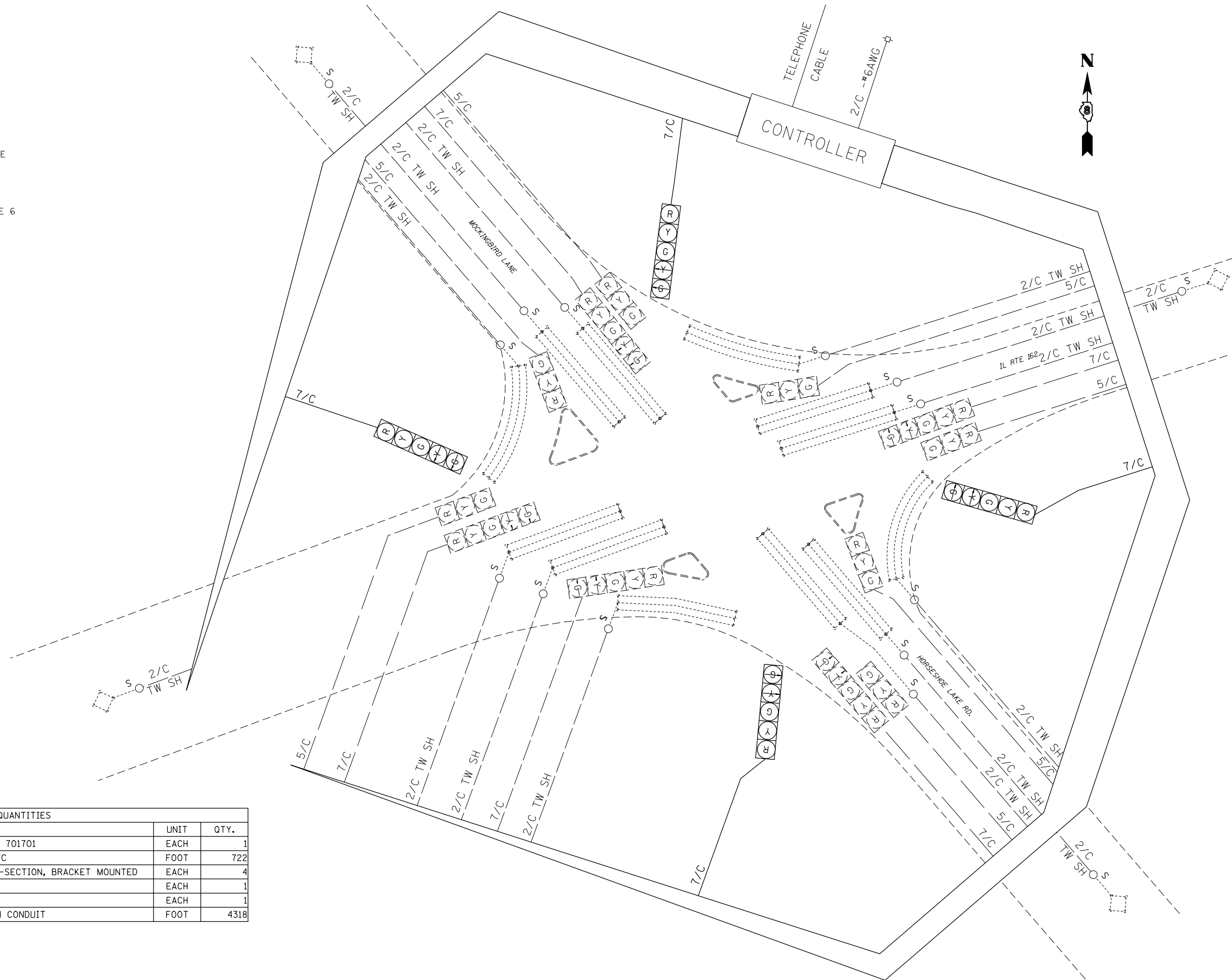


***MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 162 & MOCKINGBIRD (E OF GRANITE CITY, MADISON CNTY.) TRAFFIC SIGNAL PLAN	RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0876\DRAWING\data\EAD\sheet\0876J22-sht-tsplo	PLT SCALE = 33.3333 / in.	CHECKED -	REVISED -			•	DIST 8 TS 2017-1	**	136	73
PLT DATE = 10/21/2016	DATE -	REVISED -	REVISED -			•=VARIOUS	CONTRACT NO. 76J22			
						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
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	722
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 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	4318

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

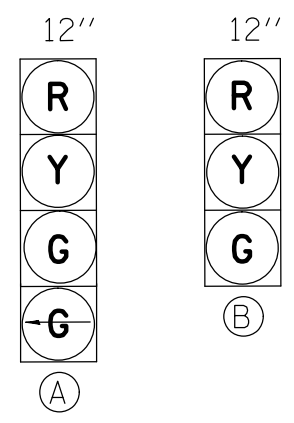
**IL 162 & MOCKINGBIRD (E OF GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	••	136	74
•=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

***MADISON & ST. CLAIR

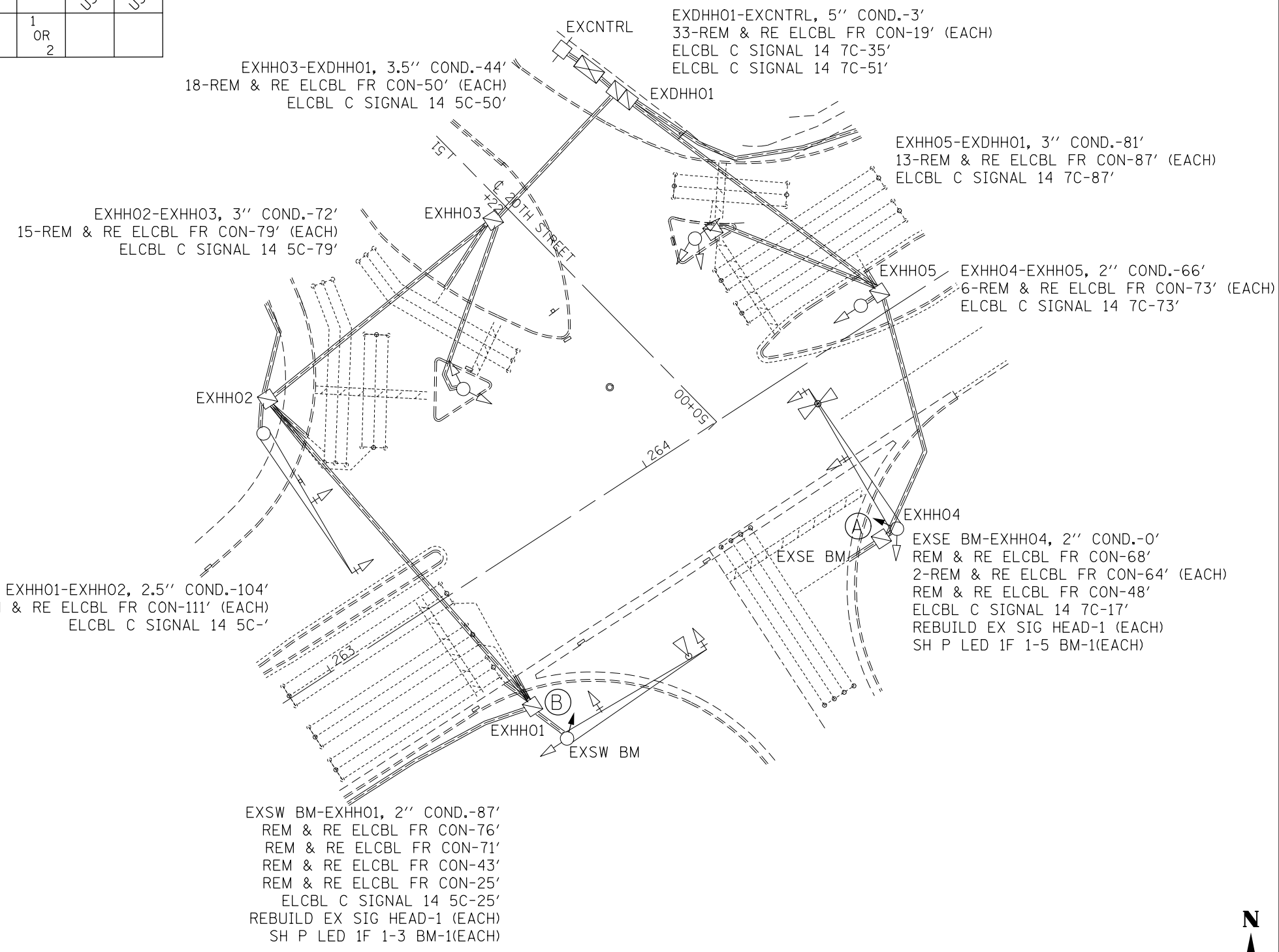
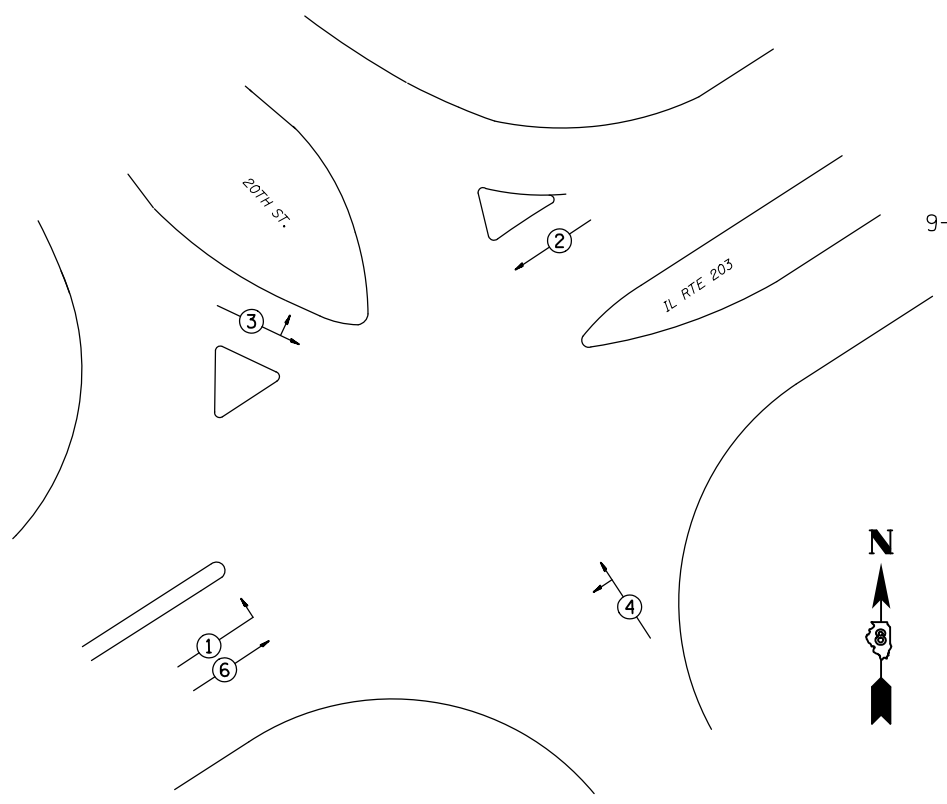
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



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	NONE	NONE		1 OR 2		



***MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 10/21/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

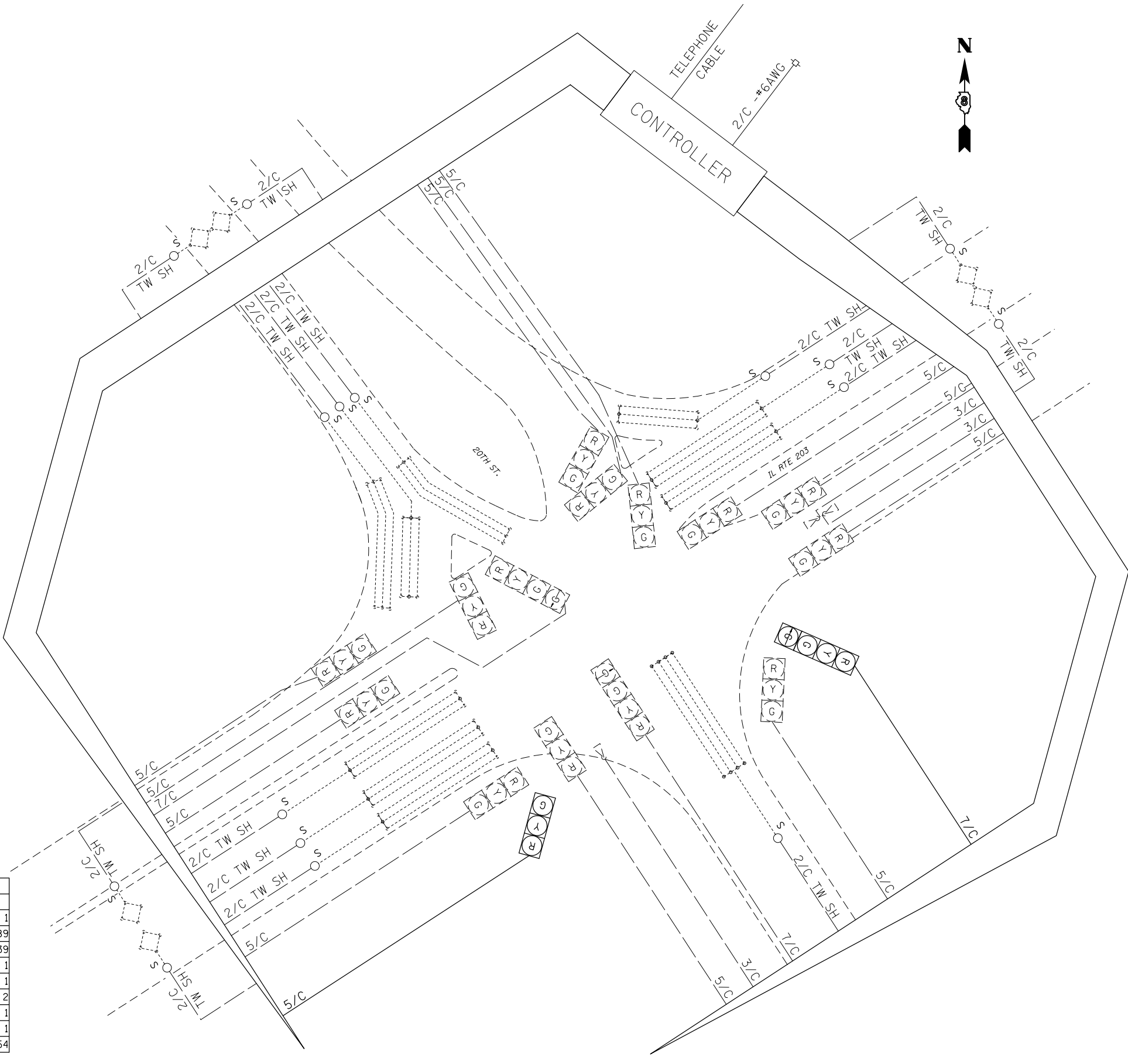
IL 203 & 20TH (GRANITE CITY, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	••	136	75
••=VARIOUS			CONTRACT NO. 76J22	
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	189
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	339
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
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	5754

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

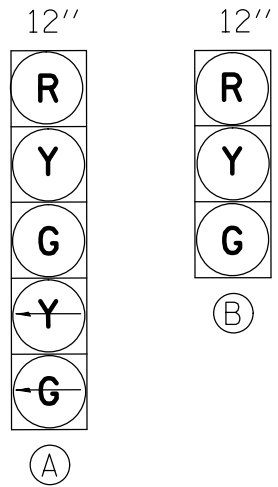
**IL 203 & 20TH (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

***MADISON & ST. CLAIR

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	76
•	VARIOUS			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 76J22	

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

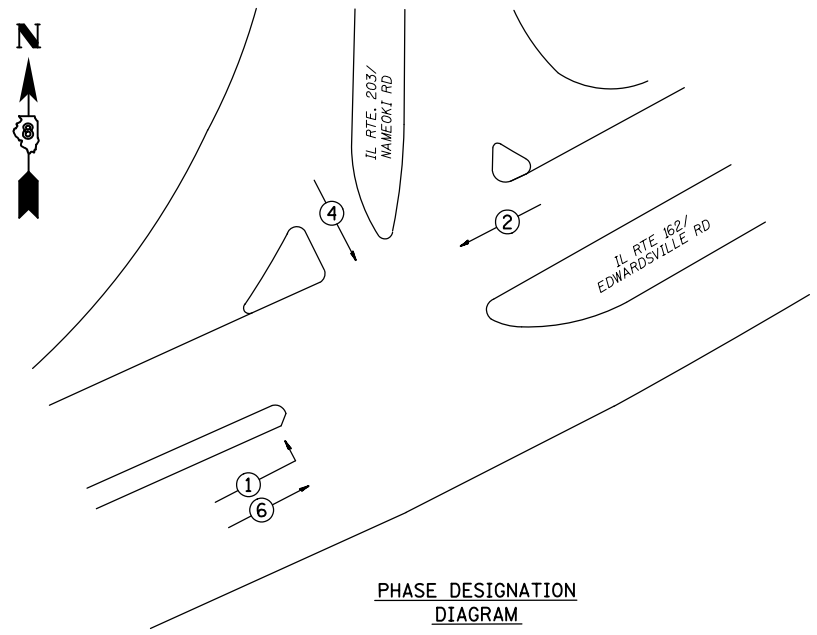
PHASE	1	2	3	4	5	6	7	8
MOVEMENT			NOT USED		NOT USED		NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	6	6		NONE		1 OR 2		

PRNE BM-EXHH01, 1.5" COND.-87'
 LOCATE UNDERGR CABLE-87'
 CONC MEDIAN SURF REM-6 SQ FT
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-87'
 DRILL EX HANDHOLE-1 (EACH)
 TS POST A 14-1 (EACH)
 ELCBL C SIGNAL 14 5C-103'
 ELCBL C SIGNAL 14 7C-103'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)
 CONC MEDIAN SURF 4-6 SQ FT

