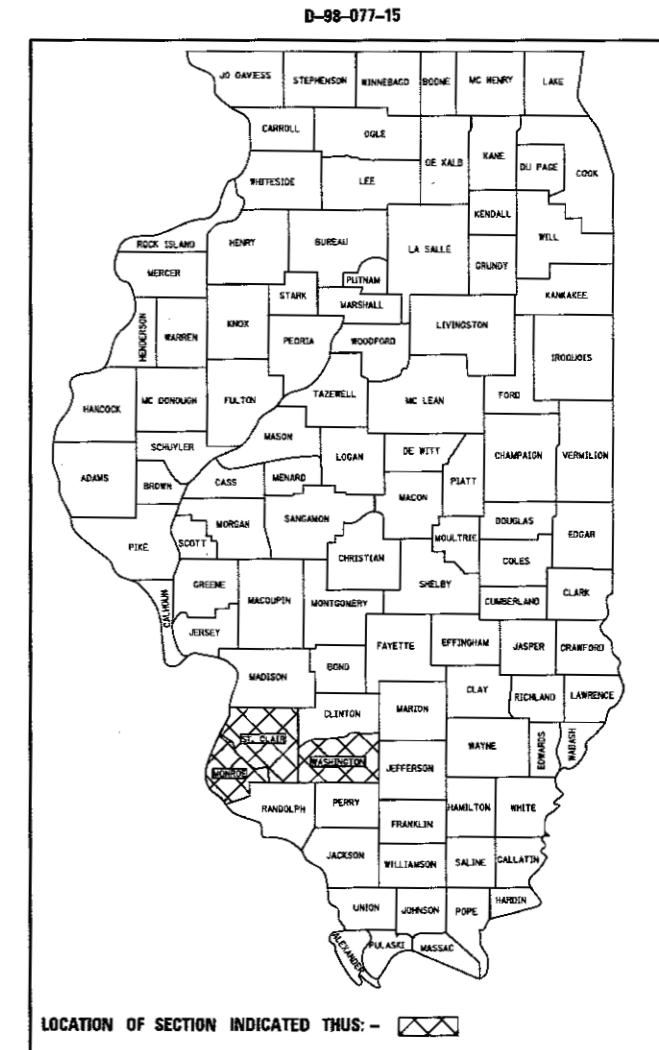


RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST # TS 2018-1	*	120	1
**VARIOUS		ILLINOIS	CONTRACT NO. 76J24	

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

VARIOUS ROUTES
SECTION DIST 8 TS 2018-1
PROJECT HSIP-37K9(673)
INSTALLATION OF NEAR-RIGHT &
FAR-LEFT TRAFFIC SIGNAL INDICATIONS
VARIOUS COUNTIES



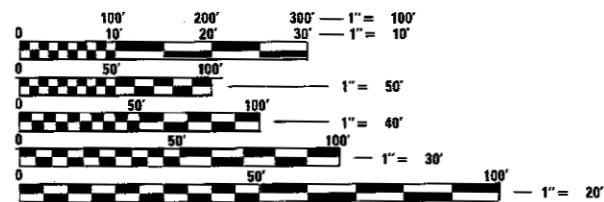
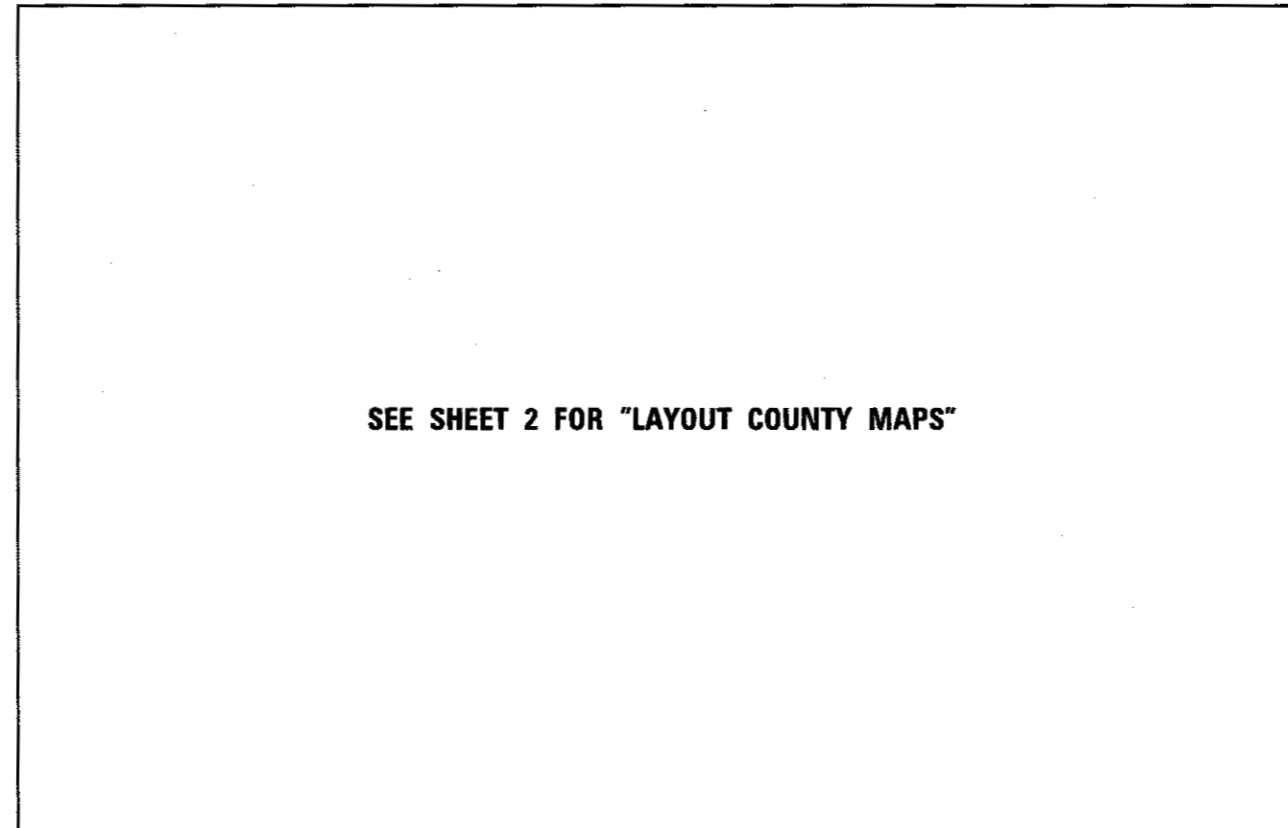
INDEX OF SHEETS

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

STANDARDS

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

C-98-132-18



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. 76J24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

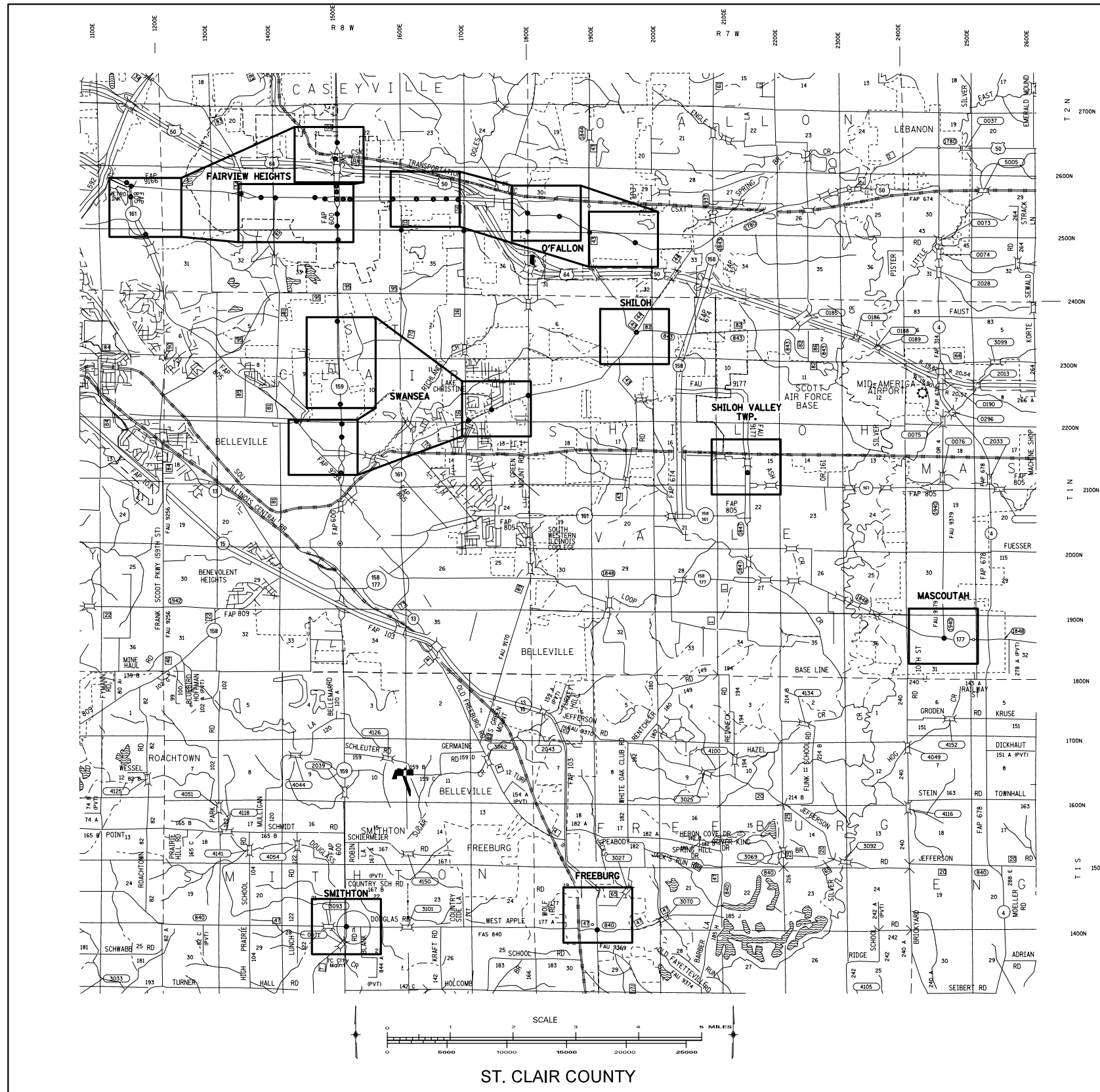
SUBMITTED *Aug 24* 20 *17*

Jeffrey Z. Kamas
REGIONAL ENGINEER

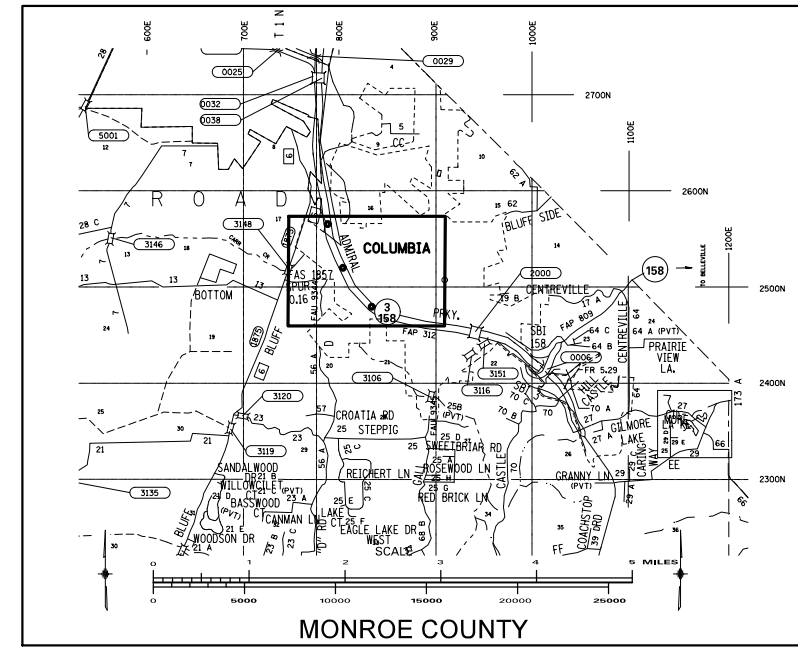
Oct 13 20 *17*
Maureen M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 13 20 *17*
Annelle
DIRECTOR OF PROGRAM DEVELOPMENT

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

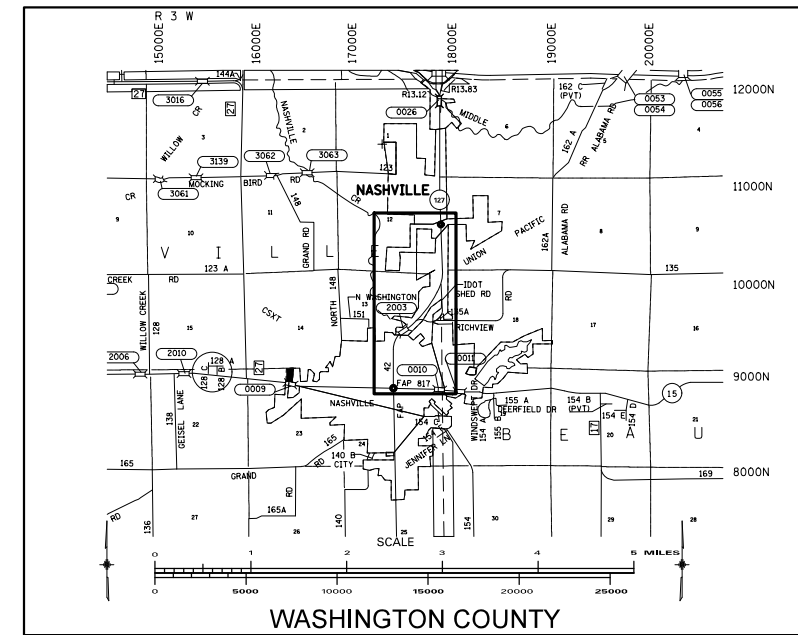


COUNTY	LOCAL AGENCY	INTERSECTION
MONROE	COLUMBIA	IL 3 & BOTTOM AVE.
		IL 3 & EDELWEISS
		IL 3 & N MAIN ST.



COUNTY	LOCAL AGENCY	INTERSECTION
ST. CLAIR	FAIRVIEW HEIGHTS	IL 159 & CHATEAU
		IL 159 & LONGACRE
		IL 159 & LINCOLN PLACE
		IL 159 & LINCOLN TRAIL
		IL 159 & ST. CLAIR SQ-S ENT
		IL 159 & MARKET/ST. CLAIR SQ-N ENT
		IL 159 & LUDWIG
		IL 159 & FOUNTAINS PKWY
		ST. CLAIR & 3RD
		IL 161 & LYNN LEE
		IL 161 & ST. CLAIR
		IL 161 & OLD LINCOLN TRAIL
		LINCOLN TRAIL & POTOMAC
LINCOLN TRAIL & MARK		
LINCOLN TRAIL & RUBY		
LINCOLN TRAIL & COMMERCE		
LINCOLN TRAIL & ST. CLAIR SQ ENT		
LINCOLN & FREY		
ST CLAIR & BUNKUM		
FREEBURG	IL 15 & APPLE	
MASCOUTAH	IL 177 & 6TH	

COUNTY	LOCAL AGENCY	INTERSECTION	
ST. CLAIR	O'FALLON	W HWY 50 & CASTLE ACRES	
		W HWY 50 & WALMART ENT	
		W HWY 50 & SAM'S ENT.	
		W HWY 50 & I-64 W JCT	
		W HWY 50 & SCHWAEGL	
		E HWY 50 & SCHUNK'S FOOD ENT	
		W HWY 50 & 3RD	
		LINCOLN HWY & OLD COLLINSVILLE	
		SHILOH VALLEY TWP	OLD IL 158 & PATRIOTS LANDING
		SHILOH	MAIN & CROSS
			LEBANON & SIERRA/WARRIOR
		SMITHTON	LEBANON & GREENMOUNT
			LEBANON & HARTMAN
SWANSEA	IL 159 & DOUGLAS		
	IL 159 & BOUL		
	IL 159 & PARKWAY		
	IL 159 & FULLERTON		
	IL 159 & ROSEWOOD VILLAGE		
	IL 159 & GREEN HAVEN		
	IL 161 & N BELT W		



COUNTY	LOCAL AGENCY	INTERSECTION
WASHINGTON	NASHVILLE	IL 127 & ENTERPRISE
		IL 15 & IL 127

FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
et:\pw\work\p\dot\prestone\10449913\0876J24-sh-t-spln.dgn		DRAWN -	REVISED -
		PLOT SCALE = 33.3333 / in.	REVISED -
		PLOT DATE = 8/24/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COUNTY LAYOUT MAPS

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2017-1	*	120	2
* = VARIOUS		CONTRACT NO. 76J24		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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
#176 IL159 & Boul Swansea	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	BI-STATE DEVELOPMENT AGENCY	RAILROAD	X		X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	CLEARWAVE COMMUNICATIONS	TELEPHONE	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X
	WINDSTREAM KDL INC.	TELEPHONE	X		X
	VILLAGE OF SWANSEA	SEWER	X		X
#179 IL 159 & Fullerton Swansea	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	CLEARWAVE COMMUNICATIONS	TELEPHONE	X		X
	IL-AMERICAN WATER-EAST ST. LOUIS DISTRIBUTION	WATER	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X
	VILLAGE OF SWANSEA	SEWER	X		X
#183 IL 159 & Chateau Fairview Heights	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	AMEREN CIPS	GAS & ELECTRIC	X	X	X
	CLEARWAVE COMMUNICATIONS	TELEPHONE	X		X
	CASEYVILLE TWP SEWER SYSTEM	SEWER	X		X
	FIDELITY COMMUNICATIONS SERVICES	TELEPHONE	X	X	X
	CITY OF FAIRVIEW HEIGHTS	SEWER	X		X
	IL-AMERICAN WATER-EAST ST. LOUIS DISTRIBUTION	WATER	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X
	CITY OF O'FALLON	SEWER & WATER	X		X
#215 IL 161 & Lynn Lee Fairview Heights	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	BI-STATE DEVELOPMENT AGENCY	RAILROAD	X		X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	AMEREN CIPS	GAS & ELECTRIC	X	X	X
	CITY OF FAIRVIEW HEIGHTS	SEWER	X		X
	IL-AMERICAN WATER-EAST ST. LOUIS DISTRIBUTION	WATER	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X
	CITY OF O'FALLON	SEWER & WATER	X		X
#216 IL 161 & St. Clair Fairview Heights	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	BI-STATE DEVELOPMENT AGENCY	RAILROAD	X		X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	AMEREN CIPS	GAS & ELECTRIC	X	X	X
	CITY OF FAIRVIEW HEIGHTS	SEWER	X		X
	IL-AMERICAN WATER-EAST ST. LOUIS DISTRIBUTION	WATER	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X
	CITY OF O'FALLON	SEWER & WATER	X		X
#217 IL 161 & Old Lincoln Trail Fairview Heights	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	AMEREN CIPS	GAS & ELECTRIC	X	X	X
	CITY OF FAIRVIEW HEIGHTS	SEWER	X		X
	IL-AMERICAN WATER-EAST ST. LOUIS DISTRIBUTION	WATER	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X
	CITY OF O'FALLON	SEWER & WATER	X		X
#221 IL 161 & N Belt W Swansea	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	CITY OF BELLEVILLE	SEWER	X		X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	CLEARWAVE COMMUNICATIONS	TELEPHONE	X		X
	FIDELITY COMMUNICATIONS SERVICES	TELEPHONE	X	X	X
	IL-AMERICAN WATER-EAST ST. LOUIS DISTRIBUTION	WATER	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X
	VILLAGE OF SWANSEA	SEWER	X		X

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800)892-0123 OR 811 AND ARE INDICATED BY *. NON-MEMBERS MUST BE NOTIFIED DIRECTLY.

#260 Lebanon & Southwind E. of Belleville	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	CITY OF BELLEVILLE	SEWER	X		X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	FIDELITY COMMUNICATIONS SERVICES	TELEPHONE	X	X	X
	IL-AMERICAN WATER-EAST ST. LOUIS DISTRIBUTION	WATER	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X
	ST. CLAIR COUNTY TWP	SEWER	X		X
#268 Lincoln Trail & St Clair Sq Ent Fairview Heights	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	CHARTER COMMUNICATIONS	CABLE TV	X	X	X
	AMEREN CIPS	GAS & ELECTRIC	X	X	X
	CLEARWAVE COMMUNICATIONS	TELEPHONE	X		X
	CASEYVILLE TWP SEWER SYSTEM	SEWER	X		X
	EXTENET SYSTEMS	TELEPHONE	X		X
	FIDELITY COMMUNICATIONS SERVICES	TELEPHONE	X	X	X
	CITY OF FAIRVIEW HEIGHTS	SEWER	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X
	CITY OF O'FALLON	SEWER & WATER	X		X
#278 State & I-255 E Jct East Saint Louis	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	AMEREN CIPS	GAS & ELECTRIC	X	X	X
	CITY OF EAST ST. LOUIS	SEWER	X		X
	IL-AMERICAN WATER-EAST ST. LOUIS DISTRIBUTION	WATER	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X
	ENABLE MISS. RIVER GAS TRANSMISSION	PIPE			X
#279 State & I-255 W Jct East Saint Louis	ATT/DISTRIBUTION	TELEPHONE	X	X	X
	AMEREN CIPS	GAS & ELECTRIC	X	X	X
	CITY OF EAST ST. LOUIS	SEWER	X		X
	IL-AMERICAN WATER-EAST ST. LOUIS DISTRIBUTION	WATER	X		X
	AMEREN IP	GAS & ELECTRIC	X	X	X

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

INDEX OF SHEETS PER LOCAL AGENCY (COUNTY) INTERSECTION

6.-13. COLUMBIA (MONROE)
14.-17. BELLEVILLE (ST. CLAIR)
18.-24. EAST SAINT LOUIS (ST. CLAIR)
25.-65. FAIRVIEW HEIGHTS (ST. CLAIR)
66.-69. FREEBURG (ST. CLAIR)
70.-73. MASCOUTAH (ST. CLAIR)
74.-82. O'FALLON (ST. CLAIR)
83.-86. SHILOH VALLEY TWP (ST. CLAIR)
87.-96. SHILOH (ST. CLAIR)
97.-100. SMITHTON (ST. CLAIR)
101.-115. SWANSEA (ST. CLAIR)
116.-121. NASHVILLE (WASHINGTON)

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.

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, LEGEND AND DETAILS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es:\pwork\pwork\prestonme\d0449913\0876J24-sh-t-tp1an.dgn		DRAWN -	REVISED -			•	DIST 8 TS 2018-1	•	120	3	
		CHECKED -	REVISED -			**VARIOUS		CONTRACT NO. 76J24			
		DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

COUNTY	CITY	LOCATION	PEAK HOURS	DAY OF WEEK	PERMITTED LANE CLOSURES (1)		
ST. CLAIR	COLUMBIA	IL 3 AT BOTTOM AVENUE					
		IL 3 -NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE	
		IL 3 -SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE	
		ADMIRAL WEINEL-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE	
		BOTTOM AVE-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE	
		IL 3 AT EDELWEISS					
		IL 3 -NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE	
		IL 3 -SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE	
		EDELWEISS-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE	
		PARKVIEW DR-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE	
		IL 3 AT NORTH MAIN STREET					
		IL 3 -NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE	
		IL 3 -SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE	
		SAND BANK RD-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE	
		N. MAIN ST.-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE	
		FREEBURG					
		IL 15-NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE	
		IL 15-SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE	
		APPLE ST.-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE	
		APPLE ST.-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE	
SWANSEA							
IL 159 AT BOUL AVENUE							
IL 159-NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159-SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
BOUL AVE.-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE			
FAIRVIEW HEIGHTS							
IL 159 AT CHATEAU							
IL 159-NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159-SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
COMMERCIAL ENTRANCE-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
CHATEAU DR-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159 AT LONGACRE							
IL 159-NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			
IL 159-SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			
LONGACRE DR.-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			
ASHLAND AVE. WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			
IL 159 AT LINCOLN							
IL 159-NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159-SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
LINCOLN PLACE DR-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			
COMMERCIAL ENTRANCE-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			
IL 159 AT LINCOLN TRAIL							
IL 159-NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			
IL 159-SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			
LINCOLN TRAIL-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
LINCOLN HWY-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159 AT ST CLAIR SQUARE * S ENTRANCE							
IL 159-NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159-SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
COMMERCIAL ENTRANCE-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
S. MALL ENTRANCE-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159 AT MARKET/ST CLAIR SQUARE							
IL 159-NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159-SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
COMMERCIAL ENTRANCE-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			
S. MALL ENTRANCE-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			
IL 159 AT LUDWIG							
IL 159-NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159-SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
MARKET PLACE-EB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
ST. CLAIR SQUARE-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159 AT FOUNTAINS PARKWAY							
IL 159-NB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	1 LANE			
IL 159-SB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	NONE			
FOUNTAINS PKWY-EB	N/A	N/A	N/A	NONE			
FOUNTAINS PKWY-WB	6 A.M.-9 A.M.	3 P.M.-6 P.M.	MON.-FRI.	RT. LANE			

(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.

90% FEDERAL
10% STATE

CODE NO.	ITEM	UNIT	URBAN		CONSTR. CODE
			TOTAL QUANTITY	TRAFFIC SIGNALS 0021	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	26	26	
44000600	SIDEWALK REMOVAL	SQ FT	26	26	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	494	494	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	20	20	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	20	20	
67100100	MOBILIZATION	LSUM	1	1	
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	44	44	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	23	23	
80300100	LOCATING UNDERGROUND CABLE	FOOT	275	275	
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	312	312	
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	23460	23460	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	21641	21641	
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	18	18	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	54	54	
87900100	DRILL EXISTING FOUNDATION	EACH	4	4	
87900200	DRILL EXISTING HANDHOLE	EACH	13	13	
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	49	49	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1	1	
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	14	14	
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1	1	

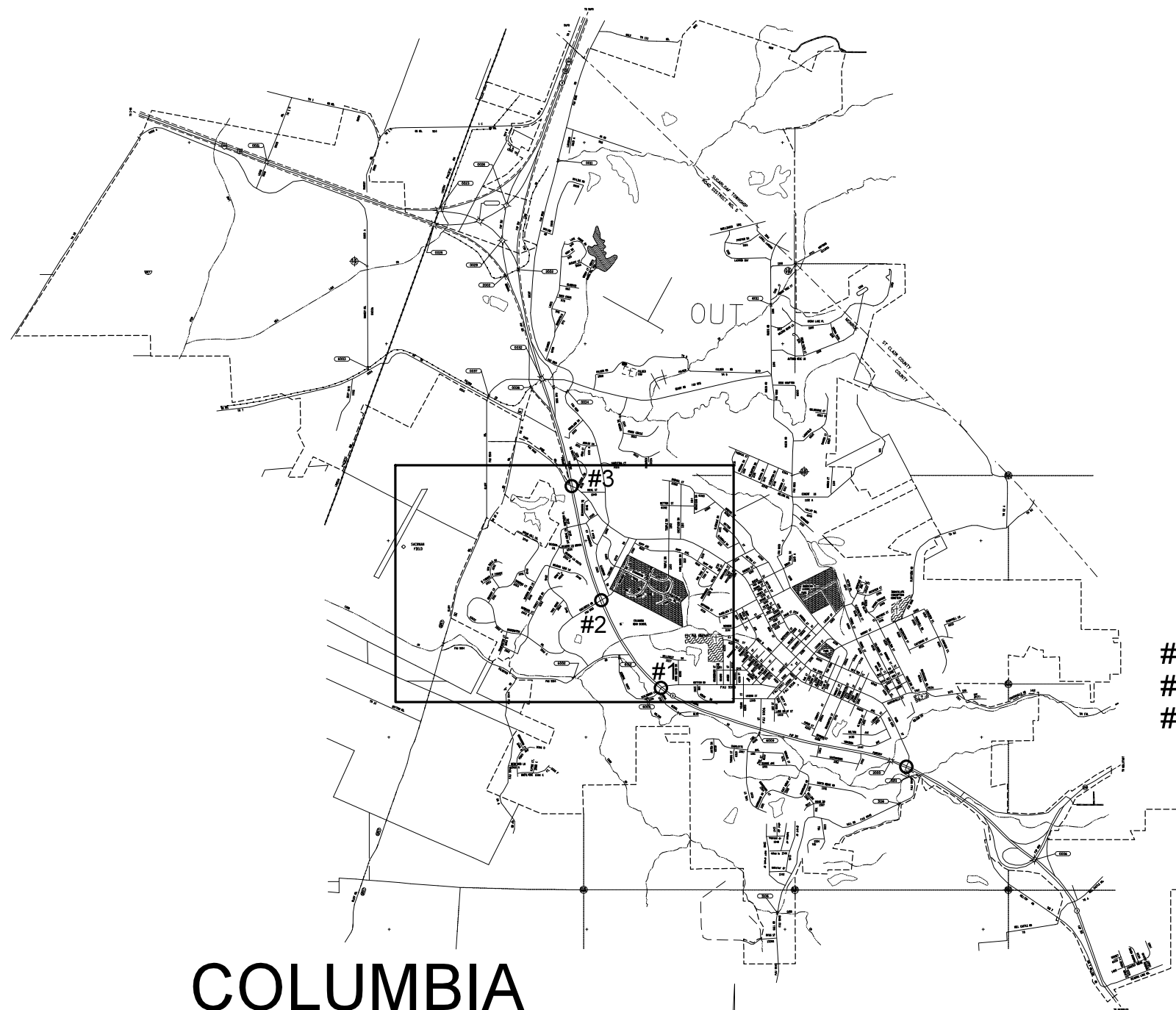
90% FEDERAL
10% STATE

CODE NO.	ITEM	UNIT	URBAN		CONSTR. CODE
			TOTAL QUANTITY	TRAFFIC SIGNALS 0021	
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	25	25	
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	43	43	
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	49	49	
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4	4	
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	21	21	
89502200	MODIFY EXISTING CONTROLLER	EACH	44	44	
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	44	44	
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	220215	220215	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	494	494	
X8100863	INTERCEPT EXISTING CONDUIT	EACH	1	1	

11
* SPECIALTY ITEM

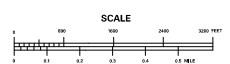
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pw\11884EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0875\Drawings\0875\0875J24-ent-tp10	PLANNED BY	CHECKED -	REVISED -						* DIST 8 TS 2018-1	*	120	5	
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PLOT DATE = 8/24/2017	DATE	REVISED -	REVISED -						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.			

REV



#1 IL 3 & BOTTOM AVE.
 #2 IL RTE 3 & EDELWEISS
 #3 IL RTE 3 & N MAIN ST.

COLUMBIA



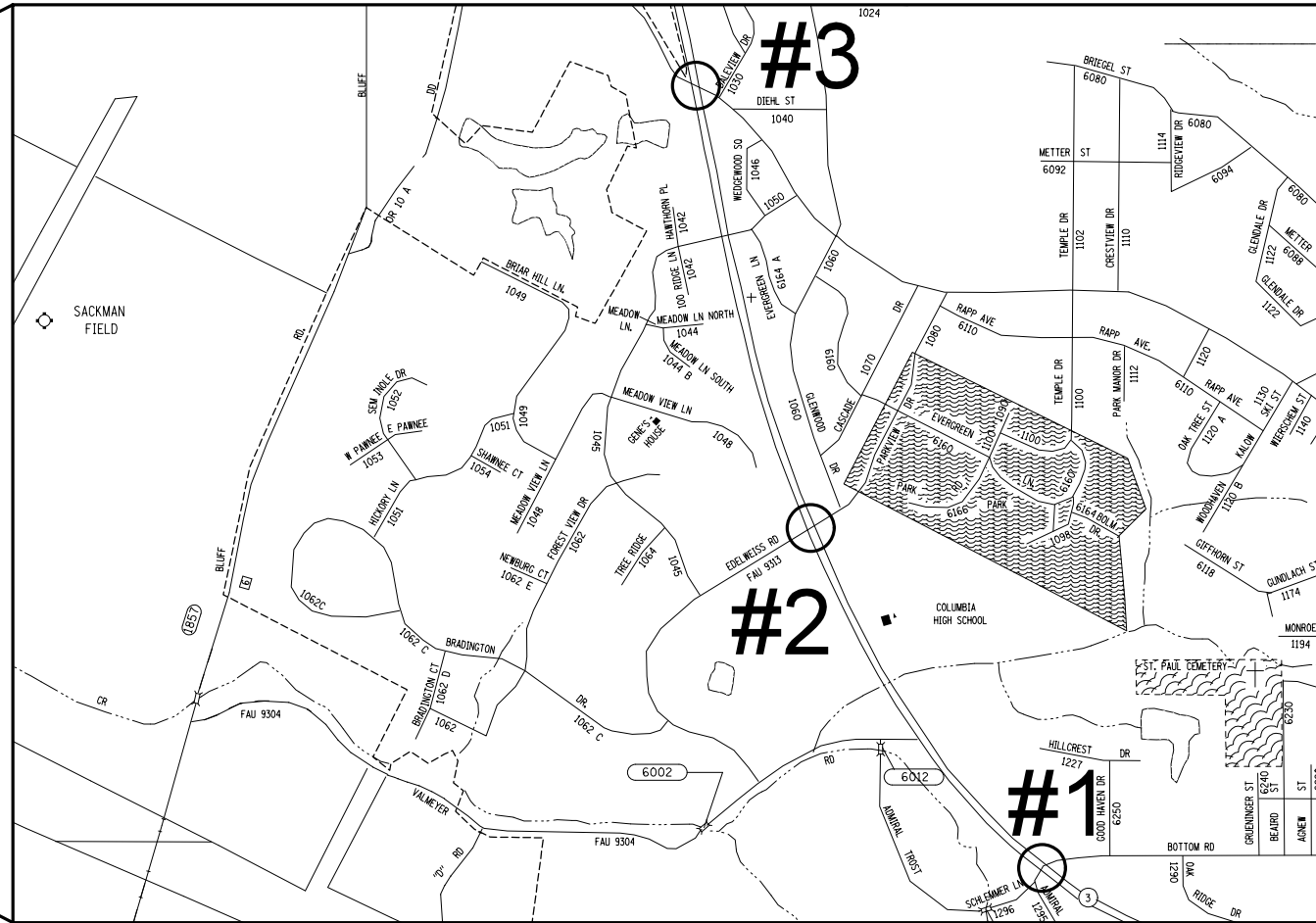
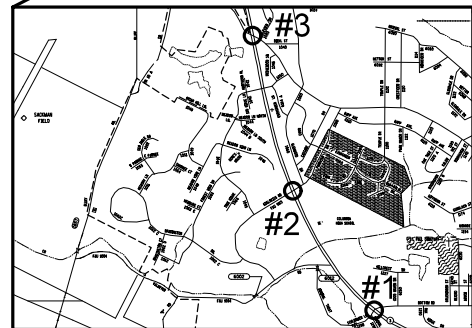
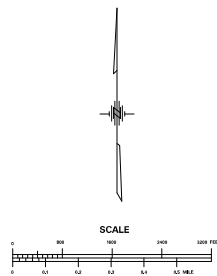
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

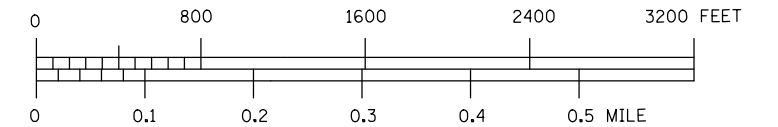
LOCATION MAP
COLUMBIA, MONROE CNTY.
1 OF 2

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	6
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



#1 IL 3 & BOTTOM AVE.
 #2 IL RTE 3 & EDELWEISS
 #3 IL RTE 3 & N MAIN ST.



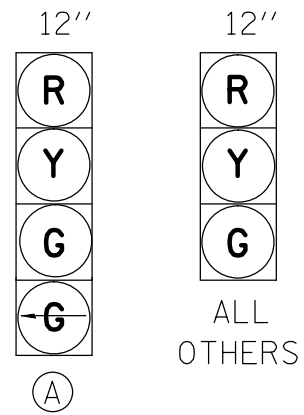
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
 COLUMBIA, MONROE CNTY.
 2 OF 2**

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

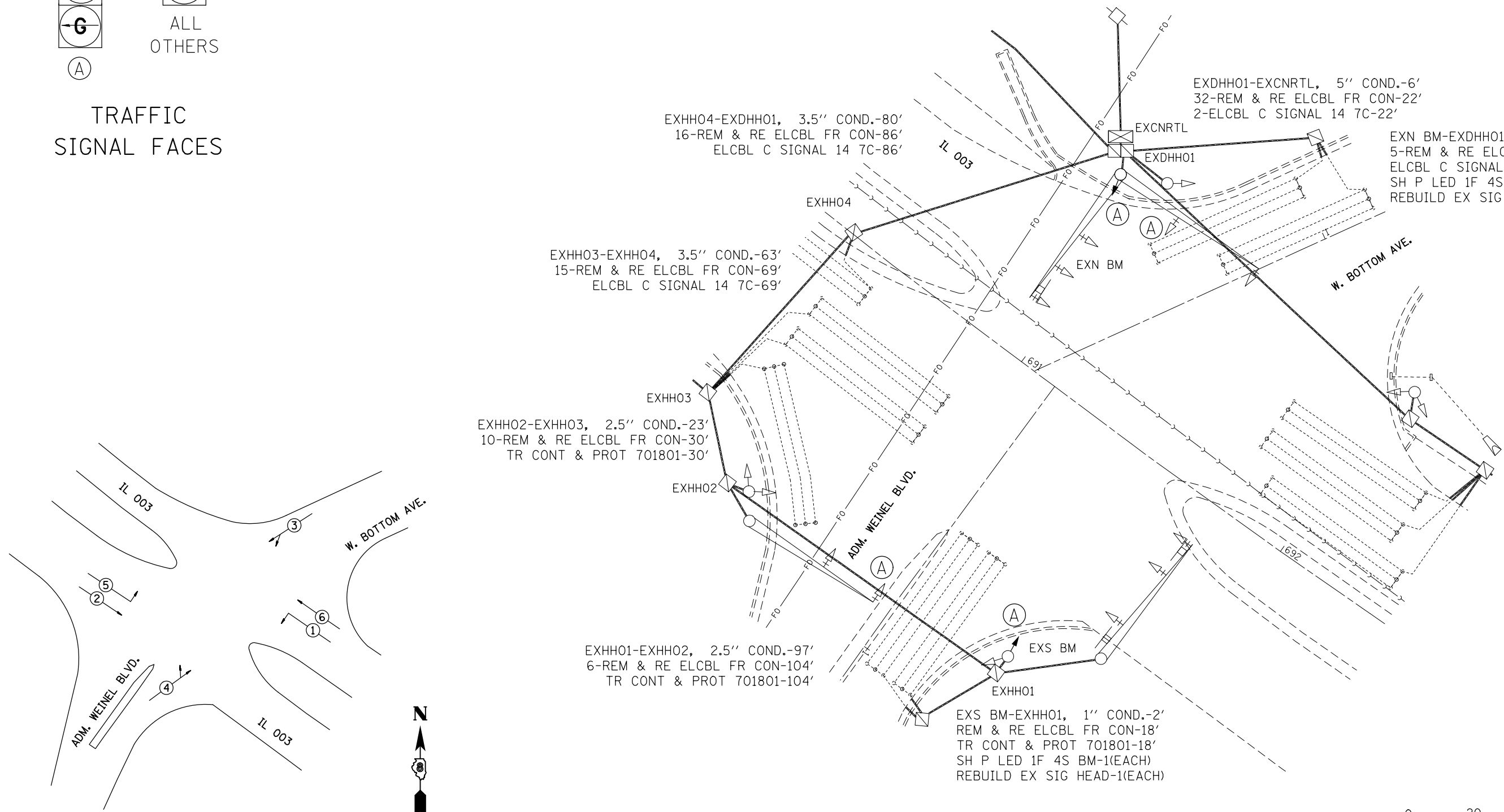
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	7
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL FACES

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



EXHH04-EXDHH01, 3.5" COND.-80'
16-REM & RE ELCBL FR CON-86'
ELCBL C SIGNAL 14 7C-86'

EXHH03-EXHH04, 3.5" COND.-63'
15-REM & RE ELCBL FR CON-69'
ELCBL C SIGNAL 14 7C-69'

EXHH02-EXHH03, 2.5" COND.-23'
10-REM & RE ELCBL FR CON-30'
TR CONT & PROT 701801-30'

EXHH01-EXHH02, 2.5" COND.-97'
6-REM & RE ELCBL FR CON-104'
TR CONT & PROT 701801-104'

EXDHH01-EXCNRTL, 5" COND.-6'
32-REM & RE ELCBL FR CON-22'
2-ELCBL C SIGNAL 14 7C-22'

EXN BM-EXDHH01, 3" COND.-4'
5-REM & RE ELCBL FR CON-20'
ELCBL C SIGNAL 14 7C-20'
SH P LED 1F 4S BM-1(EACH)
REBUILD EX SIG HEAD-1(EACH)

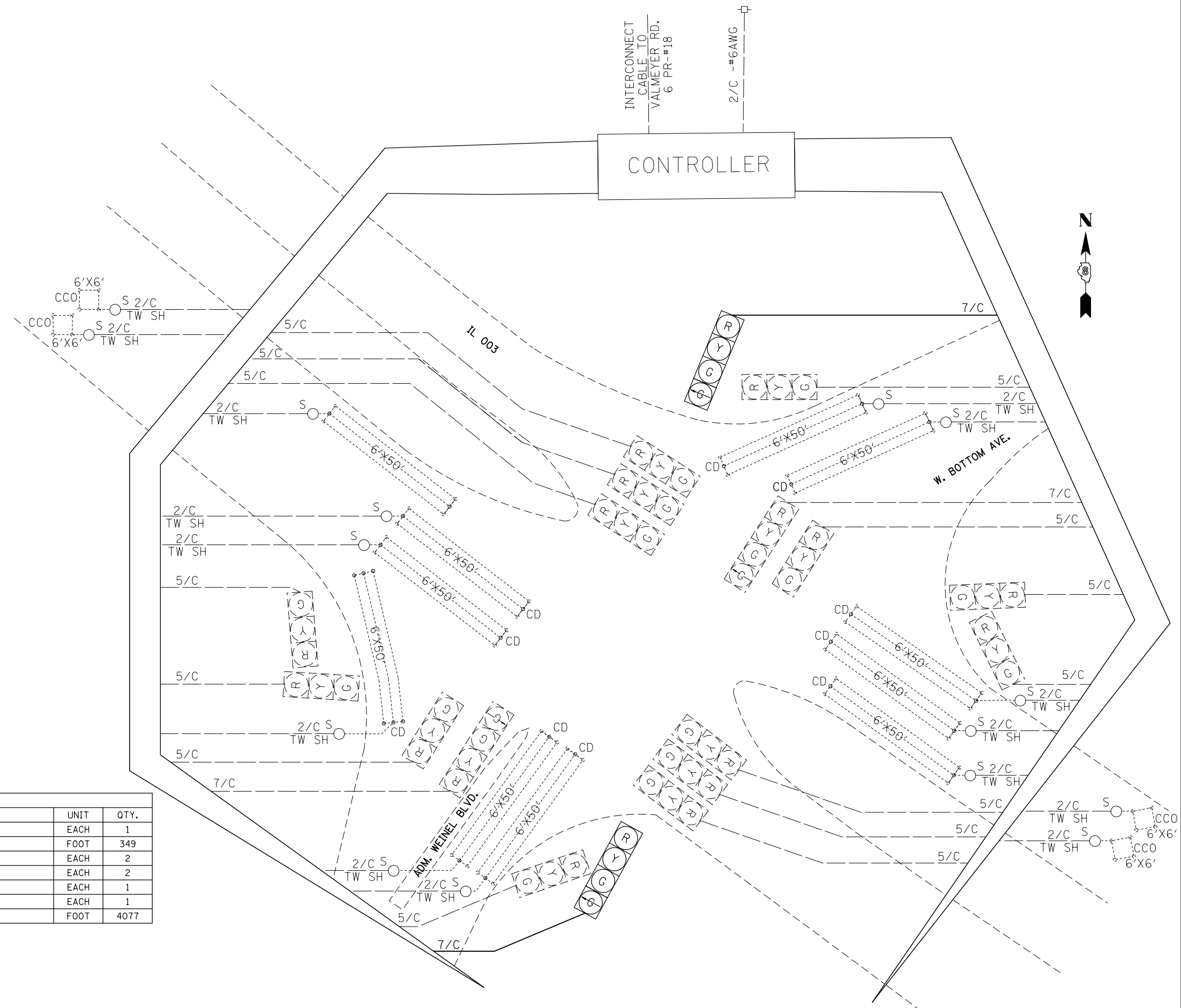
EXS BM-EXHH01, 1" COND.-2'
REM & RE ELCBL FR CON-18'
TR CONT & PROT 701801-18'
SH P LED 1F 4S BM-1(EACH)
REBUILD EX SIG HEAD-1(EACH)

PHASE DESIGNATION DIAGRAM

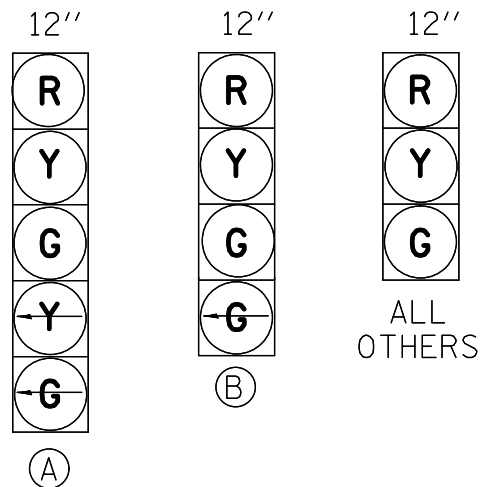


CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	349
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	4077

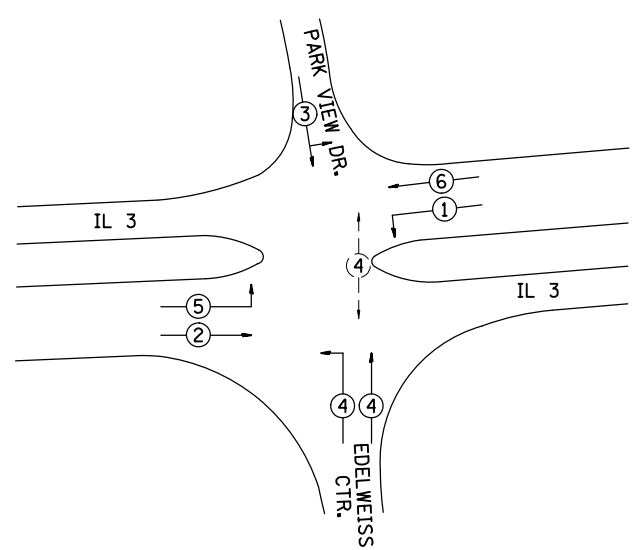


PROPOSED TRAFFIC SIGNAL FACES

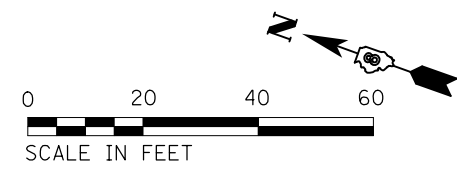
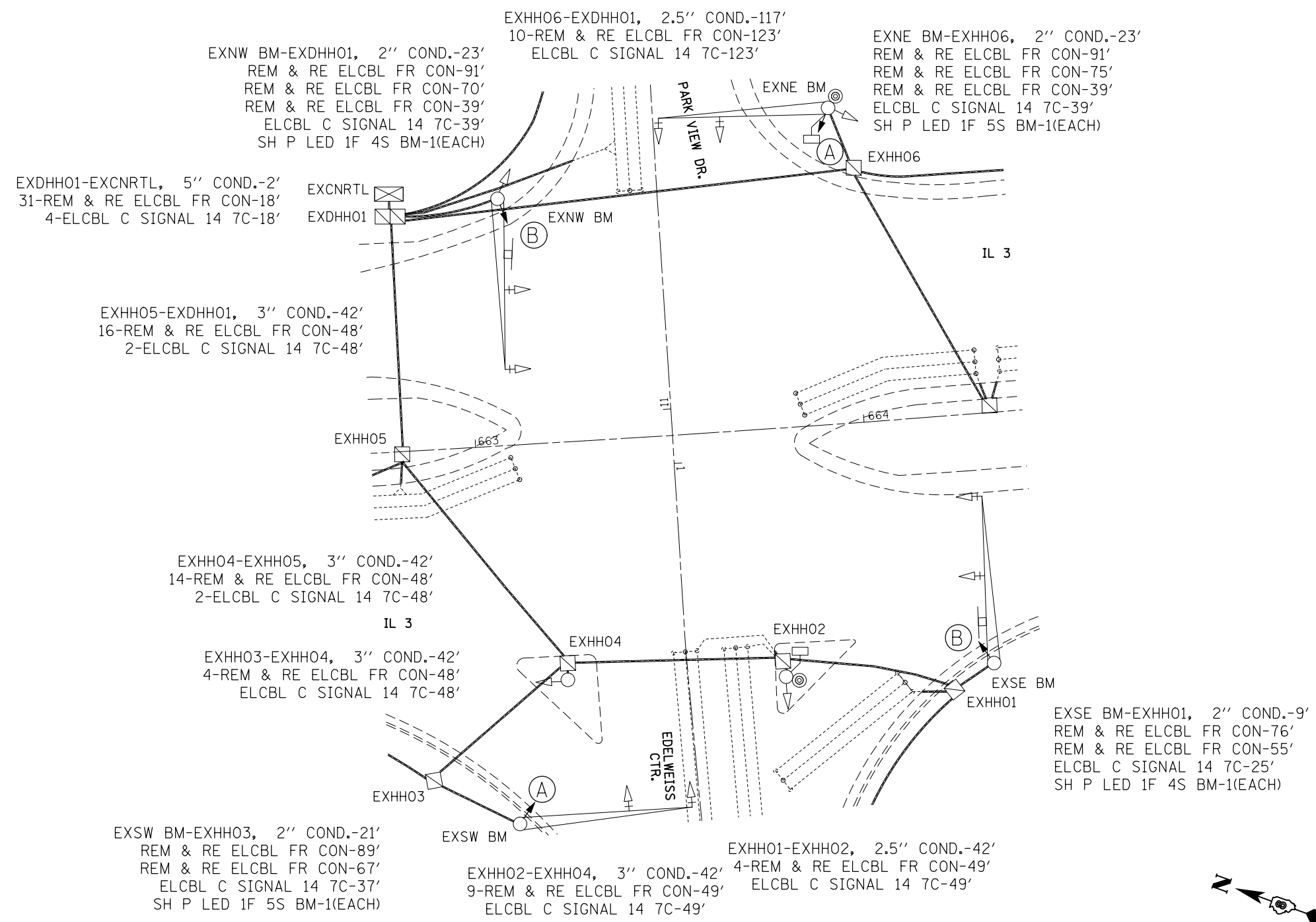
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

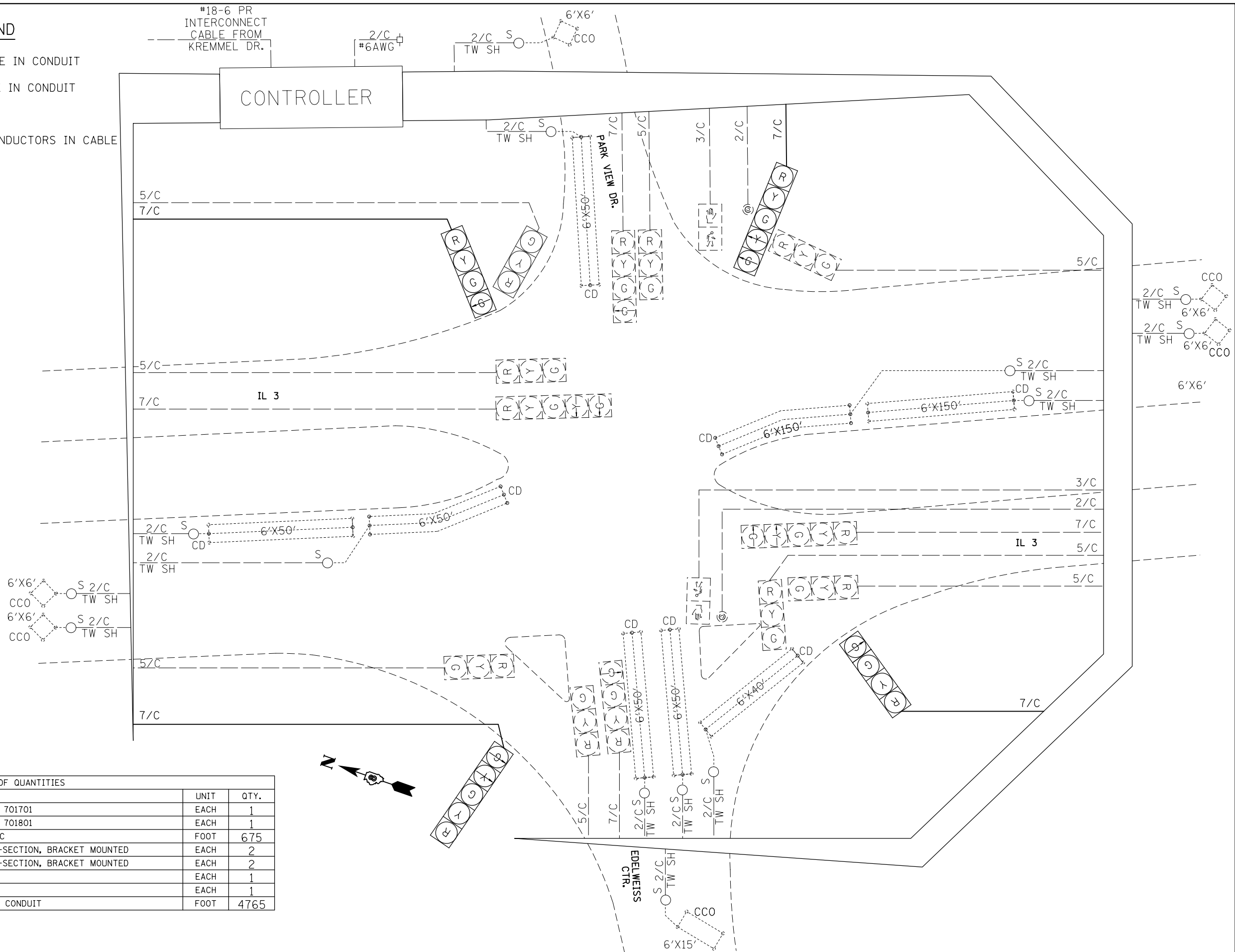


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	675
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	4765

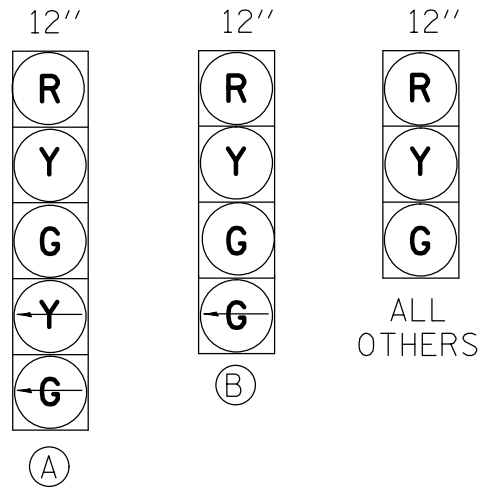
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 3 & EDLWEISS (COLUMBIA, MONROE CNTY.)
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2018-1	•	120	11
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXNW BM-EXHH01, 2" COND.-10'
 REM & RE ELCBL FR CON-85'
 REM & RE ELCBL FR CON-64'
 REM & RE ELCBL FR CON-26'
 ELCBL C SIGNAL 14 7C-26'
 SH P LED 1F 5S BM-1(EACH)

EXHH01-EXHH02, 3" COND.-68'
 4-REM & RE ELCBL FR CON-75'
 ELCBL C SIGNAL 14 7C-75'

EXHH02-EXHH03, 3" COND.-68'
 6-REM & RE ELCBL FR CON-75'
 ELCBL C SIGNAL 14 7C-75'

EXNE BM-EXHH03, 2" COND.-3'
 REM & RE ELCBL FR CON-77'
 REM & RE ELCBL FR CON-56'
 REM & RE ELCBL FR CON-19'
 ELCBL C SIGNAL 14 7C-19'
 SH P LED 1F 4S BM-1(EACH)

EXHH03-EXHH04, 4" COND.-63'
 9-REM & RE ELCBL FR CON-69'
 2-ELCBL C SIGNAL 14 7C-69'

EXHH04-EXDHH01, 4" COND.-97'
 13-REM & RE ELCBL FR CON-104'
 2-ELCBL C SIGNAL 14 7C-104'

EXSW BM-EXHH06, 2" COND.-8'
 REM & RE ELCBL FR CON-83'
 REM & RE ELCBL FR CON-62'
 REM & RE ELCBL FR CON-24'
 ELCBL C SIGNAL 14 7C-24'
 SH P LED 1F 4S BM-1(EACH)

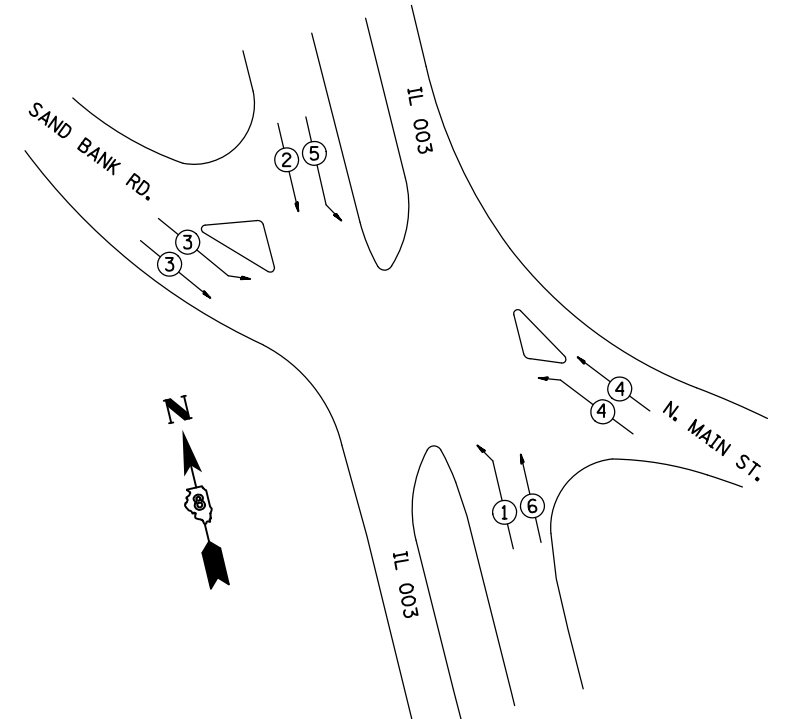
EXSE BM-EXDHH01, 2" COND.-10'
 REM & RE ELCBL FR CON-85'
 REM & RE ELCBL FR CON-64'
 REM & RE ELCBL FR CON-26'
 ELCBL C SIGNAL 14 7C-26'
 SH P LED 1F 5S BM-1(EACH)

EXHH06-EXHH07, 2.5" COND.-87'
 5-REM & RE ELCBL FR CON-94'
 ELCBL C SIGNAL 14 7C-94'

EXHH07-EXHH08, 2.5" COND.-59'
 5-REM & RE ELCBL FR CON-66'
 ELCBL C SIGNAL 14 7C-66'

EXHH08-EXDHH01, 3" COND.-63'
 7-REM & RE ELCBL FR CON-70'
 ELCBL C SIGNAL 14 7C-70'

EXDHH01-EXCNRTL, 4" COND.-2'
 23-REM & RE ELCBL FR CON-8'
 4-ELCBL C SIGNAL 14 7C-8'



PHASE DESIGNATION DIAGRAM

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL RTE 3 & N MAIN ST (COLUMBIA, MONROE CNTY.)
 TRAFFIC SIGNAL PLAN



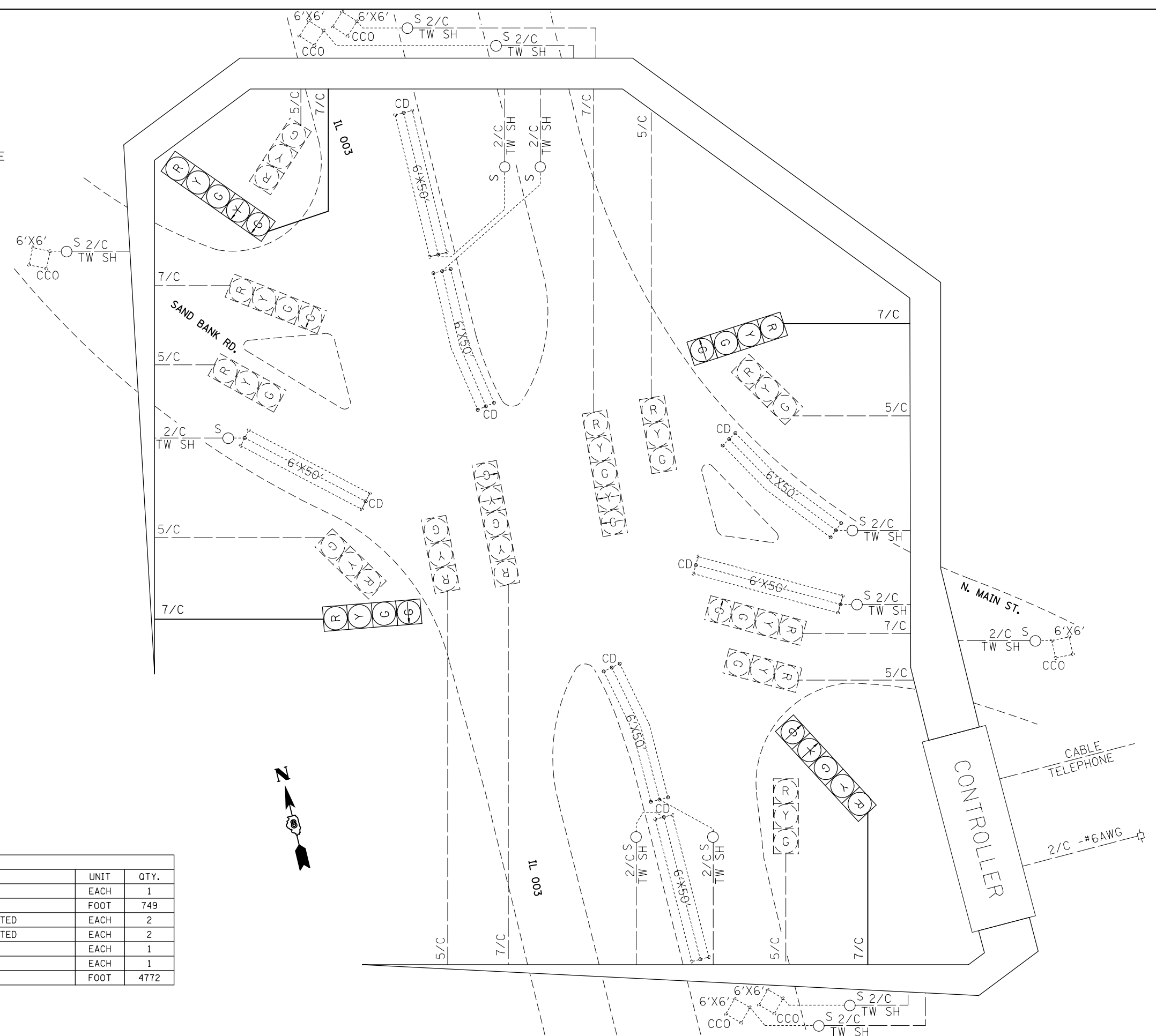
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SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	12
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION

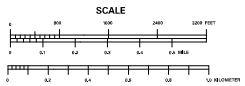


SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010267	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	749
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 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	4772

#1 LEBANON & SOUTHWIND

#1

BELLEVILLE



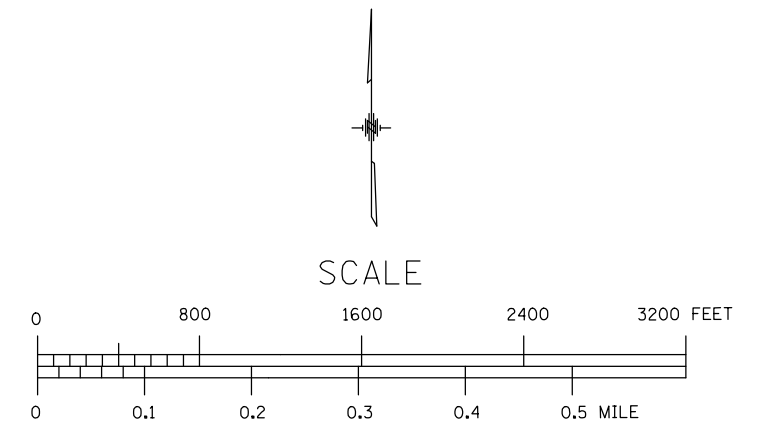
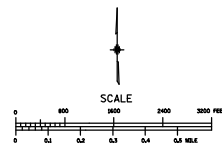
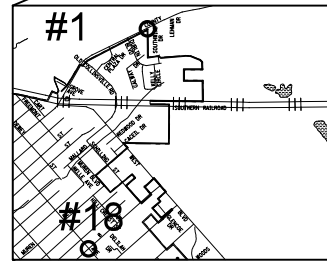
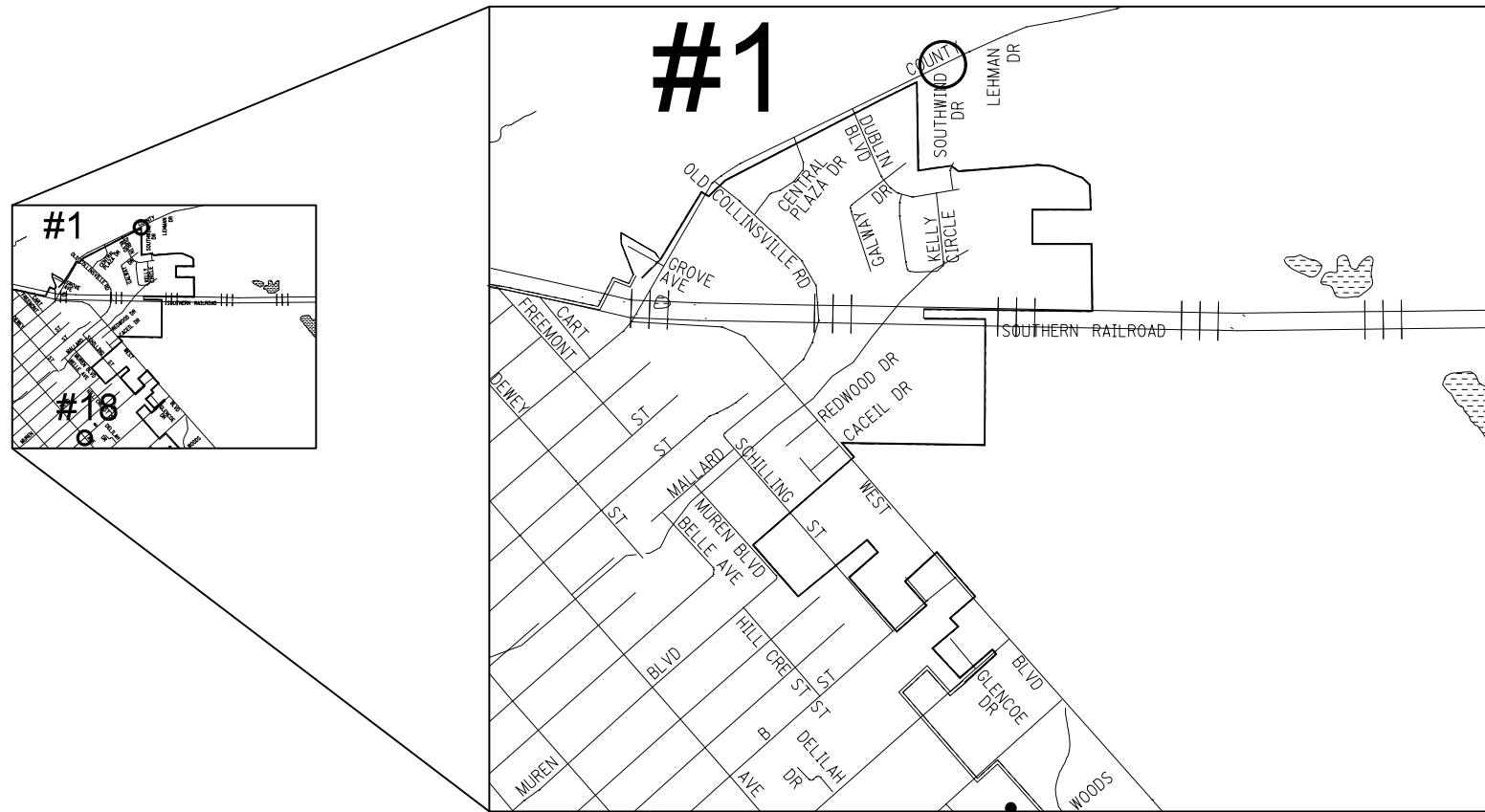
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION			
MAP BELLEVILLE, ST. CLAIR CNTY. (1 OF 2)			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	14
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

#1 LEBANON & SOUTHWIND

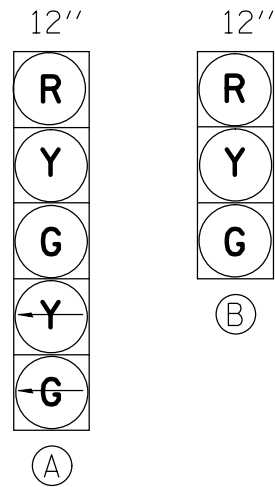


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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION			
MAP BELLEVILLE, ST. CLAIR CNTY. (2 OF 2)			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

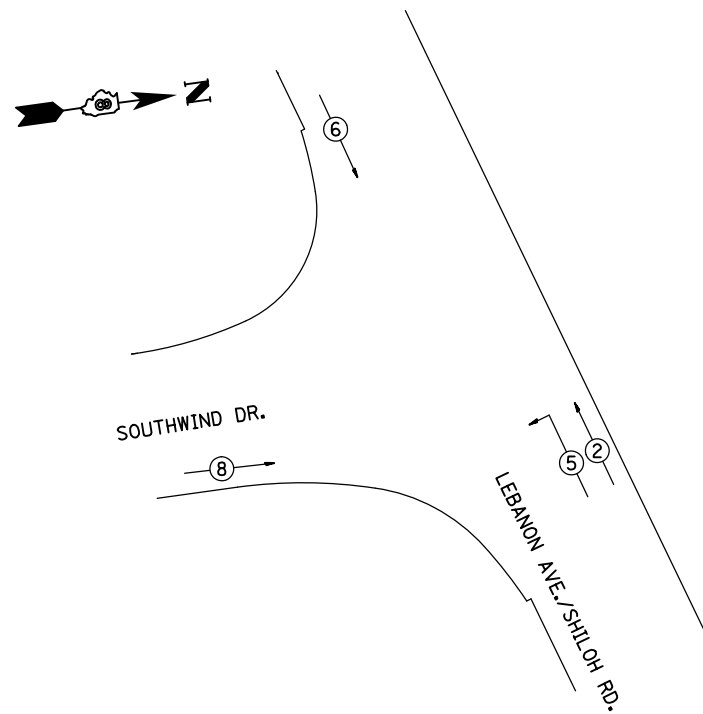
		***CLINTON & ST. CLAIR	
RTE.	SECTION	COUNTY	TOTAL SHEETS
•	DIST 8 TS 2018-1	•	120
•=VARIOUS		CONTRACT NO. 76J24	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	SHEET NO. 15



PROPOSED TRAFFIC SIGNAL FACES

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

PRSW BM-EXHHO1, PROP. 1.5 COND.-8'
 LOCATE UNDERGR CABLE-8'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2-8'
 DRILL EX HANDHOLE-1 (EACH)
 TS POST A 14-1 (EACH)
 ELCBL C SIGNAL 14 5C-24'
 ELCBL C SIGNAL 14 7C-24'
 SH P LED 1F 3S BM-1 (EACH)
 SH P LED 1F 5S BM-1 (EACH)

EXNW BM-EXDHHO1, EX. 2 COND.-76'
 REM & RE ELCBL FR CON-66'
 REM & RE ELCBL FR CON-46'
 ELCBL C SIGNAL 14 5C-23'
 SH P LED 1F 3S BM-1(EACH)

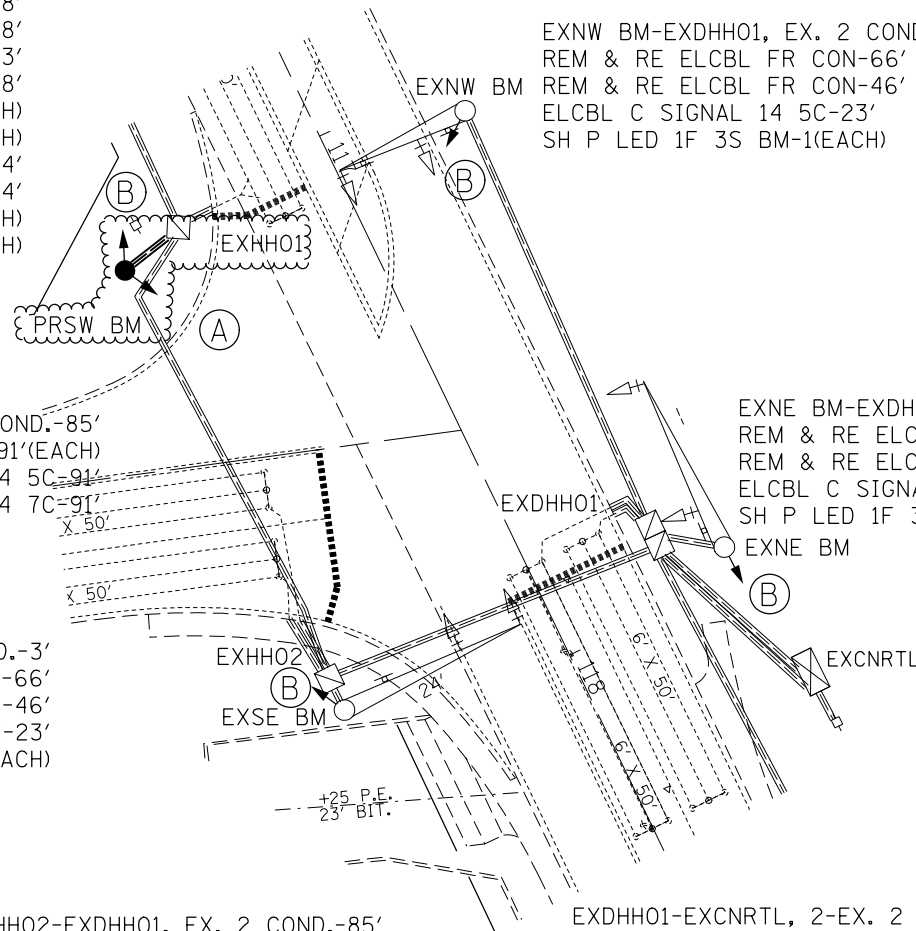
EXHHO1-EXHHO2, EX. 2 COND.-85'
 2-REM & RE ELCBL FR CON-91'(EACH)
 ELCBL C SIGNAL 14 5C-91'
 ELCBL C SIGNAL 14 7C-91'