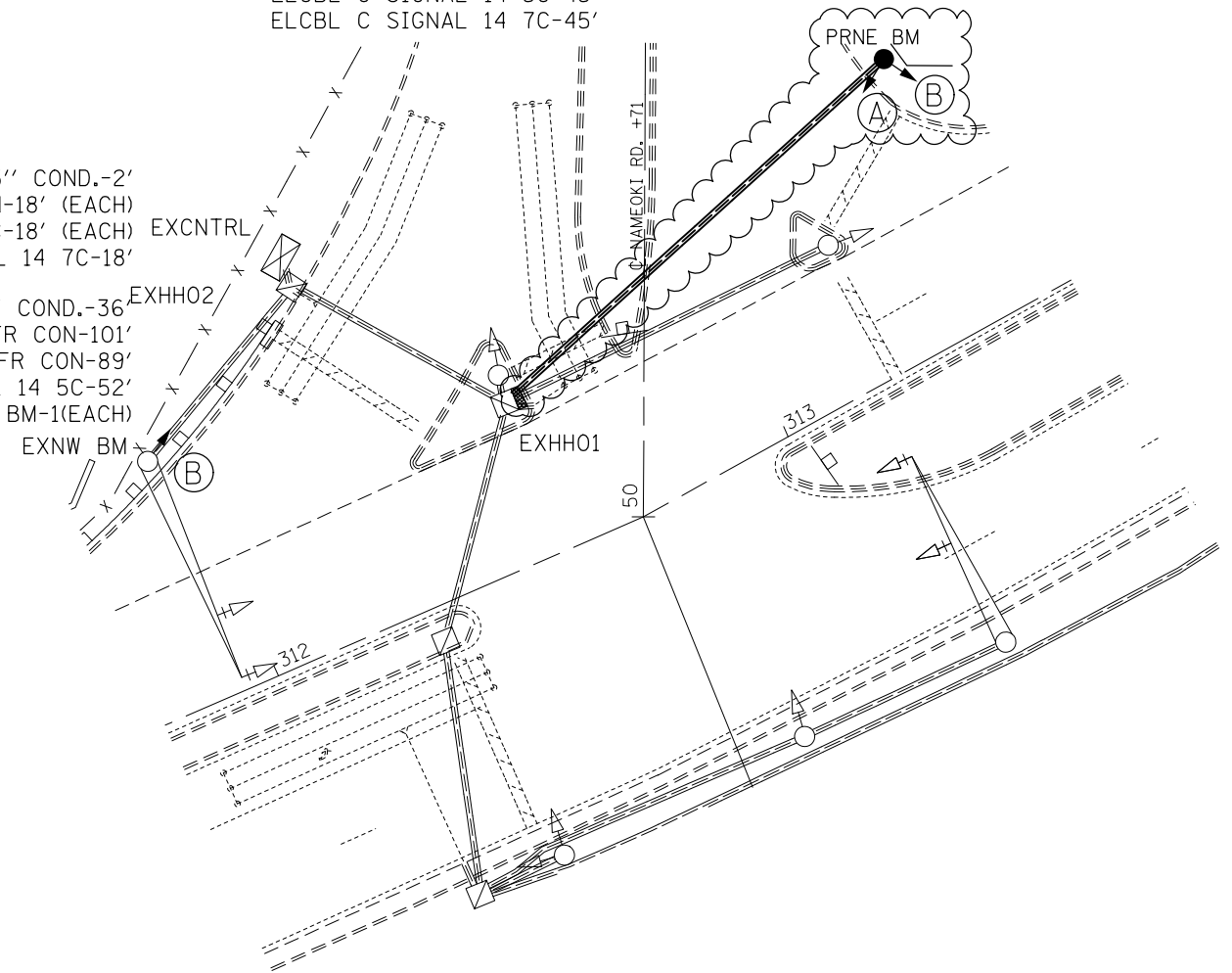
EXHH01-EXHH02, 3" COND.-39'
 10-REM & RE ELCBL FR CON-45' (EACH)
 ELCBL C SIGNAL 14 5C-45'
 ELCBL C SIGNAL 14 7C-45'

EXHH02-EXCNTRL, 5" COND.-2'
 13-REM & RE ELCBL FR CON-18' (EACH)
 2-ELCBL C SIGNAL 14 5C-18' (EACH)
 ELCBL C SIGNAL 14 7C-18'

EXNW BM-EXHH02, 1.25" COND.-36'
 REM & RE ELCBL FR CON-101'
 REM & RE ELCBL FR CON-89'
 ELCBL C SIGNAL 14 5C-52'
 SH P LED 1F 1-3 BM-1(EACH)



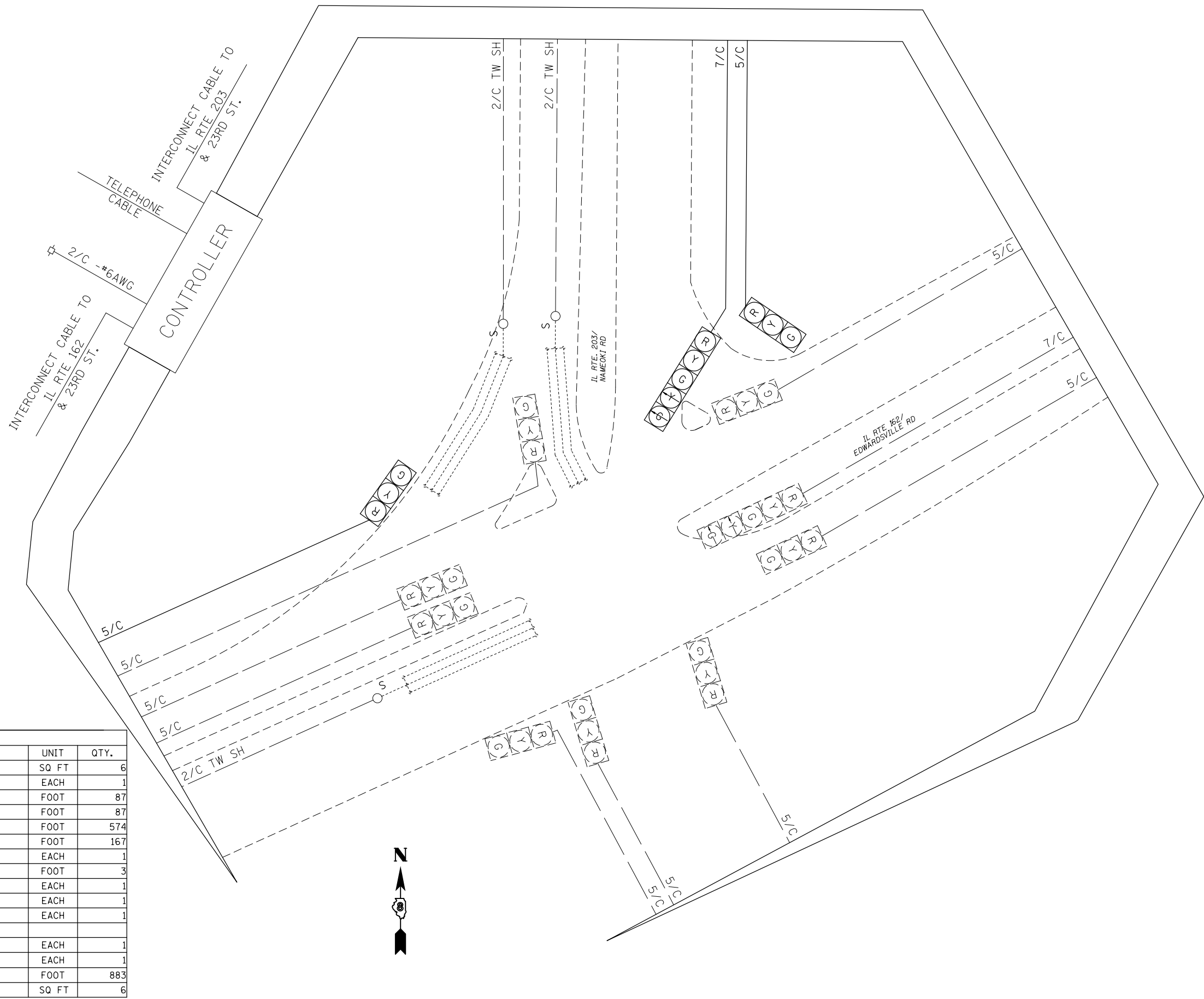
PHASE DESIGNATION DIAGRAM



***MADISON & 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.
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	6
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	87
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	87
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	574
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	167
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	883
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	6



FILE NAME = USER NAME = prestonme DESIGNED - REVISED -
 PLOT SCALE = 33.3333 ' / in. CHECKED - REVISED -
 PLOT DATE = 10/21/2016 DATE - REVISED -

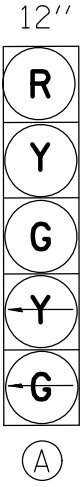
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 203 & IL 162 (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	••	136	78
* = VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

***MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



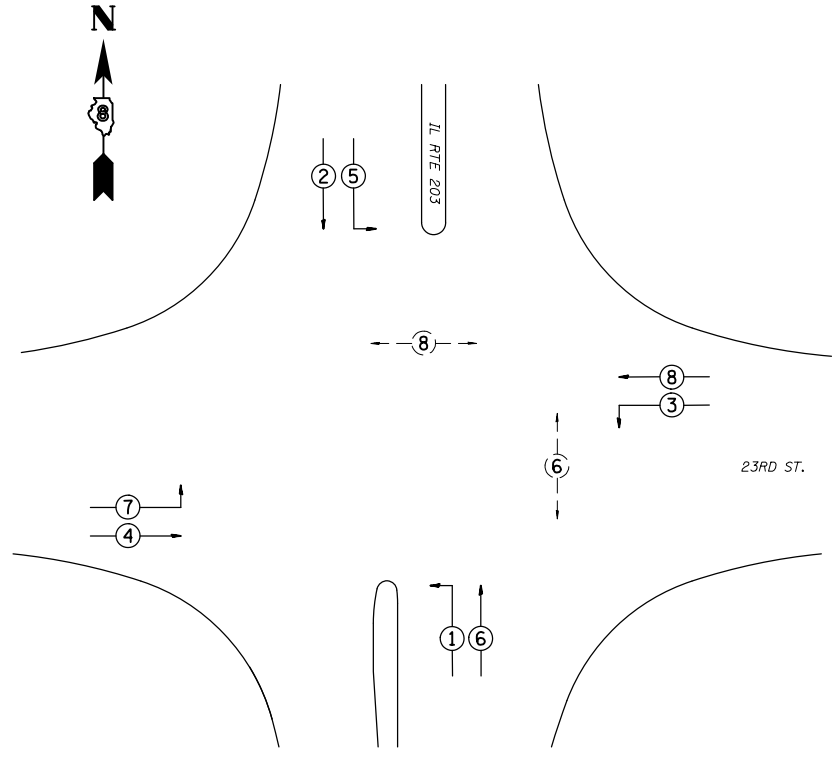
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6			1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH03, 2.5" COND.-1'
 REM & RE ELCBL FR CON-69'
 REM & RE ELCBL FR CON-47'
 REM & RE ELCBL FR CON-17'
 REM & RE ELCBL FR CON-10'
 ELCBL C SIGNAL 14 5C-17'
 ELCBL C SIGNAL 14 7C-17'
 SH P LED 2F 1-3 1-5 BM-1(EACH)

EXNE BM-EXHH01, 2.5" COND.-9'
 REM & RE ELCBL FR CON-78'
 REM & RE ELCBL FR CON-55'
 2-REM & RE ELCBL FR CON-25'(EACH)
 2-REM & RE ELCBL FR CON-18'(EACH)
 ELCBL C SIGNAL 14 5C-25'
 ELCBL C SIGNAL 14 7C-25'
 SH P LED 2F 1-3 1-5 BM-1(EACH)

EXHH03-EXDHH01, 2.5" COND.-89'
 7-REM & RE ELCBL FR CON-96' (EACH)
 ELCBL C SIGNAL 14 5C-96'
 ELCBL C SIGNAL 14 7C-96'

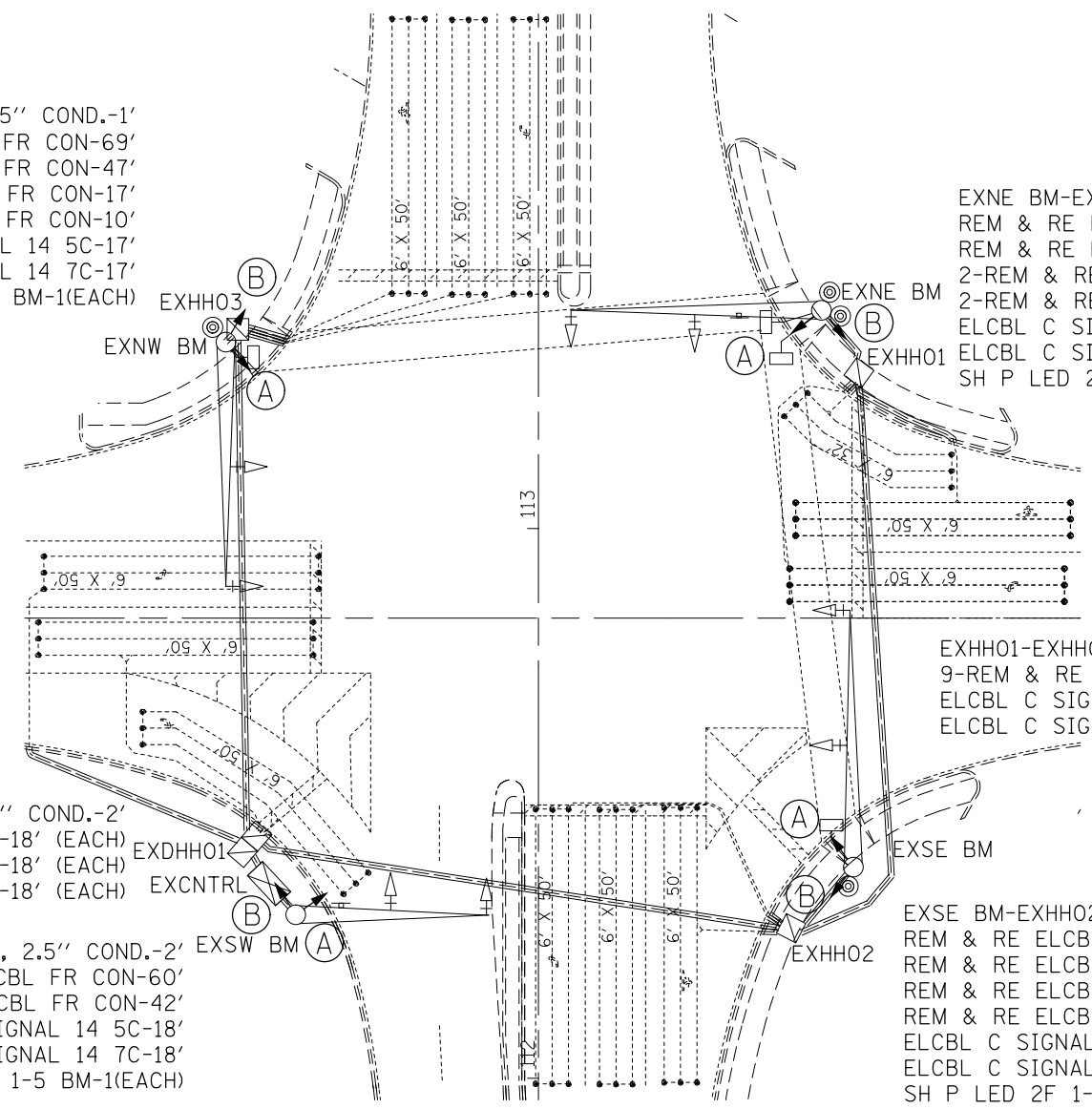
EXHH01-EXHH02, 2.5" COND.-109'
 9-REM & RE ELCBL FR CON-116'(EACH)
 ELCBL C SIGNAL 14 5C-116'
 ELCBL C SIGNAL 14 7C-116'

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

EXSE BM-EXHH02, 2.5" COND.-12'
 REM & RE ELCBL FR CON-81'
 REM & RE ELCBL FR CON-57'
 REM & RE ELCBL FR CON-28'
 REM & RE ELCBL FR CON-21'
 ELCBL C SIGNAL 14 5C-28'
 ELCBL C SIGNAL 14 7C-28'
 SH P LED 2F 1-3 1-5 BM-1(EACH)


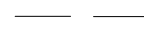
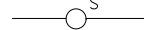
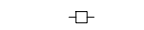
EXSW BM-EXCNTRL, 2.5" COND.-2'
 REM & RE ELCBL FR CON-60'
 REM & RE ELCBL FR CON-42'
 ELCBL C SIGNAL 14 5C-18'
 ELCBL C SIGNAL 14 7C-18'
 SH P LED 2F 1-3 1-5 BM-1(EACH)