EXNE BM-EXDHHO1, EX. 2 COND.-9'
 REM & RE ELCBL FR CON-66'
 REM & RE ELCBL FR CON-46'
 ELCBL C SIGNAL 14 5C-23'
 SH P LED 1F 3S BM-1(EACH)
 EXNE BM

EXSE BM-EXHHO2, EX. 2 COND.-3'
 REM & RE ELCBL FR CON-66'
 REM & RE ELCBL FR CON-46'
 ELCBL C SIGNAL 14 5C-23'
 SH P LED 1F 3S BM-1(EACH)

EXHHO2-EXDHHO1, EX. 2 COND.-85'
 6-REM & RE ELCBL FR CON-91'(EACH)
 2-ELCBL C SIGNAL 14 5C-91'
 ELCBL C SIGNAL 14 7C-91'

EXDHHO1-EXCNRTL, 2-EX. 2 COND.-34'(EACH)
 13-REM & RE ELCBL FR CON-40'(EACH)
 4-ELCBL C SIGNAL 14 5C-40'
 ELCBL C SIGNAL 14 7C-40'



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

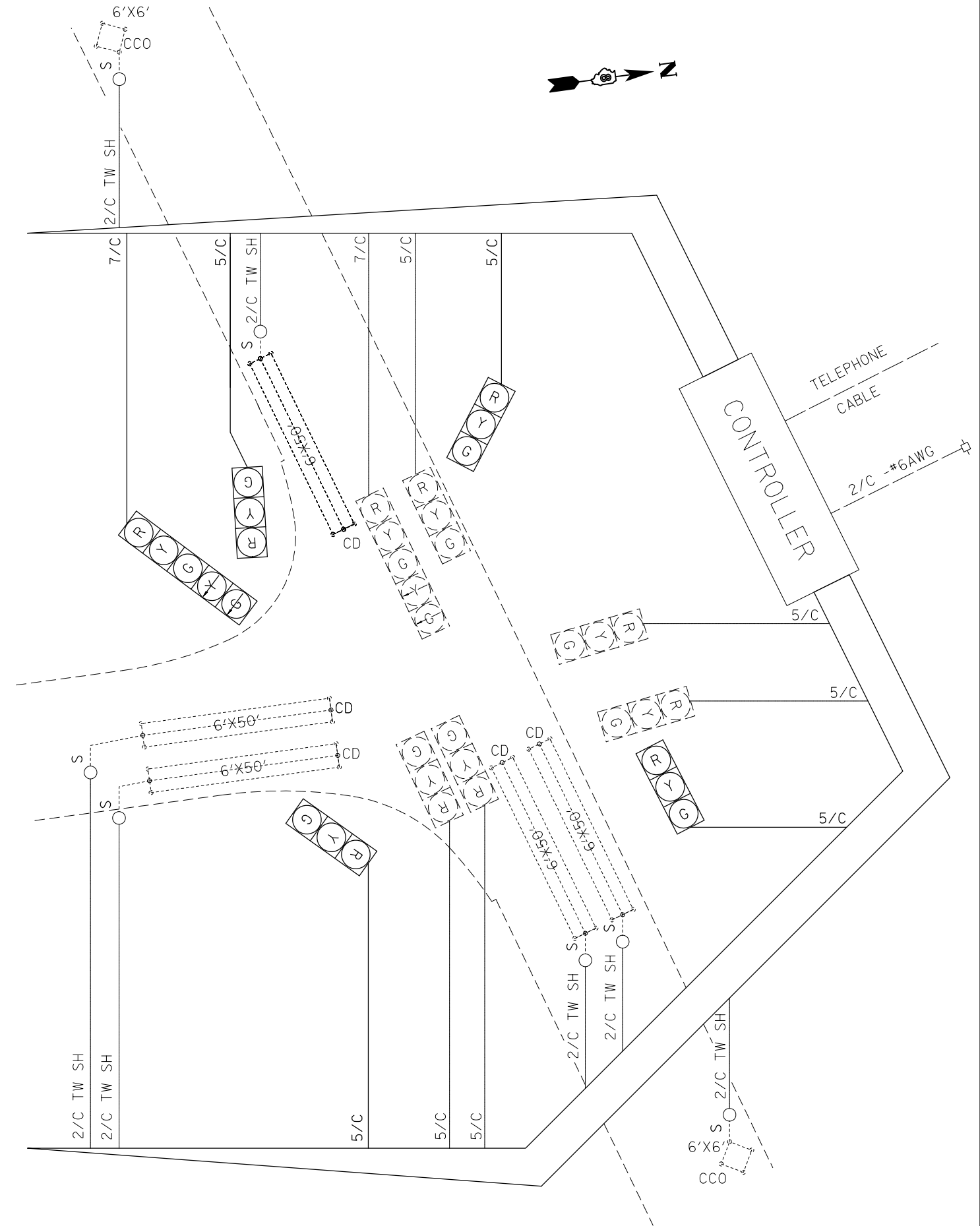
LEBANON & SOUTHWIND (E OF BELLEVILLE, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	16
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	8
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	8
81301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	581
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	231
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	4
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1640

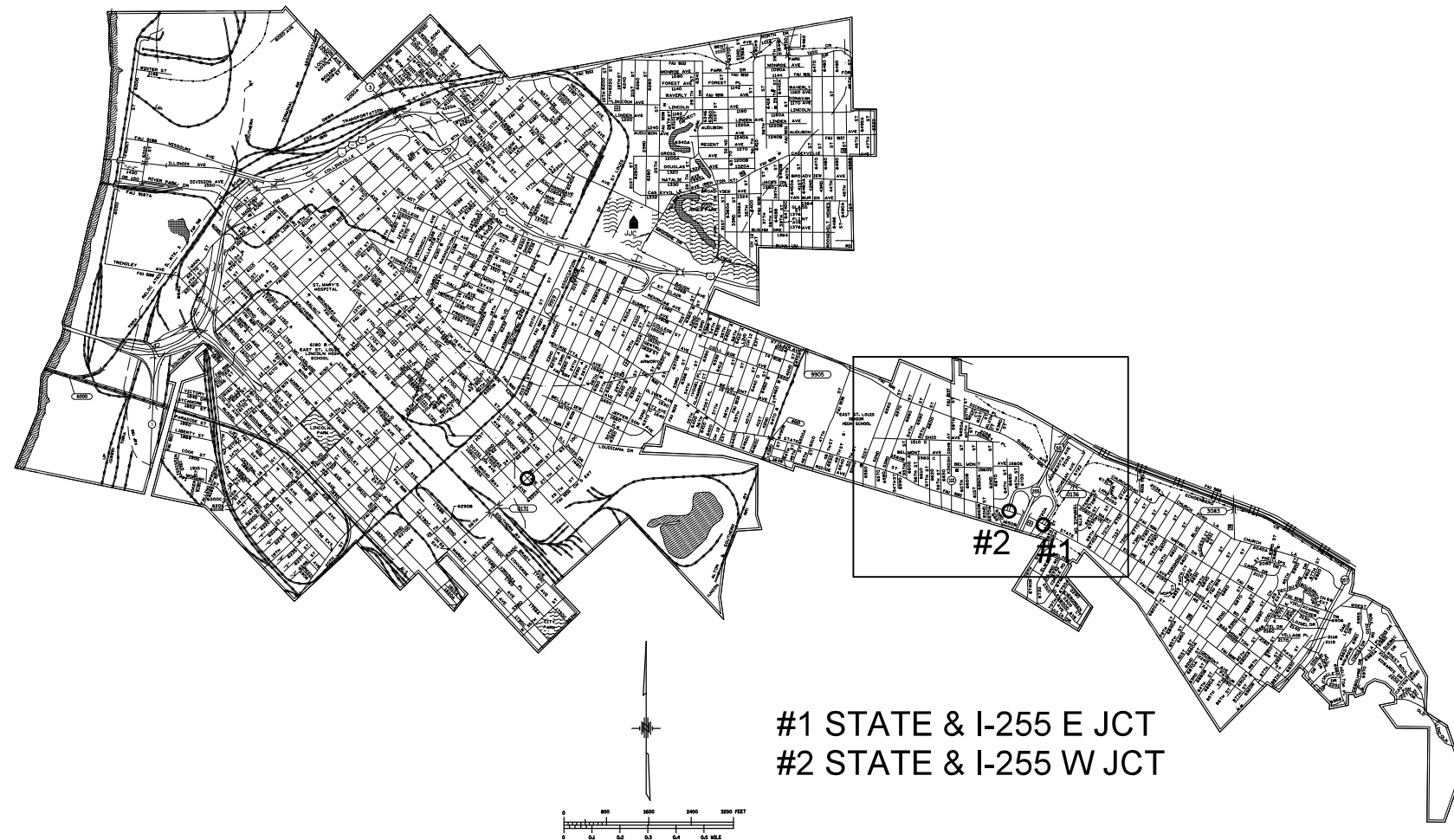
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LEBANON & SOUTHWIND (E OF BELLEVILLE, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	17
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



#1 STATE & I-255 E JCT
 #2 STATE & I-255 W JCT

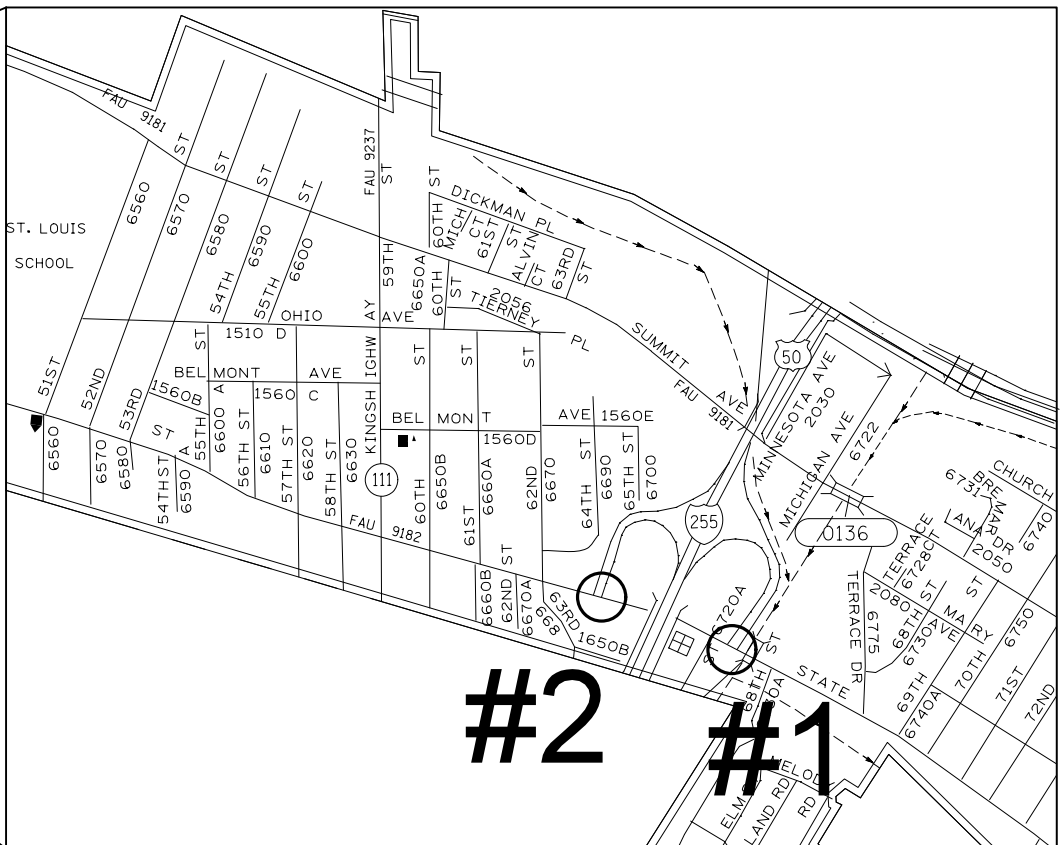
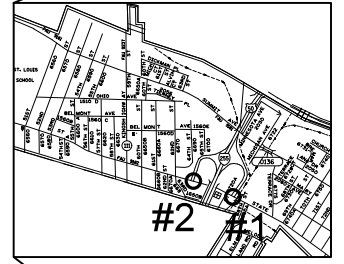
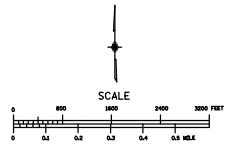
E. ST. LOUIS

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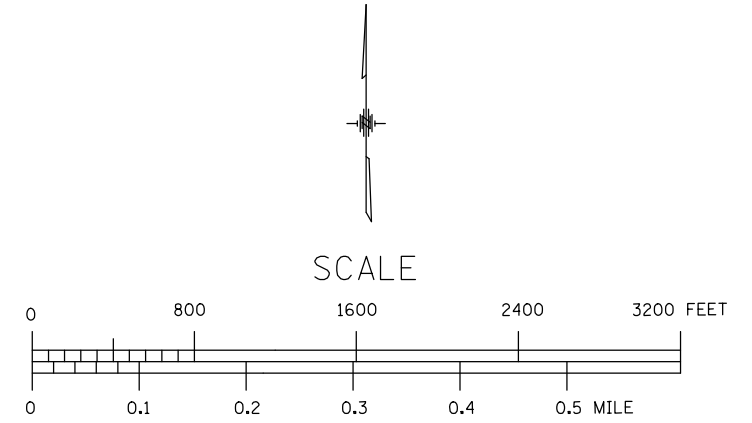
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	18
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



#1 STATE & I-255 E JCT
 #2 STATE & I-255 W JCT



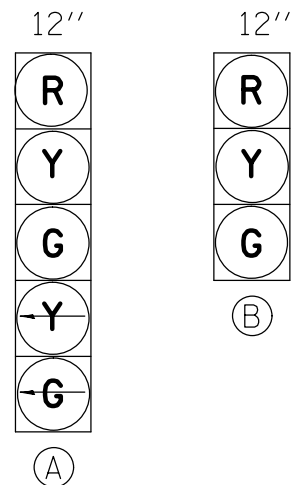
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	19
CONTRACT NO. 76J24				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

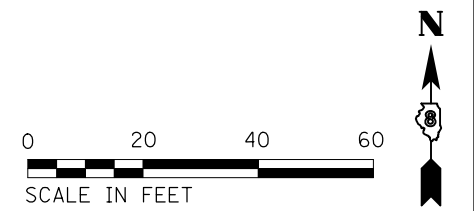
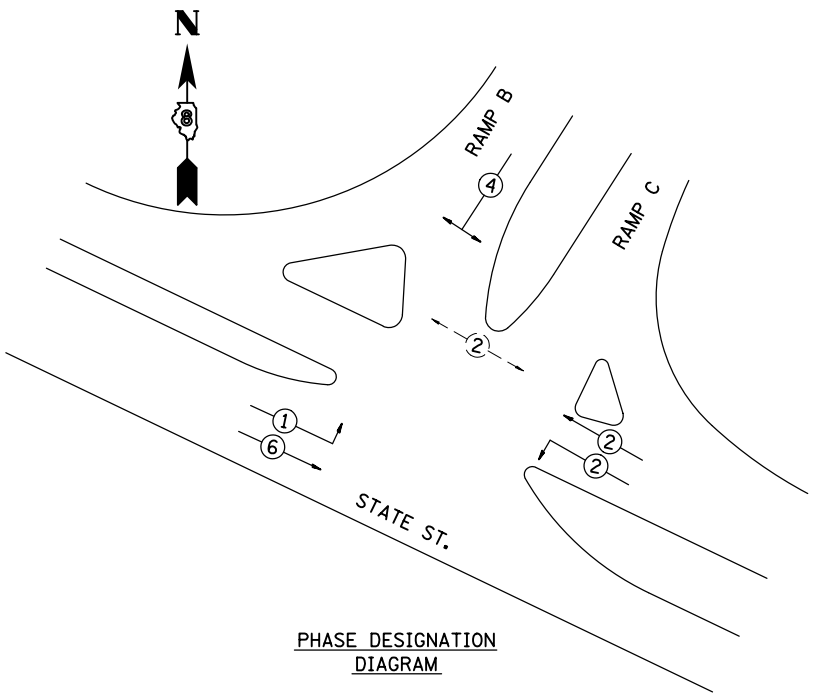
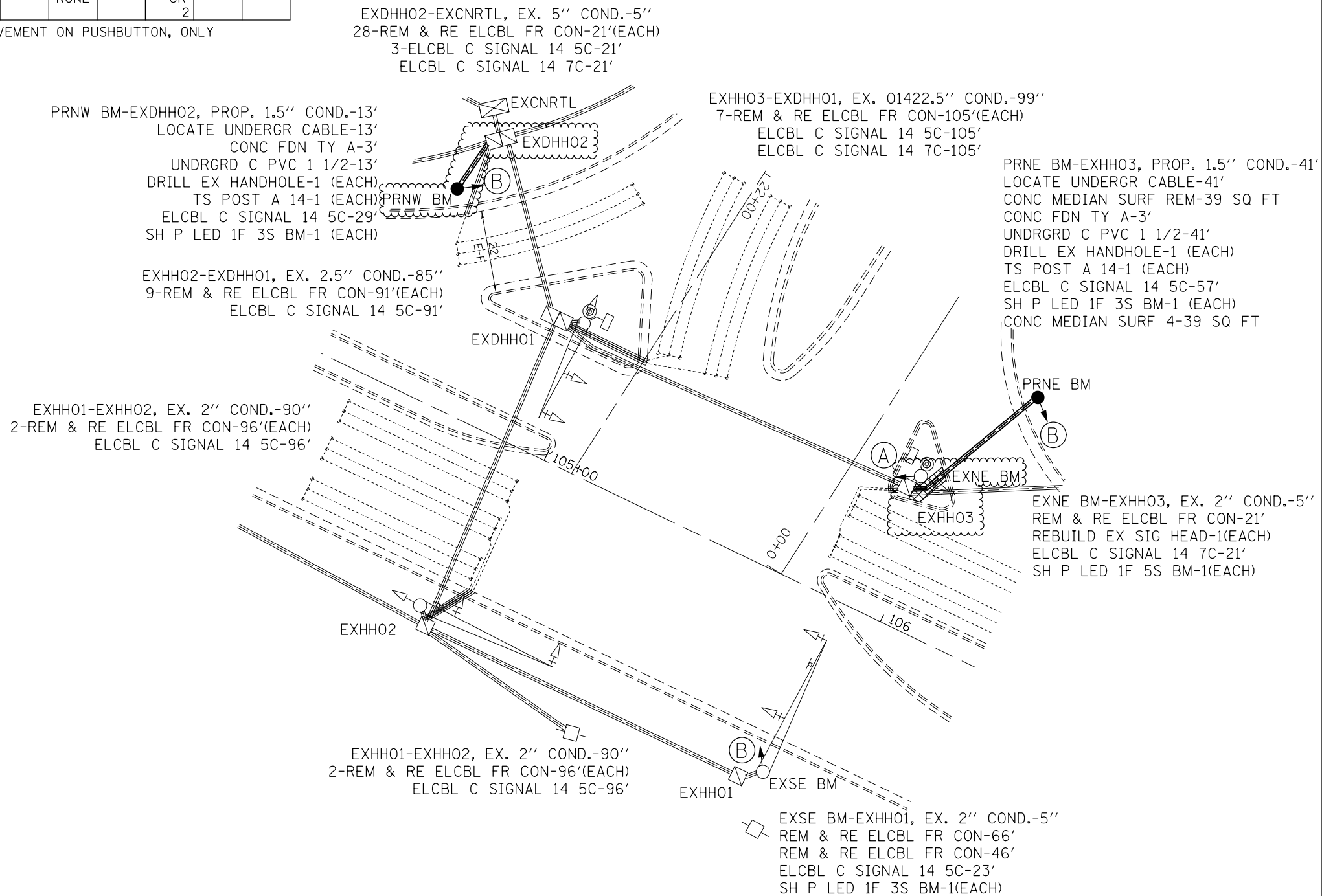


PROPOSED TRAFFIC SIGNAL FACES

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

PEDSTRIAN MOVEMENT ON PUSHBUTTON, ONLY

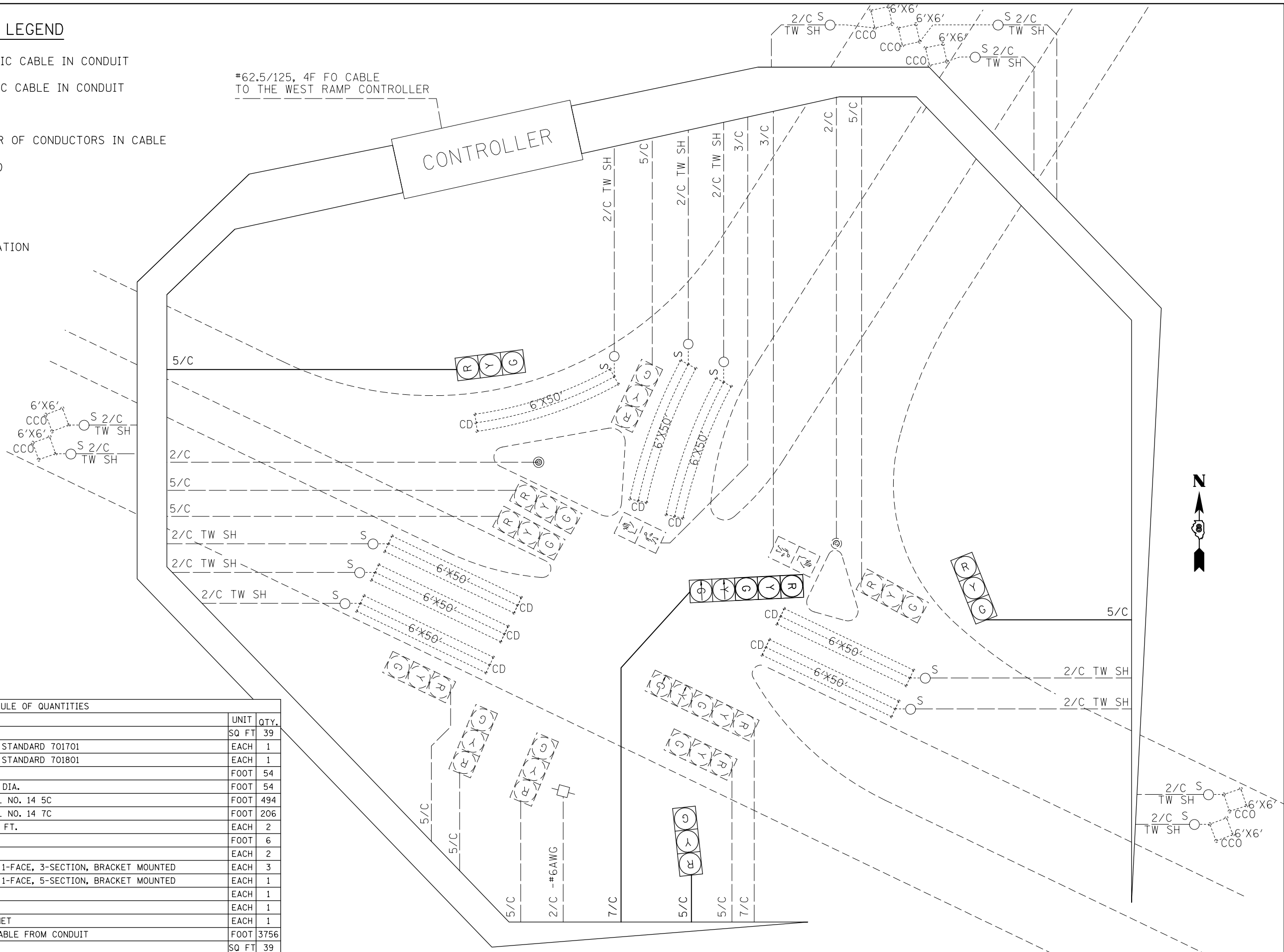
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION

#62.5/125, 4F FO CABLE
TO THE WEST RAMP CONTROLLER



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	39
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	54
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	54
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	494
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	206
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	2
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3756
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	39

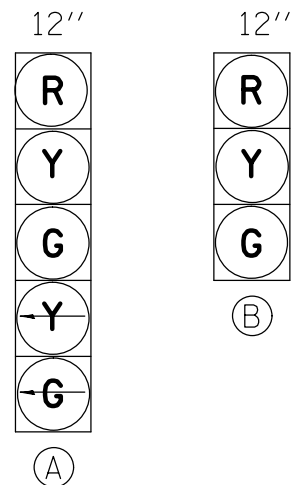
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE & I-255 E JCT (ST. CLAIR CNTY.)
WIRING DIAGRAM

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

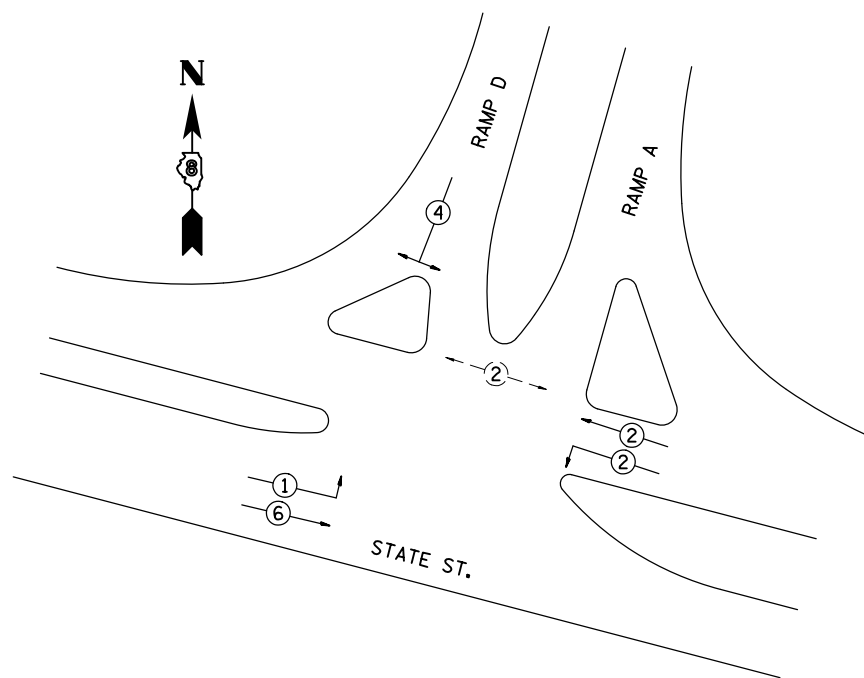
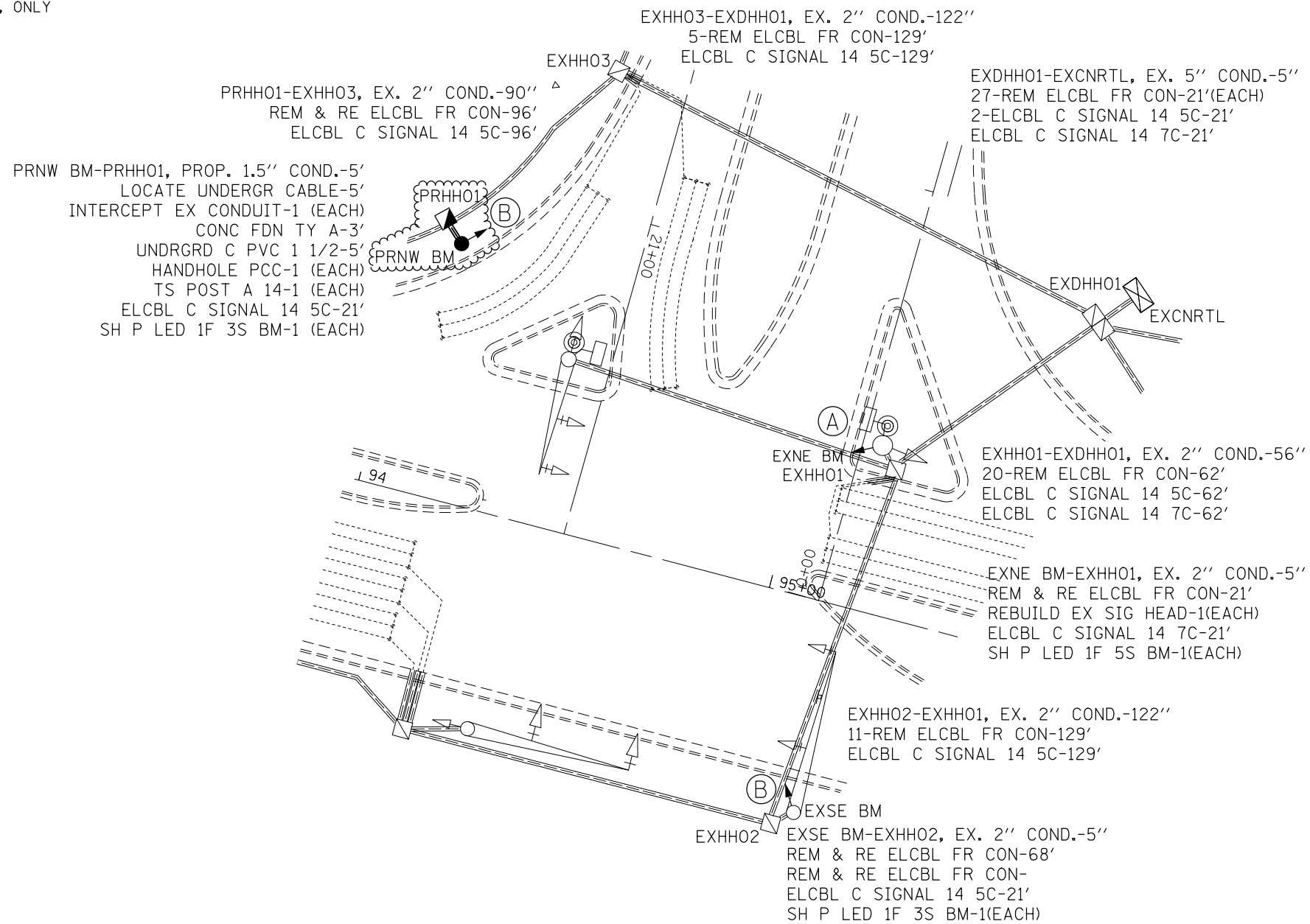


PROPOSED TRAFFIC SIGNAL FACES

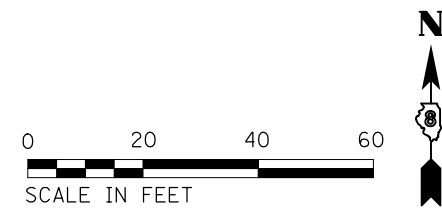
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	EBLT	EB	NOT USED	SBLT SBRT	NOT USED	WB	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	6	6		NONE		1 OR 2		

PEDSTRIAN MOVEMENT ON PUSHBUTTON, ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



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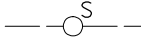
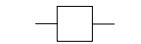
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

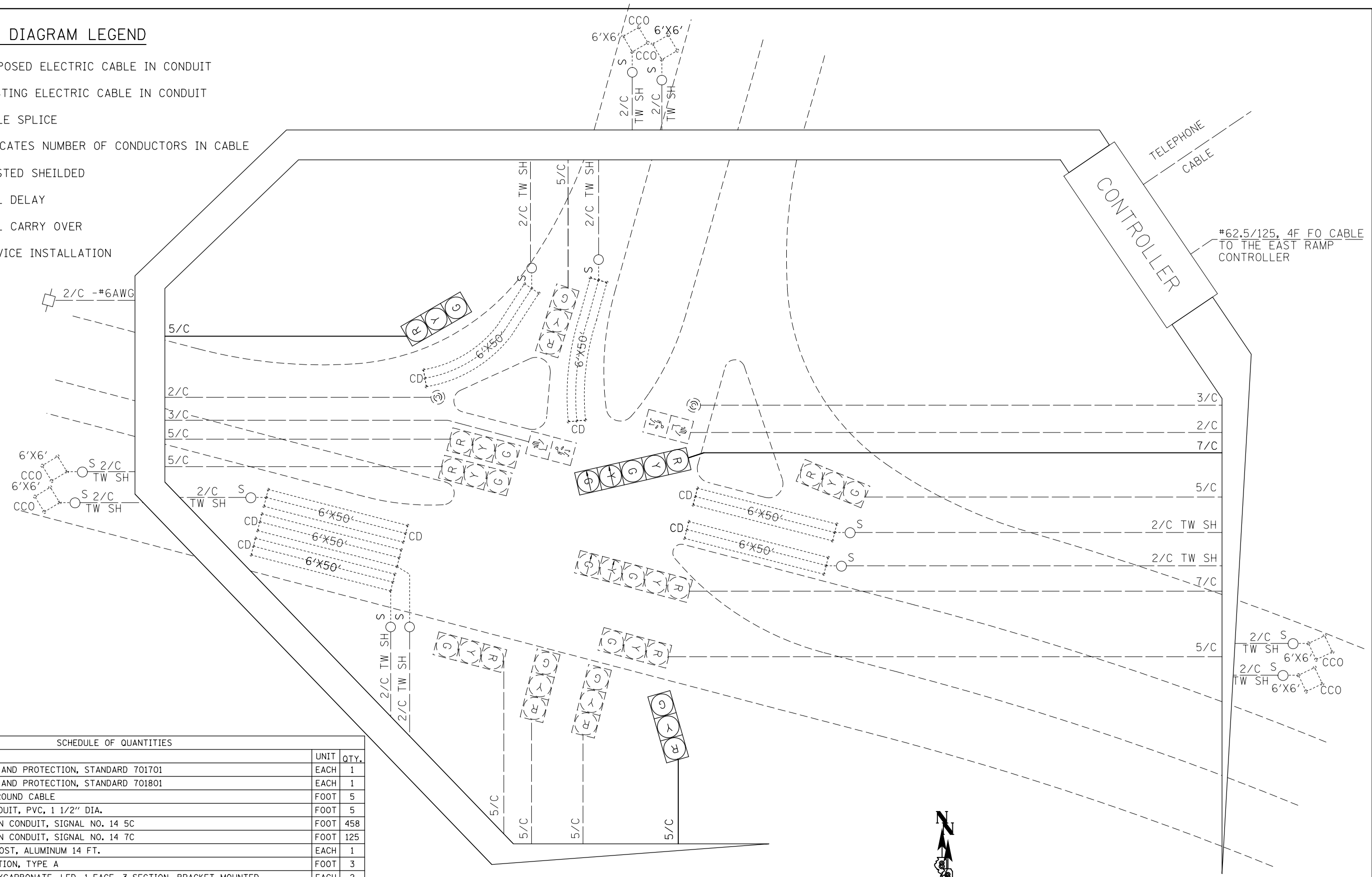
STATE & I-255 W JCT (ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	22
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
-  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
80300100	LOCATING UNDERGROUND CABLE	FOOT	5
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	5
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	458
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	125
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	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	4100
X8100863	INTERCEPT EXISTING CONDUIT	EACH	1

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

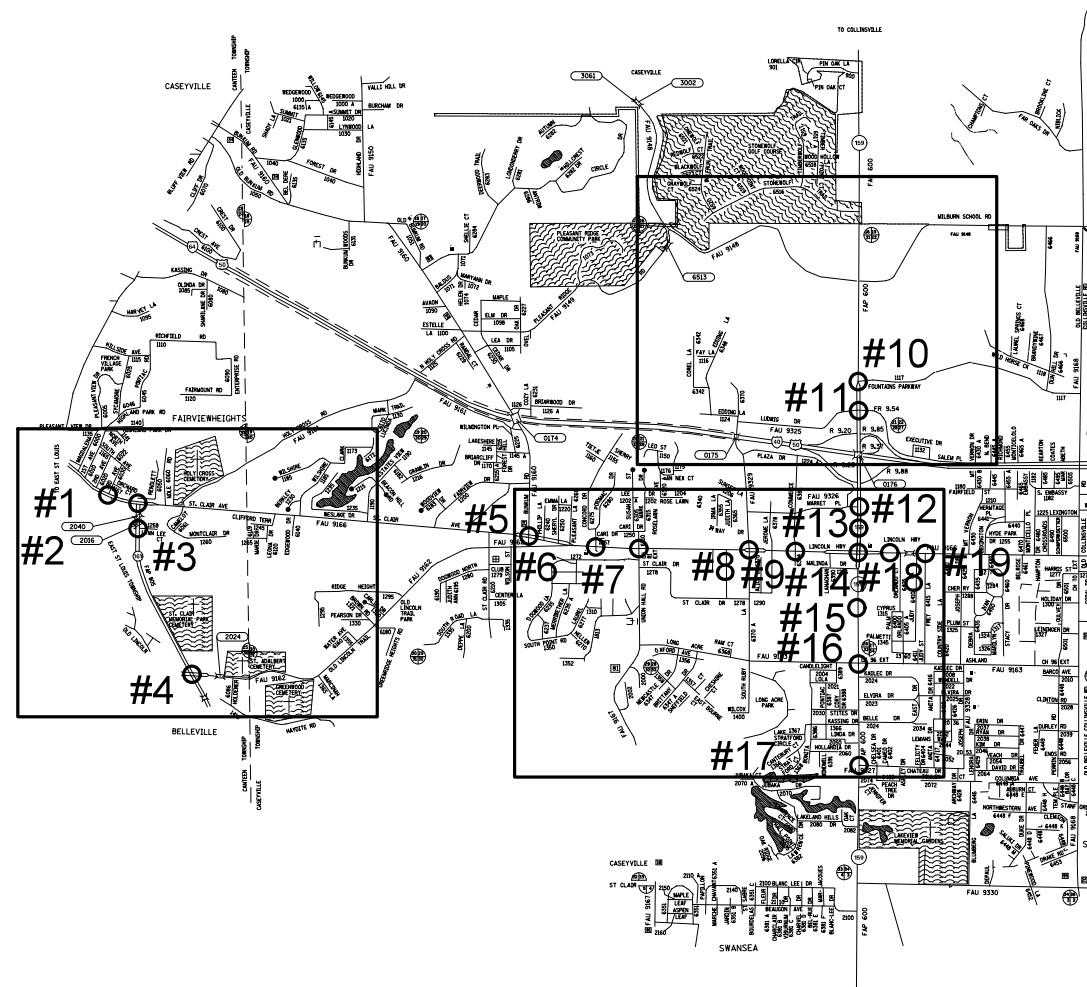
**STATE & I-255 W JCT (ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

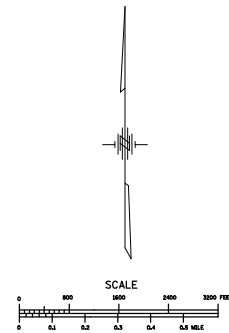


#1 ST. CLAIR & 3RD
 #2 IL 161 & ST. CLAIR
 #3 IL 161 & LYNN LEE
 #4 IL 161 & OLD LINCOLN TRAIL



#10 IL 159 & FOUNTAINS PKWY
 #11 IL 159 & LUDWIG

#5 ST. CLAIR & BUNKUM
 #6 LINCOLN TRAIL & POTOMAC
 #7 LINCOLN TRAIL & MARK
 #8 LINCOLN TRAIL & RUBY
 #9 LINCOLN TRAIL & COMMERCE
 #12 IL 159 & MARKET/ST. CLAIR SQ-N ENT
 #13 IL 159 & ST CLAIR SQ-S ENT
 #14 IL 159 & LINCOLN TRAIL
 #15 IL 159 & LINCOLN PLACE
 #16 IL 159 & LONGACRE
 #17 IL 159 & CHATEAU
 #18 LINCOLN TRAIL & ST. CLAIR SQ ENT
 #19 LINCOLN & FREY



FAIRVIEW HEIGHTS

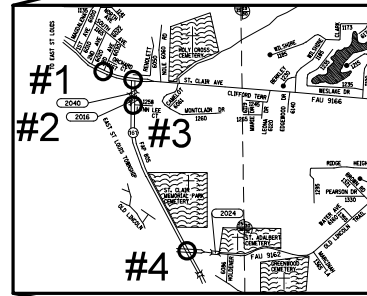
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

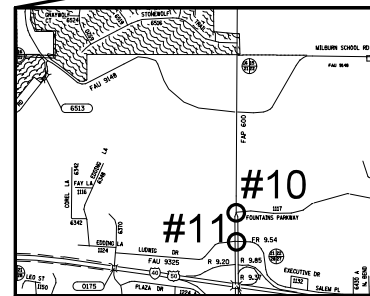
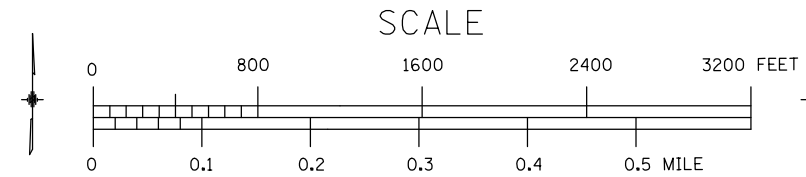
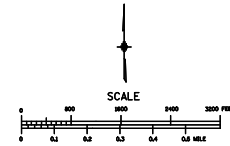
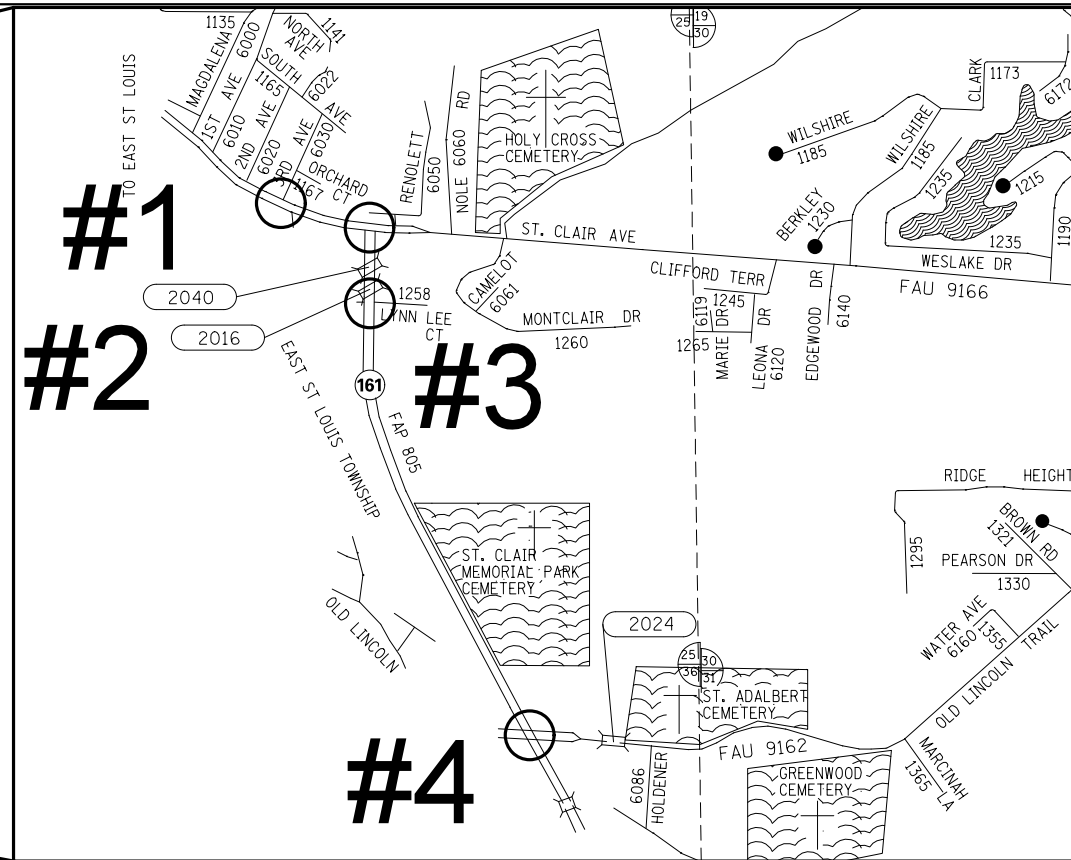
LOCATION MAP
 FAIRVIEW HEIGHTS, ST. CLAIR CNTY.
 1 OF 3

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

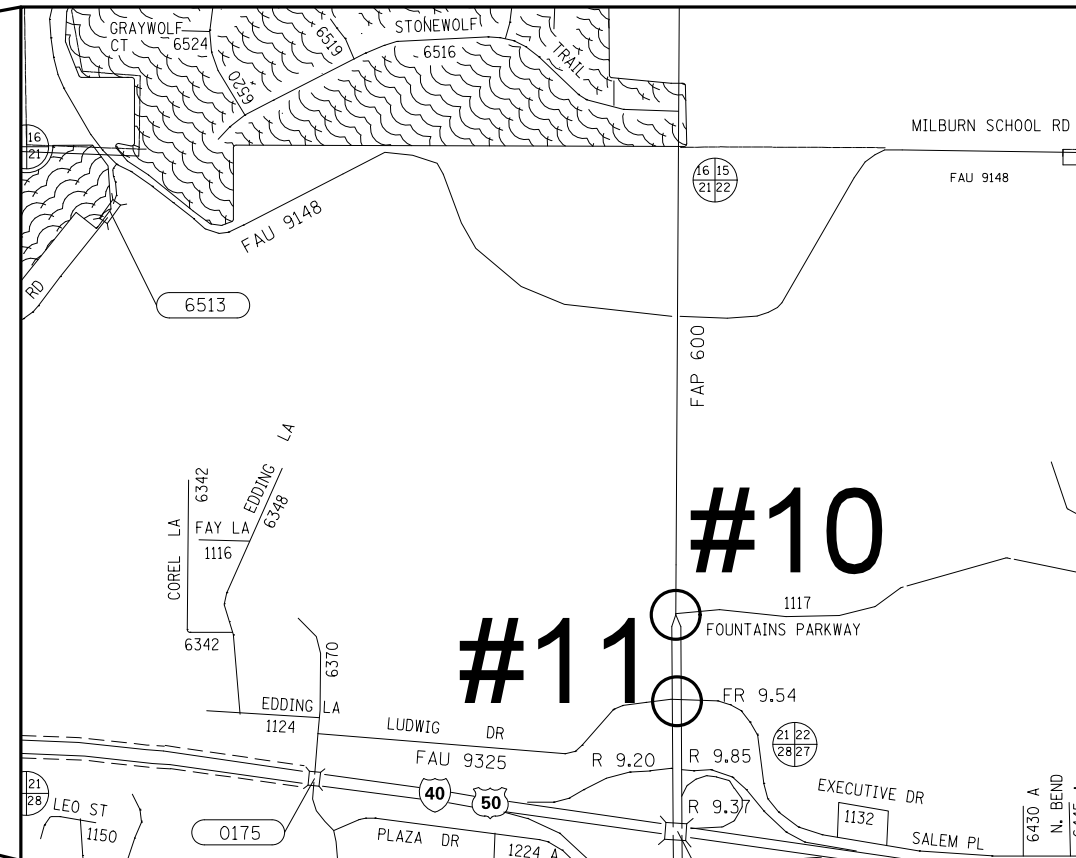
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*	DIST 8 TS 2018-1	*	120	24
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



#1 ST. CLAIR & 3RD
 #2 IL 161 & ST. CLAIR
 #3 IL 161 & LYNN LEE
 #4 IL 161 & OLD LINCOLN TRAIL



#10 IL 159 & FOUNTAINS PKWY
 #11 IL 159 & LUDWIG



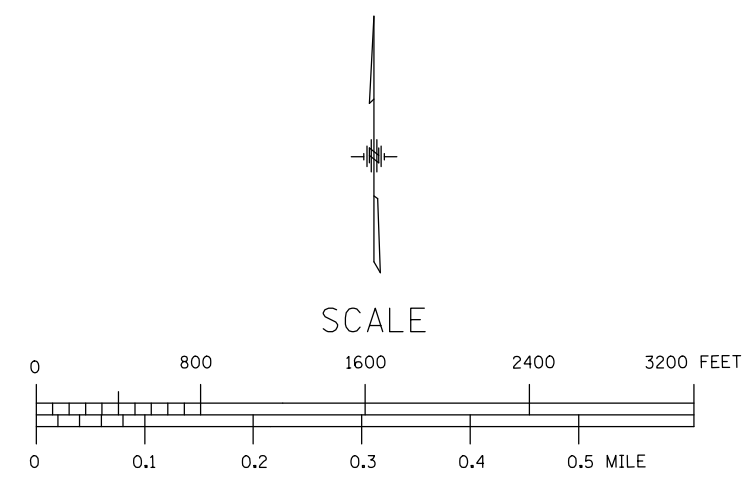
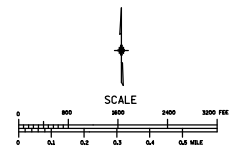
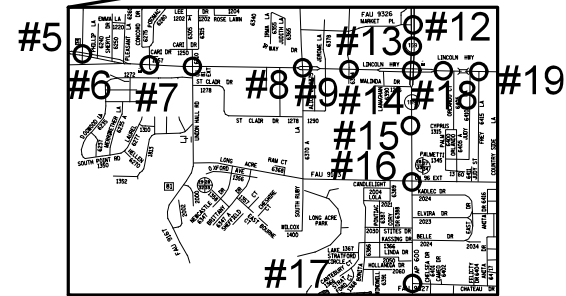
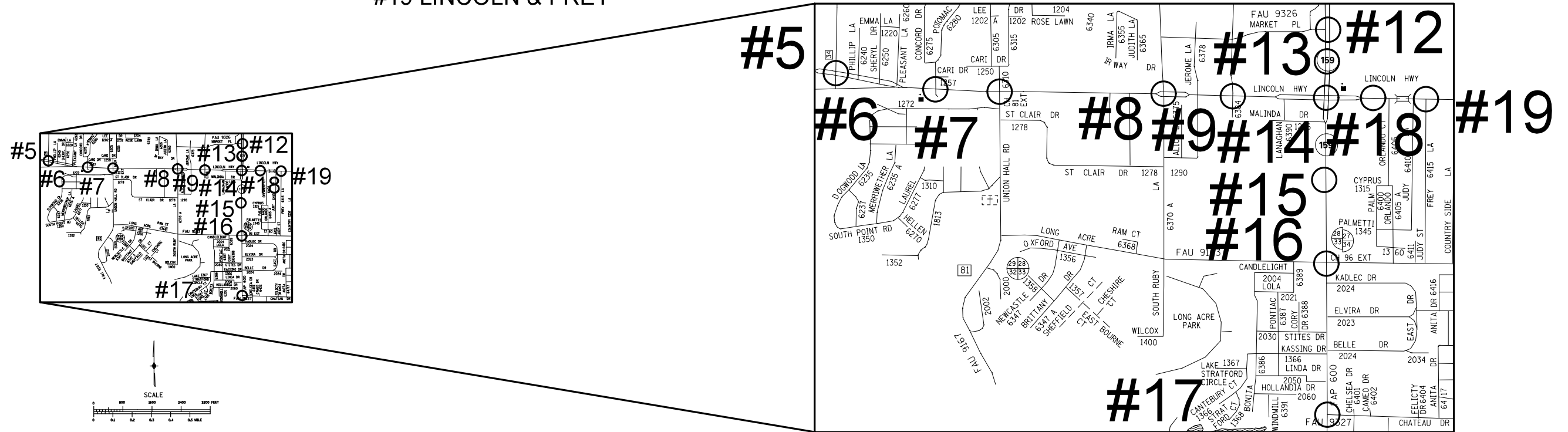
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION MAP			
FAIRVIEW HEIGHTS, ST. CLAIR CNTY.			
2 OF 3			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DIST 8 TS 2018-1		120	25
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

- #5 ST. CLAIR & BUNKUM
- #6 LINCOLN TRAIL & POTOMAC
- #7 LINCOLN TRAIL & MARK
- #8 LINCOLN TRAIL & RUBY
- #9 LINCOLN TRAIL & COMMERCE
- #12 IL 159 & MARKET/ST. CLAIR SQ-N ENT
- #13 IL 159 & ST CLAIR SQ-S ENT
- #14 IL 159 & LINCOLN TRAIL
- #15 IL 159 & LINCOLN PLACE
- #16 IL 159 & LONGACRE
- #17 IL 159 & CHATEAU
- #18 LINCOLN TRAIL & ST. CLAIR SQ ENT
- #19 LINCOLN & FREY



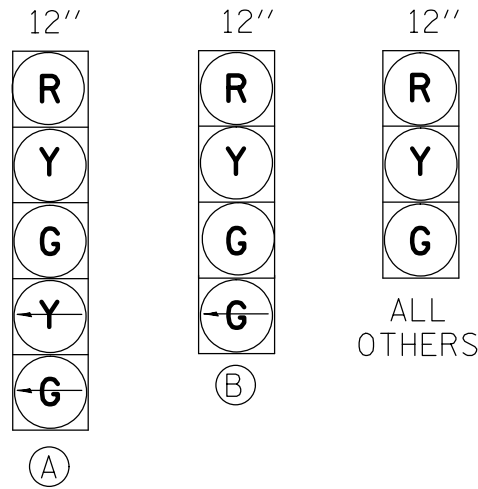
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
FAIRVIEW HEIGHTS, ST. CLAIR CNTY.
3 OF 3**

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

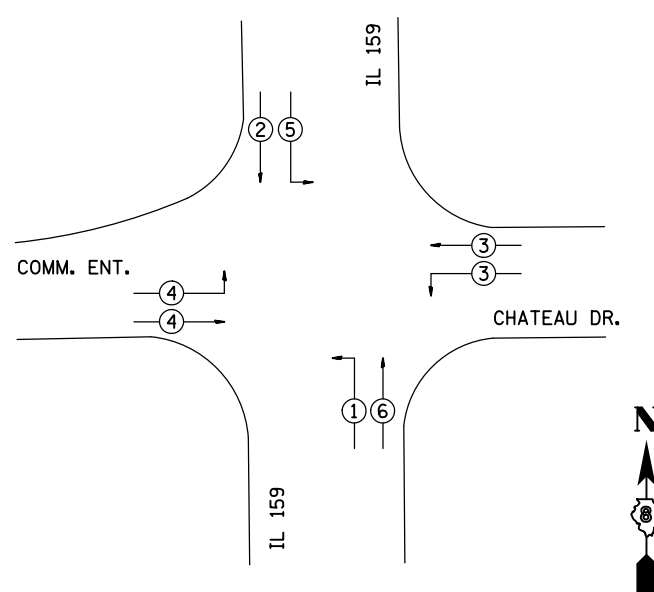
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* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



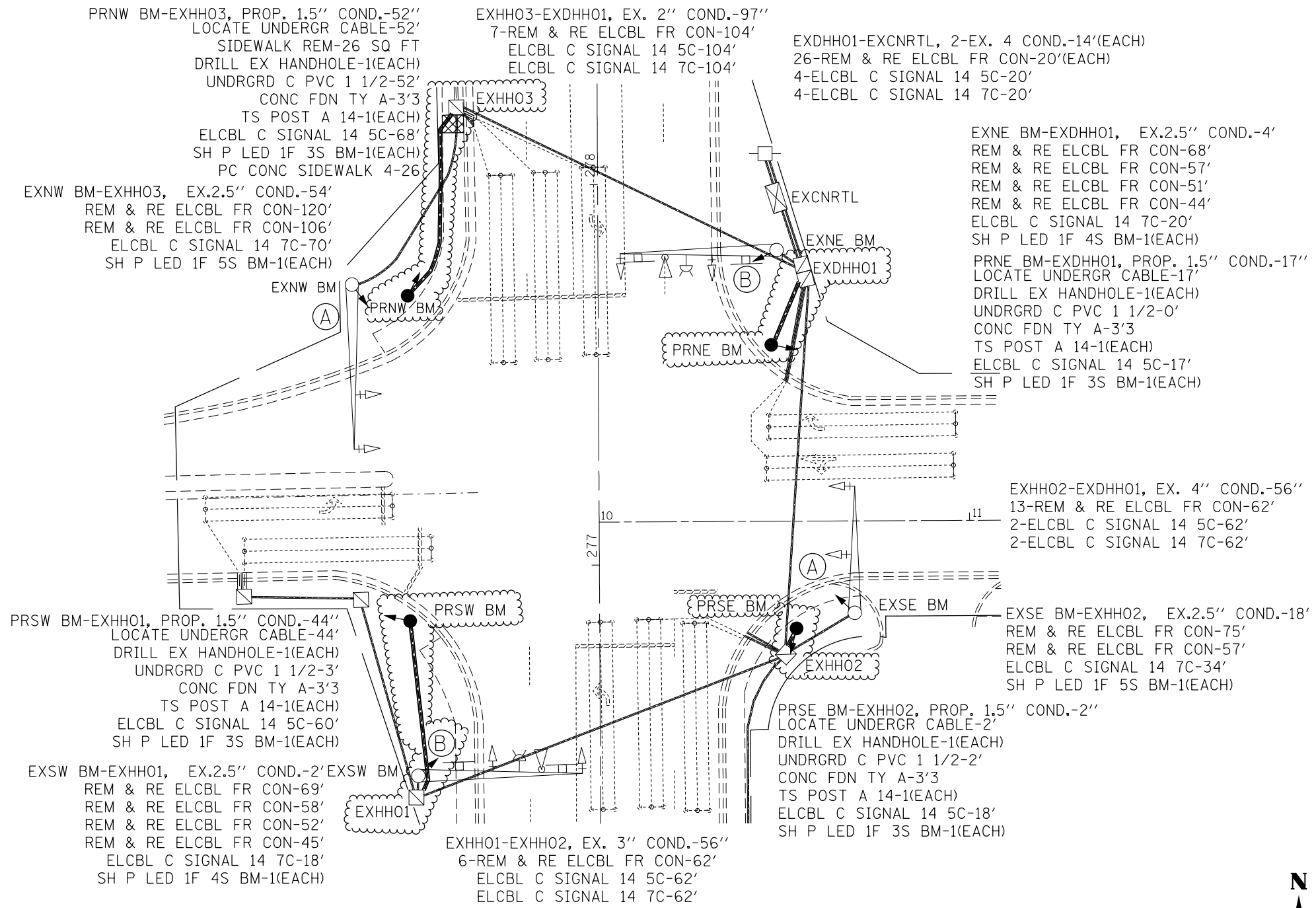
PROPOSED TRAFFIC SIGNAL FACES

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

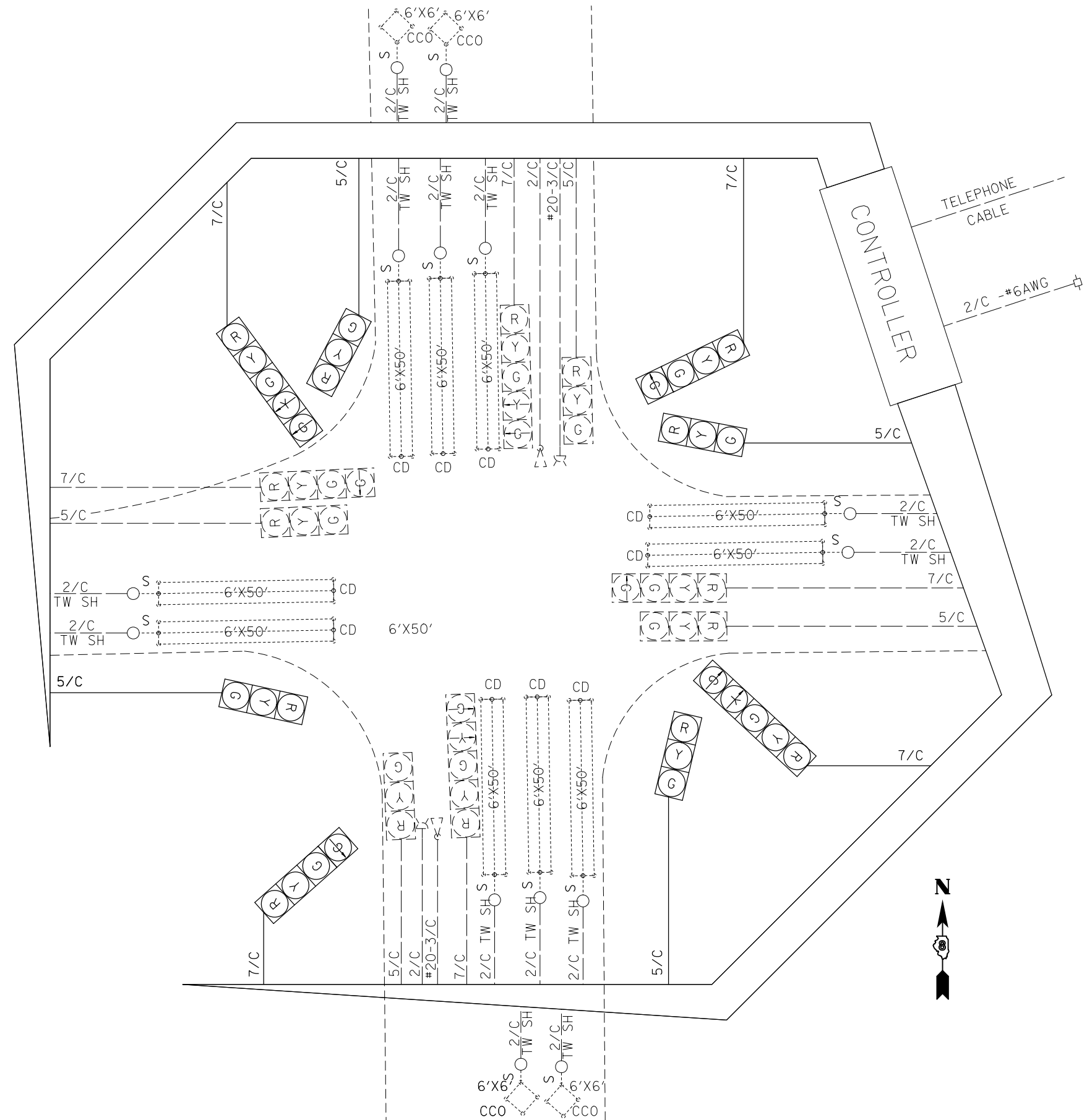


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌂ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌂ EXISTING (E.V.P.S.) CONFIRMATION BEACON
- - - - - EXISTING ILLUMINATED SIGN



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	26
44000600	SIDEWALK REMOVAL	SQ FT	26
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	115
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	98
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	567
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	418
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	4
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87900100	DRILL EXISTING FOUNDATION	EACH	4
87900200	DRILL EXISTING HANDHOLE	EACH	0
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
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	3135

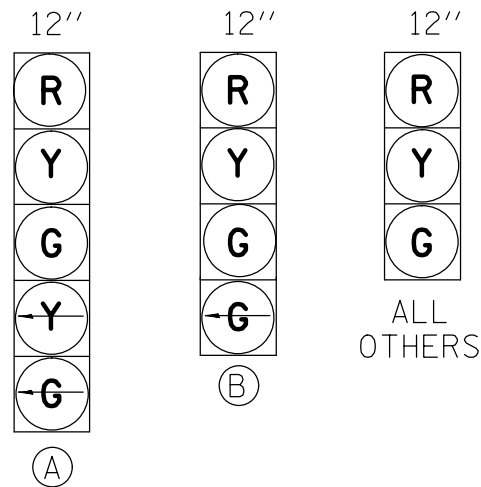
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 159 & CHATEAU (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	28
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

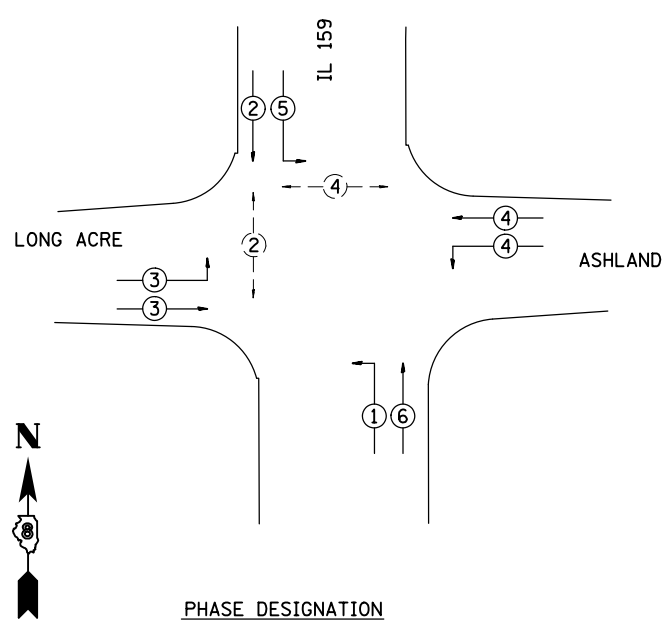
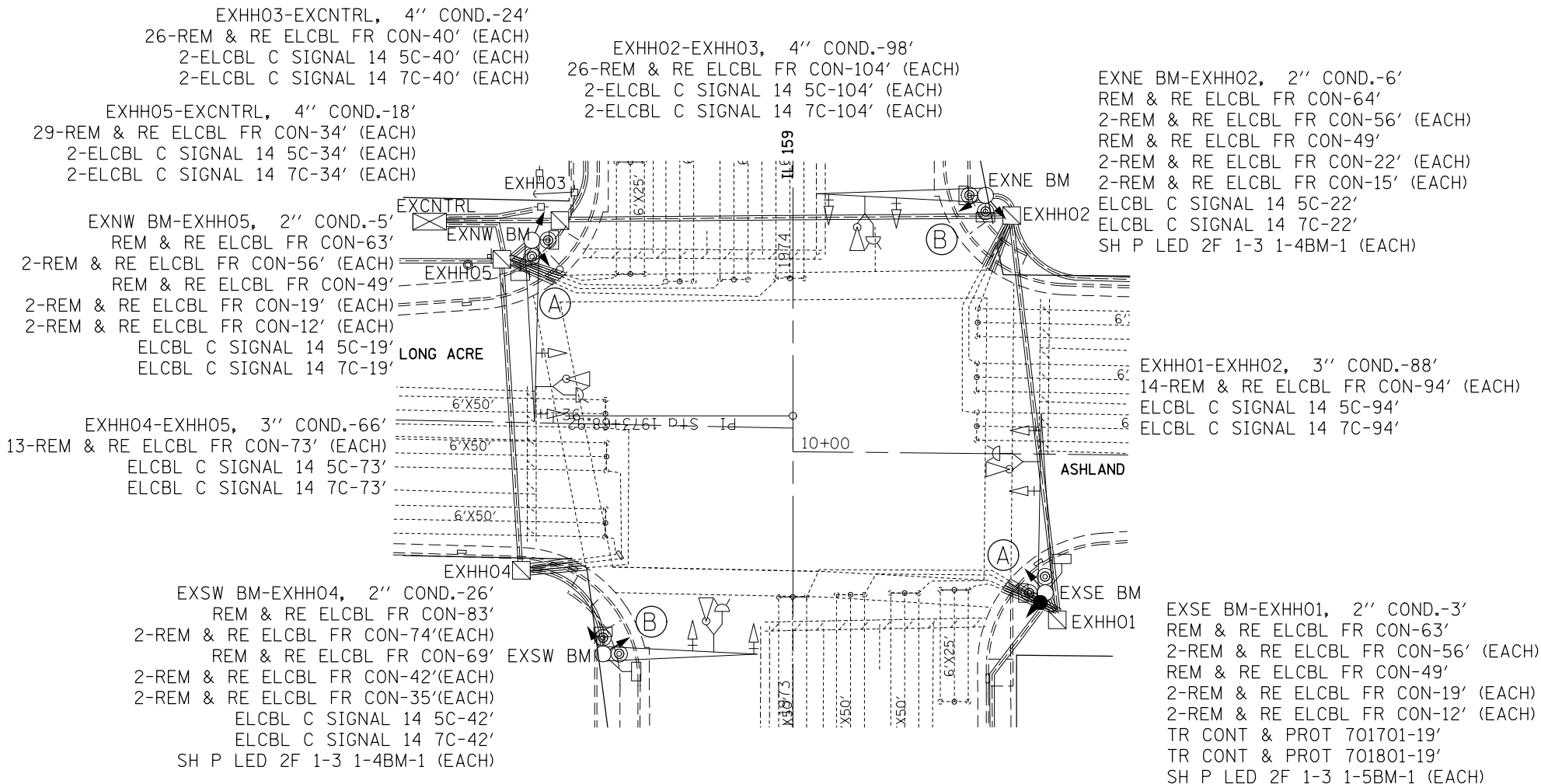


PROPOSED TRAFFIC SIGNAL FACES

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

* PEDSTRIAN MOVEMENT ON ACTUATION, ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

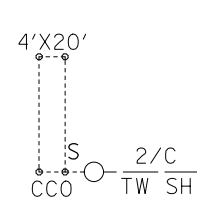
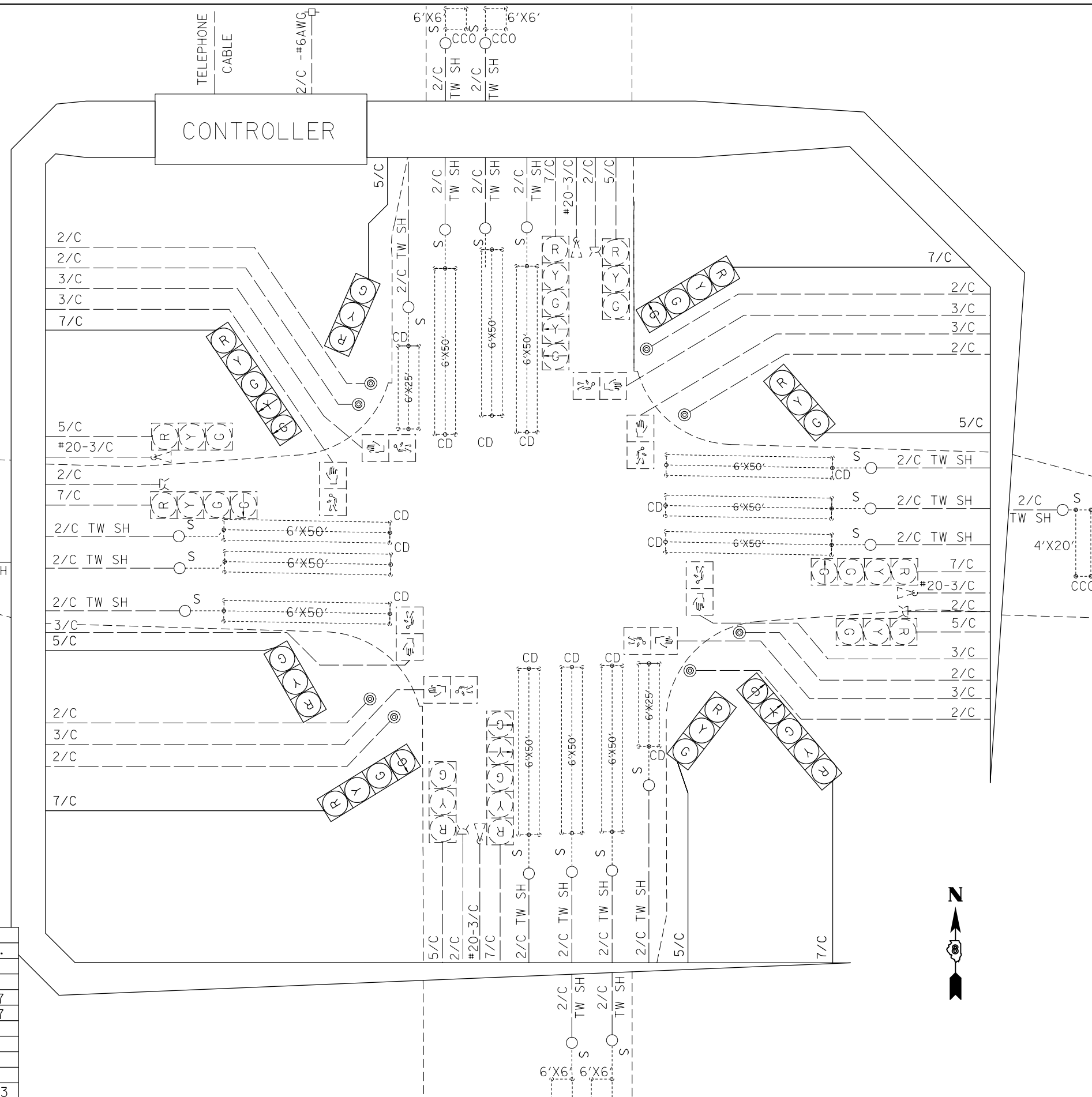


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⊗ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⊕ EXISTING (E.V.P.S.) CONFIRMATION BEACON
- - - - - EXISTING ILLUMINATED SIGN



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	627
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	627
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	8333

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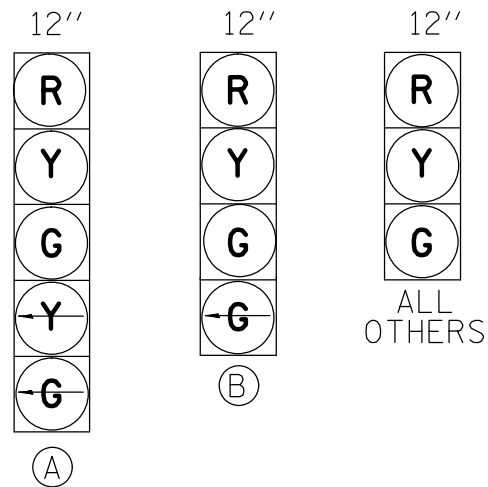
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & LONGACRE (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	30
**VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