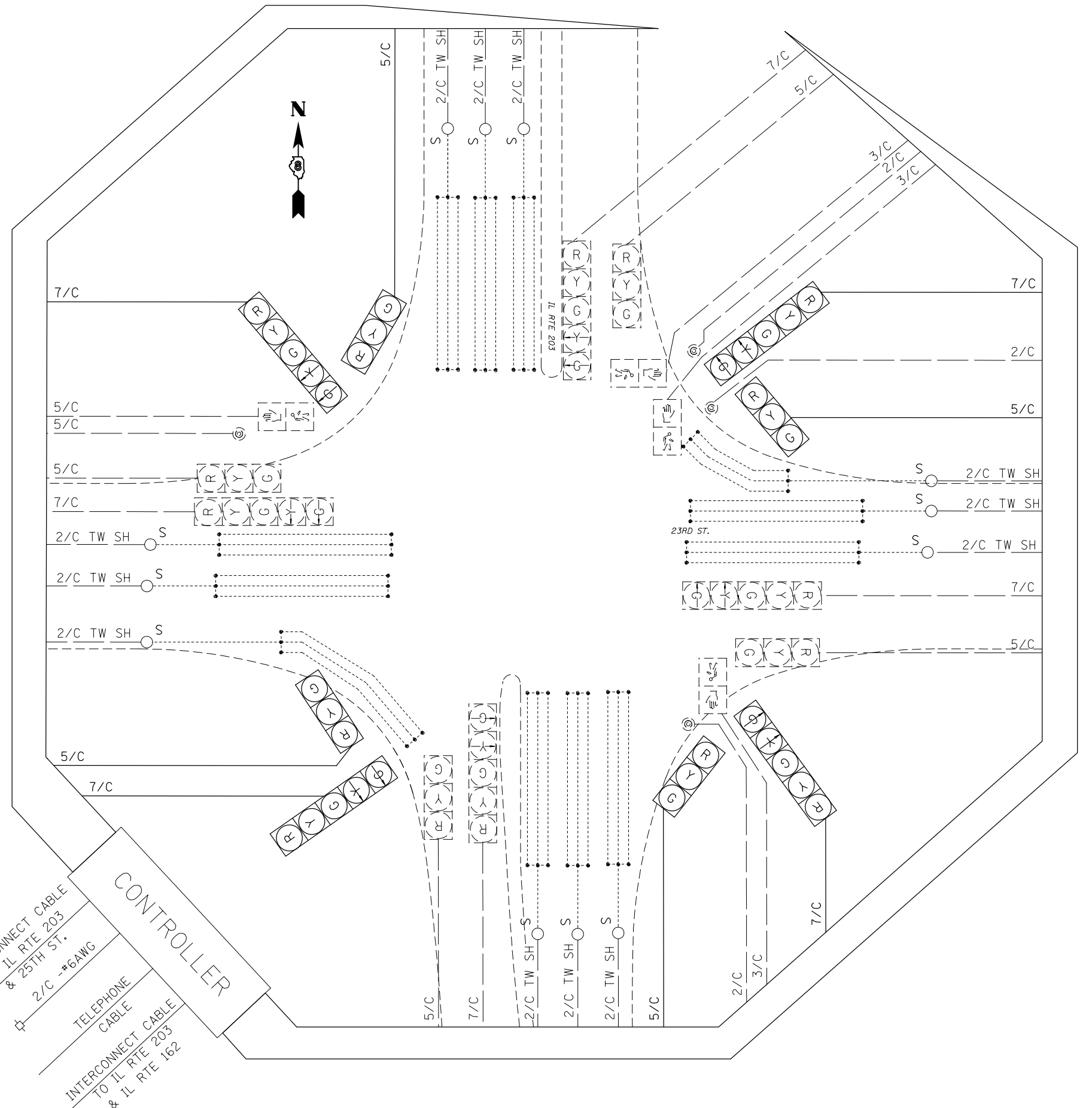
EXHH02-EXDHH01, 3" COND.-95'
 16-REM & RE ELCBL FR CON-102'(EACH)
 2-ELCBL C SIGNAL 14 5C-102'(EACH)
 2-ELCBL C SIGNAL 14 7C-102'(EACH)



MADISON & ST. CLAIR

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	557
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	557
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	4348

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

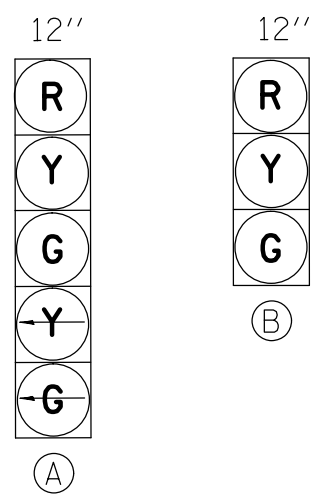
**IL 203 & 23RD (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	80
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

***MADISON & ST. CLAIR

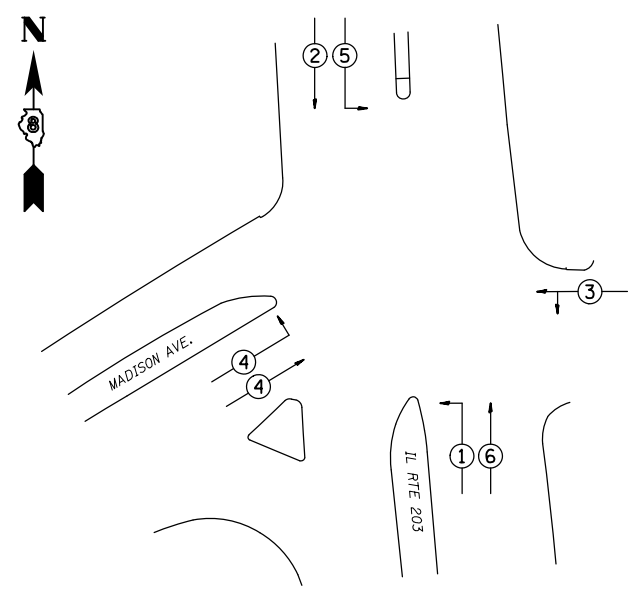
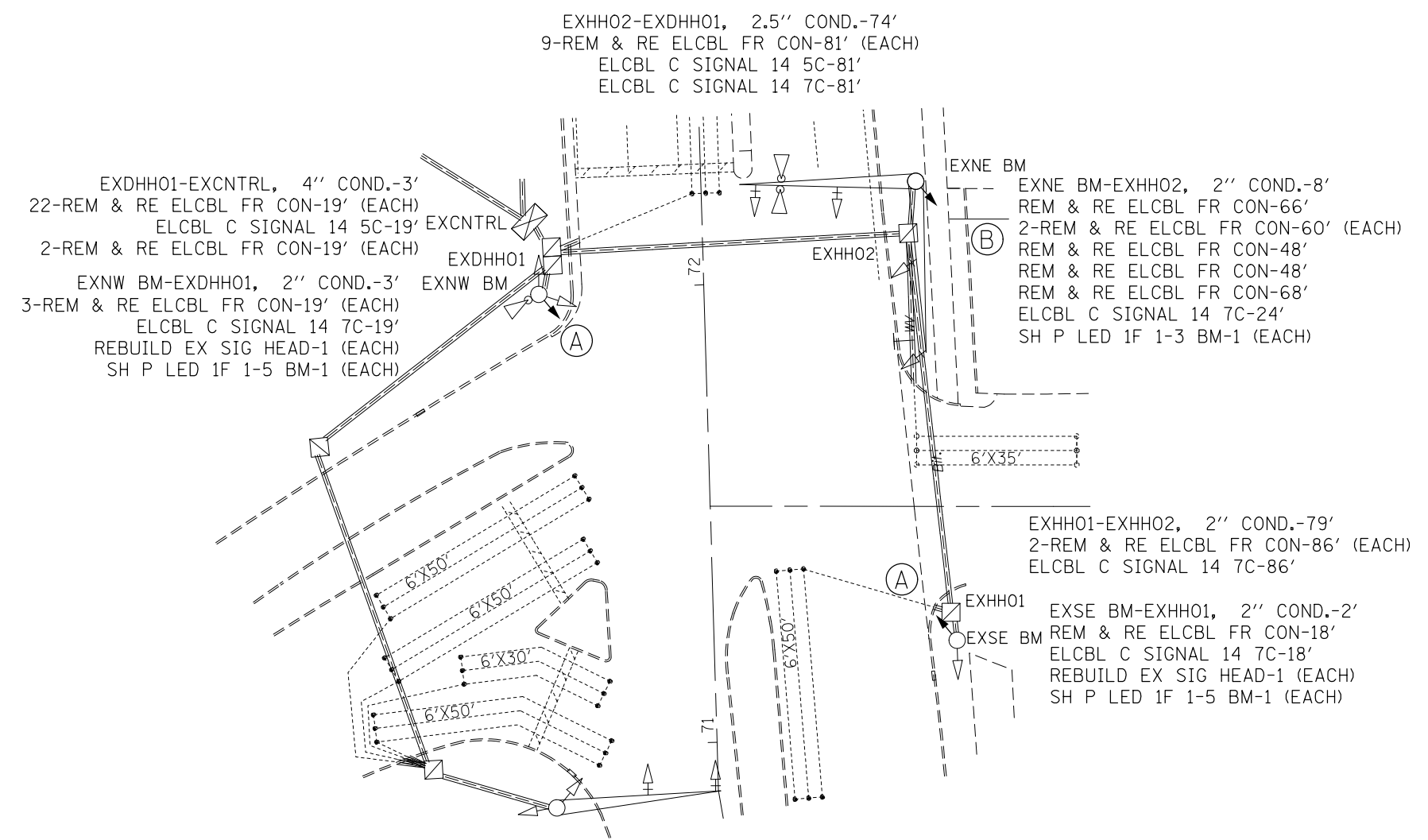
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



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		



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 10/21/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



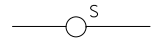

IL 203 & MADISON (GRANITE CITY, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

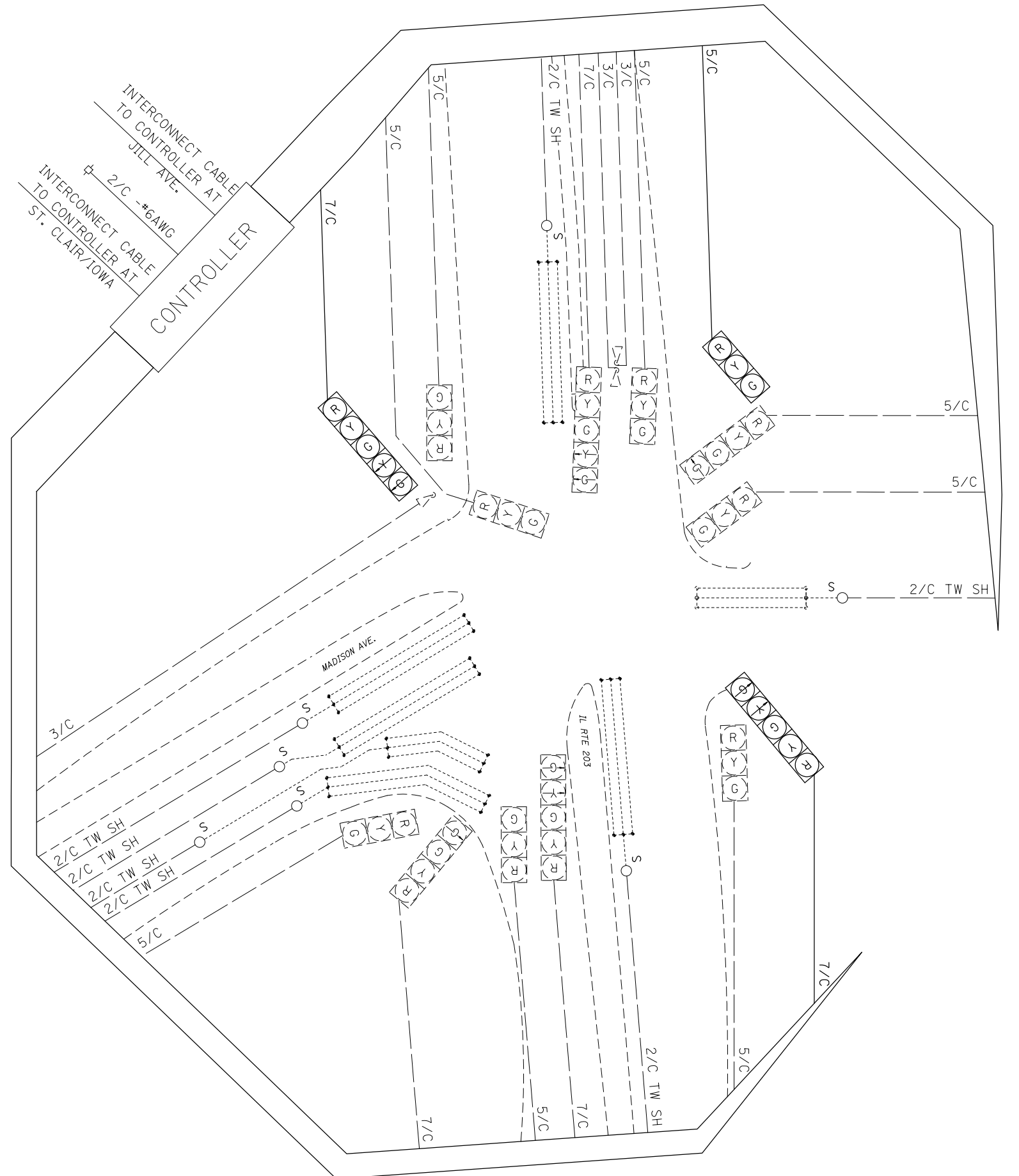
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	81
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

***MADISON & ST. CLAIR

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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	99
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	346
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	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1741

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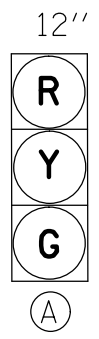
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 203 & MADISON (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

		***MADISON & ST. CLAIR	
RE.	SECTION	COUNTY	TOTAL SHEETS SHEET NO.
•	DIST 8 TS 2017-1	**	136 82
•=VARIOUS		CONTRACT NO. 76J22	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



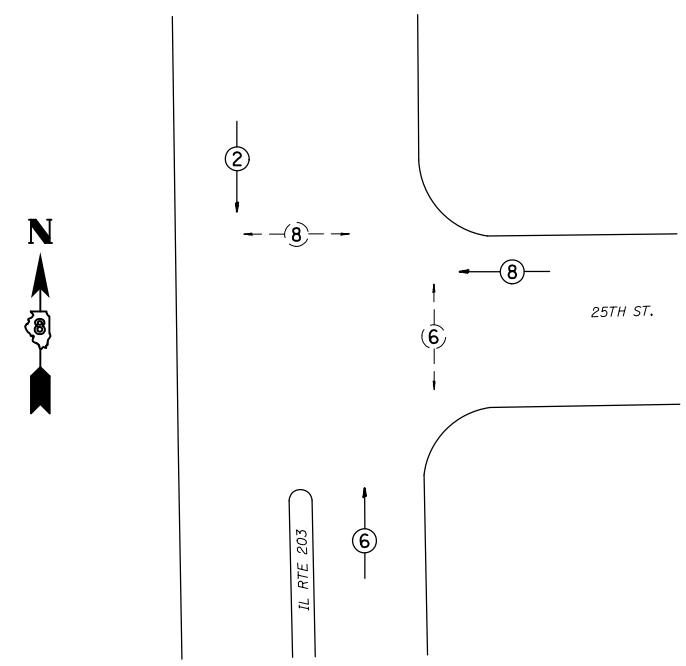
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

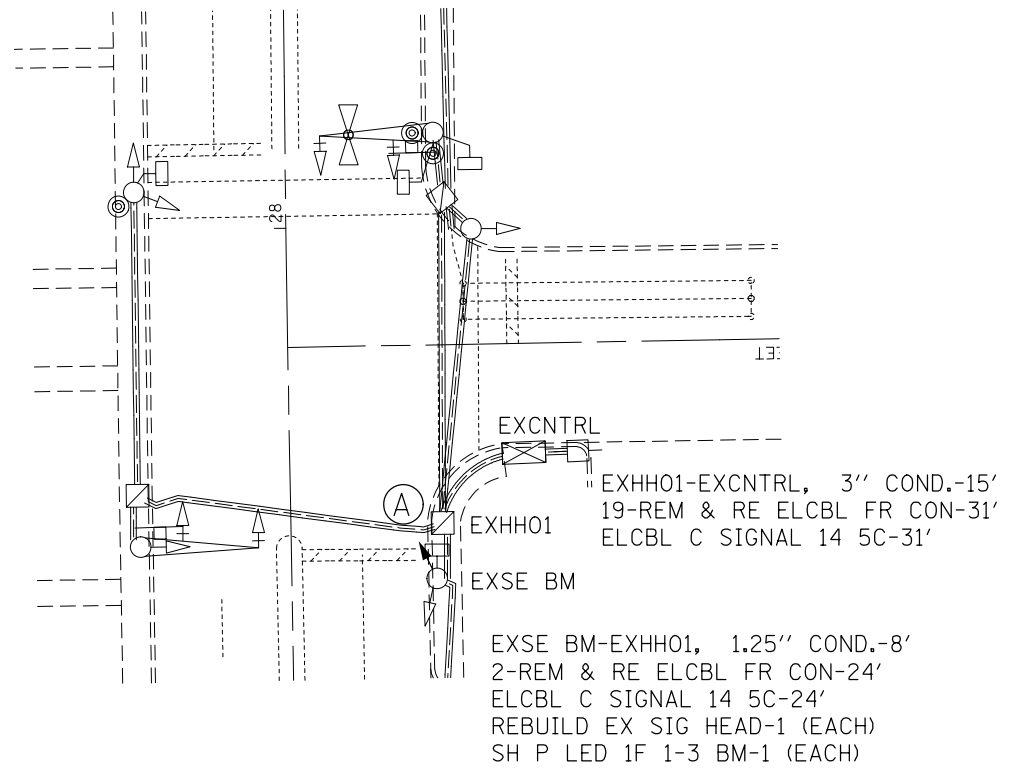
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	↓	NOT USED	NOT USED	NOT USED	↑↑*	NOT USED	* ←
CONCURRENT MOVEMENT PERMITTED		6				6		NONE

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



***MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
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	PLOT DATE = 10/21/2016	DATE -	REVISED -