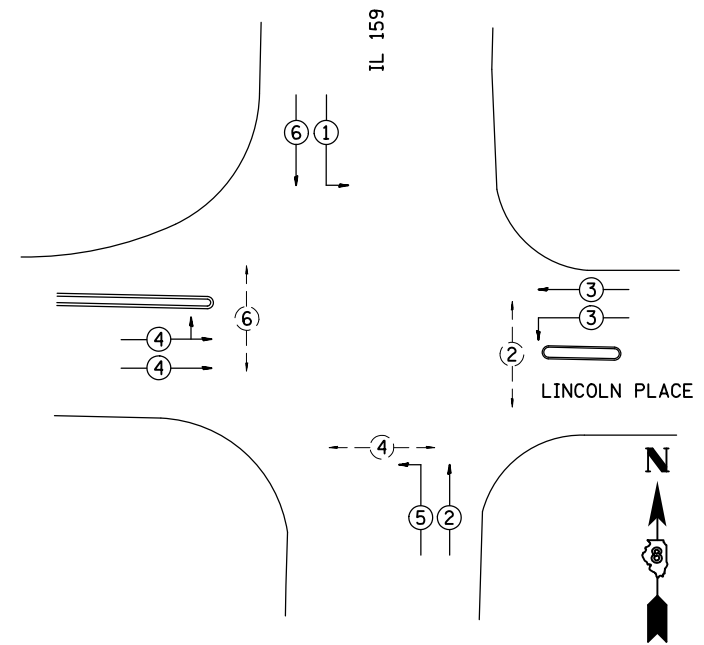
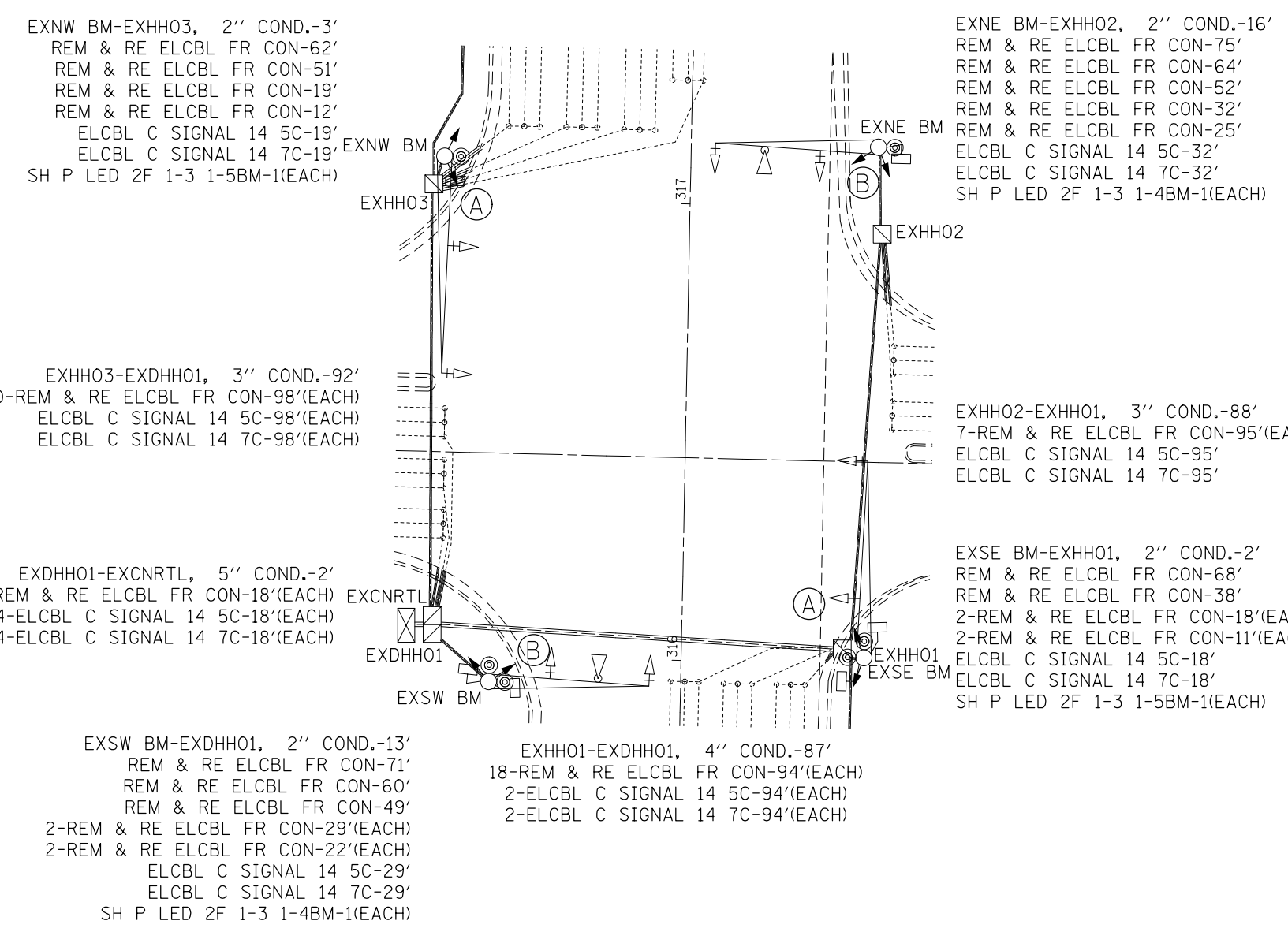


PROPOSED TRAFFIC SIGNAL FACES

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

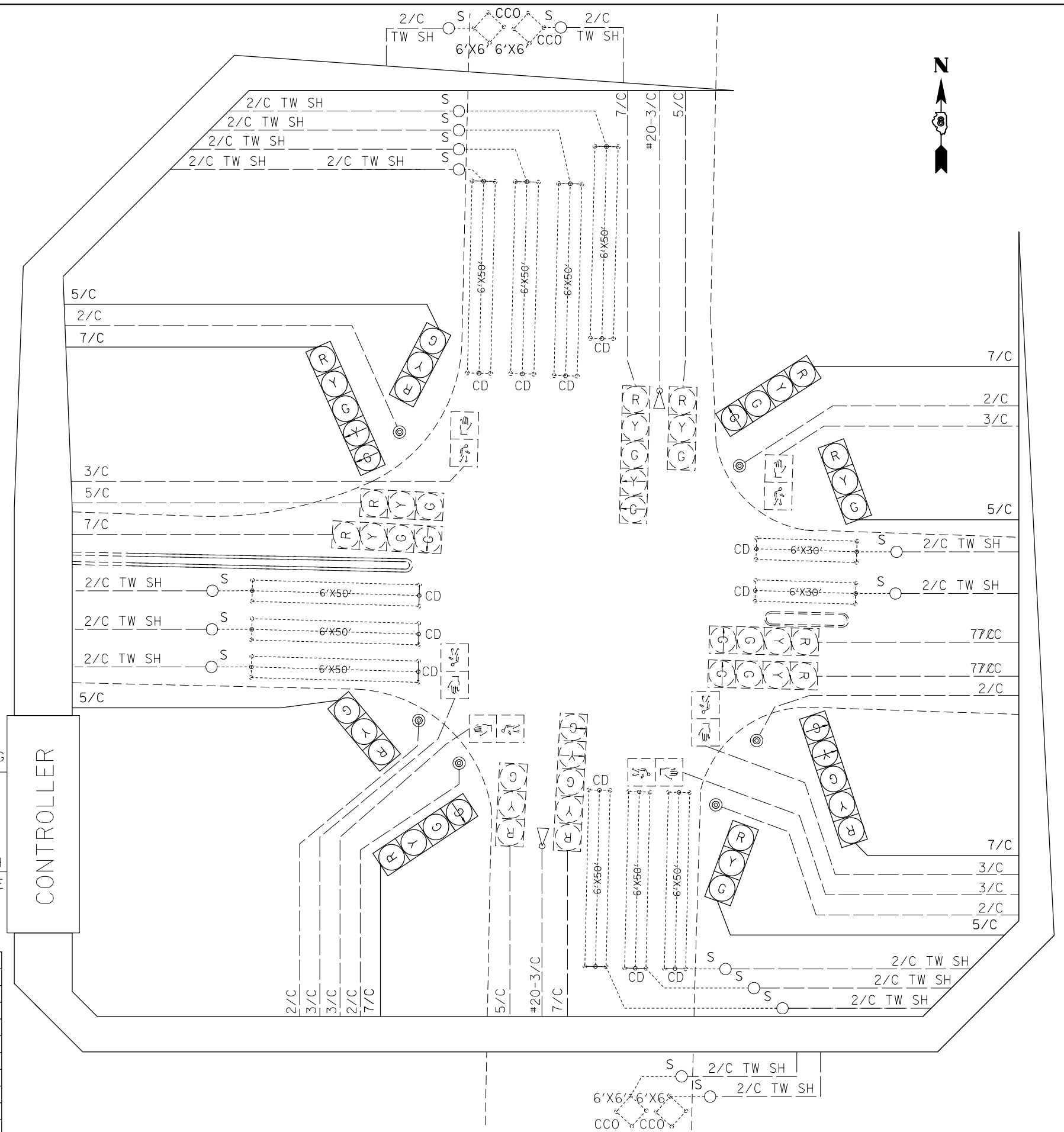


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌋ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌋ EXISTING (E.V.P.S.) CONFIRMATION BEACON
- - - □ EXISTING ILLUMINATED SIGN



2/C -#6AWG
 6 PR #18 TWSH
 INTERCONNECT CABLE

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	551
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	551
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	4859

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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 159 & LINCOLN PLACE DR. (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
 WIRING DIAGRAM**

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

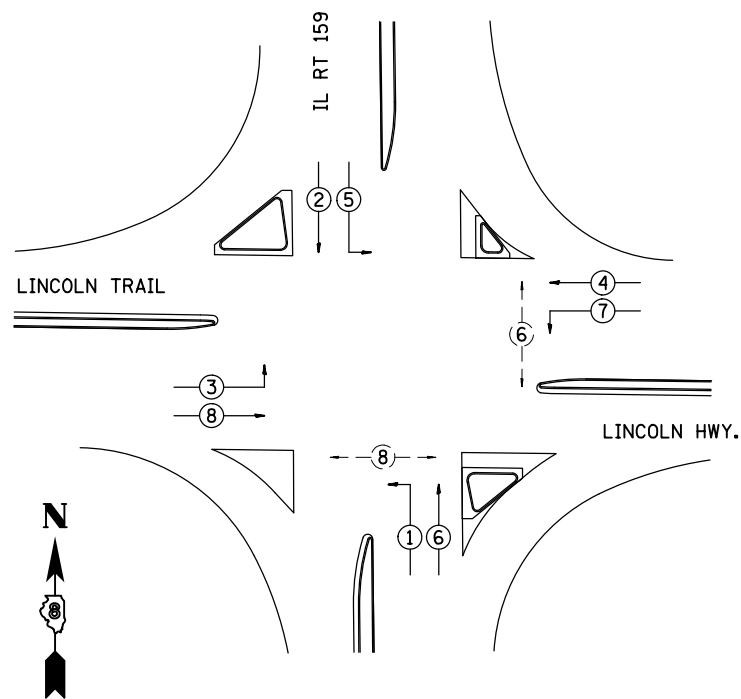
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	32
**VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

12"
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G
A

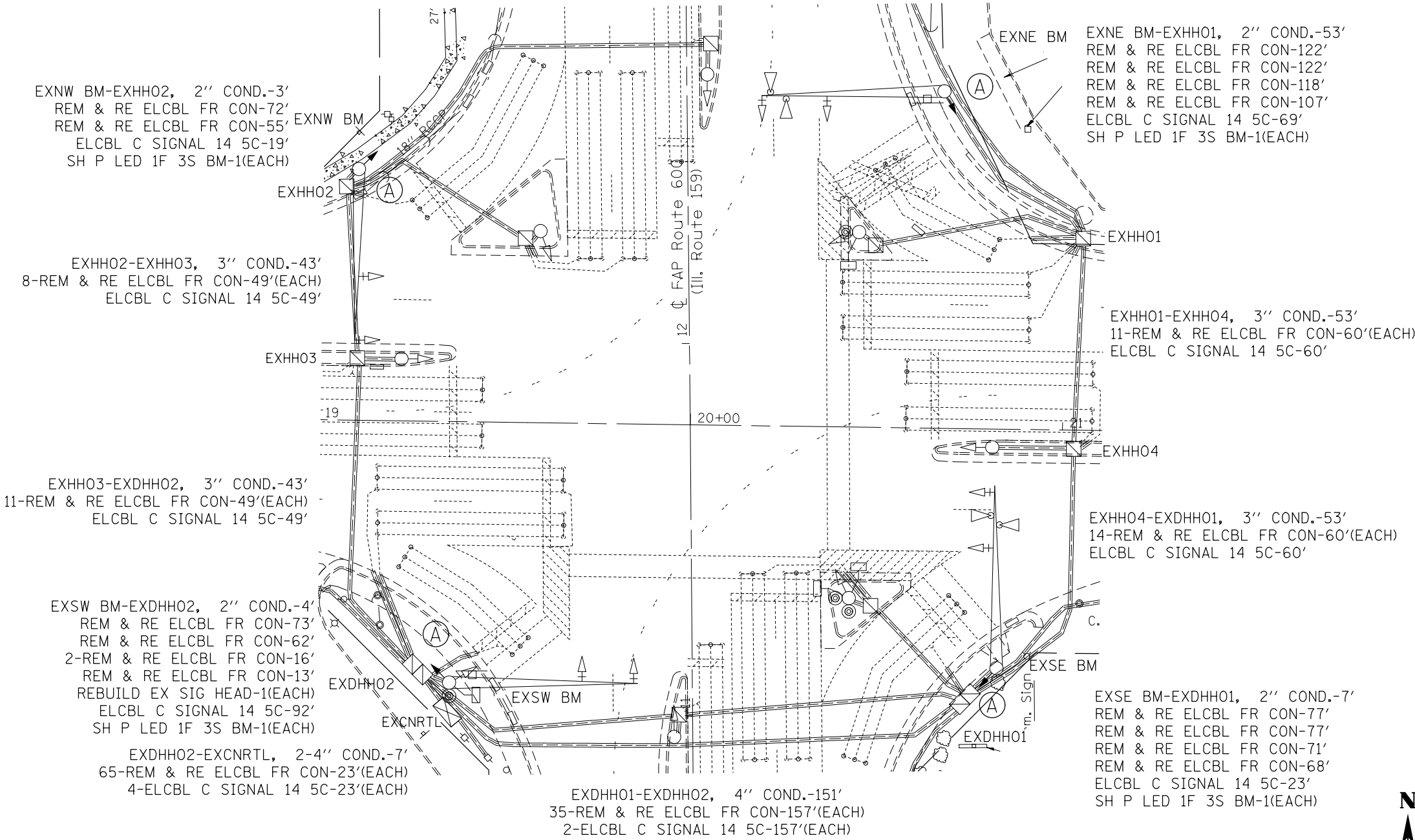
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES

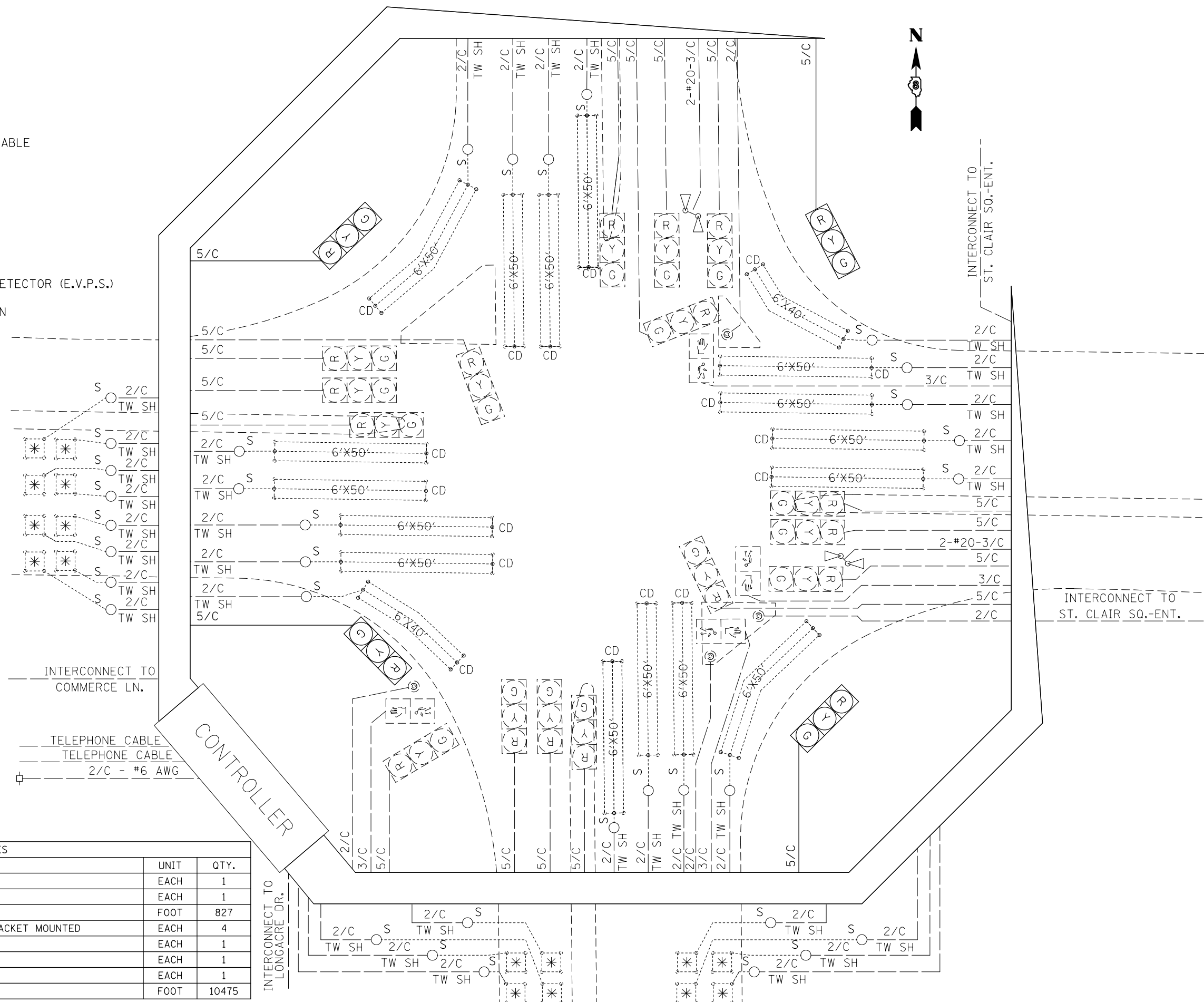


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ▽ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ▽ EXISTING (E.V.P.S.) CONFIRMATION BEACON
- - - □ EXISTING ILLUMINATED SIGN
- * EXISTING 6'X6' SYSTEM DETECTOR



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
7010264	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	827
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
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	10475

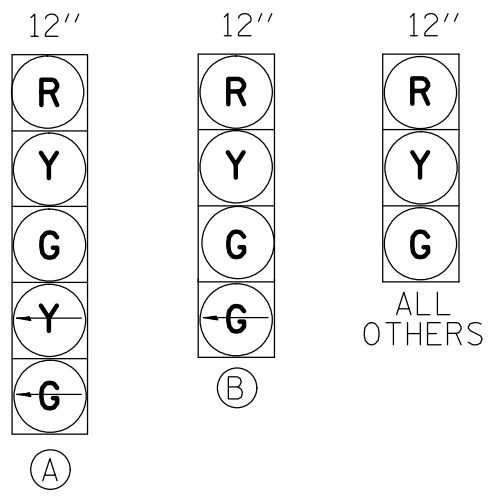
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & LINCOLN TRAIL (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	34
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

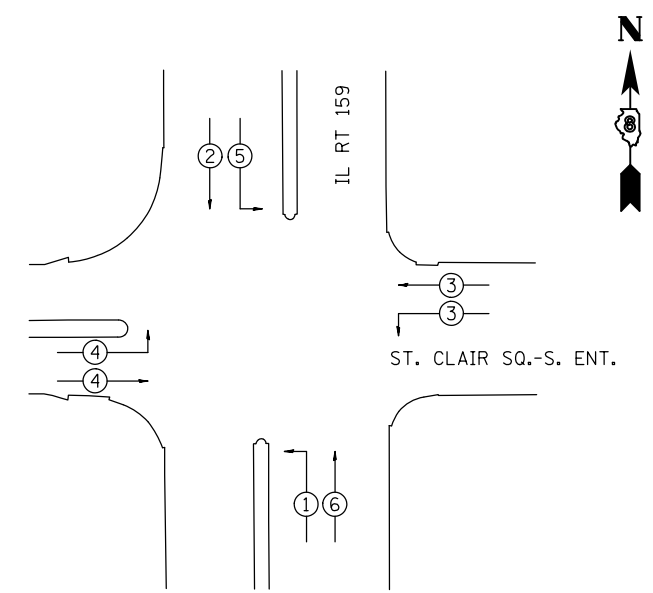
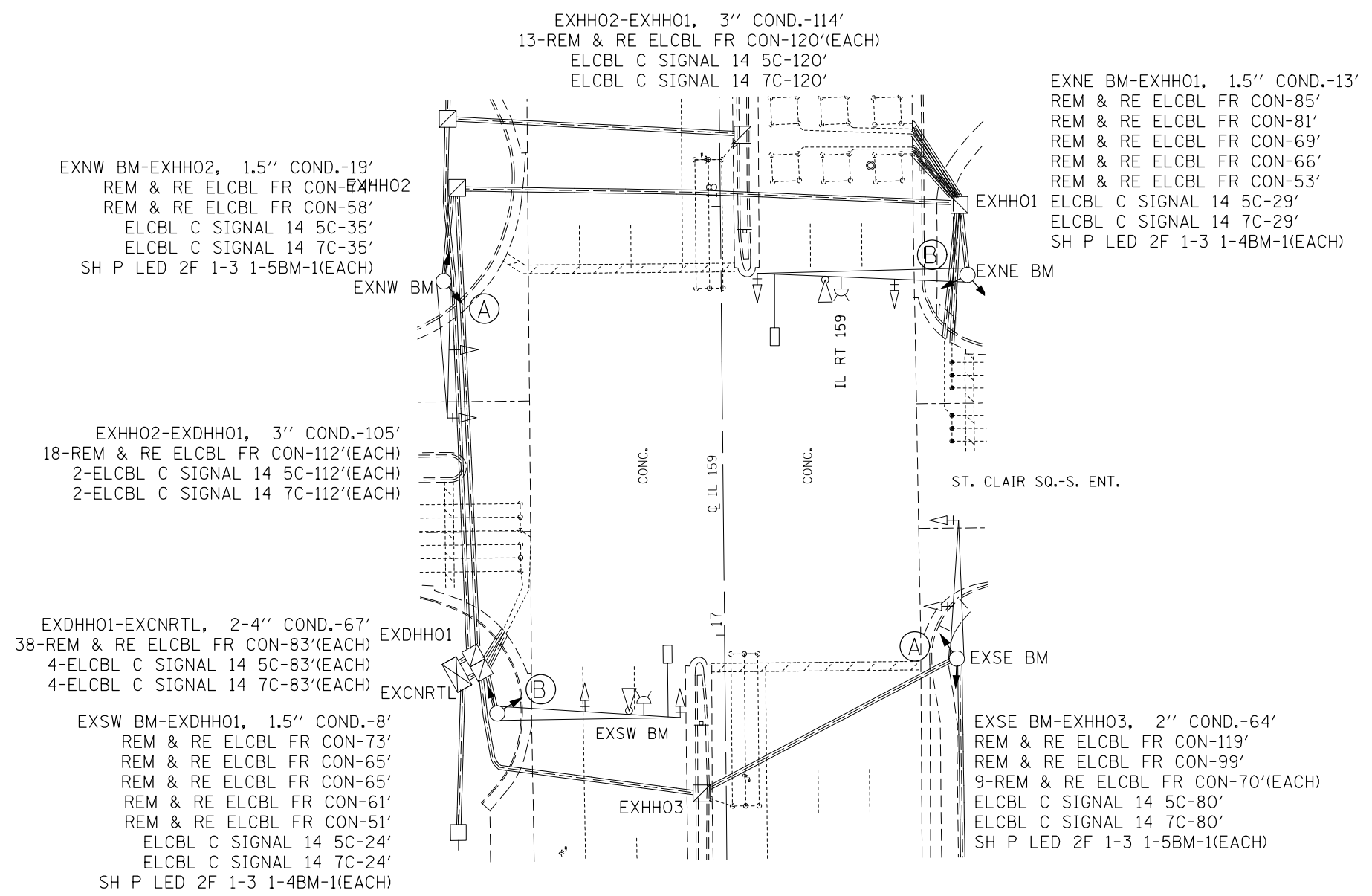


PROPOSED TRAFFIC SIGNAL FACES

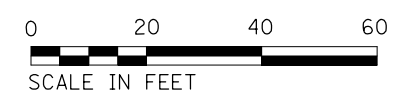
EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

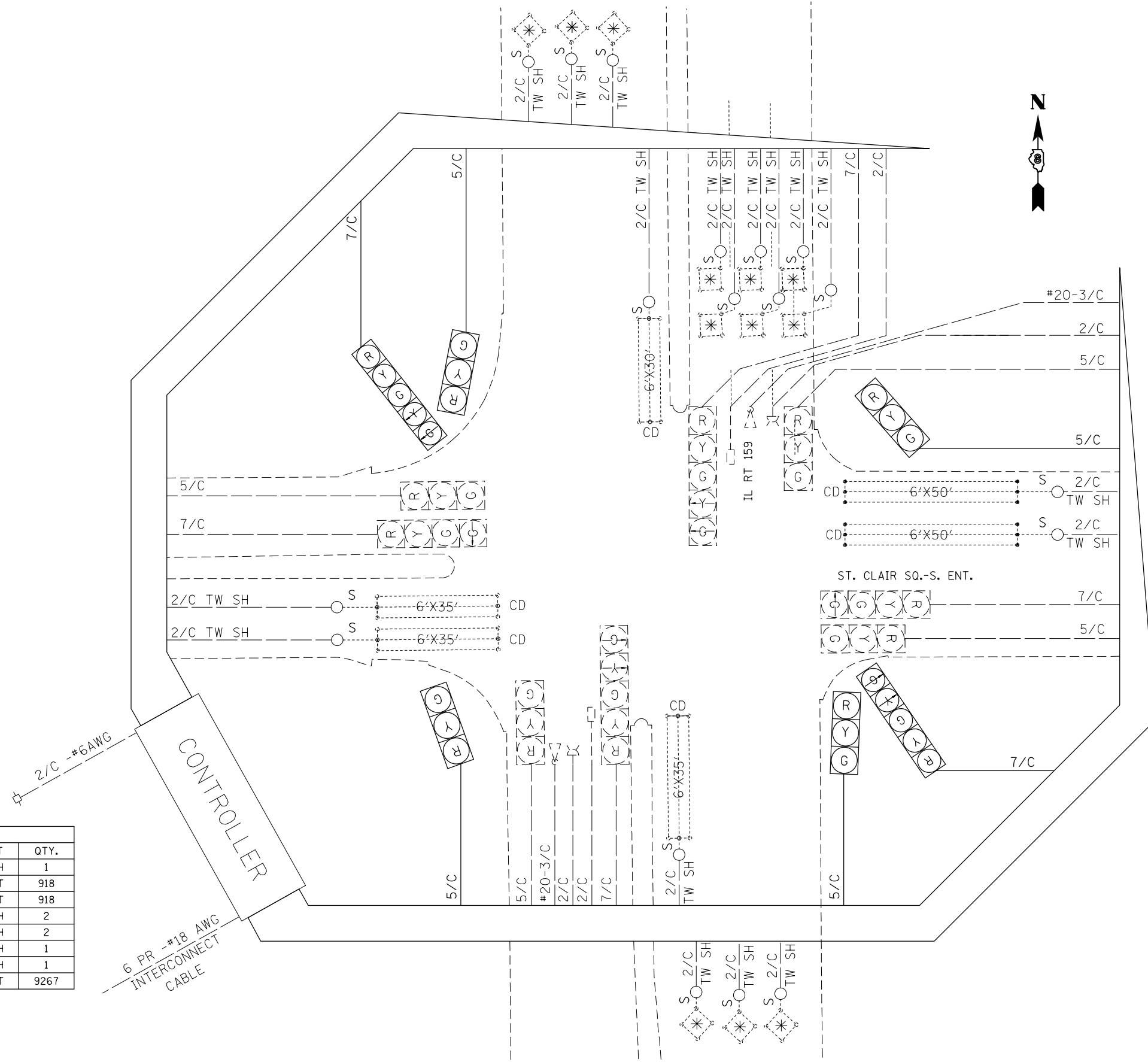


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌋ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌋ EXISTING (E.V.P.S.) CONFIRMATION BEACON
- - - - - EXISTING ILLUMINATED SIGN
- * EXISTING 6'X6' CCO



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	918
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	918
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	9267

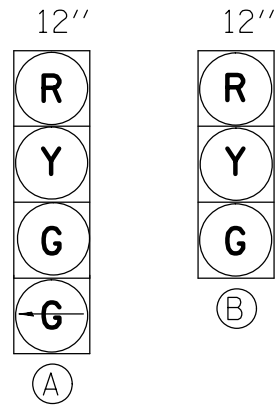
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & ST. CLAIR SQ.-S. ENT (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

REVISION	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	36
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

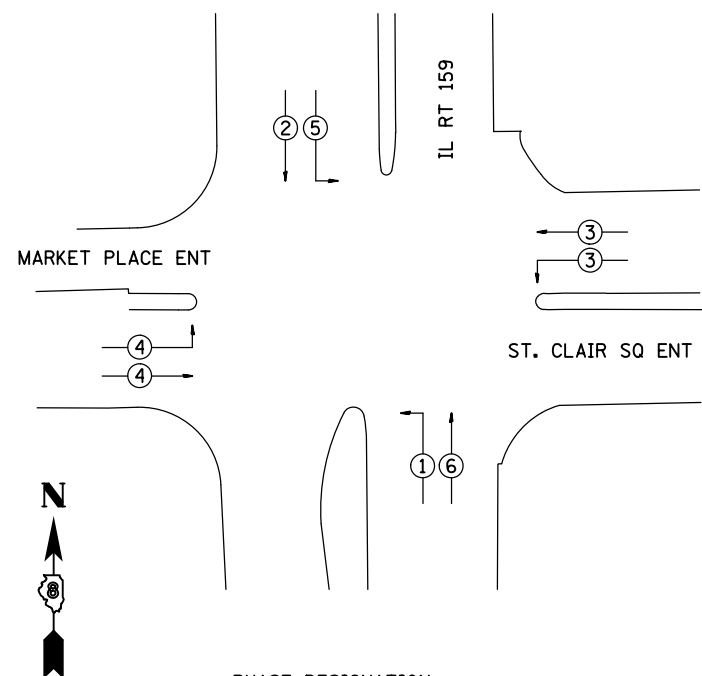


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



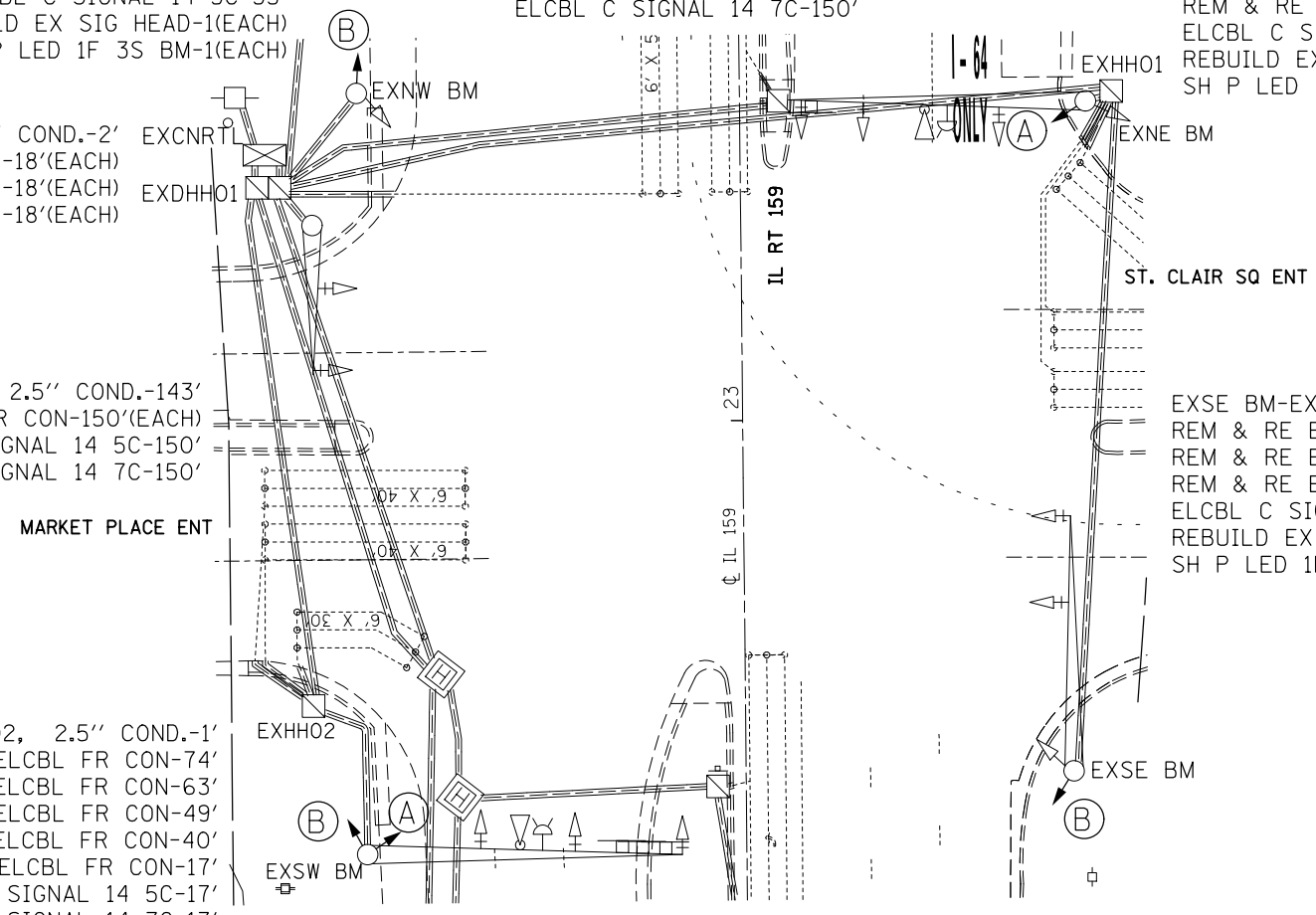
PHASE DESIGNATION DIAGRAM

- EXNW BM-EXDHH01, 2.5" COND.-17'
REM & RE ELCBL FR CON-33'
ELCBL C SIGNAL 14 5C-33'
REBUILD EX SIG HEAD-1(EACH)
SH P LED 1F 3S BM-1(EACH)
- EXCNRTL-EXDHH01, 2-4" COND.-2'
37-REM & RE ELCBL FR CON-18'(EACH)
3-ELCBL C SIGNAL 14 5C-18'(EACH)
2-ELCBL C SIGNAL 14 7C-18'(EACH)
- EXHH02-EXDHH01, 2.5" COND.-143'
8-REM & RE ELCBL FR CON-150'(EACH)
ELCBL C SIGNAL 14 5C-150'
ELCBL C SIGNAL 14 7C-150'
- EXSW BM-EXHH02, 2.5" COND.-1'
REM & RE ELCBL FR CON-74'
REM & RE ELCBL FR CON-63'
REM & RE ELCBL FR CON-49'
REM & RE ELCBL FR CON-40'
REM & RE ELCBL FR CON-17'
ELCBL C SIGNAL 14 5C-17'
ELCBL C SIGNAL 14 7C-17'
SH P LED 2F 1-3 1-4BM-1(EACH)

- EXHH01-EXDHH01, 2.5" COND.-143'
12-REM & RE ELCBL FR CON-150'(EACH)
ELCBL C SIGNAL 14 5C-150'
ELCBL C SIGNAL 14 7C-150'

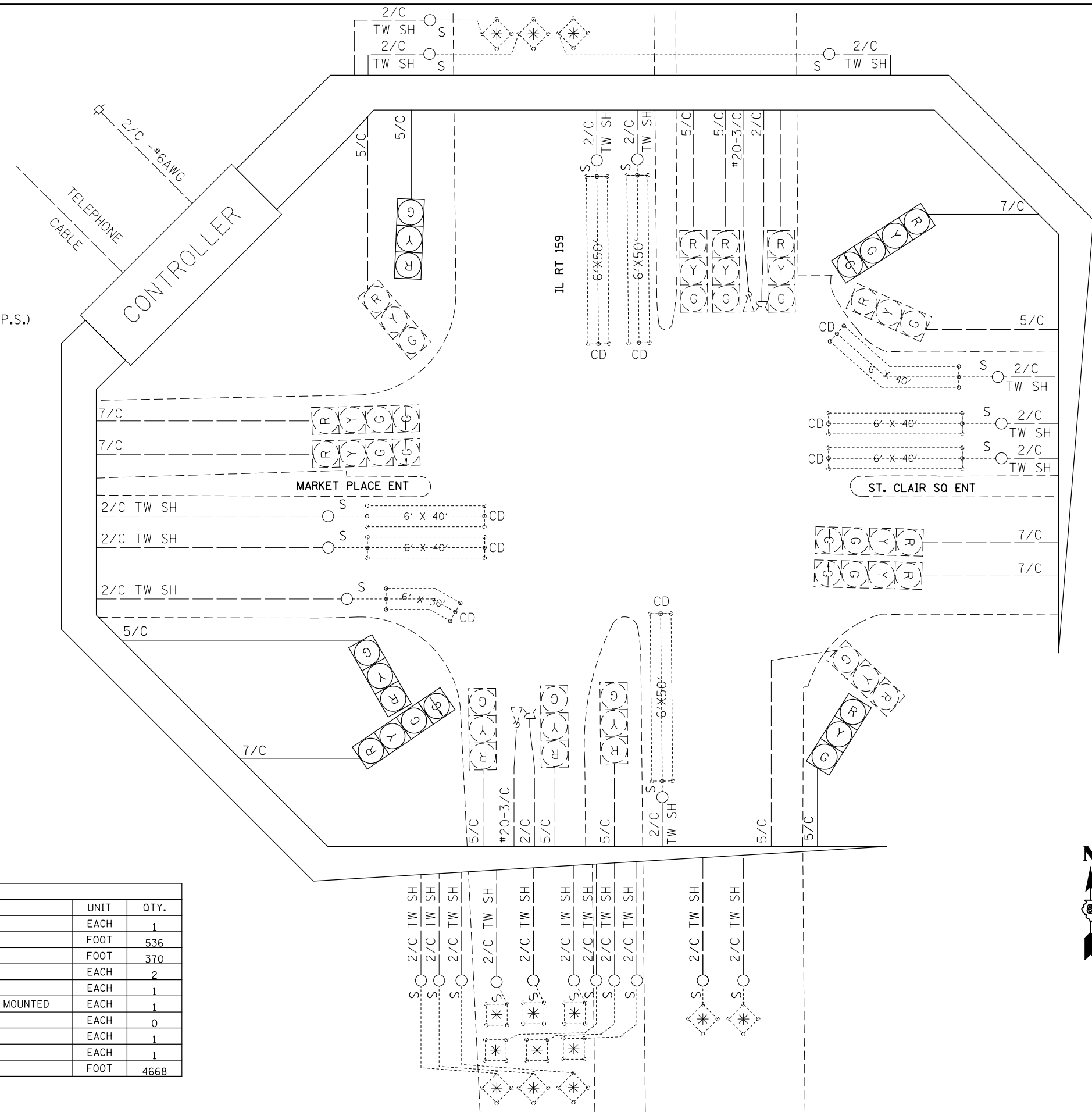
- EXNE BM-EXHH01, 2" COND.-1'
REM & RE ELCBL FR CON-74'
REM & RE ELCBL FR CON-63'
REM & RE ELCBL FR CON-49'
REM & RE ELCBL FR CON-40'
REM & RE ELCBL FR CON-17'
ELCBL C SIGNAL 14 7C-17'
REBUILD EX SIG HEAD-1(EACH)
SH P LED 1F 4S BM-1(EACH)

- EXSE BM-EXHH01, 2" COND.-116'
REM & RE ELCBL FR CON-183'
REM & RE ELCBL FR CON-168'
REM & RE ELCBL FR CON-132'
ELCBL C SIGNAL 14 5C-132'
REBUILD EX SIG HEAD-1(EACH)
SH P LED 1F 3S BM-1(EACH)



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌂ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌂ EXISTING (E.V.P.S.) CONFIRMATION BEACON
- * EXISTING 6'X6' CCO



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	536
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	370
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	1
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	0
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4668

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	PLOT DATE = 8/24/2017	DATE -	REVISED -

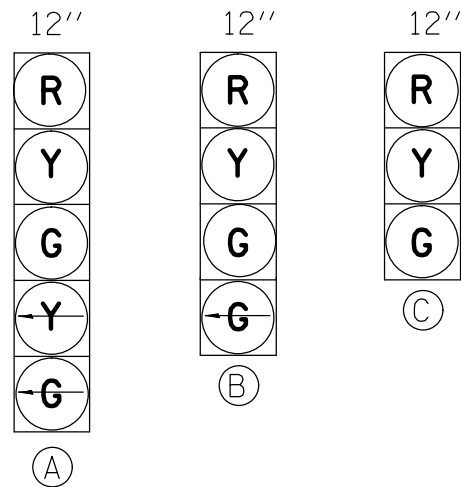
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & MARKET/ST CLAIR SQ ENT (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	38
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

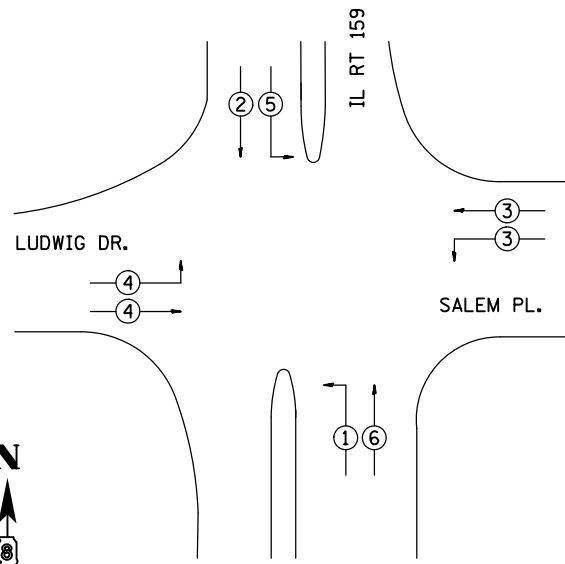




PROPOSED TRAFFIC SIGNAL FACES

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH05, 2" COND.-1'
 REM & RE ELCBL FR CON-65'
 REM & RE ELCBL FR CON-60'
 REM & RE ELCBL FR CON-56'
 REM & RE ELCBL FR CON-47'
 ELCBL C SIGNAL 14 5C-17'
 ELCBL C SIGNAL 14 7C-17'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH05-EXDHH01, 3.5" COND.-102'
 19-REM & RE ELCBL FR CON-109'(EACH)
 2-ELCBL C SIGNAL 14 5C-109'(EACH)
 2-ELCBL C SIGNAL 14 7C-109'(EACH)

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

EXSW BM-EXDHH01, 2" COND.-3'
 REM & RE ELCBL FR CON-69'
 REM & RE ELCBL FR CON-65'
 REM & RE ELCBL FR CON-61'
 REM & RE ELCBL FR CON-54'
 ELCBL C SIGNAL 14 5C-19'
 ELCBL C SIGNAL 14 7C-19'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH02-EXDHH01, 2.5" COND.-67'
 7-REM & RE ELCBL FR CON-74'(EACH)
 ELCBL C SIGNAL 14 5C-74'
 ELCBL C SIGNAL 14 7C-74'

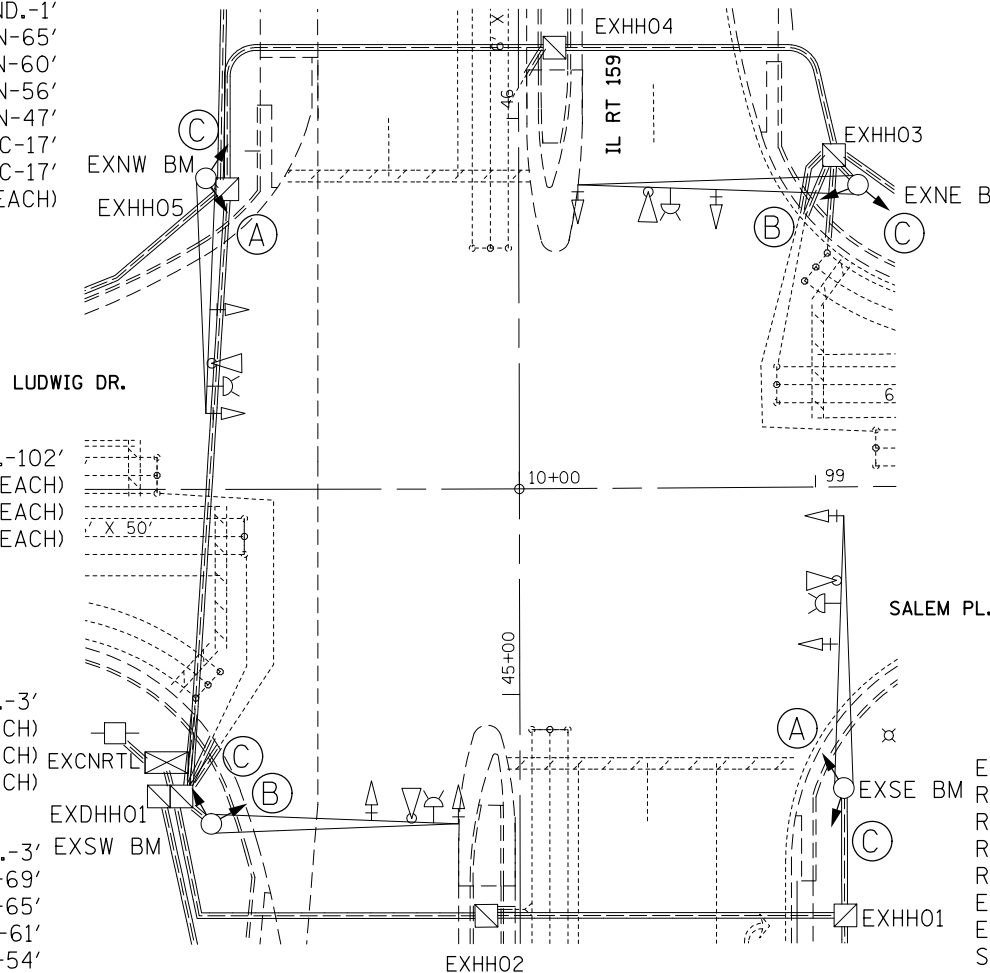
EXHH01-EXHH02, 2.5" COND.-59'
 6-REM & RE ELCBL FR CON-65'(EACH)
 ELCBL C SIGNAL 14 5C-65'
 ELCBL C SIGNAL 14 7C-65'

EXHH04-EXHH05, 2.5" COND.-76'
 10-REM & RE ELCBL FR CON-82'(EACH)
 ELCBL C SIGNAL 14 5C-82'
 ELCBL C SIGNAL 14 7C-82'

EXHH03-EXHH04, 2.5" COND.-59'
 9-REM & RE ELCBL FR CON-66'(EACH)
 ELCBL C SIGNAL 14 5C-66'
 ELCBL C SIGNAL 14 7C-66'

EXNE BM-EXHH03, 2" COND.-3'
 REM & RE ELCBL FR CON-75'
 REM & RE ELCBL FR CON-62'
 REM & RE ELCBL FR CON-59'
 REM & RE ELCBL FR CON-51'
 ELCBL C SIGNAL 14 5C-19'
 ELCBL C SIGNAL 14 7C-19'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXSE BM-EXHH01, 2" COND.-19'
 REM & RE ELCBL FR CON-89'
 REM & RE ELCBL FR CON-78'
 REM & RE ELCBL FR CON-74'
 REM & RE ELCBL FR CON-67'
 ELCBL C SIGNAL 14 5C-35'
 ELCBL C SIGNAL 14 7C-35'
 SH P LED 2F 1-3 1-5BM-1(EACH)



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

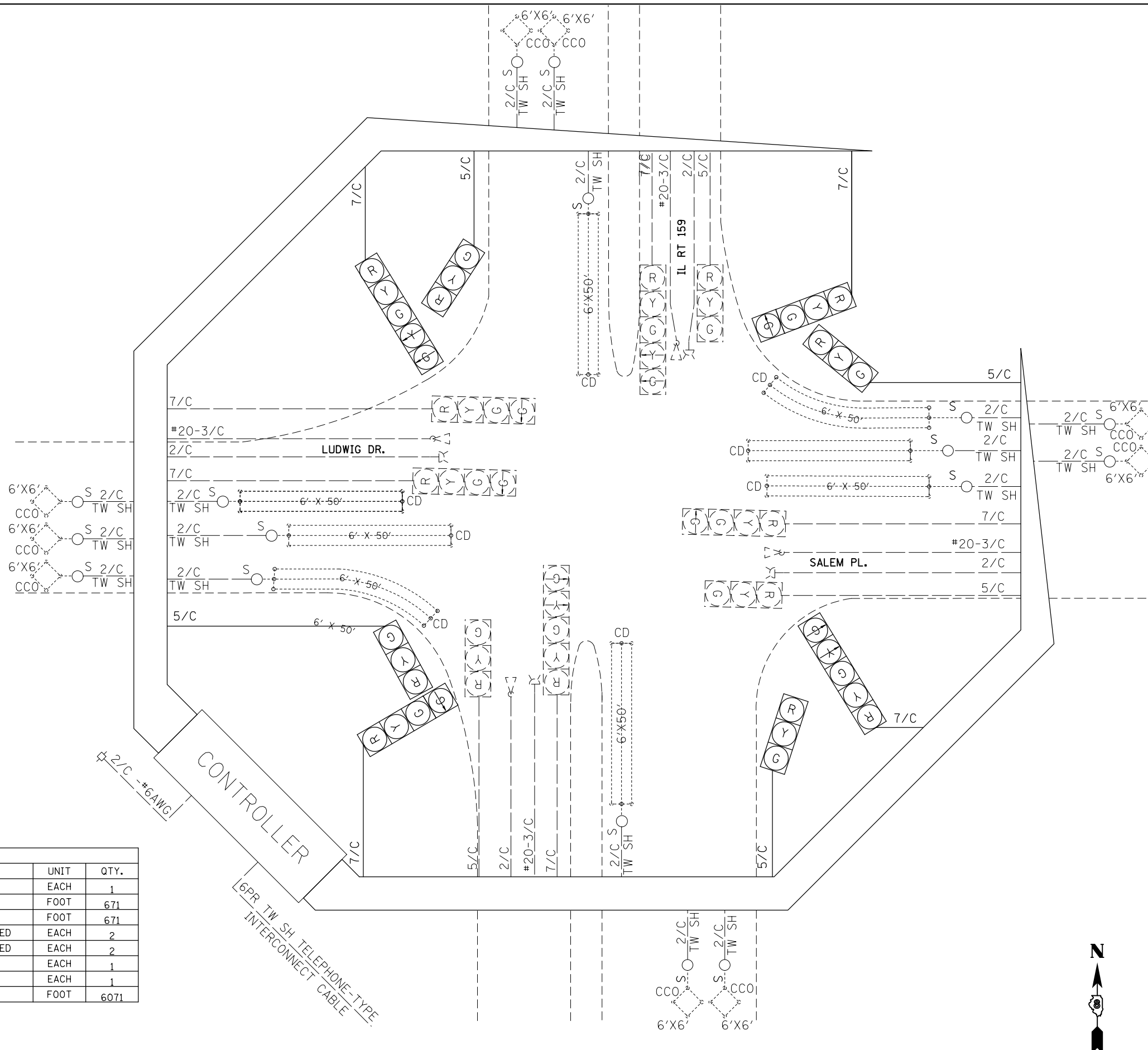
IL 159 & LUDWIG (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	39
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌞ ⌞ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌞ ⌞ EXISTING (E.V.P.S.) CONFIRMATION BEACON



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	671
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	671
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	6071

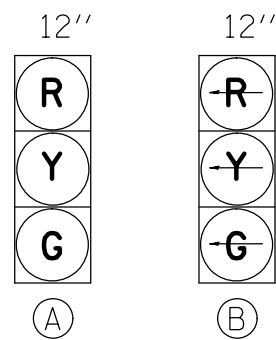
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & LUDWIG (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	40
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

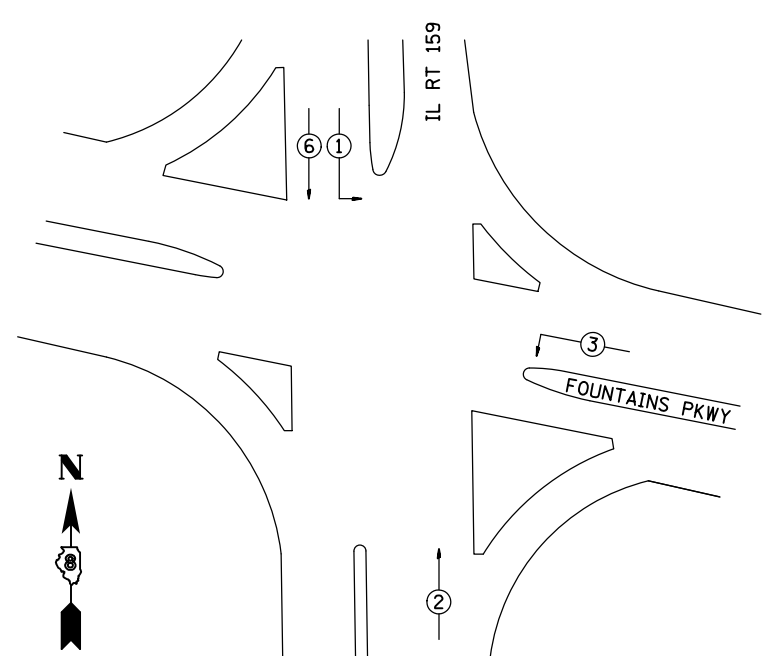


PROPOSED TRAFFIC SIGNAL FACES

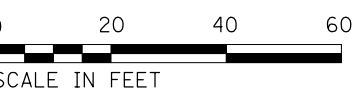
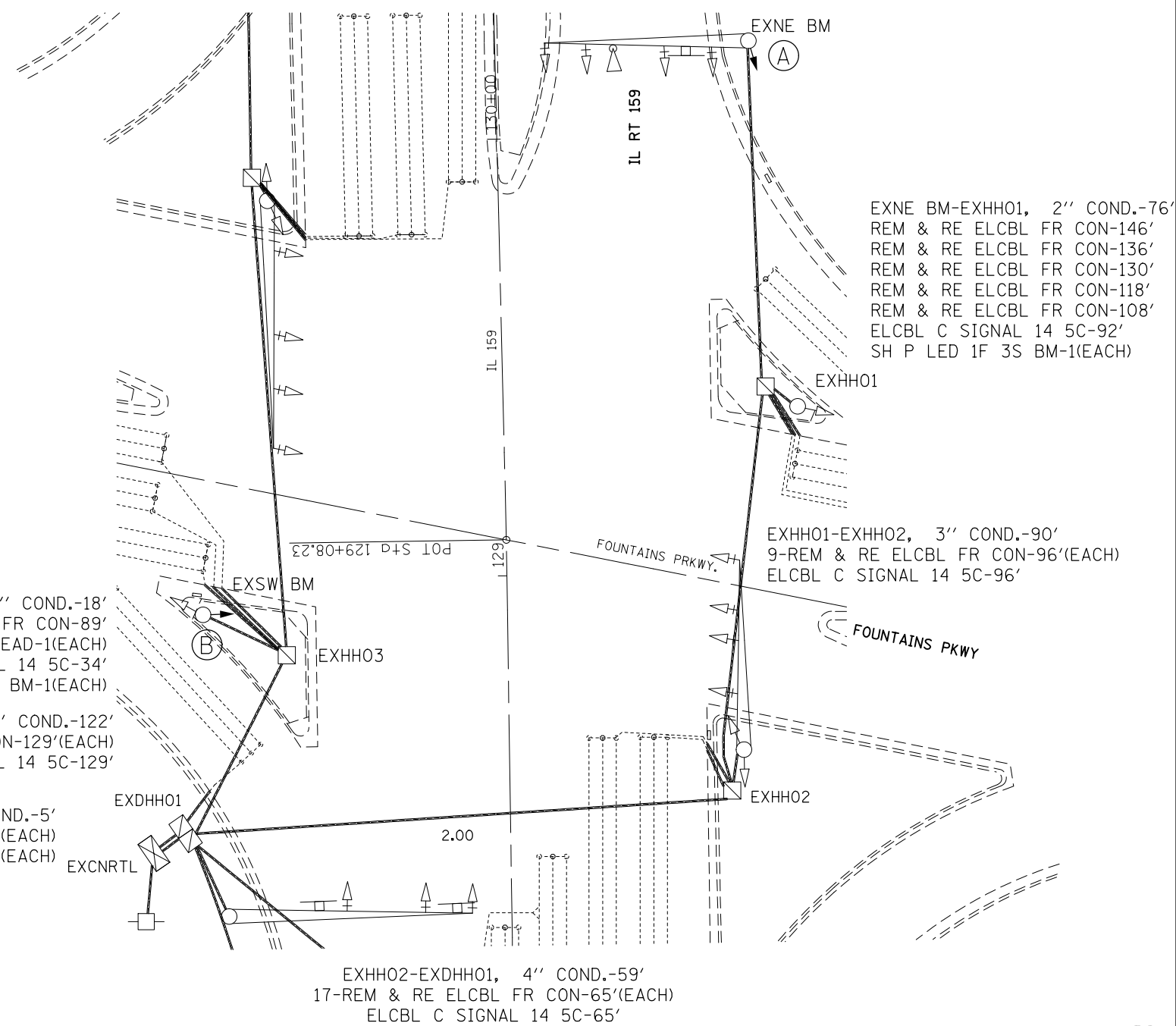
EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

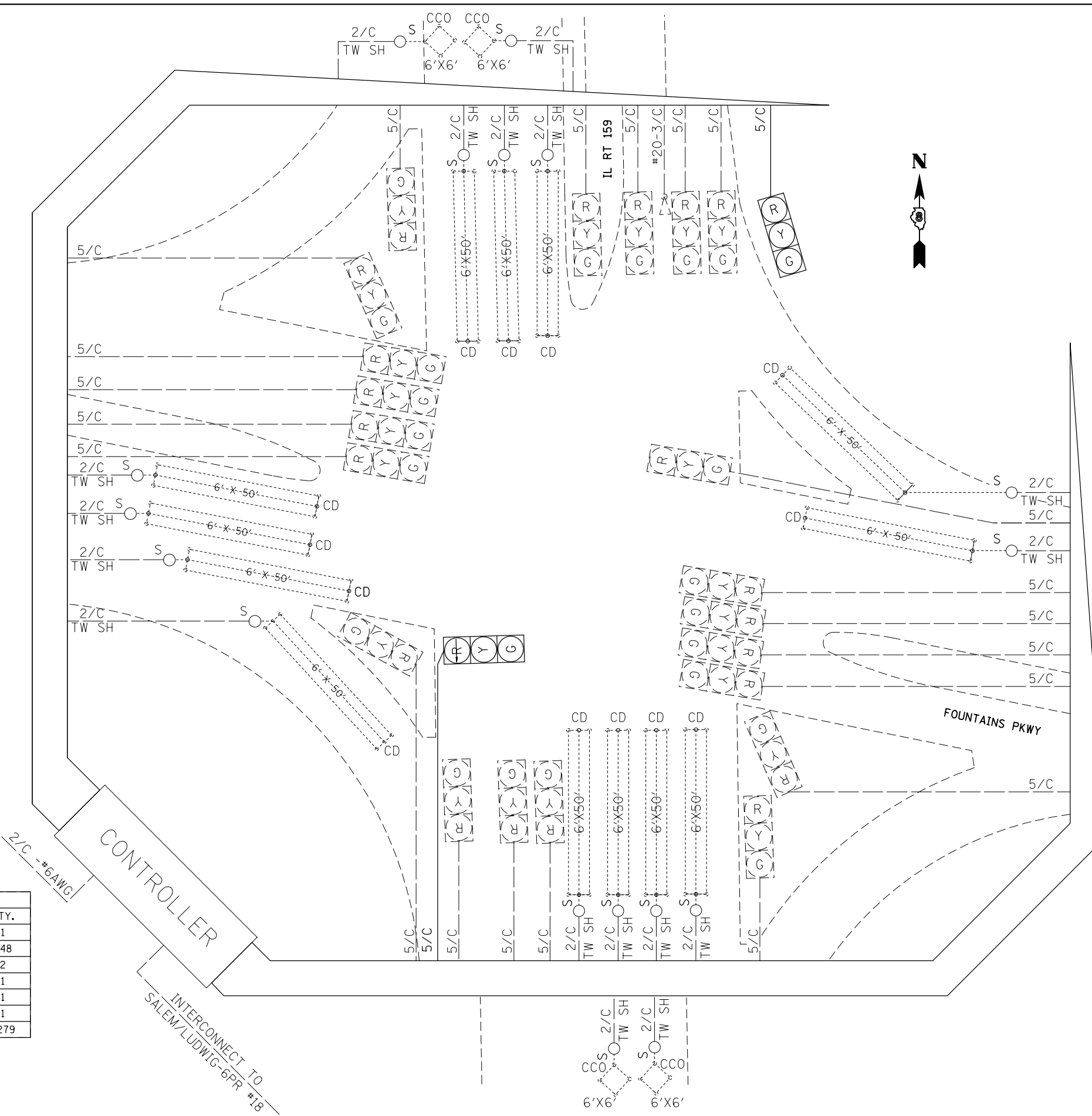


- EXSW BM-EXHH03, 2" COND.-18'
REM & RE ELCBL FR CON-89'
REBUILD EX SIG HEAD-1(EACH)
ELCBL C SIGNAL 14 5C-34'
SH P LED 1F 3S BM-1(EACH)
- EXHH03-EXDHH01, 4" COND.-122'
15-REM & RE ELCBL FR CON-129'(EACH)
ELCBL C SIGNAL 14 5C-129'
- EXCNRTL-EXDHH01, 2-4" COND.-5'
41-REM & RE ELCBL FR CON-16'(EACH)
2-ELCBL C SIGNAL 14 5C-16'(EACH)



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ▽ 7 ▽ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)



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	448
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	9279

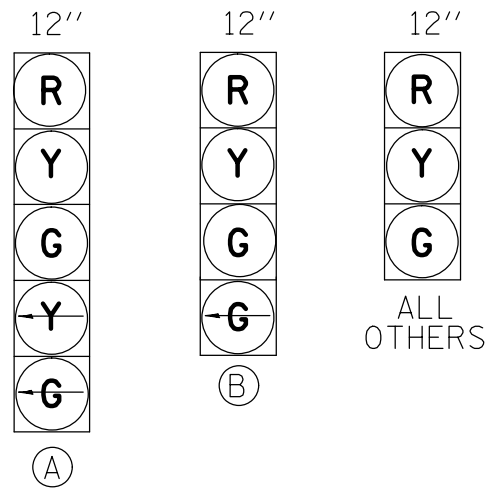
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & FOUNTAINS PKWY (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	42
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

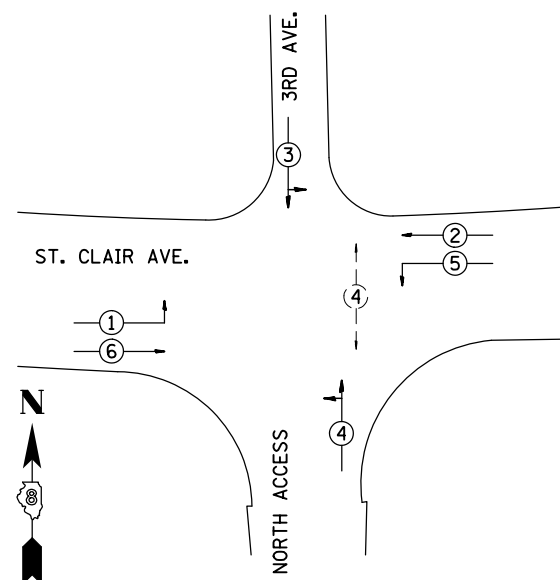


PROPOSED TRAFFIC SIGNAL FACES

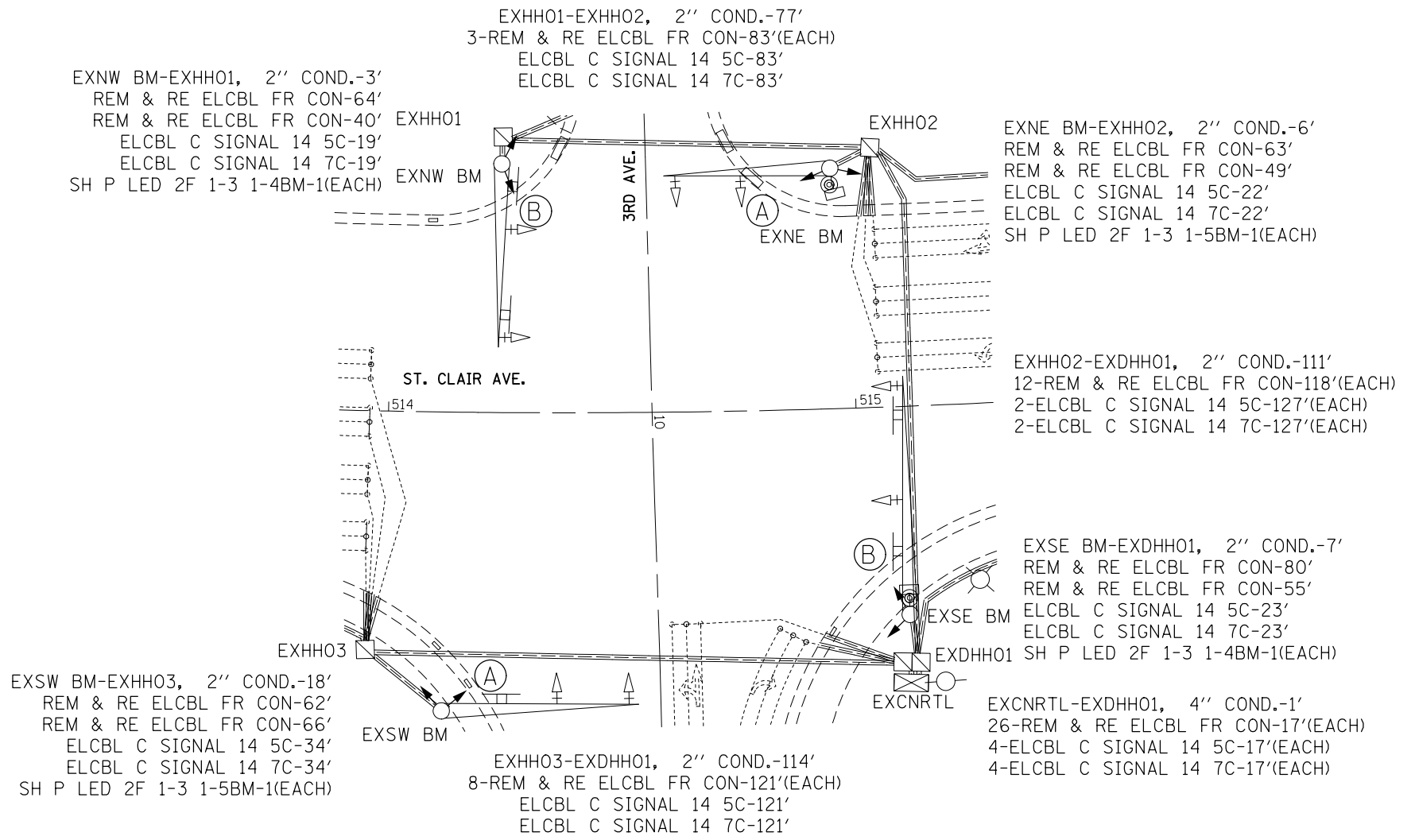
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↔	↕	→	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ST CLAIR & 3RD (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN

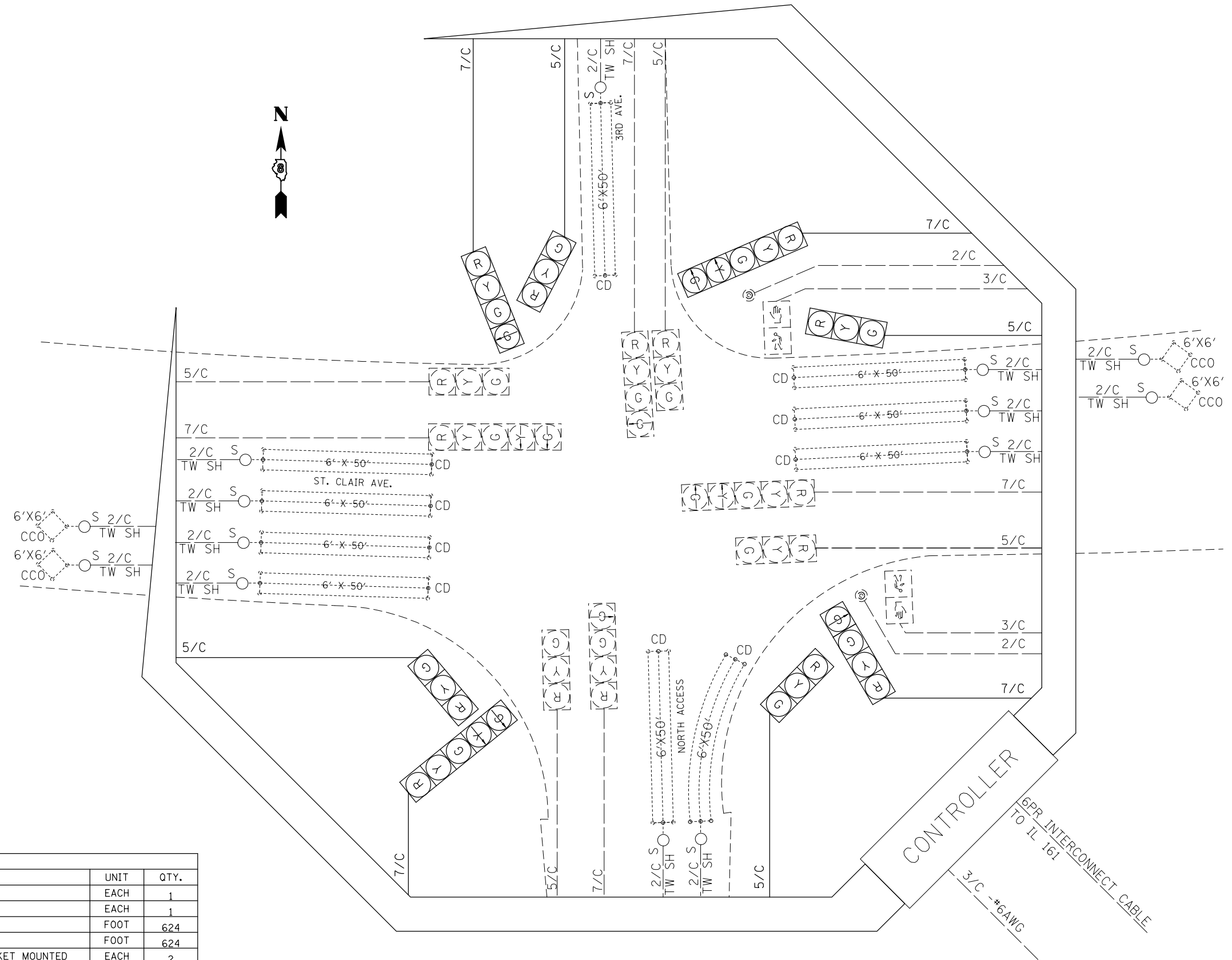
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	43
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	624
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	624
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	3554

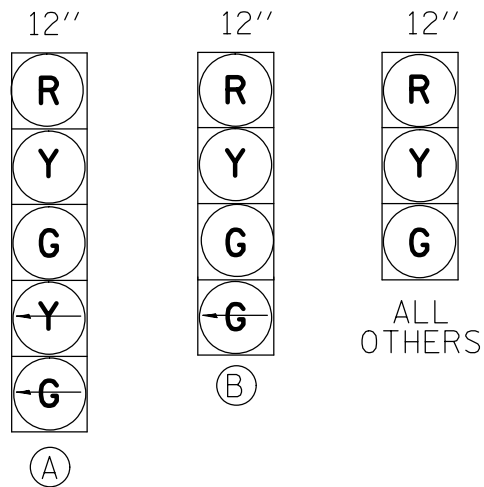
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ST CLAIR & 3RD (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