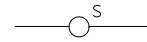

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

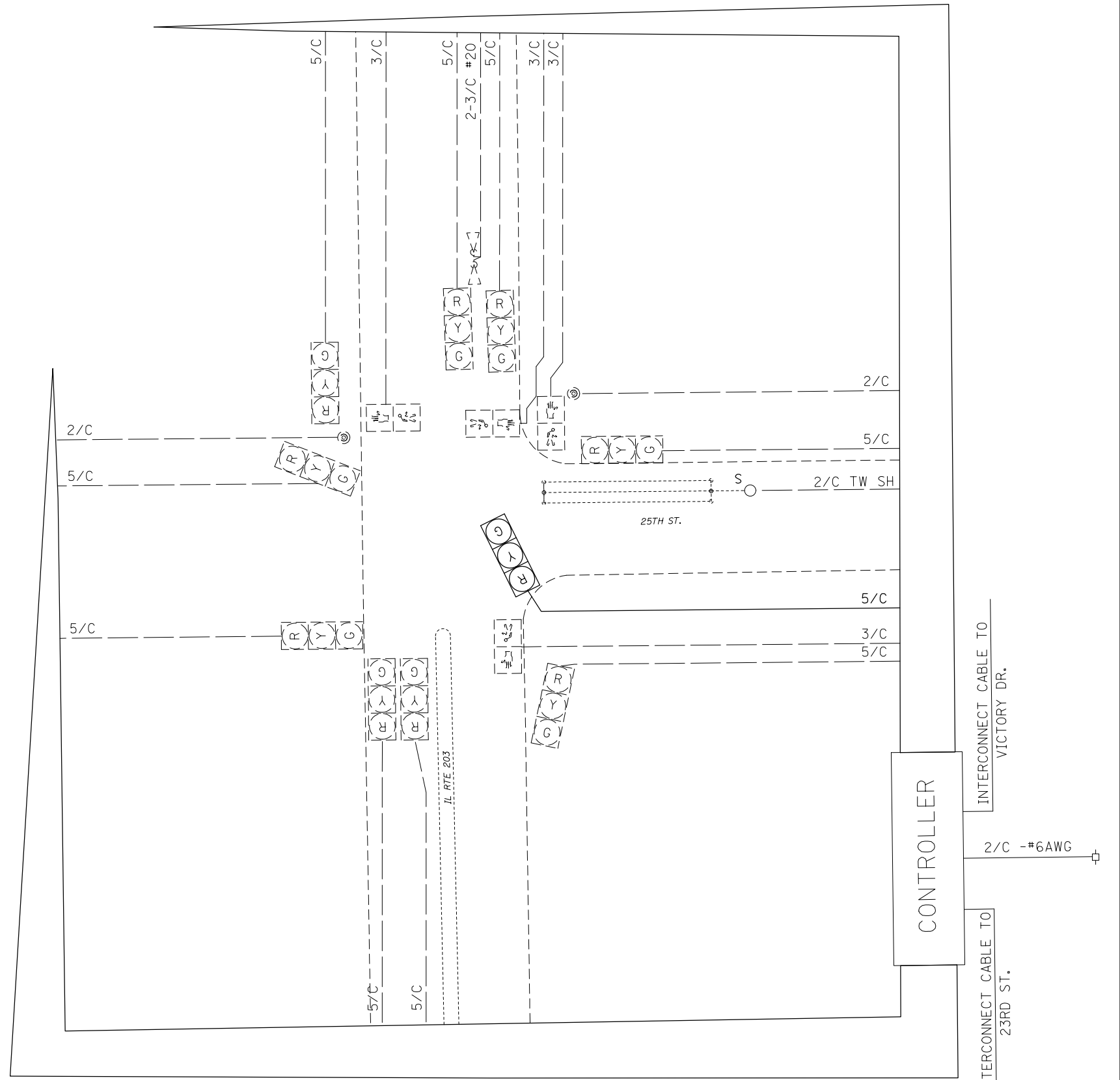
IL 203 & 25TH (GRANITE CITY, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	83
**=VARIOUS			CONTRACT NO. 76J22	
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	54
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-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	629

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

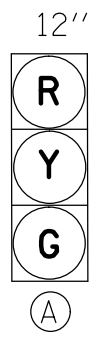
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 203 & 25TH (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	84
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

***MADISON & ST. CLAIR



EXISTING FULL-ACTUATED CONTROLLER

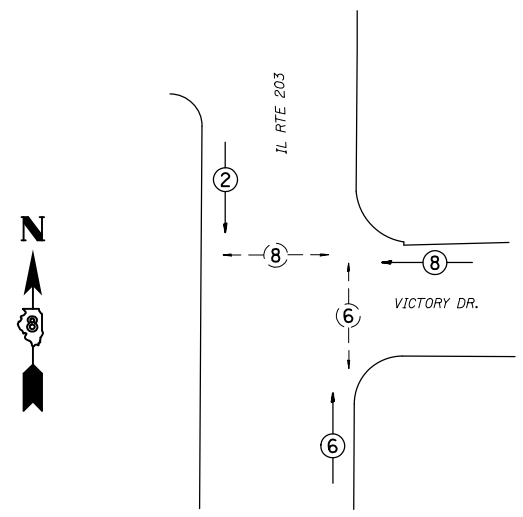
EXISTING SEQUENCE OF OPERATION

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

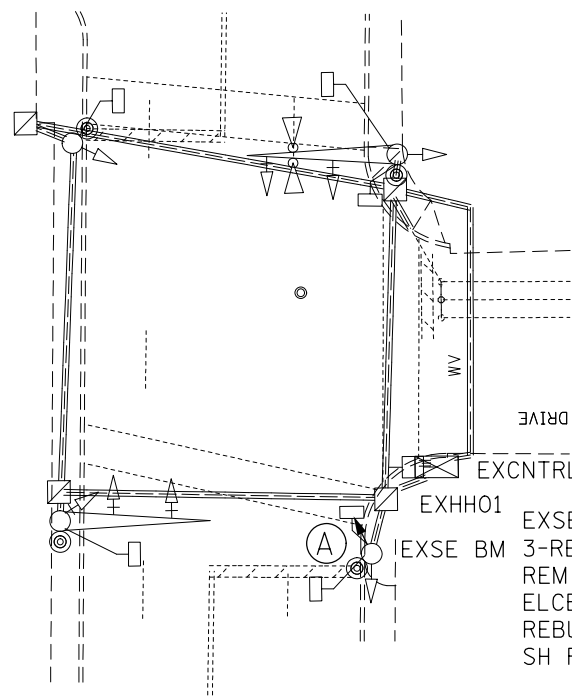
* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



EXHH01-EXCNTRL, 3.5'' COND.-5'
 16-REM & RE ELCBL FR CON-21' (EACH)
 ELCBL C SIGNAL 14 5C-21'

EXCNTRL

EXHH01

EXSE BM-EXHH01, 1.5'' COND.-6'
 3-REM & RE ELCBL FR CON-22' (EACH)
 REM & RE ELCBL FR CON-15'
 ELCBL C SIGNAL 14 5C-22'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-3 BM-1 (EACH)



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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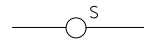

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

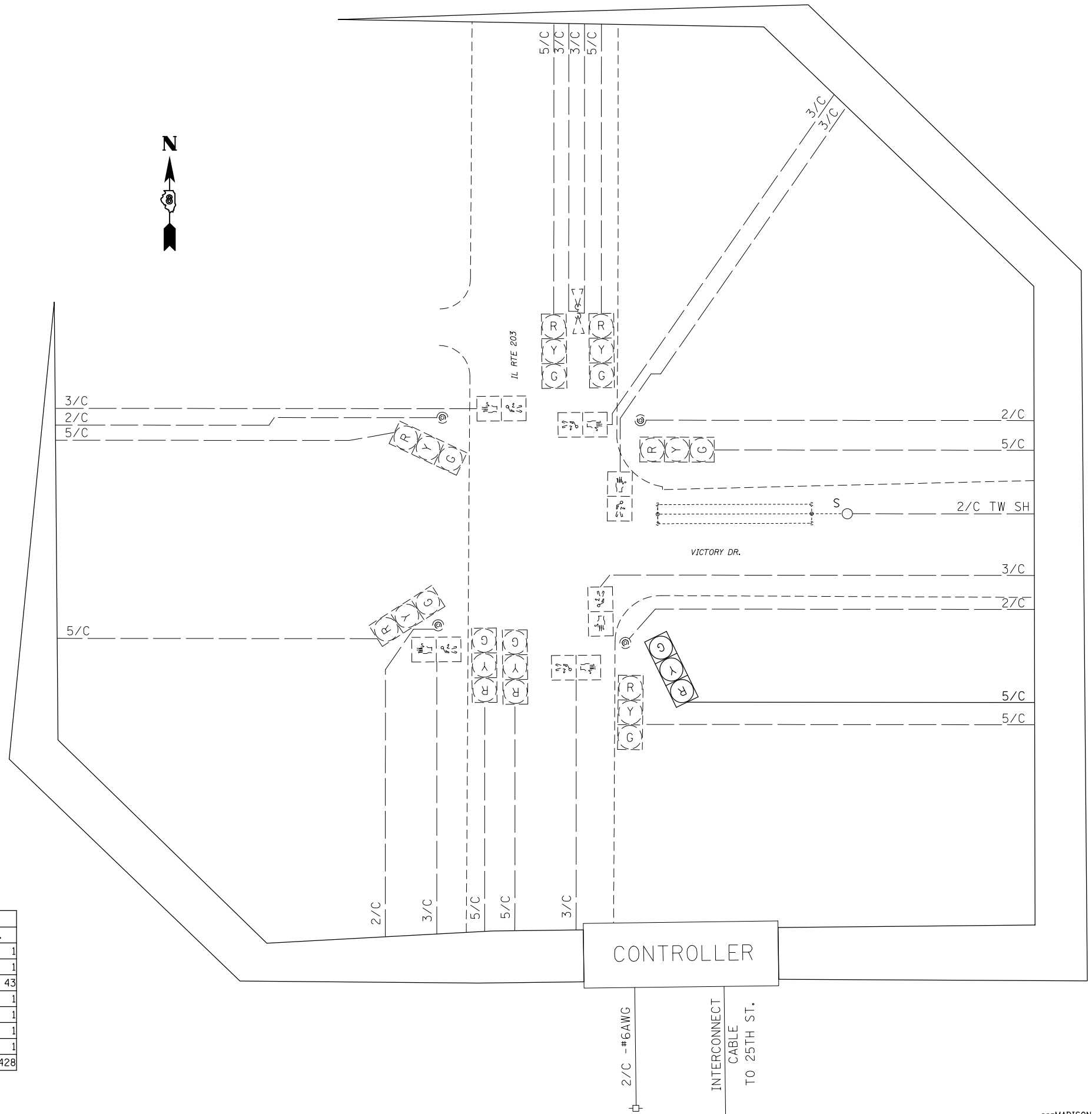
IL 203 & VICTORY (GRANITE CITY, MADISON CNTY.)			
TRAFFIC SIGNAL PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	85
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**=MADISON & ST. CLAIR

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	43
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-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	428

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	PLOT DATE = 10/21/2016		

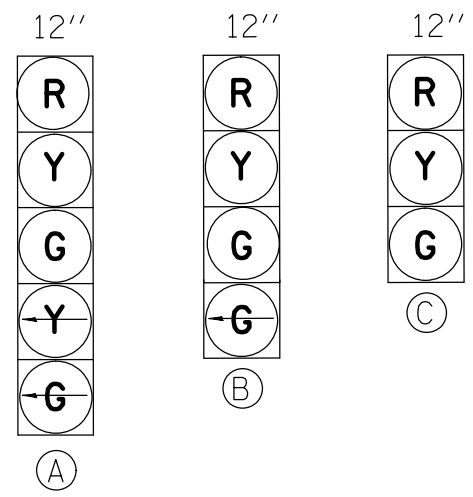
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 203 & VICTORY (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

***MADISON & ST. CLAIR	
RTE.	SECTION
•	DIST 8 TS 2017-1
•=VARIOUS	CONTRACT NO. 76J22
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
COUNTY	TOTAL SHEETS
••	136
SHEET NO.	86

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

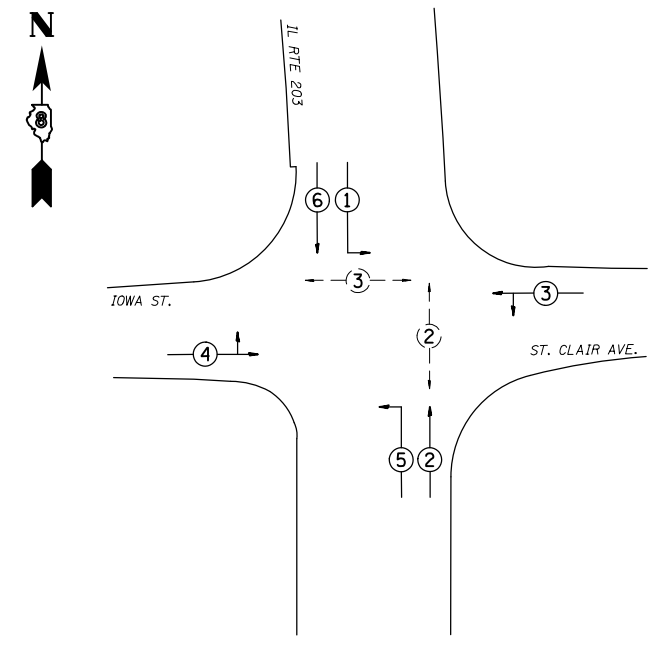


PROPOSED TRAFFIC SIGNAL FACES

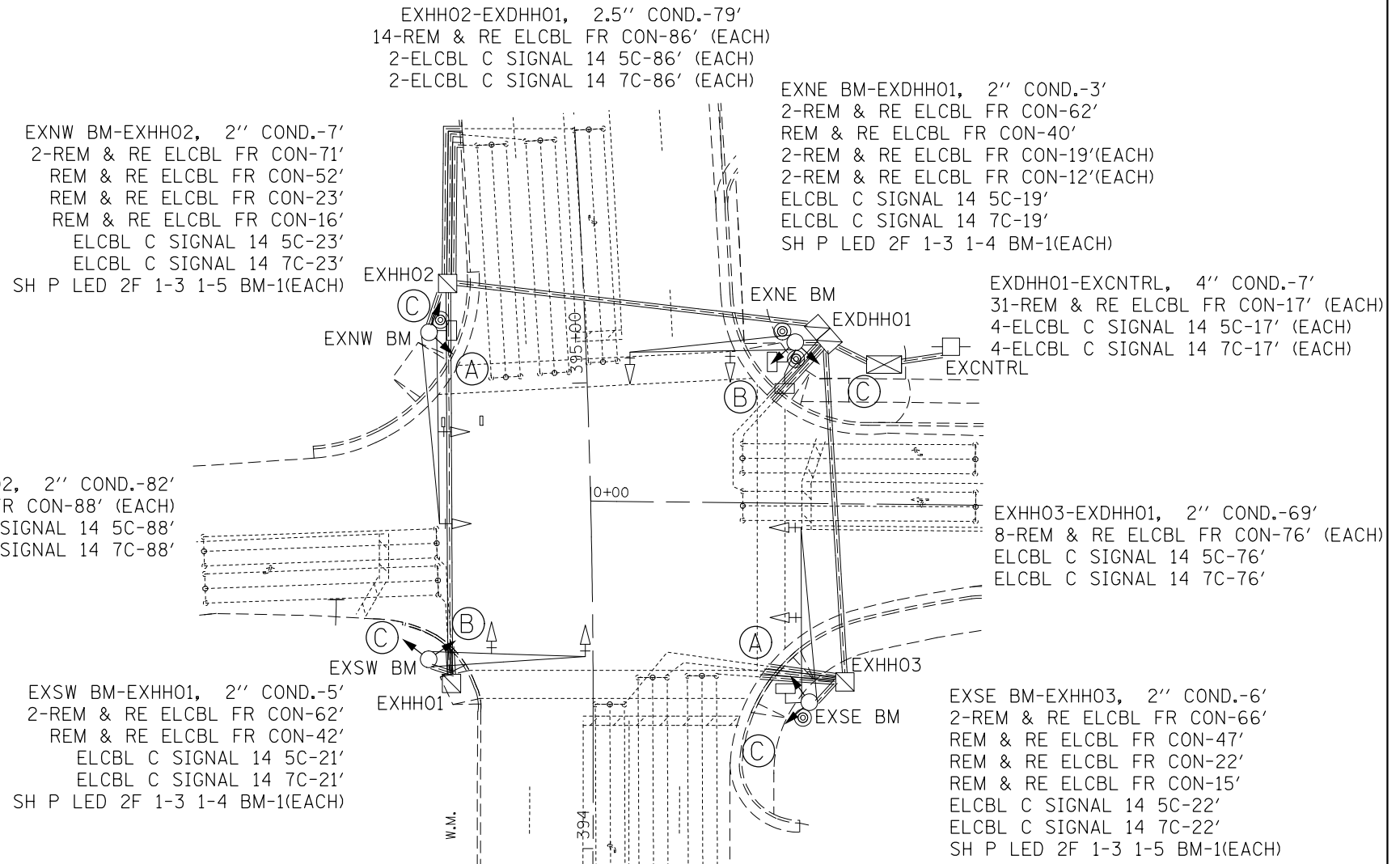
EXISTING FULL-ACTUATED CONTROLLER

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



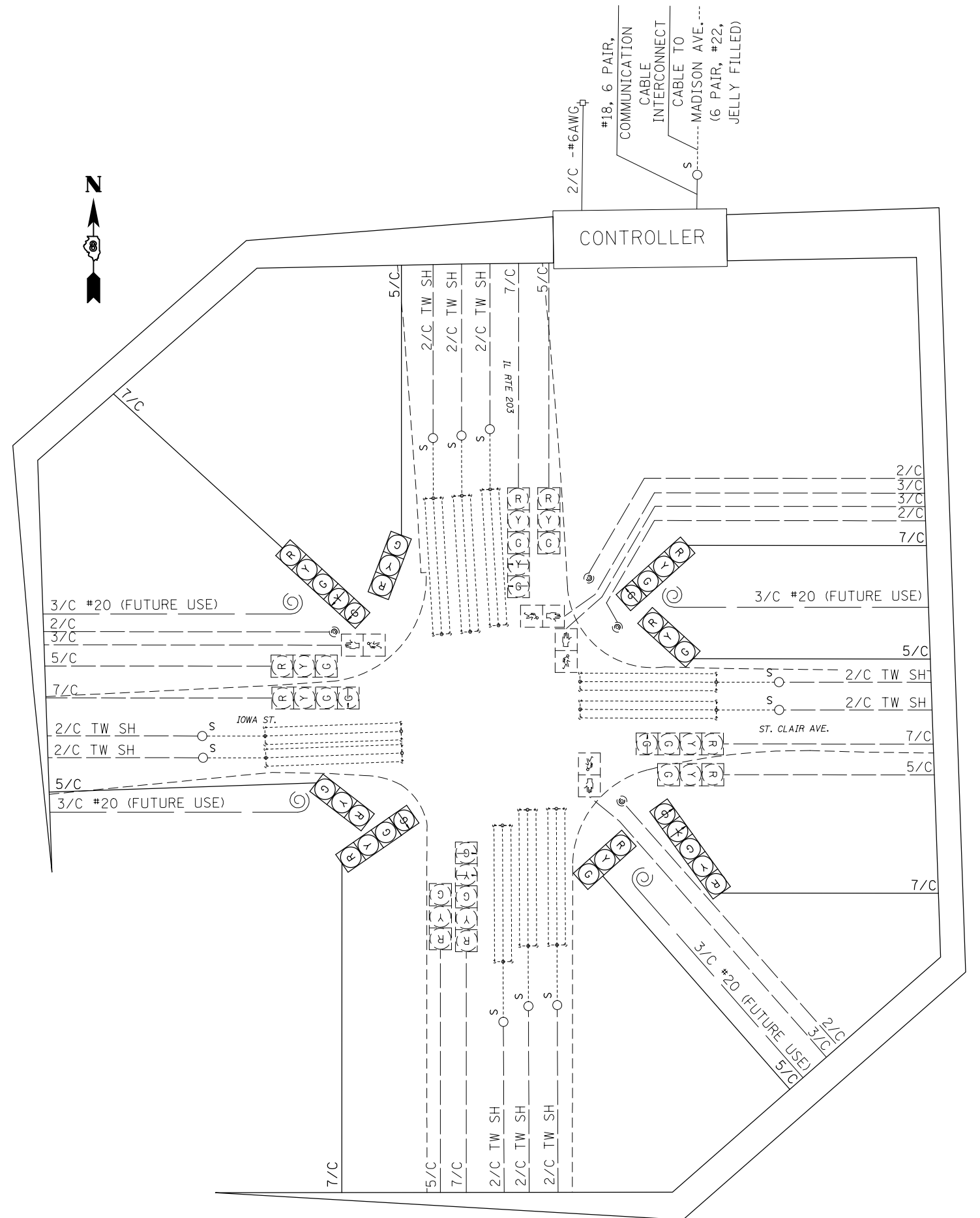
PHASE DESIGNATION DIAGRAM



***MADISON & 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.
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	465
8730125	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	465
8804025	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
8804026	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
8950220	MODIFY EXISTING CONTROLLER	EACH	1
8950221	MODIFY EXISTING CONTROLLER CABINET	EACH	1
8950235	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3376

***MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 10/21/2016	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 203 & ST CLAIR IOWA (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	88
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"



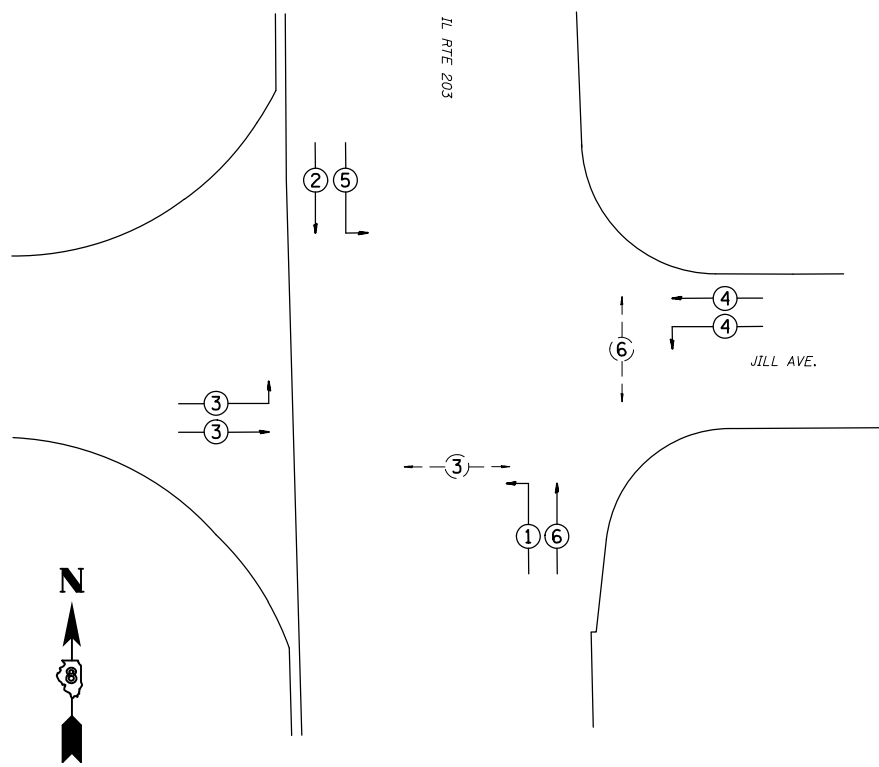
EXISTING FULL-ACTUATED CONTROLLER

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	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

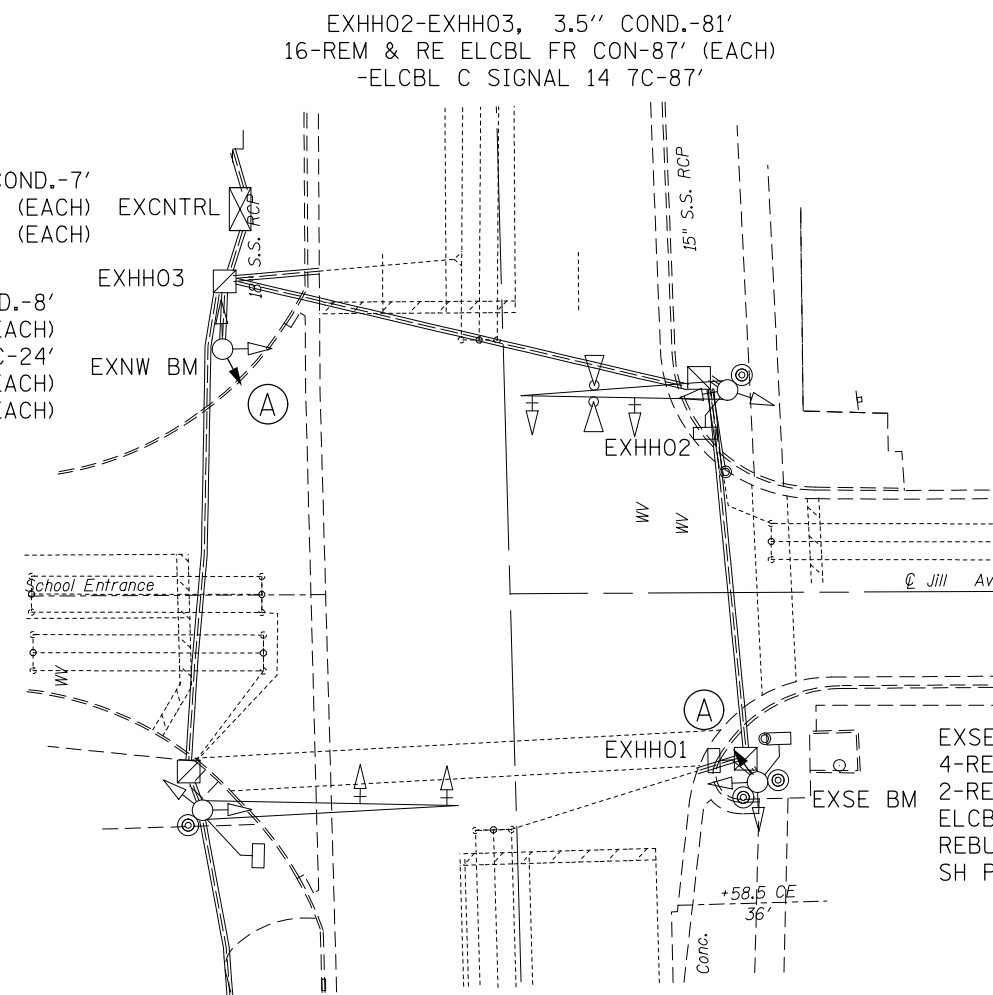
PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

EXHH03-EXCNTRL, 5" COND.-7'
28-REM & RE ELCBL FR CON-23' (EACH)
2-ELCBL C SIGNAL 14 7C-23' (EACH)

EXNW BM-EXHH03, 2" COND.-8'
2-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)



EXHH02-EXHH03, 3.5" COND.-81'
16-REM & RE ELCBL FR CON-87' (EACH)
-ELCBL C SIGNAL 14 7C-87'

EXHH01-EXHH02, 2.5" COND.-62'
7-REM & RE ELCBL FR CON-69' (EACH)
ELCBL C SIGNAL 14 7C-69'

EXSE BM-EXHH01, 2" COND.-1'
4-REM & RE ELCBL FR CON-17' (EACH)
2-REM & RE ELCBL FR CON-10' (EACH)
ELCBL C SIGNAL 14 7C-17'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-5 BM-1 (EACH)



***MADISON & ST. CLAIR

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 10/21/2016	DATE -	REVISED -



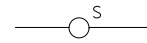

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 203 & JILL (GRANITE CITY, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

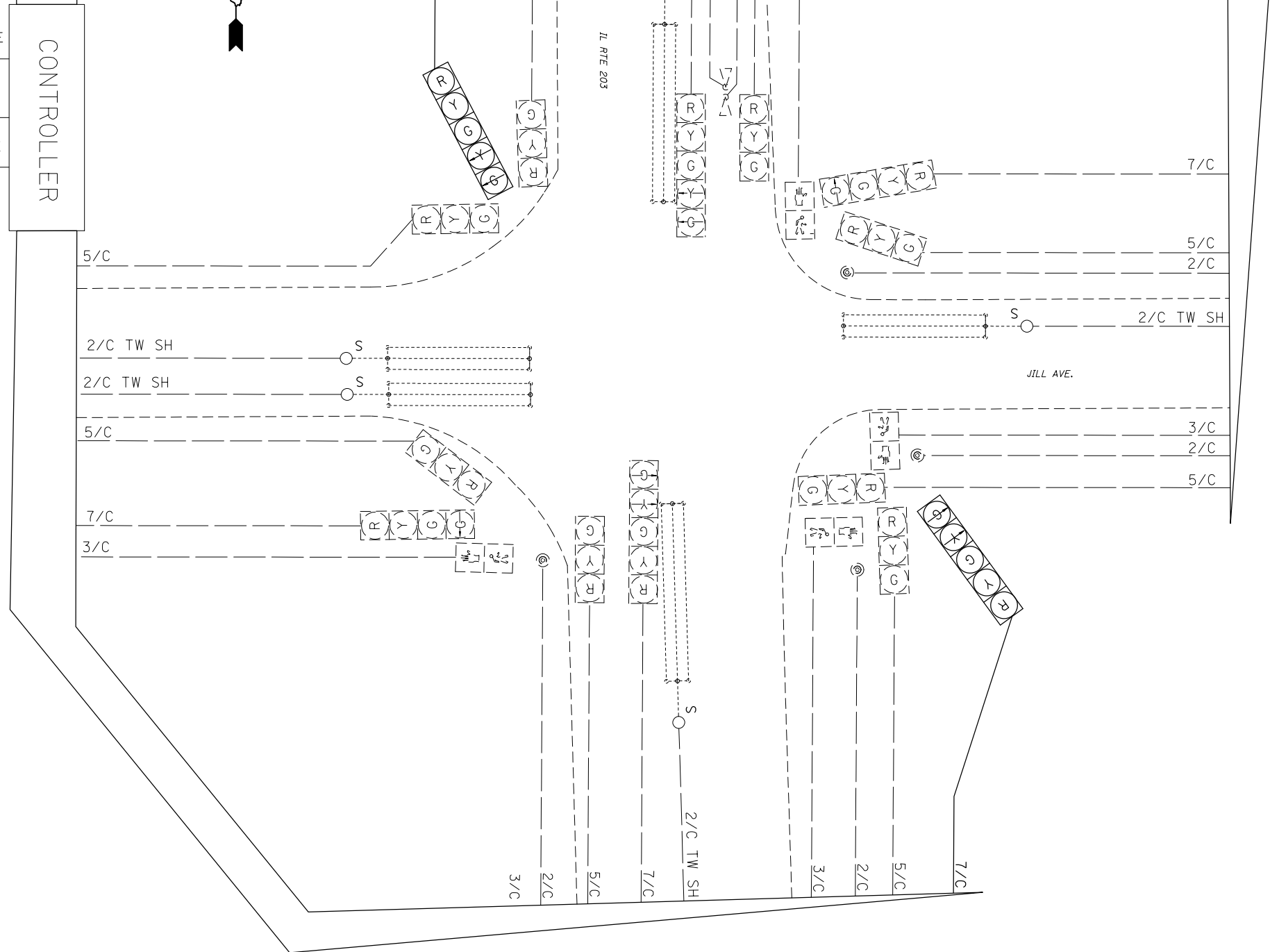
SCALE: SHEET NO. OF SHEETS STA. TO STA.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	89
**=VARIOUS			CONTRACT NO. 76J22	
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

INTERCONNECT CABLE TO CONTROLLER AT MADISON AVE.
 2/C -#6AWG
 INTERCONNECT CABLE TO CONTROLLER AT JOHNSON RD./ FEHLING RD.



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	219
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2613

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	PLOT DATE = 10/21/2016		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

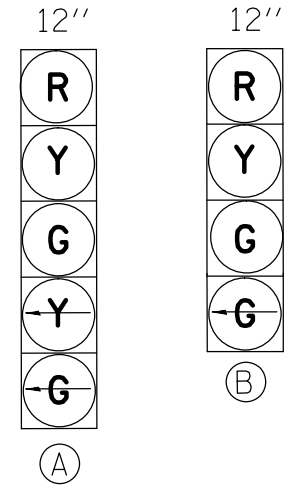
IL 203 & JILL (GRANITE CITY, MADISON CNTY.)
 WIRING DIAGRAM

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	••	136	90
•=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••=MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



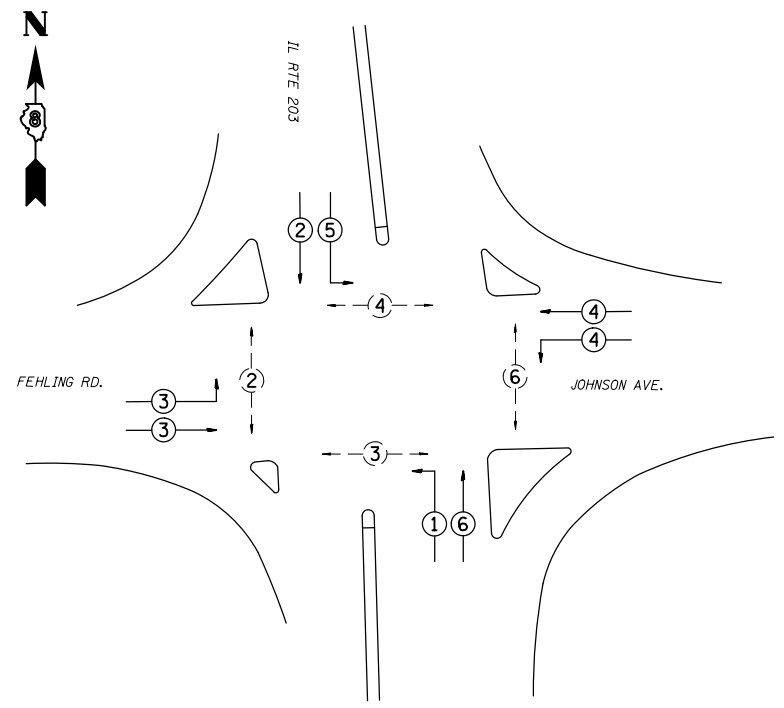
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH01, 2" COND.-3'
 3-REM & RE ELCBL FR CON-19' (EACH)
 2-REM & RE ELCBL FR CON-12' (EACH)
 ELCBL C SIGNAL 14 7C-19'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH01-EXHH02, 2" COND.-57'
 9-REM & RE ELCBL FR CON-64' (EACH)
 ELCBL C SIGNAL 14 7C-64'

EXSW BM-EXHH02, " COND.-3'
 3-REM & RE ELCBL FR CON-19' (EACH)
 2-REM & RE ELCBL FR CON-12' (EACH)
 ELCBL C SIGNAL 14 7C-19'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-4 BM-1 (EACH)

EXHH02-EXHH04, 2" COND.-73'
 20-REM & RE ELCBL FR CON-80' (EACH)
 2-ELCBL C SIGNAL 14 7C-80'

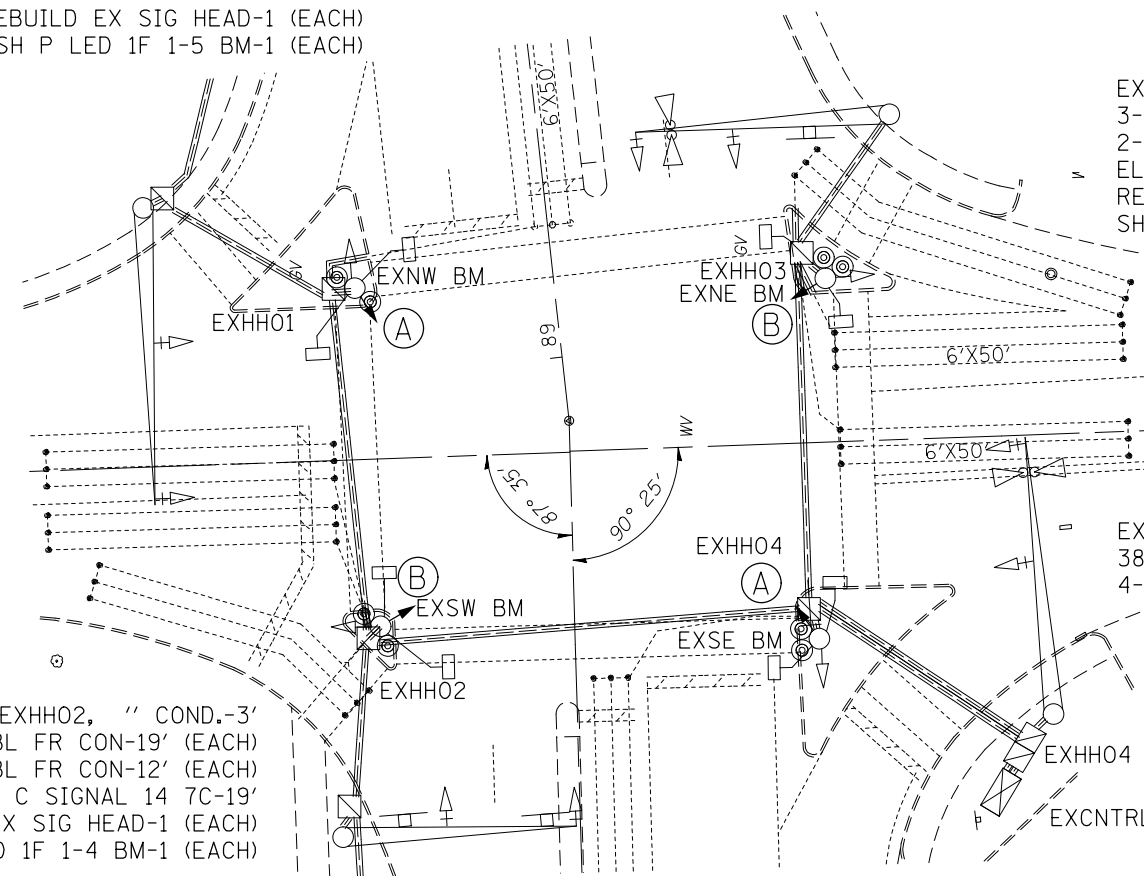
EXSE BM-EXHH04, 2" COND.-1'
 3-REM & RE ELCBL FR CON-17' (EACH)
 2-REM & RE ELCBL FR CON-10' (EACH)
 ELCBL C SIGNAL 14 7C-17'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-5 BM-1 (EACH)