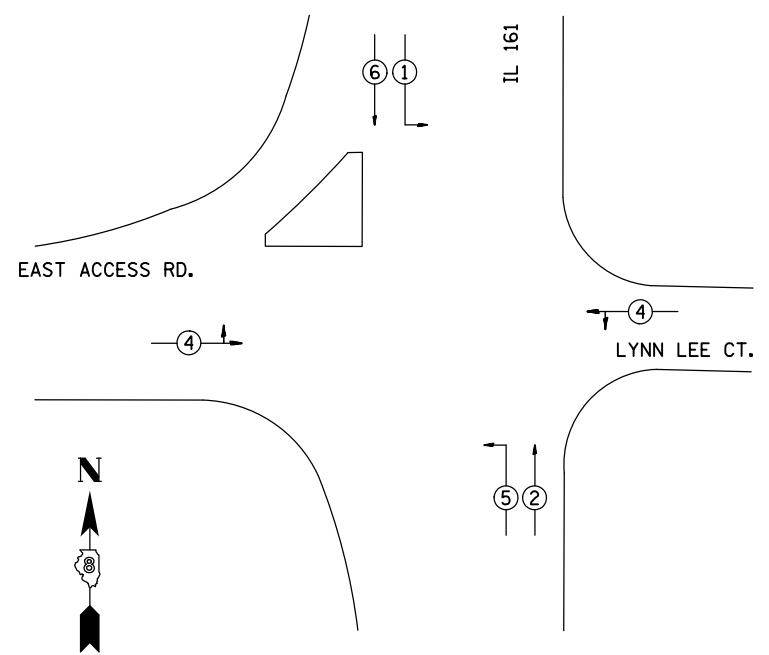
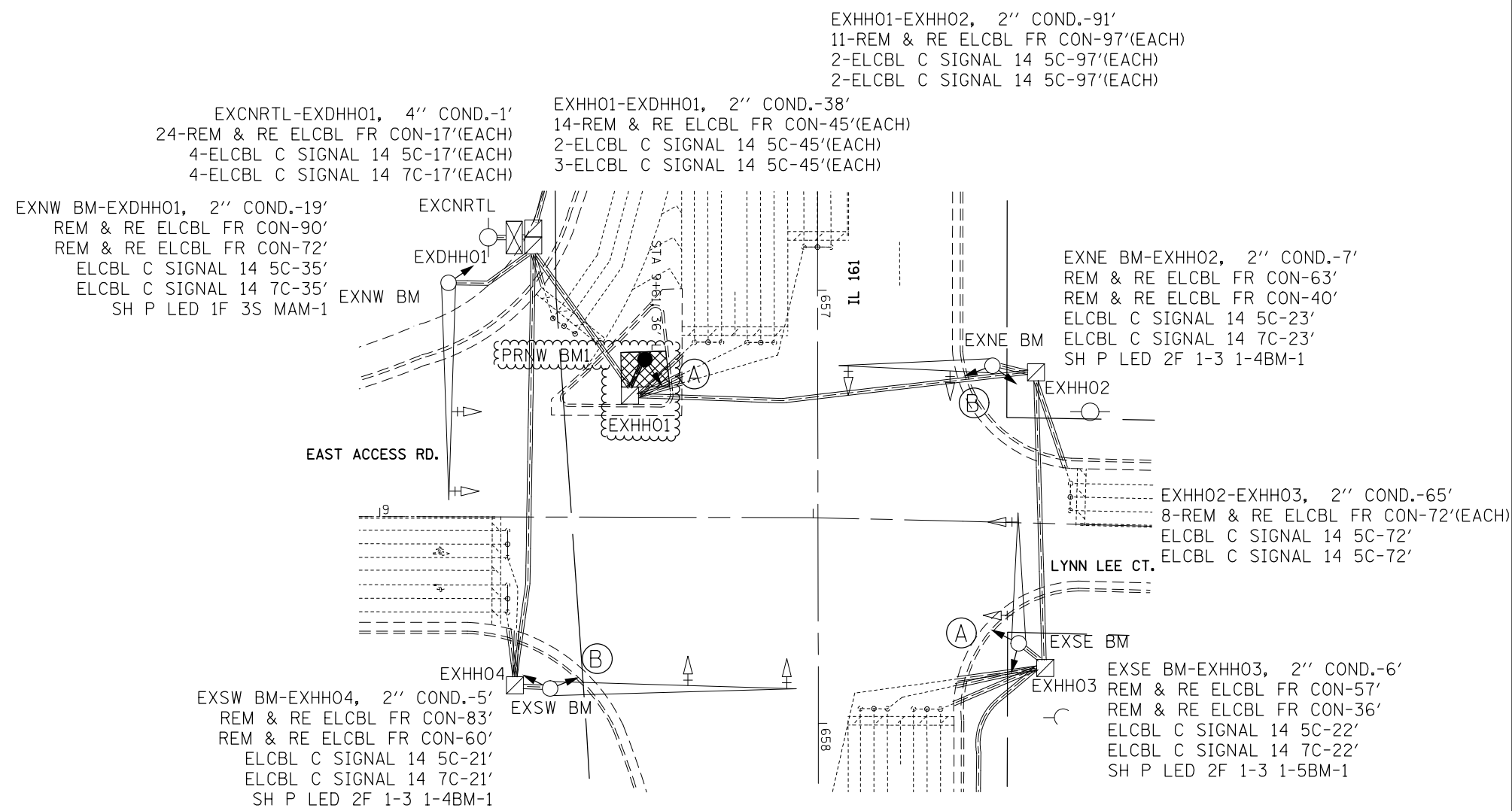
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	44
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TRAFFIC SIGNAL FACES

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

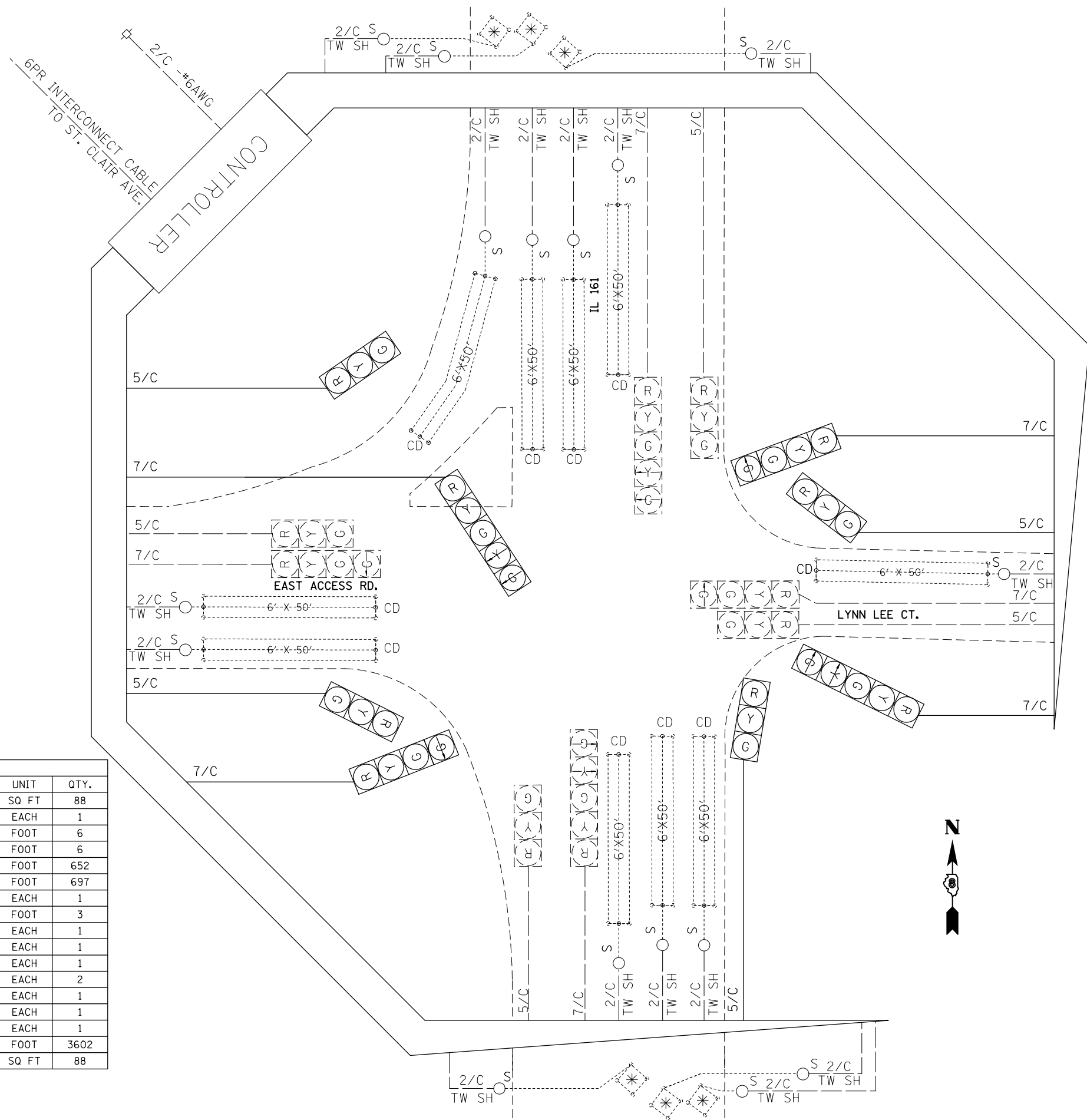


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- * EXISTING 6'X6' CCO



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	88
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	6
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	6
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	652
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	697
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
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
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
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3602
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	88

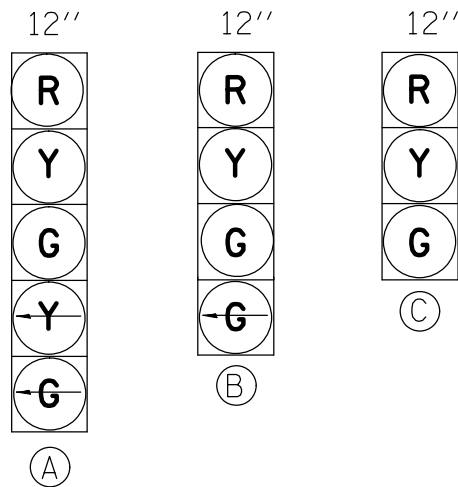
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 161 & LYNN LEE (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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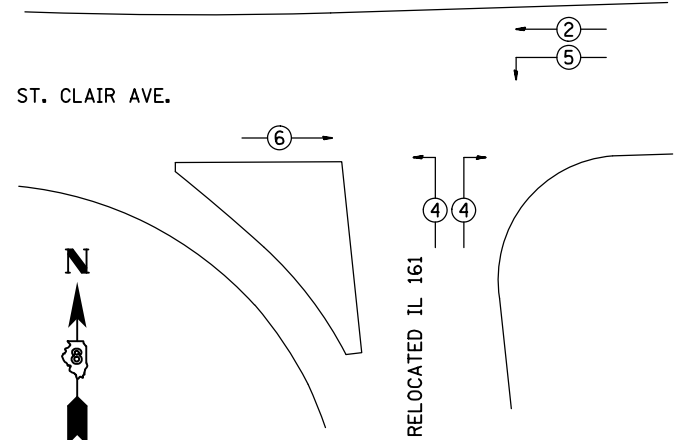
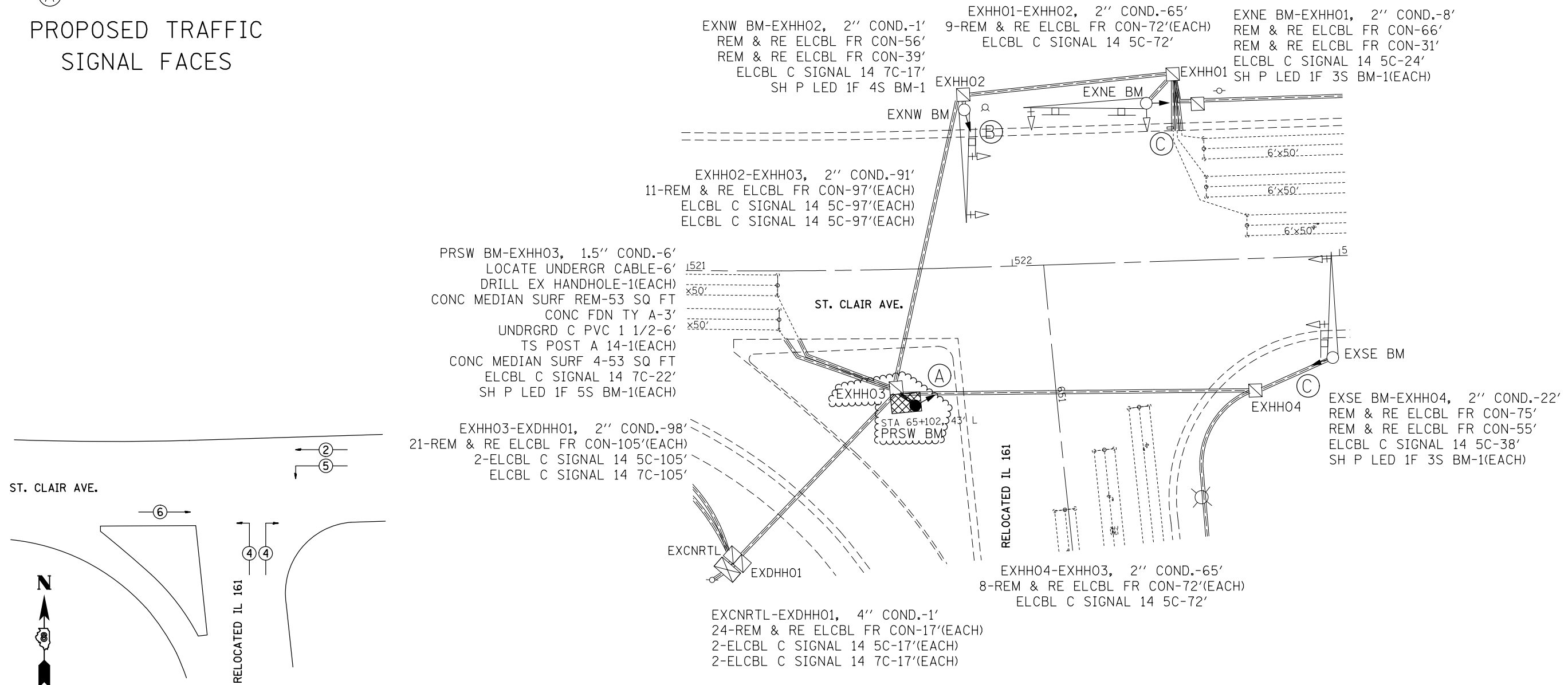
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*	DIST 8 TS 2018-1	*	120	46
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TRAFFIC SIGNAL FACES

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

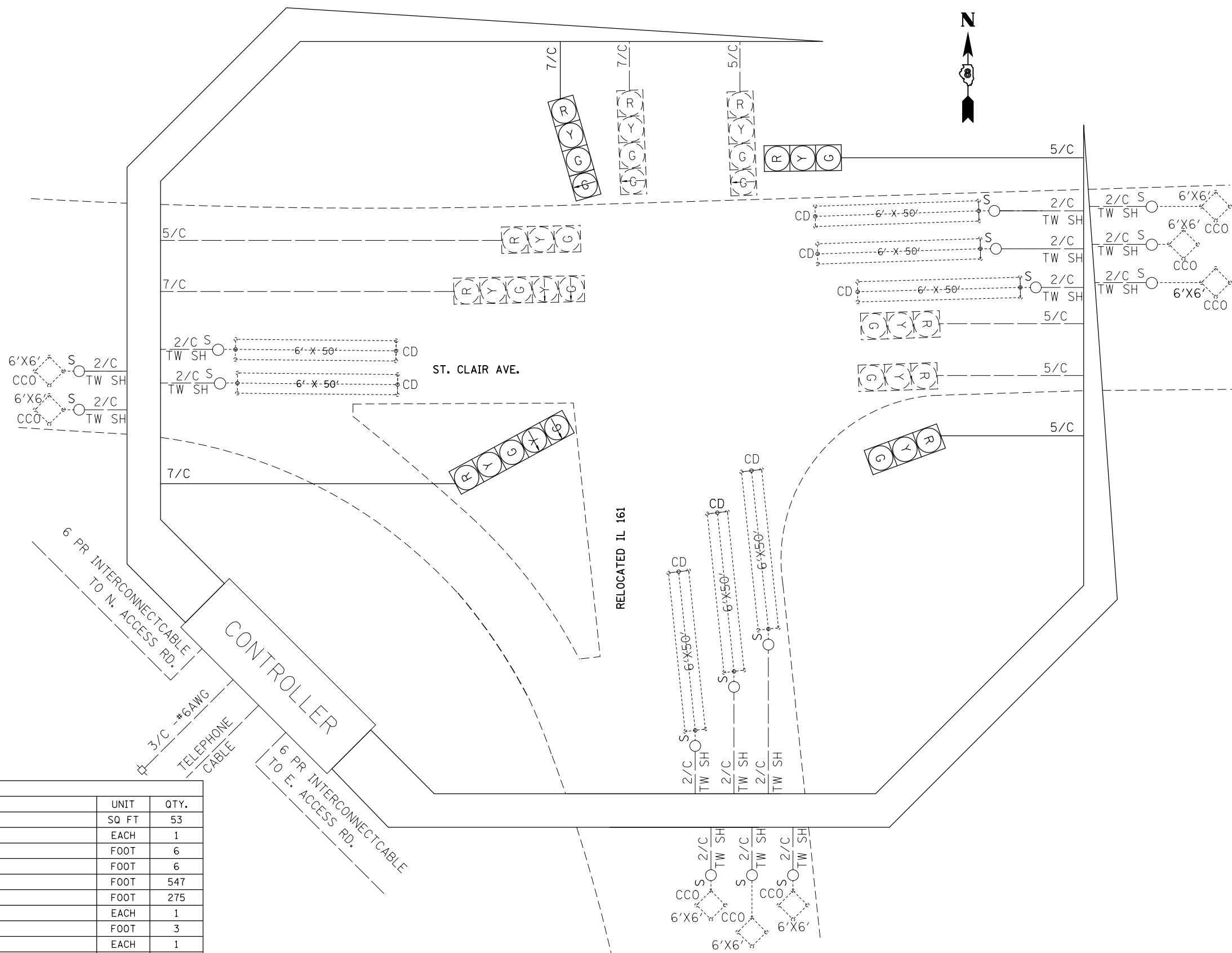


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	53
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	6
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	6
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	547
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	275
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5226
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	53

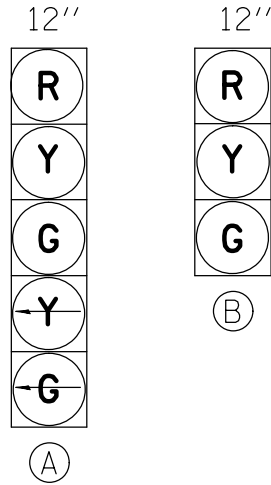
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 161 & ST CLAIR (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	48
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

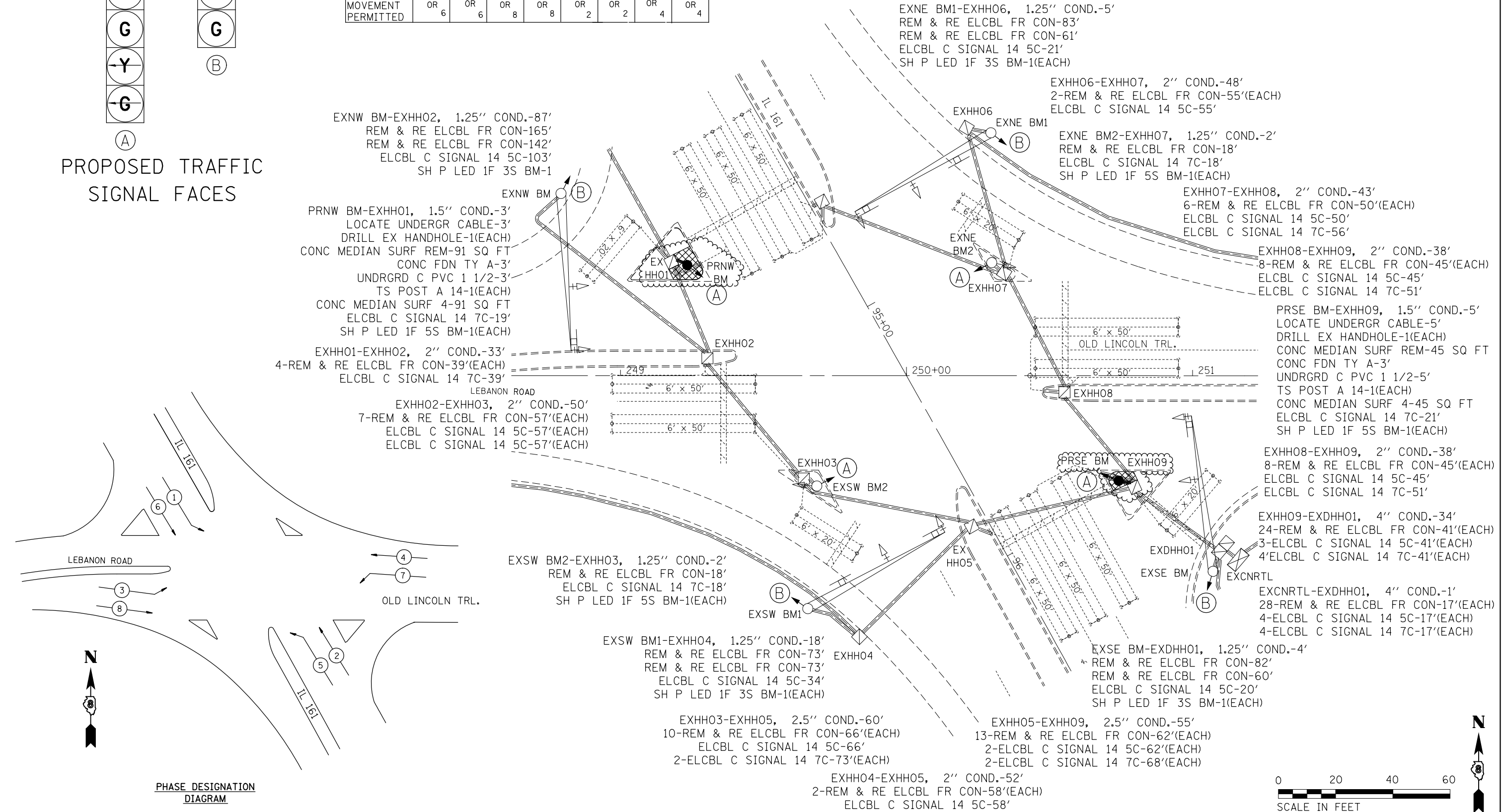


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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



PHASE DESIGNATION DIAGRAM



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PLOT DATE = 8/24/2017		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

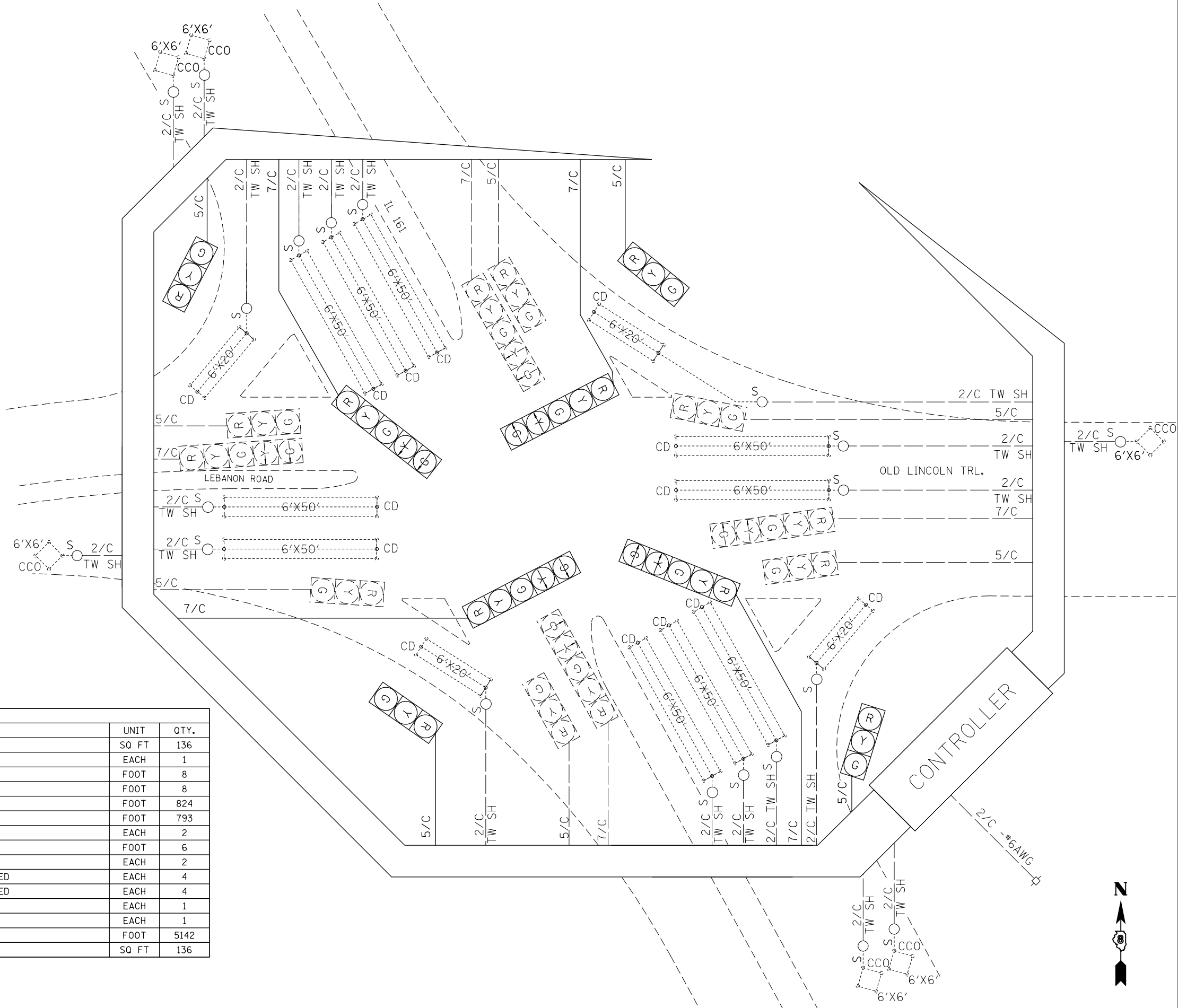
IL 161 & OLD LINCOLN TRAIL (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN

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

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	49
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	136
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	8
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	8
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	824
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	793
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	2
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5142
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	136

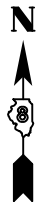
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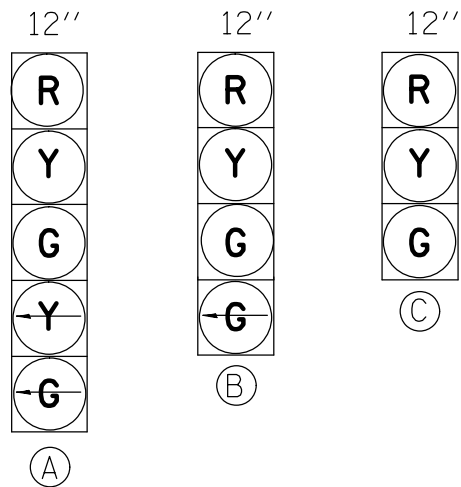
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 161 & OLD LINCOLN TRAIL (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	50
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





PROPOSED TRAFFIC SIGNAL FACES

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXNW BM-EXHH01, 2" COND.-5'
 REM & RE ELCBL FR CON-60'
 2-REM & RE ELCBL FR CON-55'
 REM & RE ELCBL FR CON-46'
 2-REM & RE ELCBL FR CON-21'(EACH)
 2-REM & RE ELCBL FR CON-14'(EACH)
 ELCBL C SIGNAL 14 5C-21'
 ELCBL C SIGNAL 14 7C-21'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXNE BM-EXHH06, 2" COND.-64'
 REM & RE ELCBL FR CON-122'
 REM & RE ELCBL FR CON-101'
 REM & RE ELCBL FR CON-80'
 REM & RE ELCBL FR CON-73'
 ELCBL C SIGNAL 14 5C-80'
 ELCBL C SIGNAL 14 7C-80'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH01-EXHH02, 3" COND.-39'
 10-REM & RE ELCBL FR CON-45'(EACH)
 ELCBL C SIGNAL 14 5C-45'
 ELCBL C SIGNAL 14 7C-52'

EXHH06-EXHH05, 2" COND.-56'
 7-REM & RE ELCBL FR CON-62'(EACH)
 ELCBL C SIGNAL 14 5C-62'
 ELCBL C SIGNAL 14 5C-62'

EXHH02-EXHH03, 3" COND.-57'
 11-REM & RE ELCBL FR CON-64'(EACH)
 ELCBL C SIGNAL 14 5C-64'
 ELCBL C SIGNAL 14 7C-64'

EXHH05-EXDHH01, 2.5" COND.-55'
 8-REM & RE ELCBL FR CON-62'(EACH)
 ELCBL C SIGNAL 14 5C-62'(EACH)
 ELCBL C SIGNAL 14 7C-68'(EACH)

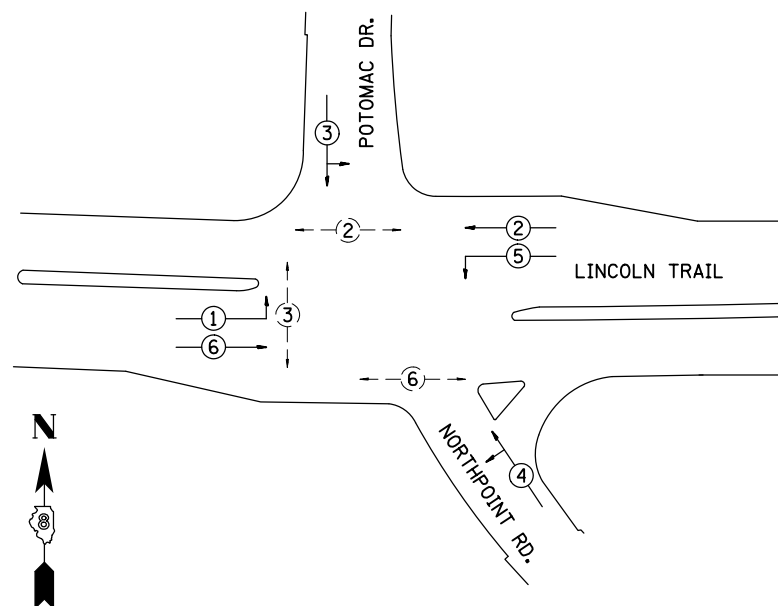
EXSW BM-EXHH03, 2" COND.-14'
 REM & RE ELCBL FR CON-68'
 REM & RE ELCBL FR CON-50'
 REBUILD EX SIG HEAD-1(EACH)
 ELCBL C SIGNAL 14 7C-30'
 SH P LED 1F 5S BM-1(EACH)

EXSE BM-EXDHH01, 2" COND.-5'
 REM & RE ELCBL FR CON-66'
 2-REM & RE ELCBL FR CON-57'(EACH)
 REM & RE ELCBL FR CON-51'
 ELCBL C SIGNAL 14 5C-21'
 SH P LED 1F 3S BM-1(EACH)

EXHH03-EXHH04, 3.5" COND.-60'
 14-REM & RE ELCBL FR CON-66'(EACH)
 ELCBL C SIGNAL 14 5C-66'
 2-ELCBL C SIGNAL 14 7C-73'(EACH)

EXHH04-EXDHH01, 3.5" COND.-60'
 16-REM & RE ELCBL FR CON-66'(EACH)
 ELCBL C SIGNAL 14 5C-66'
 2-ELCBL C SIGNAL 14 7C-73'(EACH)

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



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

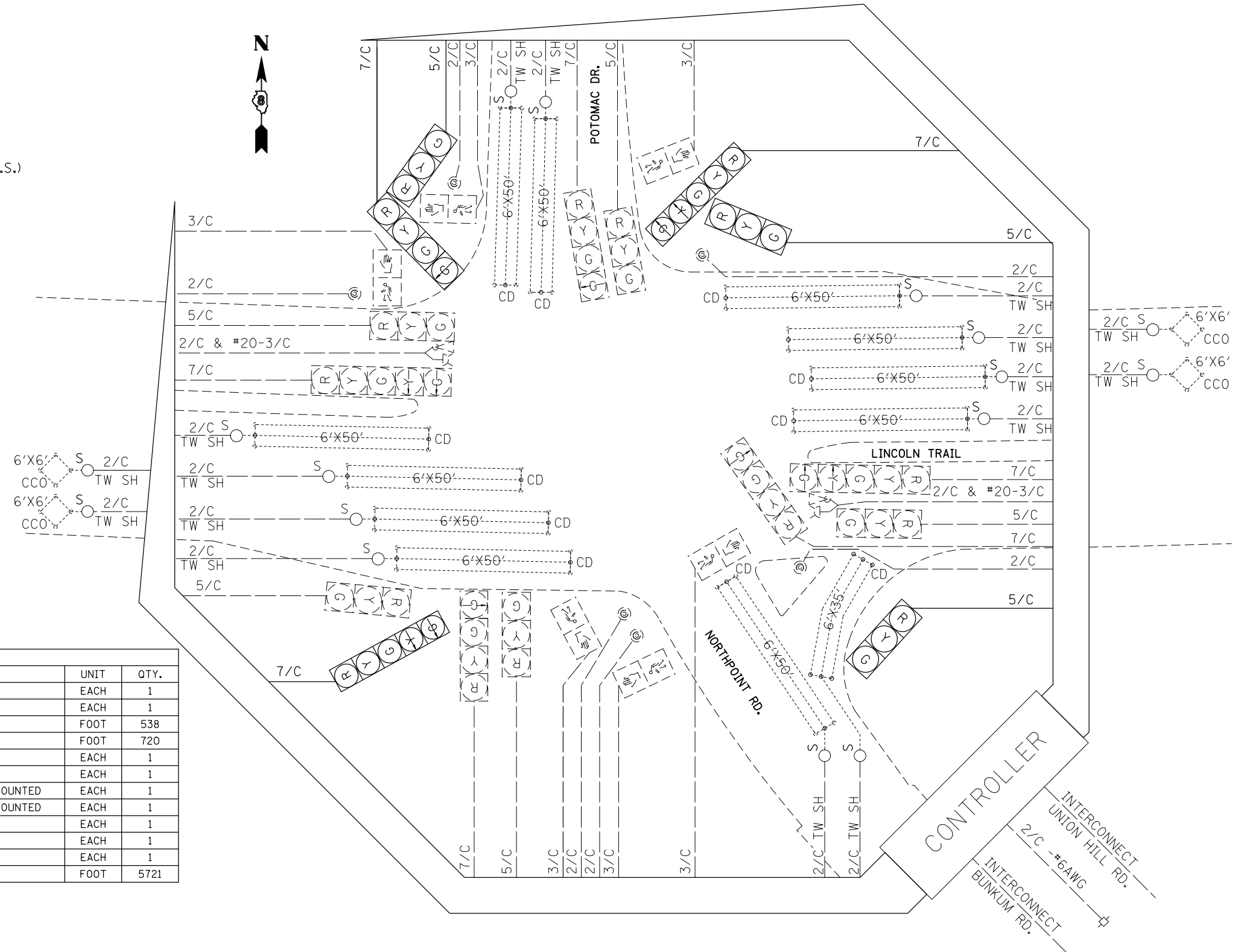
LINCOLN TRAIL & POTOMAC (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN

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

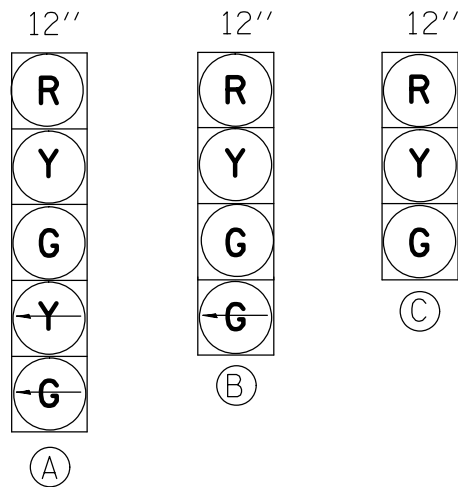
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	51
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⊕ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⊖ EXISTING (E.V.P.S.) CONFIRMATION BEACON



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	538
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	720
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	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	5721

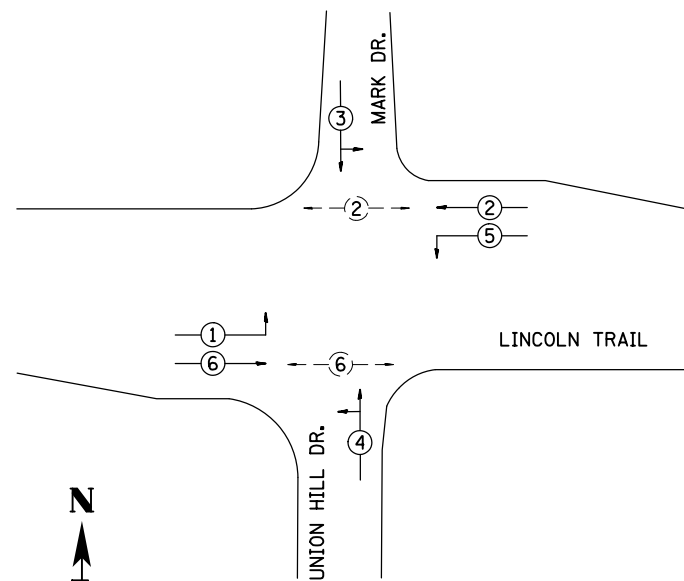


PROPOSED TRAFFIC SIGNAL FACES

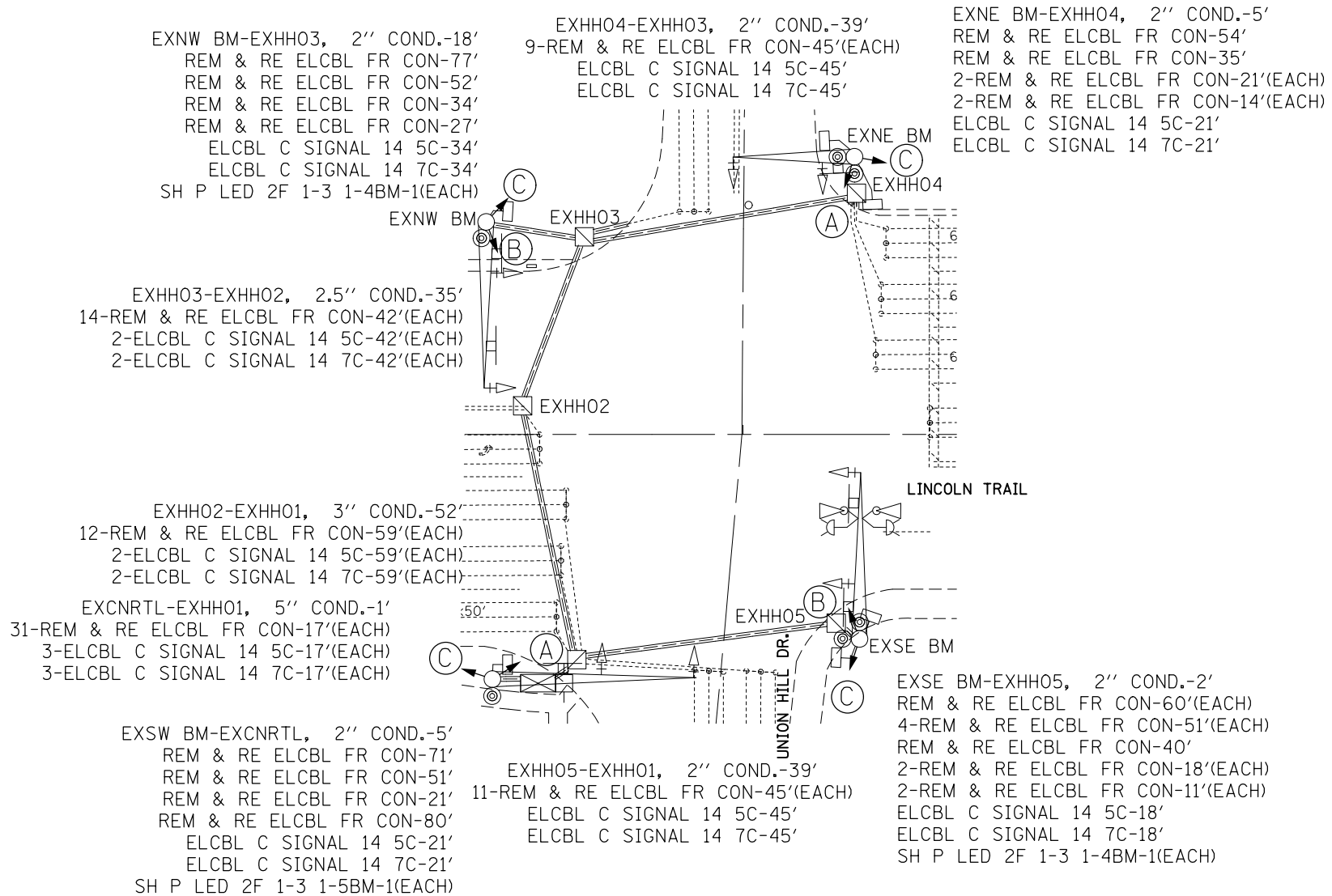
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↓	↑	→	←	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