EXNE BM-EXHH03, 2" COND.-2'
 3-REM & RE ELCBL FR CON-18' (EACH)
 2-REM & RE ELCBL FR CON-11' (EACH)
 ELCBL C SIGNAL 14 7C-18'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-4 BM-1 (EACH)

EXHH03-EXHH04, 2" COND.-58'
 12-REM & RE ELCBL FR CON-' (EACH)
 ELCBL C SIGNAL 14 7C-'

EXHH04-EXDHH01, 2-4" COND.-42'
 38-REM & RE ELCBL FR CON-48' (EACH)
 4-ELCBL C SIGNAL 14 7C-48' (EACH)

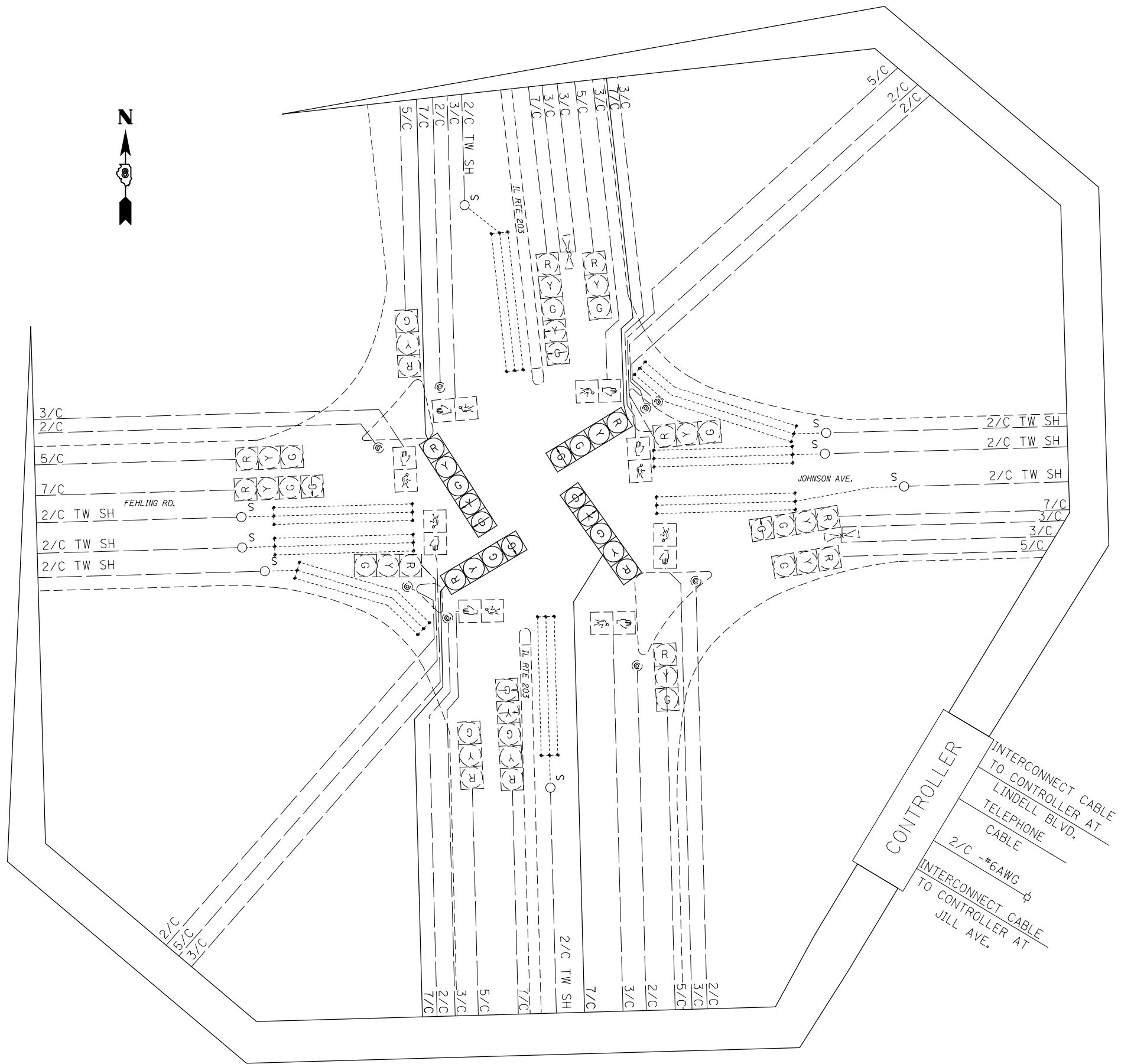
EXHH04 EXDHH01-EXCNTRL, 2-4" COND.-1'
 38-REM & RE ELCBL FR CON-17' (EACH)
 4-ELCBL C SIGNAL 14 7C-17' (EACH)



***MADISON & 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	624
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	5706

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	PLOT DATE = 10/21/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 203 & FEHLING (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	92
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

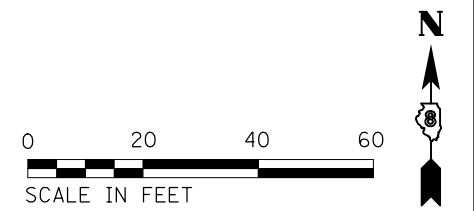
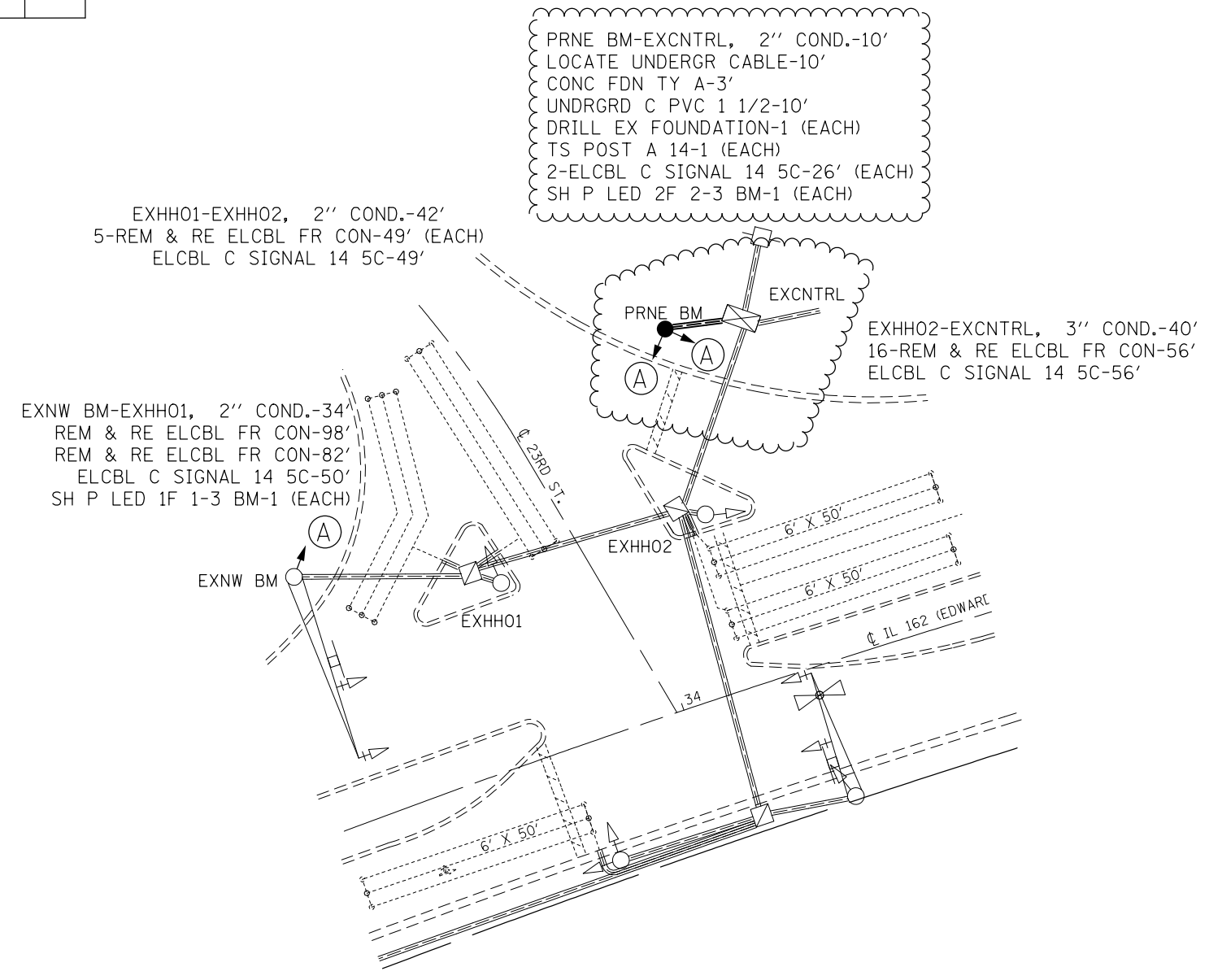
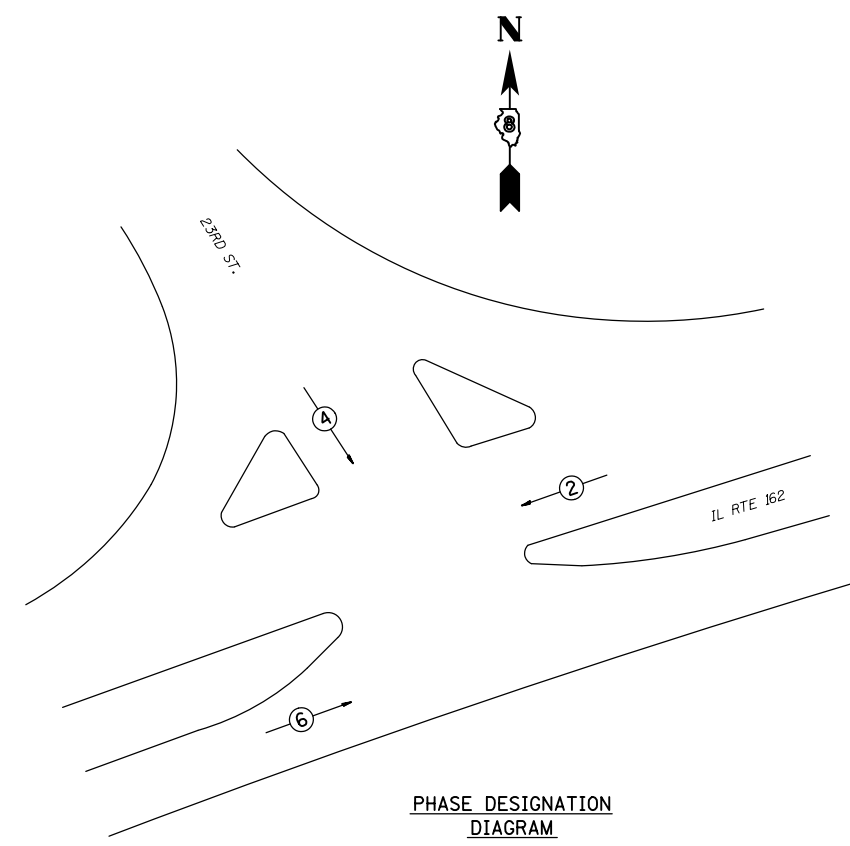
***MADISON & ST. CLAIR

12''
 R
 Y
 G
 A

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	NOT USED
CONCURRENT MOVEMENT PERMITTED		6		NONE		2		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES



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	PLOT DATE = 10/21/2016	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



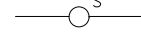

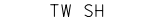
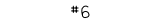
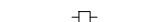
IL 162 & 23RD (GRANITE CITY, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

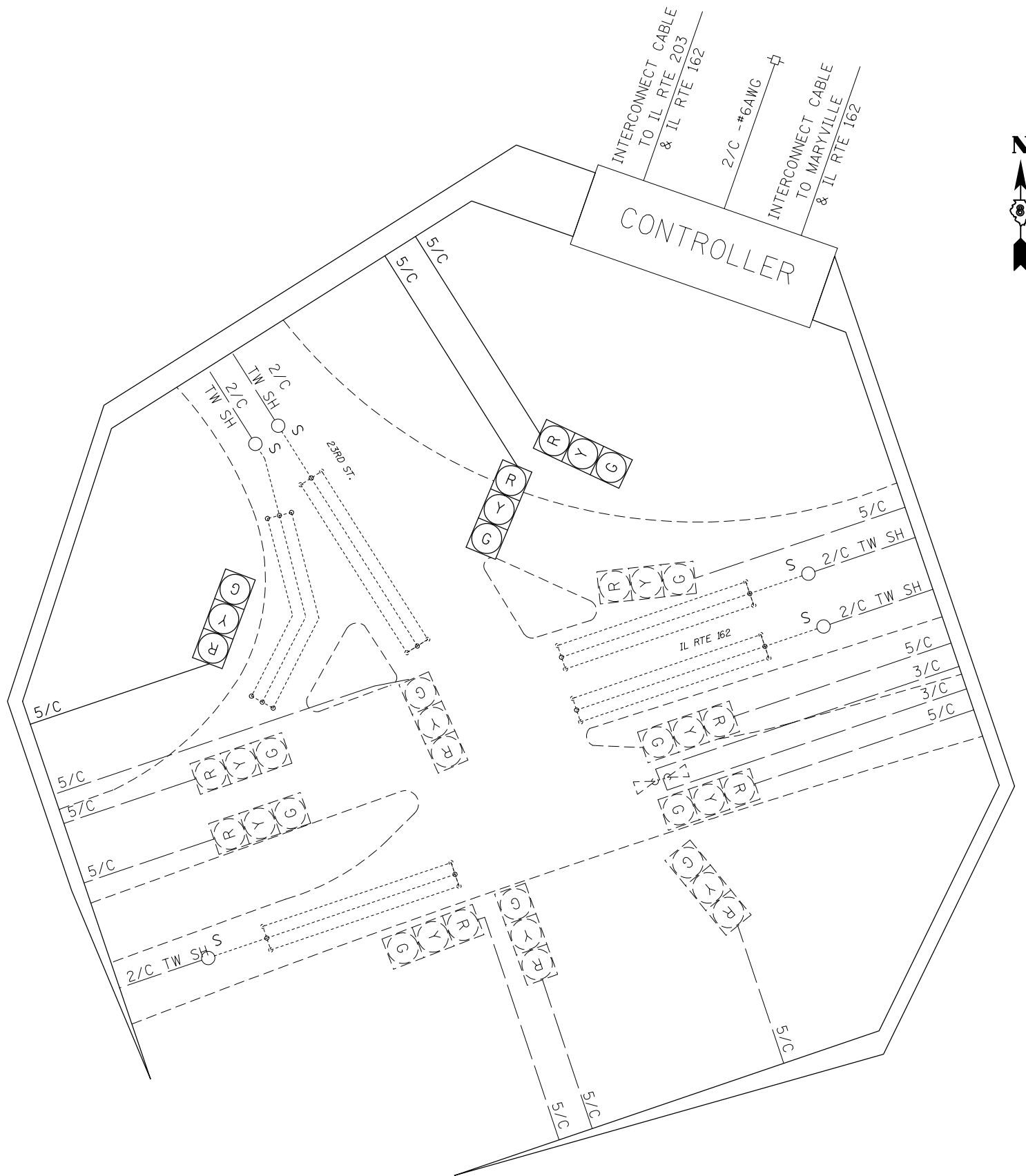
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	93
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**=MADISON & ST. CLAIR

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



CODE NO.	ITEM	UNIT	QTY.
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2.4
66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	0.48
66900550	SOIL DISPOSAL ANALYSIS	EACH	0.48
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	10
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	10
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	207
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900100	DRILL EXISTING FOUNDATION	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 2-3-SECTION, BRACKET MOUNTED	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1118

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	PLOT DATE = 10/21/2016	DATE -	REVISED -

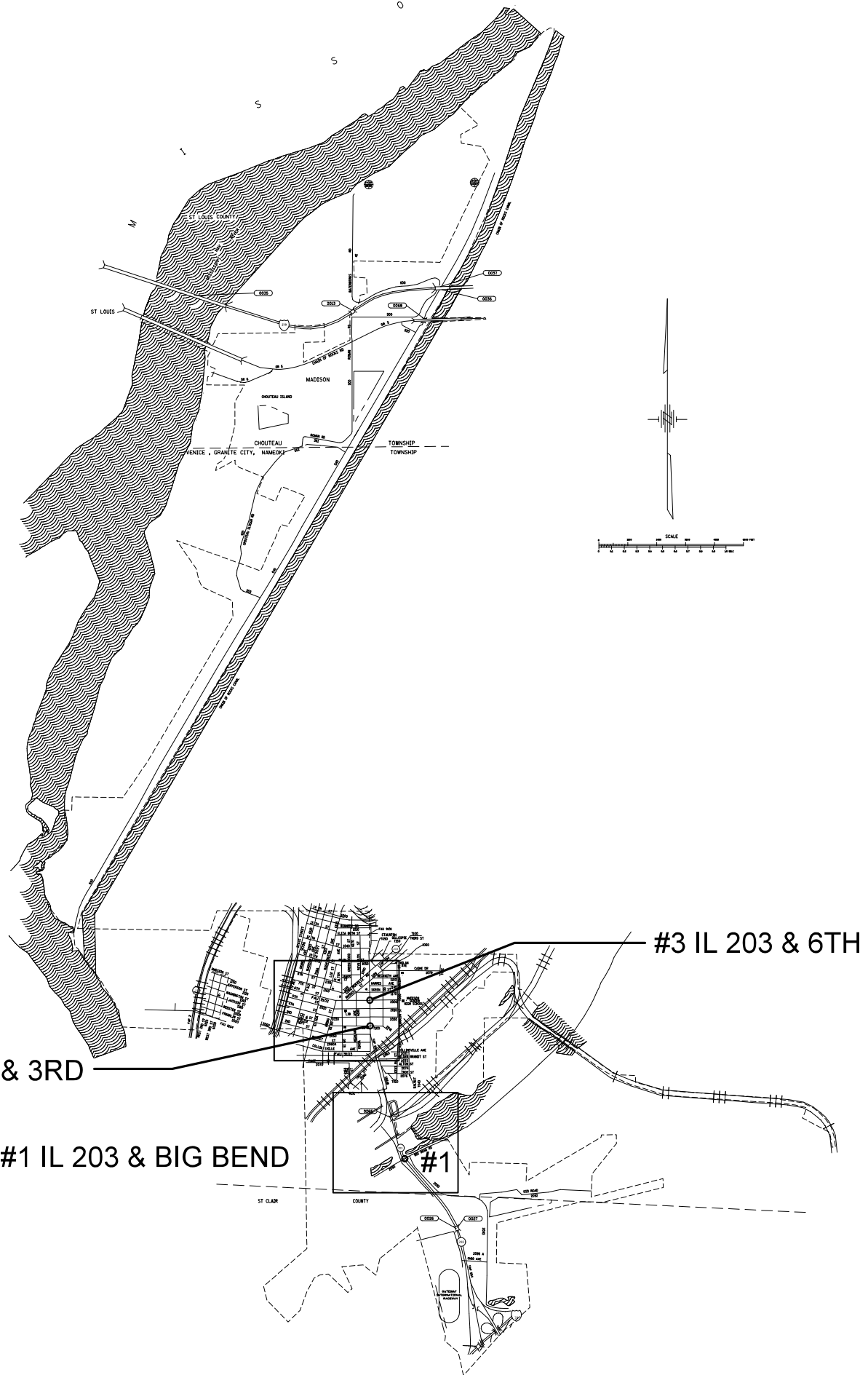
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 162 & 23RD (GRANITE CITY, MADISON CNTY.)
WIRING DIAGRAM**

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

***MADISON & ST. CLAIR

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	94
•-VARIOUS				CONTRACT NO. 76J22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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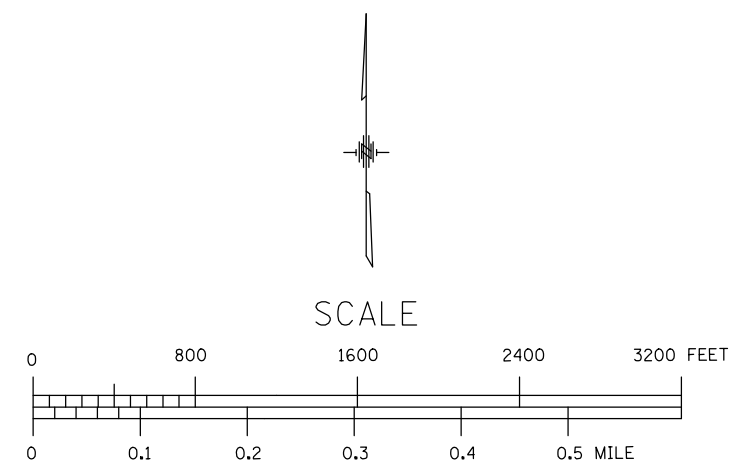
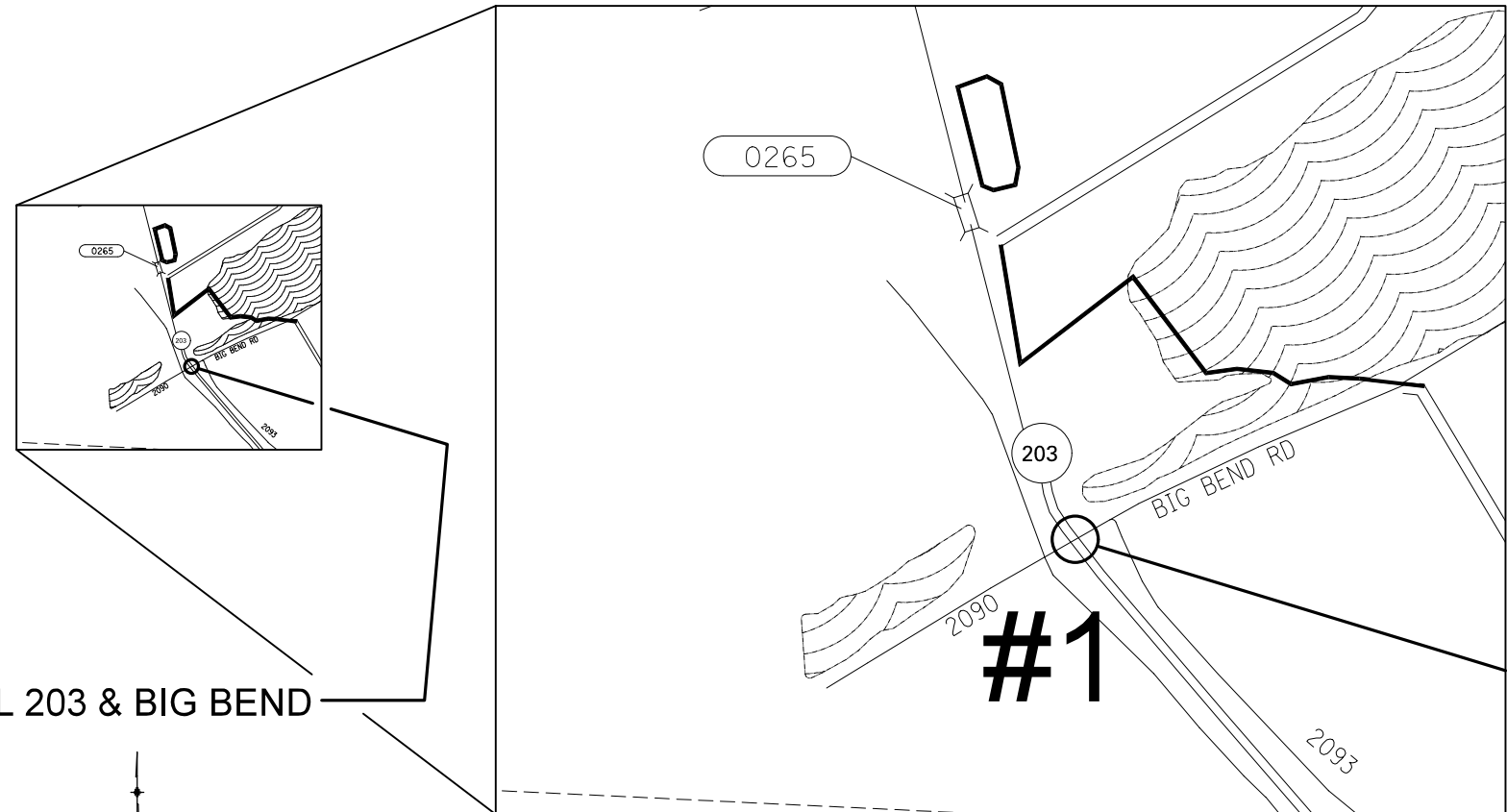
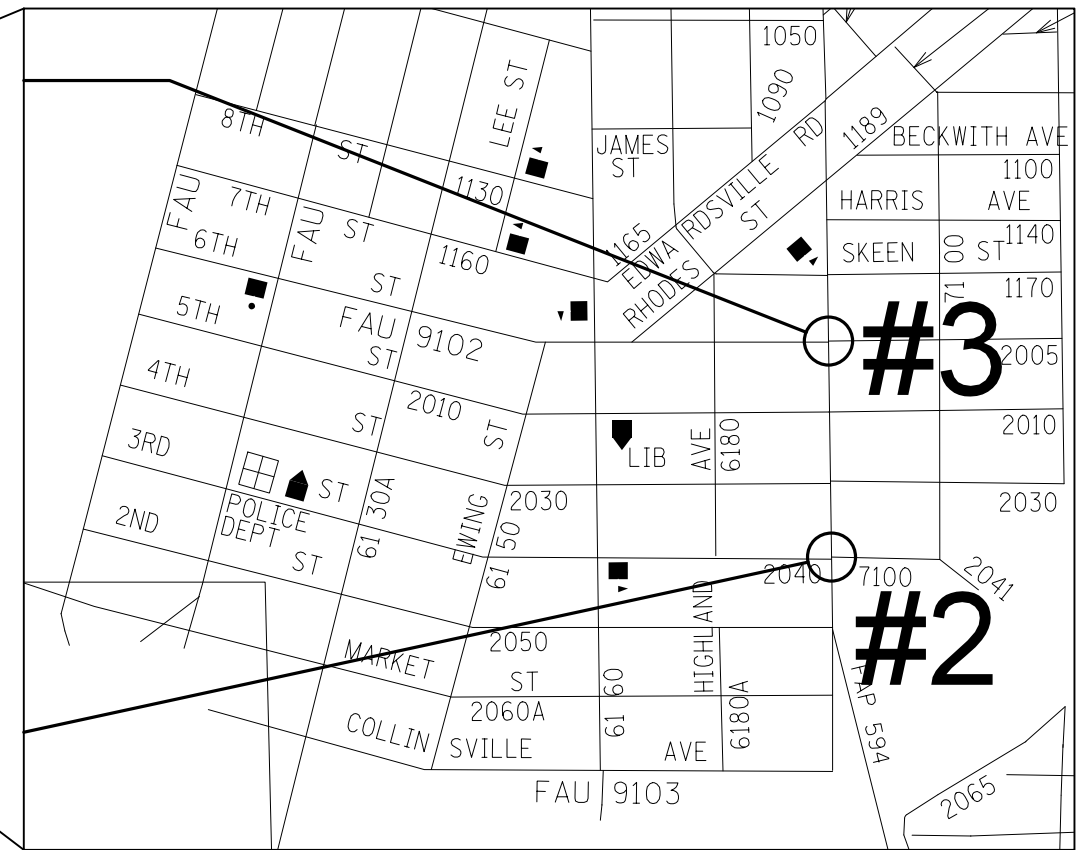
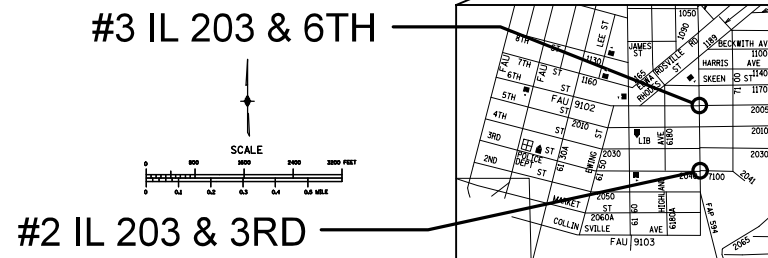
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
MADISON, MADISON CNTY.
1 OF 2**

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

RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1		**	136	95
•=VARIOUS			CONTRACT NO. 76J22		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

**=MADISON & ST. CLAIR



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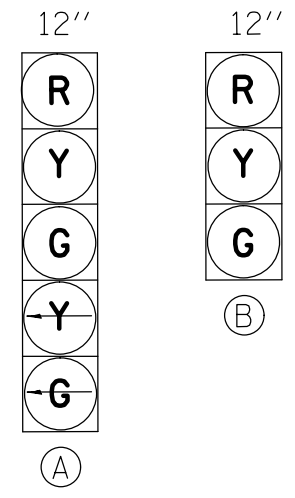
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP MADISON, MADISON CNTY. 2 OF 2			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	96
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

***MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

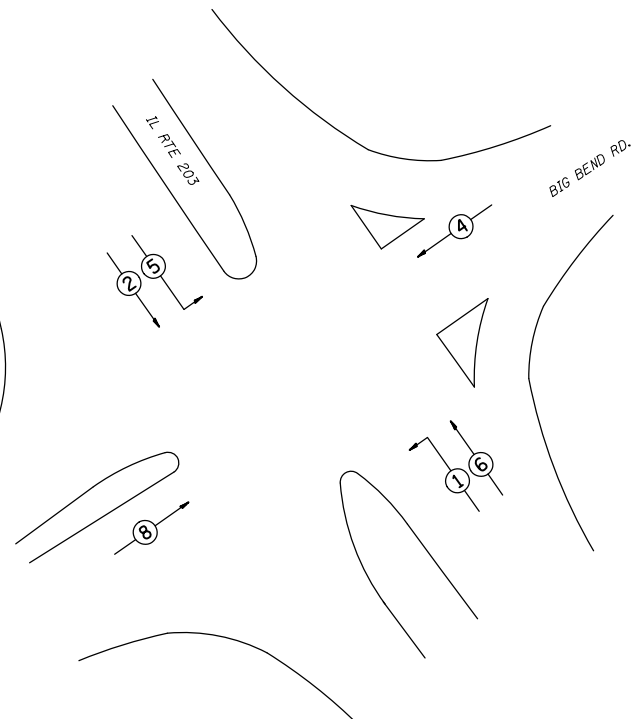


EXISTING FULL-ACTUATED CONTROLLER

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

PROPOSED TRAFFIC SIGNAL FACES

PHASE DESIGNATION DIAGRAM



EXNW BM-EXHHO1, 2" COND.-18'
 REM & RE ELCBL FR CON-85'
 REM & RE ELCBL FR CON-70'
 ELCBL C SIGNAL 14 5C-34'
 ELCBL C SIGNAL 14 7C-34'
 SH P LED 2F 1-3 1-5 BM-1(EACH)

EXHHO1-EXHHO2, 2.5" COND.-72'
 4-REM & RE ELCBL FR CON-78' (EACH)
 ELCBL C SIGNAL 14 5C-78'
 ELCBL C SIGNAL 14 7C-78'

EXHHO2-EXDHHO1, 2.5" COND.-57'
 5-REM & RE ELCBL FR CON-63' (EACH)
 ELCBL C SIGNAL 14 5C-63'
 ELCBL C SIGNAL 14 7C-63'

EXNE BM-EXDHHO1, 2" COND.-11'
 REM & RE ELCBL FR CON-78'
 REM & RE ELCBL FR CON-75'
 REM & RE ELCBL FR CON-63'
 ELCBL C SIGNAL 14 5C-27'
 ELCBL C SIGNAL 14 7C-27'
 SH P LED 2F 1-3 BM-1(EACH)

EXDHHO1-EXCNTRL, 4" COND.-12'
 20-REM & RE ELCBL FR CON-28' (EACH)
 5-ELCBL C SIGNAL 14 5C-28' (EACH)
 3-ELCBL C SIGNAL 14 7C-28' (EACH)

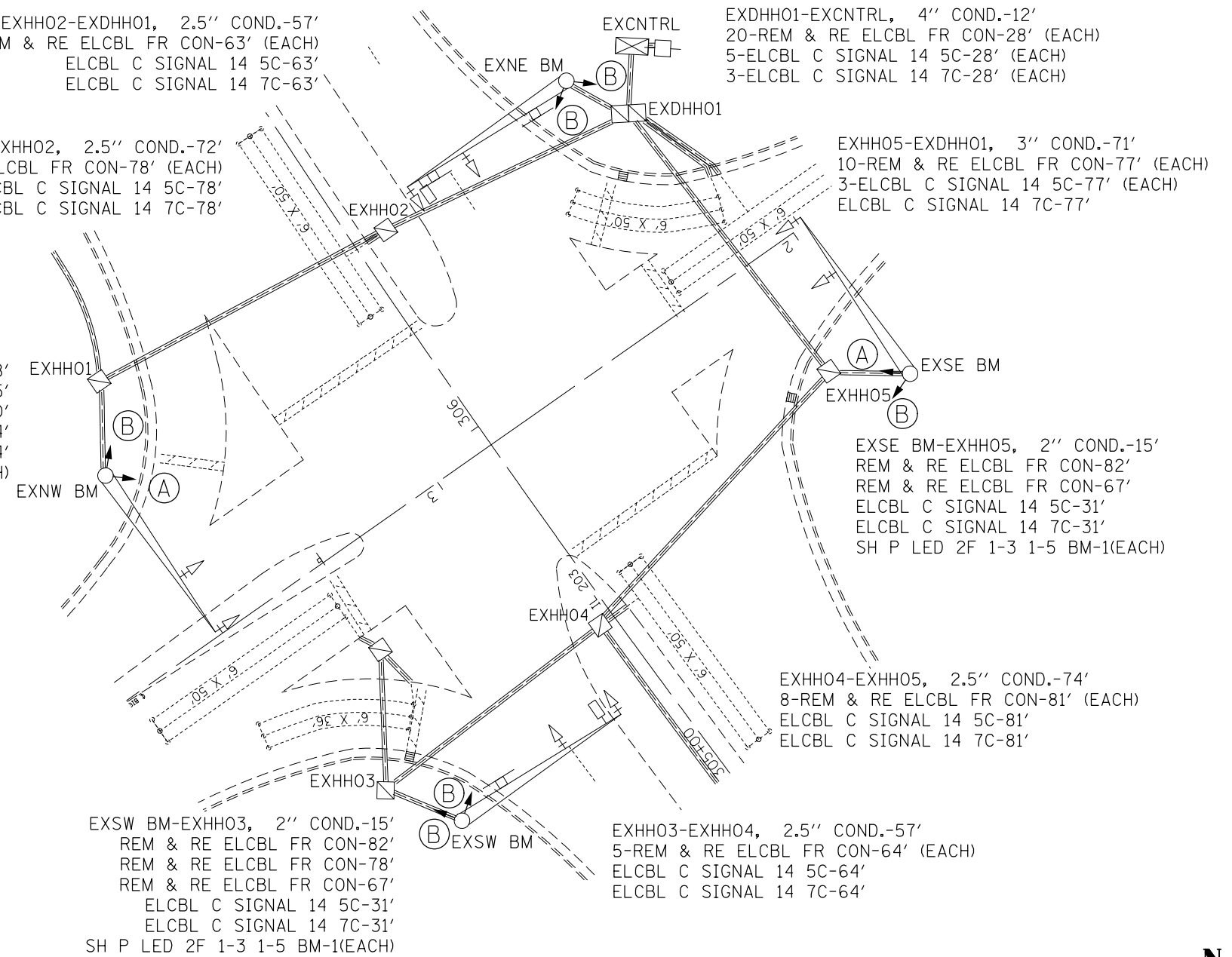
EXHHO5-EXDHHO1, 3" COND.-71'
 10-REM & RE ELCBL FR CON-77' (EACH)
 3-ELCBL C SIGNAL 14 5C-77' (EACH)
 ELCBL C SIGNAL 14 7C-77'

EXSE BM-EXHHO5, 2" COND.-15'
 REM & RE ELCBL FR CON-82'
 REM & RE ELCBL FR CON-67'
 ELCBL C SIGNAL 14 5C-31'
 ELCBL C SIGNAL 14 7C-31'
 SH P LED 2F 1-3 1-5 BM-1(EACH)


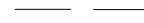
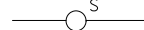

EXHHO4-EXHHO5, 2.5" COND.-74'
 8-REM & RE ELCBL FR CON-81' (EACH)
 ELCBL C SIGNAL 14 5C-81'
 ELCBL C SIGNAL 14 7C-81'

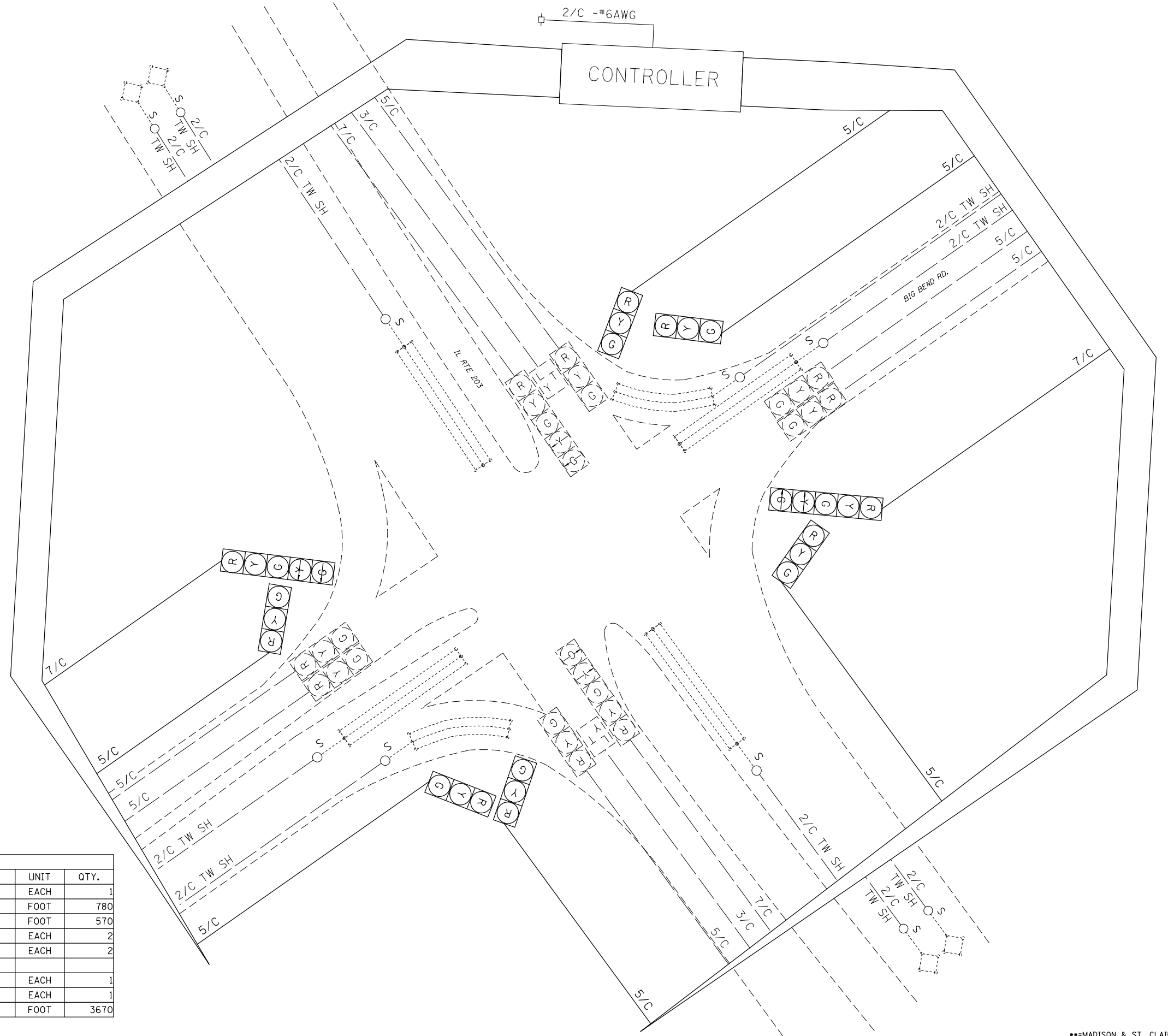
EXSW BM-EXHHO3, 2" COND.-15'
 REM & RE ELCBL FR CON-82'
 REM & RE ELCBL FR CON-78'
 REM & RE ELCBL FR CON-67'
 ELCBL C SIGNAL 14 5C-31'
 ELCBL C SIGNAL 14 7C-31'
 SH P LED 2F 1-3 1-5 BM-1(EACH)

EXHHO3-EXHHO4, 2.5" COND.-57'
 5-REM & RE ELCBL FR CON-64' (EACH)
 ELCBL C SIGNAL 14 5C-64'
 ELCBL C SIGNAL 14 7C-64'



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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	780
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	570
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	3670

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 10/21/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





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

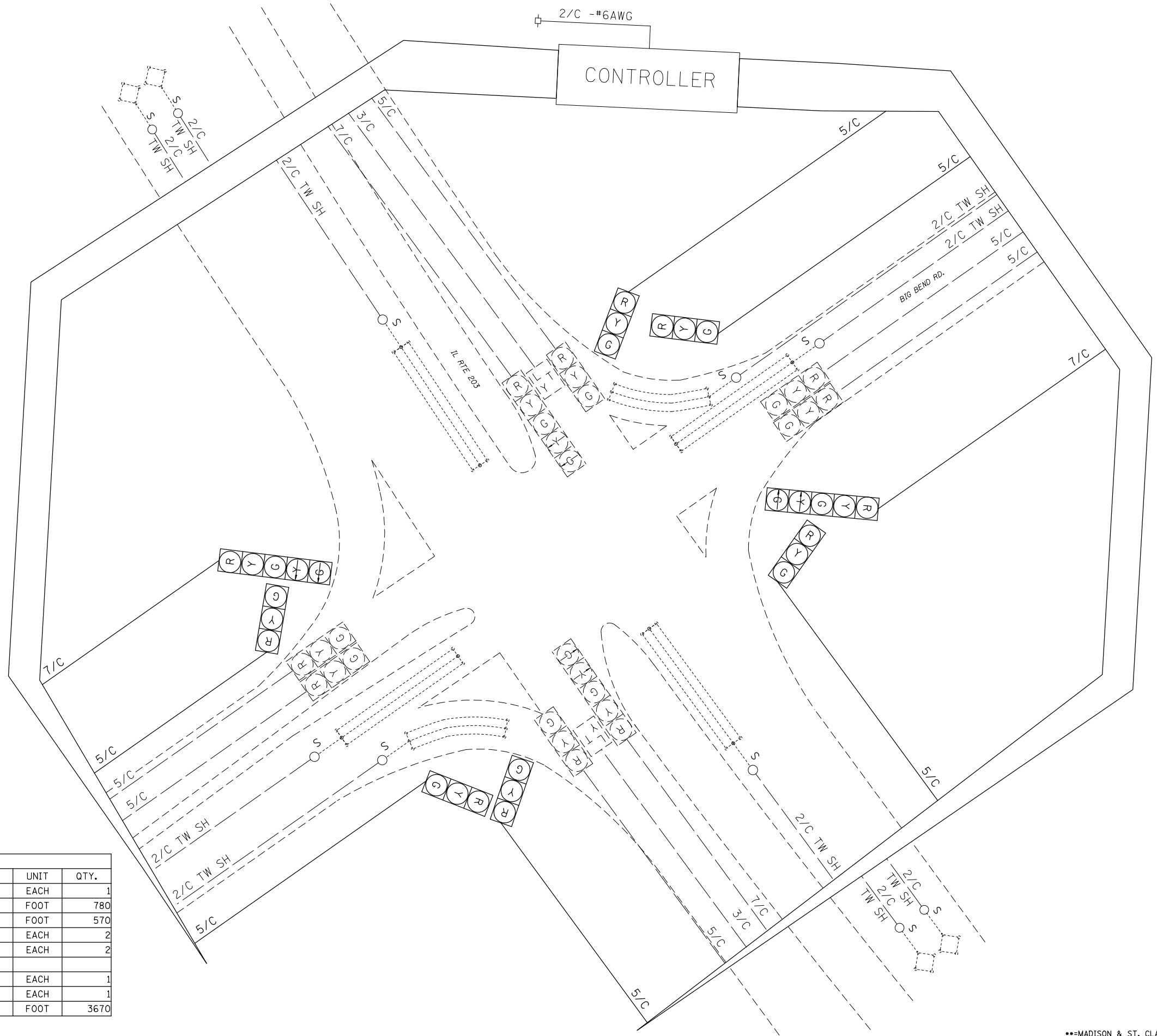
SCALE: SHEET NO. OF SHEETS STA. TO STA.

**=MADISON & ST. CLAIR

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8	DIST 8 TS 2017-1	**	136	98
**=VARIOUS			CONTRACT NO. 76J22	
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
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	780
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	570
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	3670

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

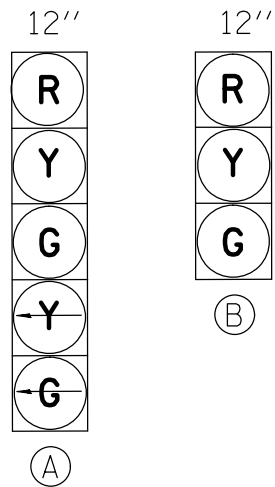
**IL 203 & BIG BEND (MADISON, MADISON CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	98
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

***MADISON & ST. CLAIR

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

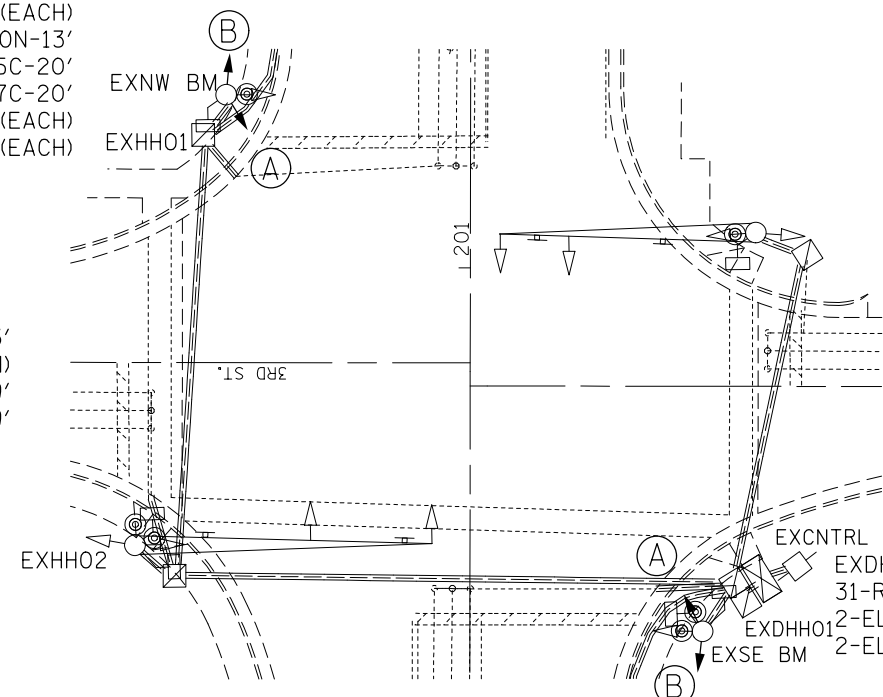
EXISTING FULL-ACTUATED CONTROLLER

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

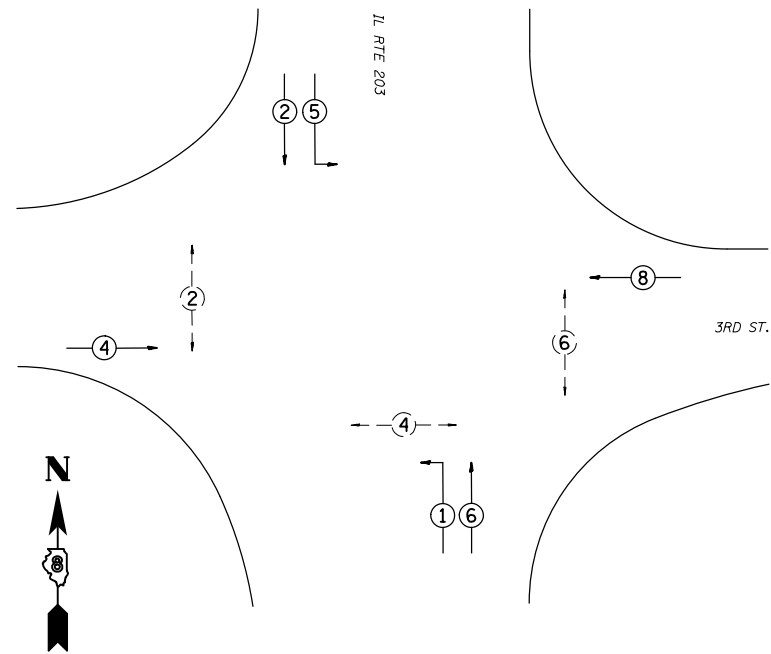
EXNW BM-EXHH01, 2" COND.-4'
 2-REM & RE ELCBL FR CON-20' (EACH)
 REM & RE ELCBL FR CON-13'
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH01-EXHH02, 2.5" COND.-73'
 7-REM & RE ELCBL FR CON-79' (EACH)
 ELCBL C SIGNAL 14 5C-79'
 ELCBL C SIGNAL 14 7C-79'



EXHH02-EXDHH01, 3" COND.-92'
 16-REM & RE ELCBL FR CON-98' (EACH)
 ELCBL C SIGNAL 14 5C-98'
 ELCBL C SIGNAL 14 7C-98'

EXSE BM-EXHH01, 2" COND.-6'
 3-REM & RE ELCBL FR CON-22' (EACH)
 2-REM & RE ELCBL FR CON-22' (EACH)
 ELCBL C SIGNAL 14 5C-22'
 ELCBL C SIGNAL 14 7C-22'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 2F 1-3 1-5 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



***MADISON & ST. CLAIR

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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/21/2016	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

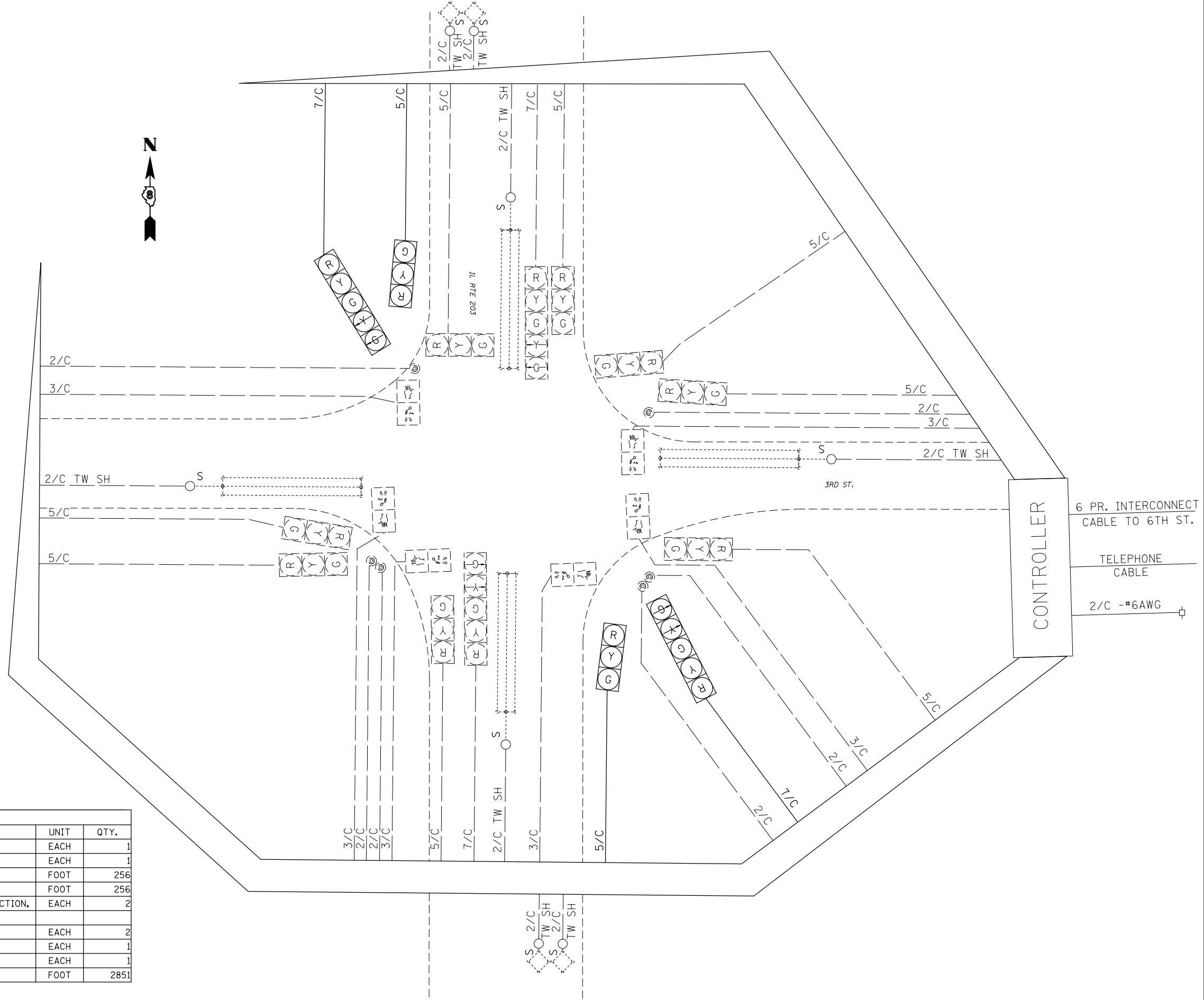
IL 203 & 3RD (MADISON, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	99
**=VARIOUS			CONTRACT NO. 76J22	
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
87301745	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	256
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	256
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	2851

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 203 & 3RD (MADISON, MADISON CNTY.)
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2017-1	**	136	100
**=VARIOUS			CONTRACT NO. 76J22	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

***MADISON & ST. CLAIR