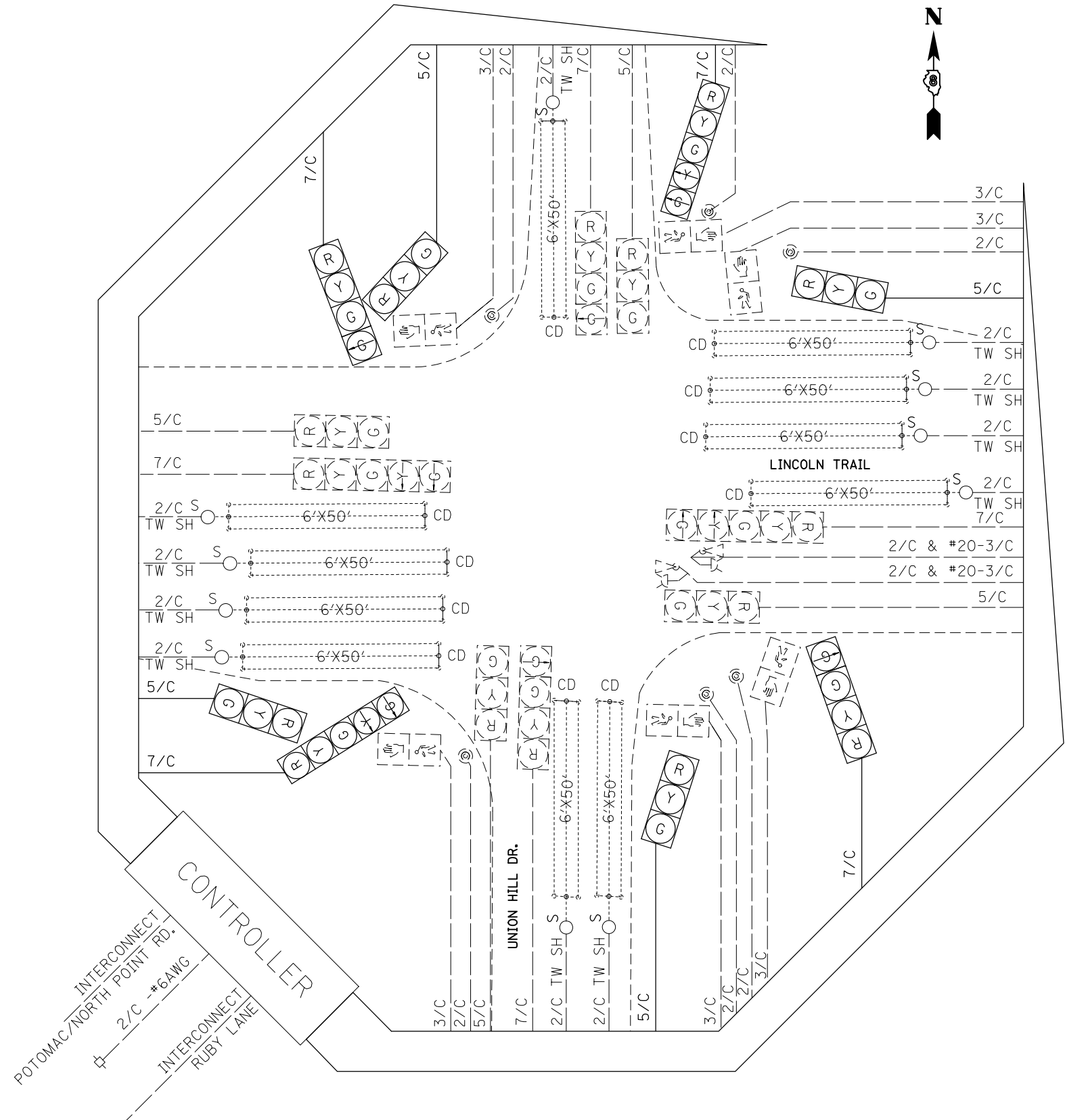
LINCOLN TRAIL & MARK (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	53
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⊕ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⊕ EXISTING (E.V.P.S.) CONFIRMATION BEACON



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	437
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	437
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	3657

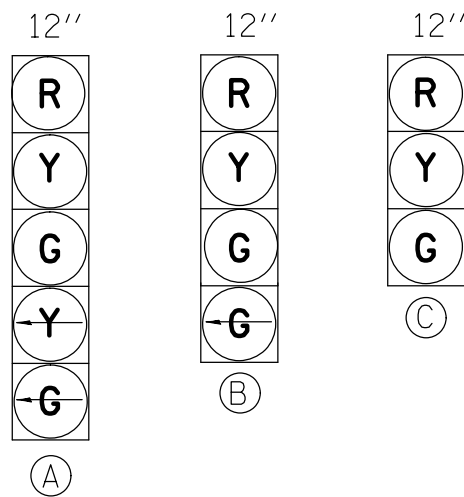
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LINCOLN TRAIL & MARK (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	54
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



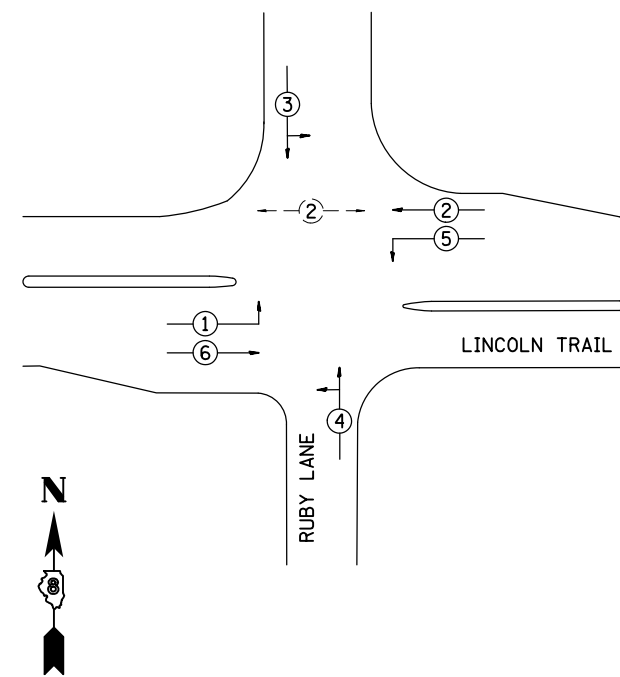
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

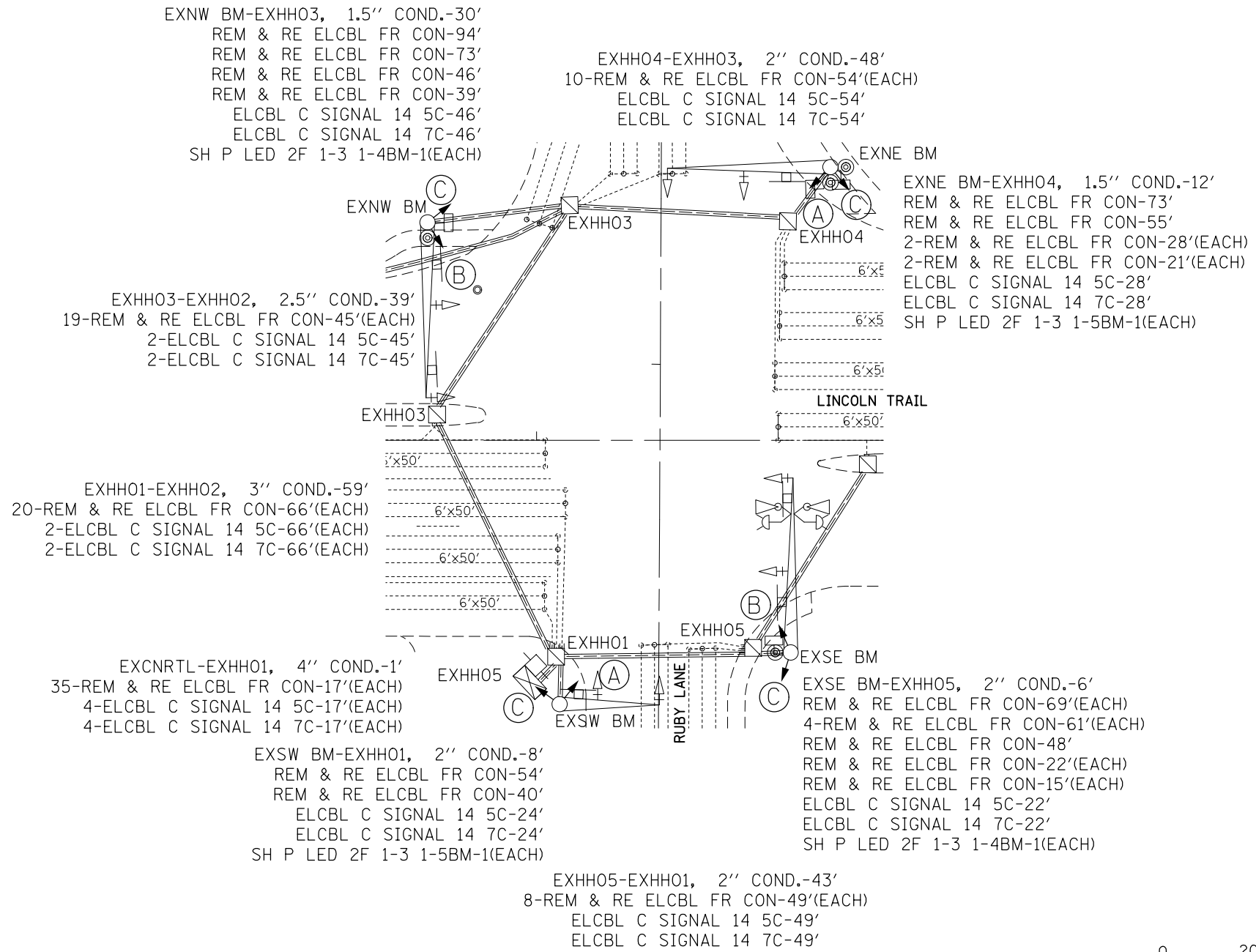
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

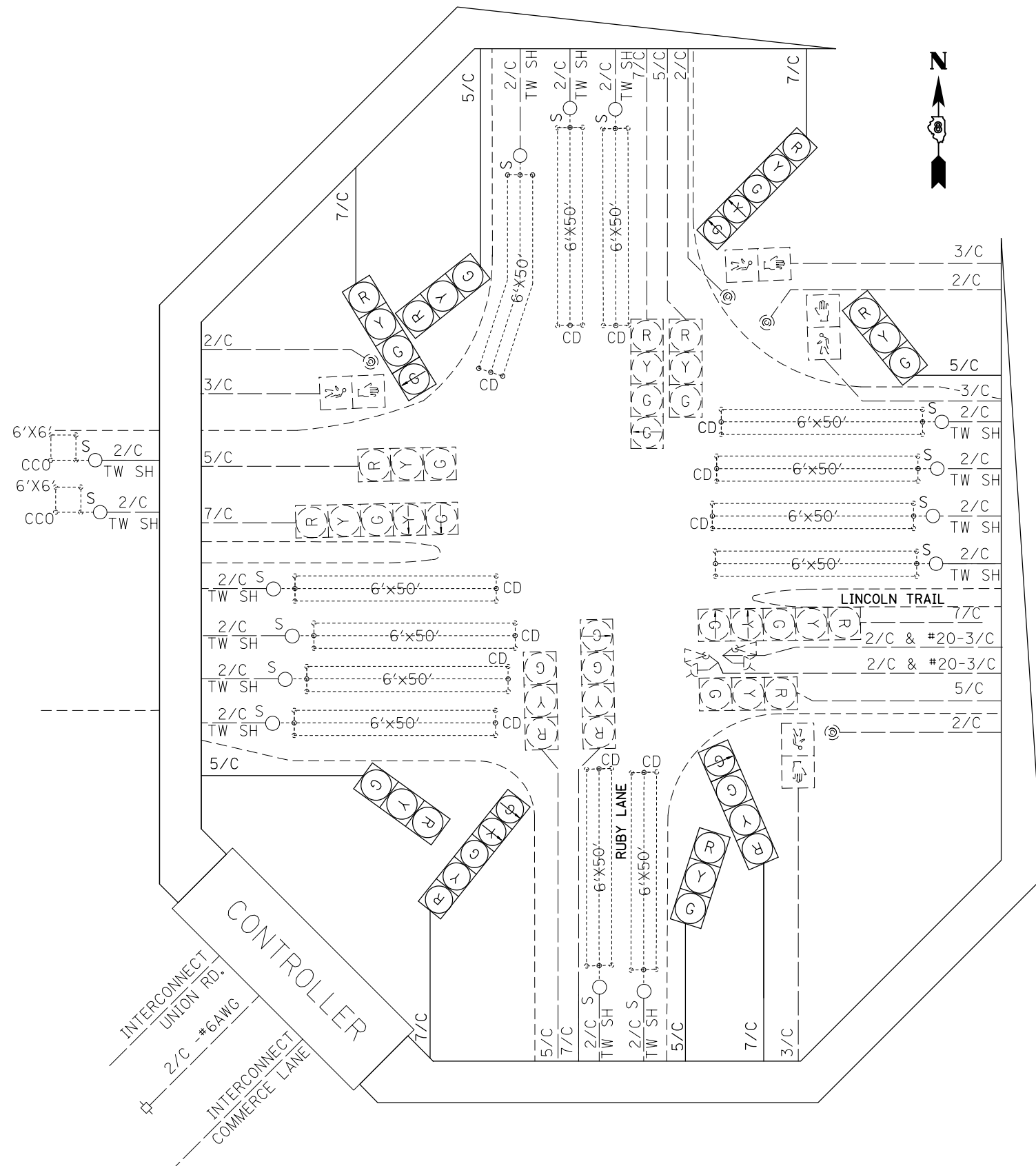


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⊕ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⊕ EXISTING (E.V.P.S.) CONFIRMATION BEACON



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	513
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	513
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	4720

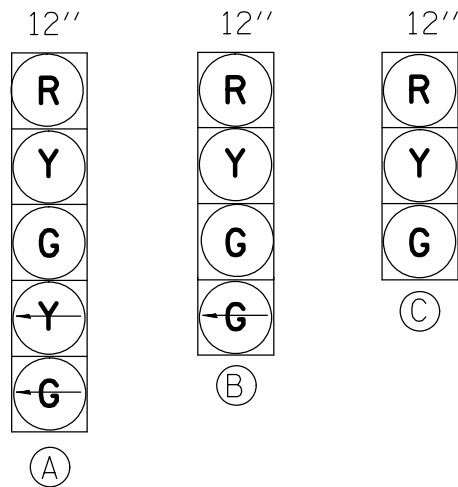
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LINCOLN TRAIL & RUBY (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	56
•=VARIOUS		CONTRACT NO. 76J24		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

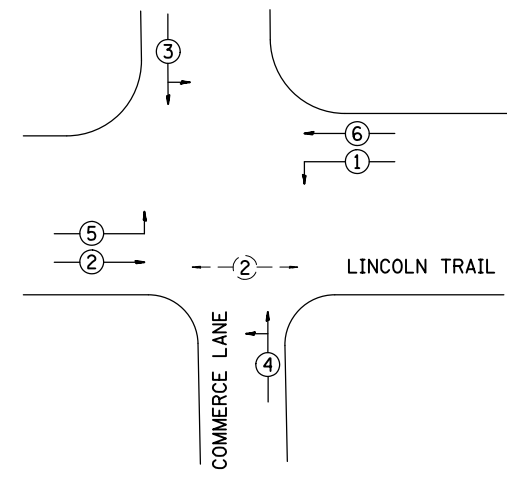
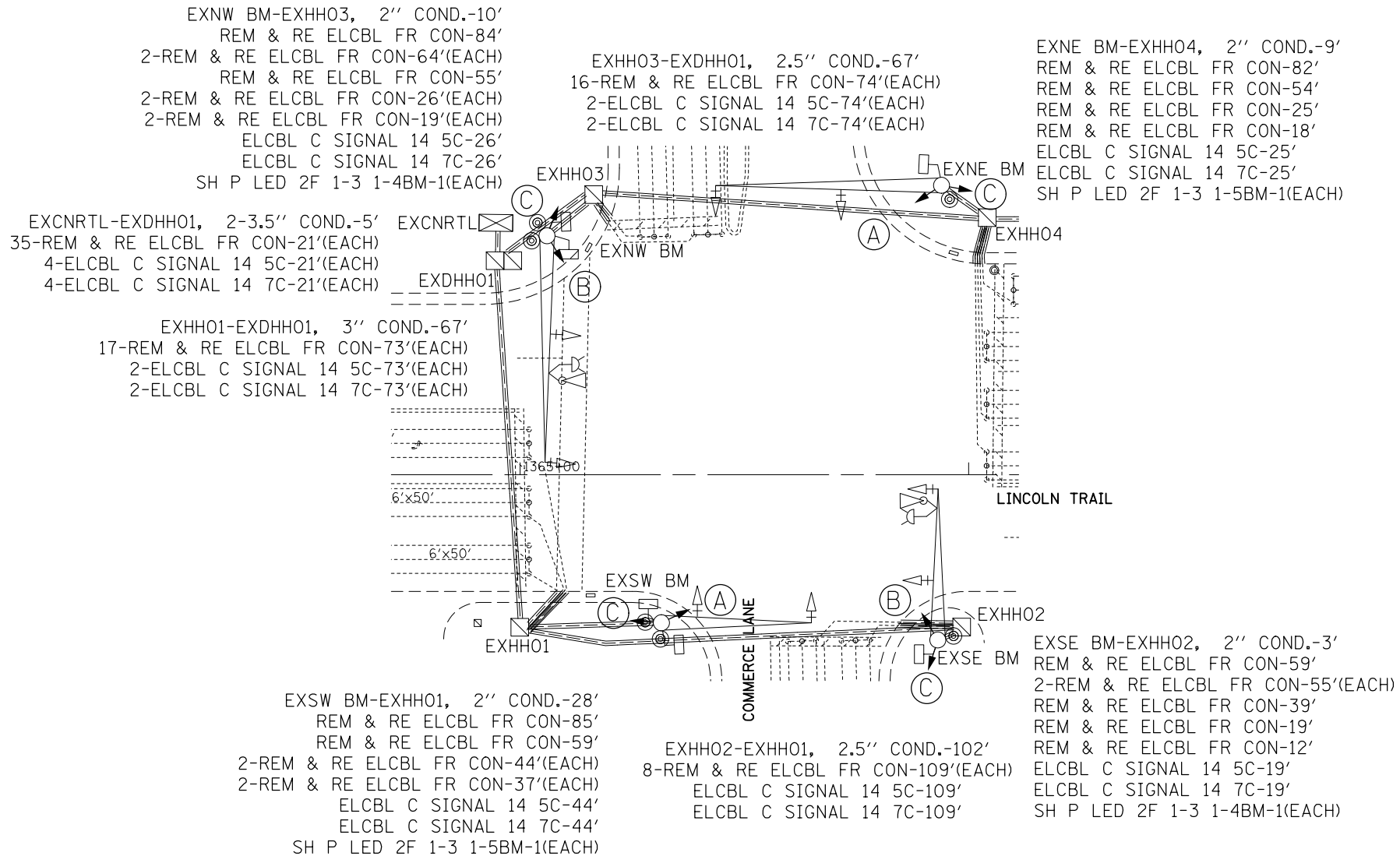


PROPOSED TRAFFIC SIGNAL FACES

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

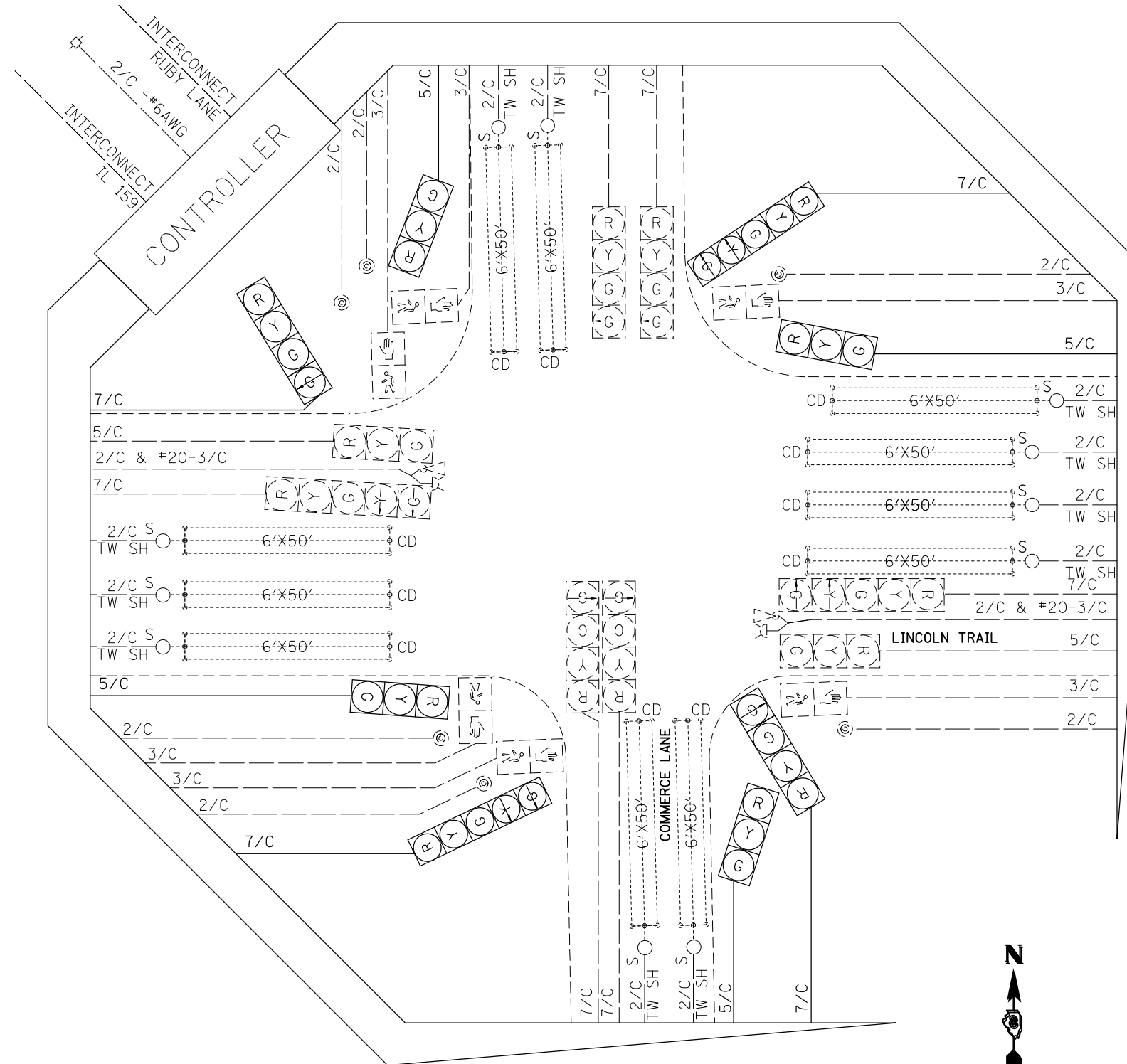


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⊕ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⊕ EXISTING (E.V.P.S.) CONFIRMATION BEACON



SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	692
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	692
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	5841



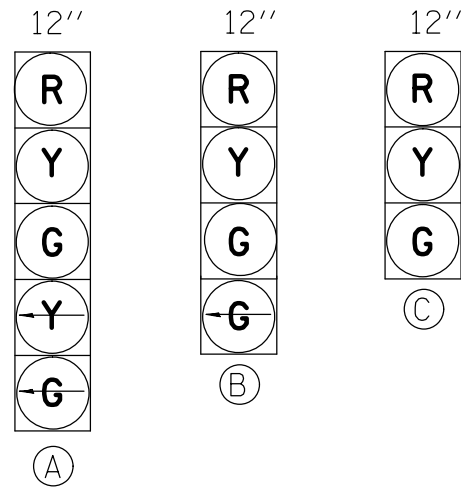
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LINCOLN TRAIL & COMMERCE (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	58
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

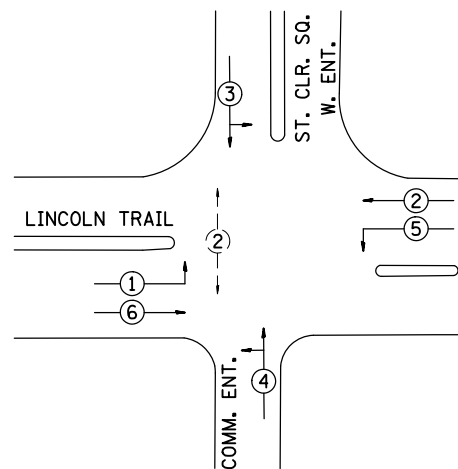
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

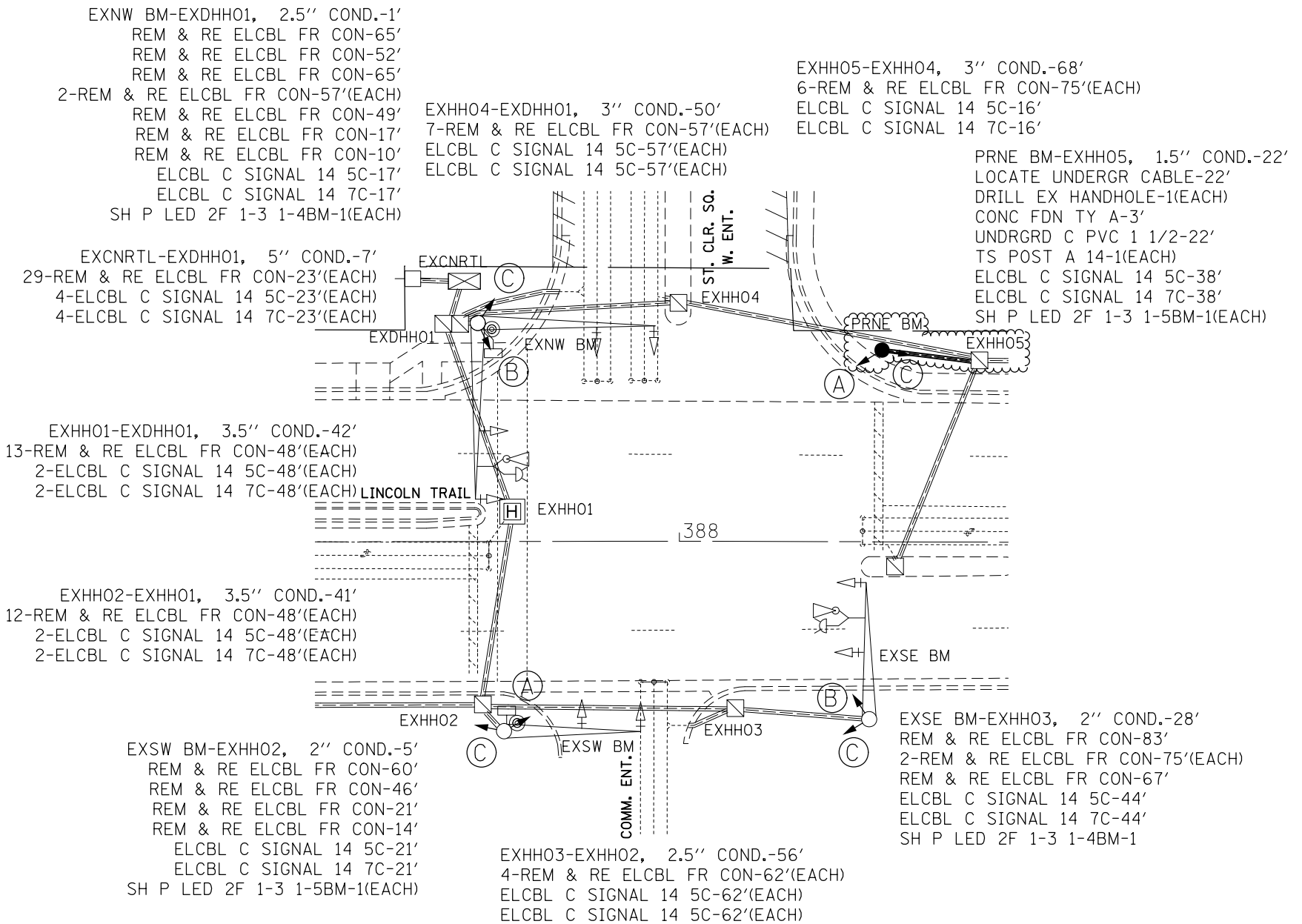
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↕	↕	↔	↔	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

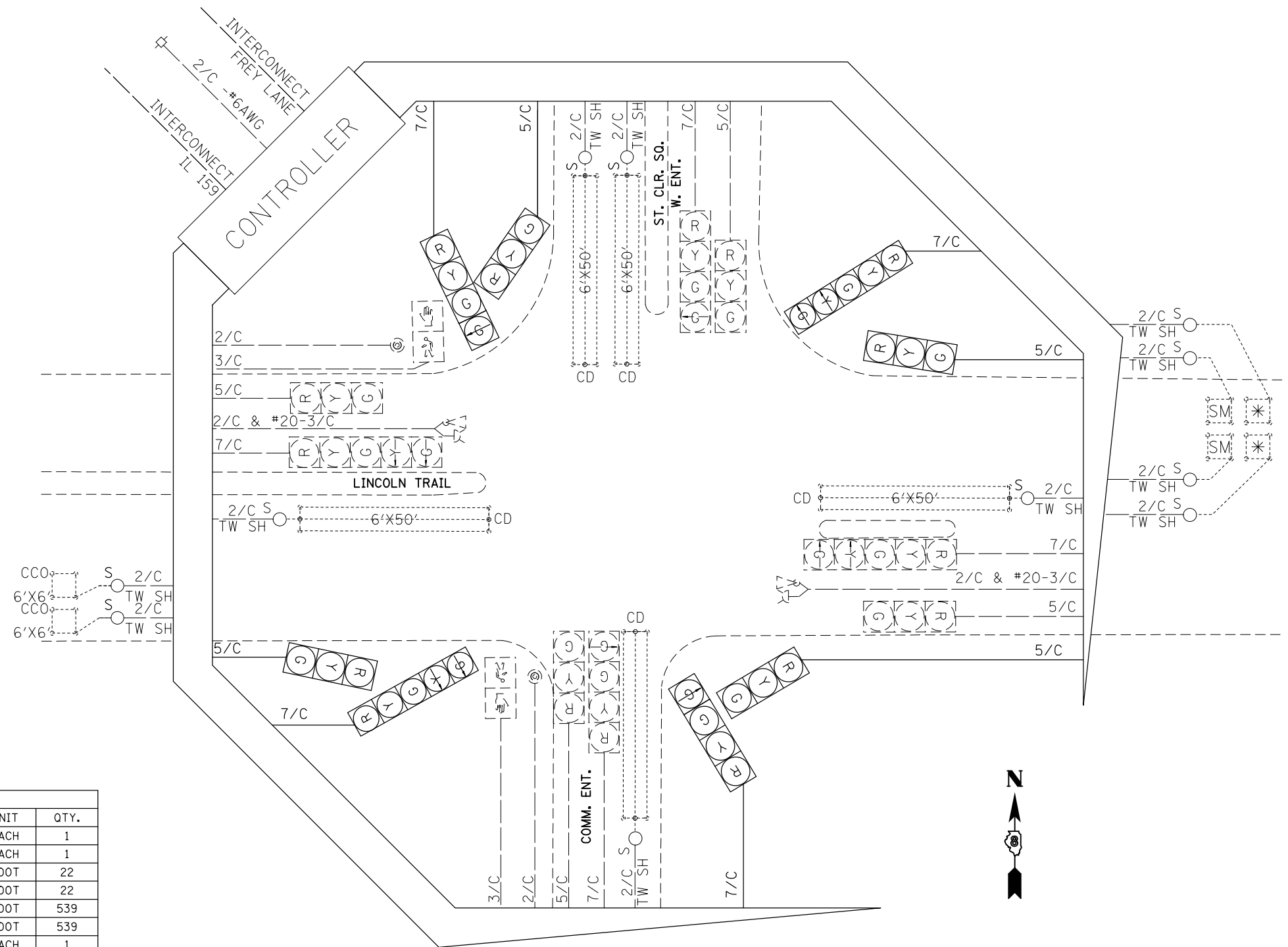


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌋ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌋ EXISTING (E.V.P.S.) CONFIRMATION BEACON
- * EXISTING 6'X6' SYSTEM DETECTOR
- SM EXISTING 6'X6' SPEED MONITOR



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
80300100	LOCATING UNDERGROUND CABLE	FOOT	22
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	22
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	539
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	539
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040260	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	3777



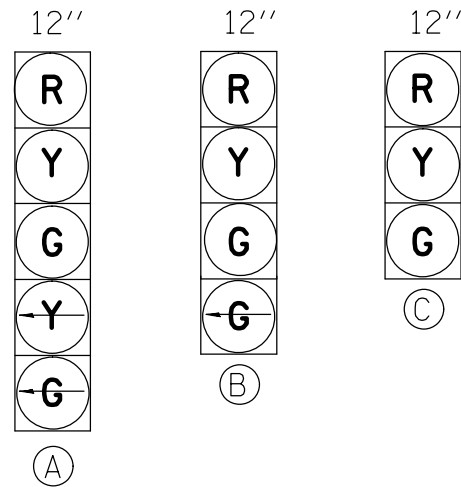
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LINCOLN TRAIL & ST CLAIR SQ. W. ENT. (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	60
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TRAFFIC SIGNAL FACES

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXCNRTL-EXDHH01, 2-3.5" COND.-3'
 24-REM & RE ELCBL FR CON-19'(EACH)
 4-ELCBL C SIGNAL 14 5C-19'(EACH)
 4-ELCBL C SIGNAL 14 7C-19'(EACH)

EXNW BM-EXDHH01, 2" COND.-5'
 REM & RE ELCBL FR CON-64'
 2-REM & RE ELCBL FR CON-56'(EACH)
 REM & RE ELCBL FR CON-49'
 ELCBL C SIGNAL 14 5C-21'
 ELCBL C SIGNAL 14 7C-21'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXHH03-EXDHH01, 3" COND.-38'
 6-REM & RE ELCBL FR CON-44'(EACH)
 ELCBL C SIGNAL 14 5C-44'(EACH)
 ELCBL C SIGNAL 14 7C-44'(EACH)

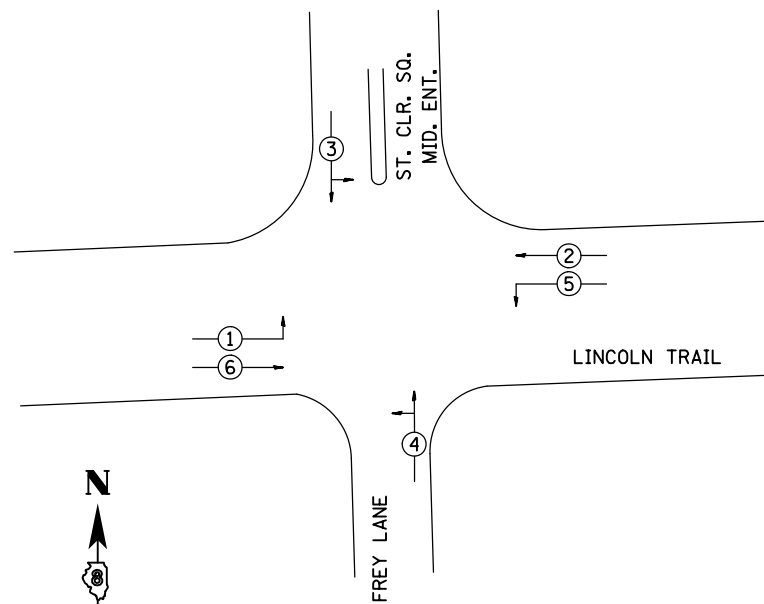
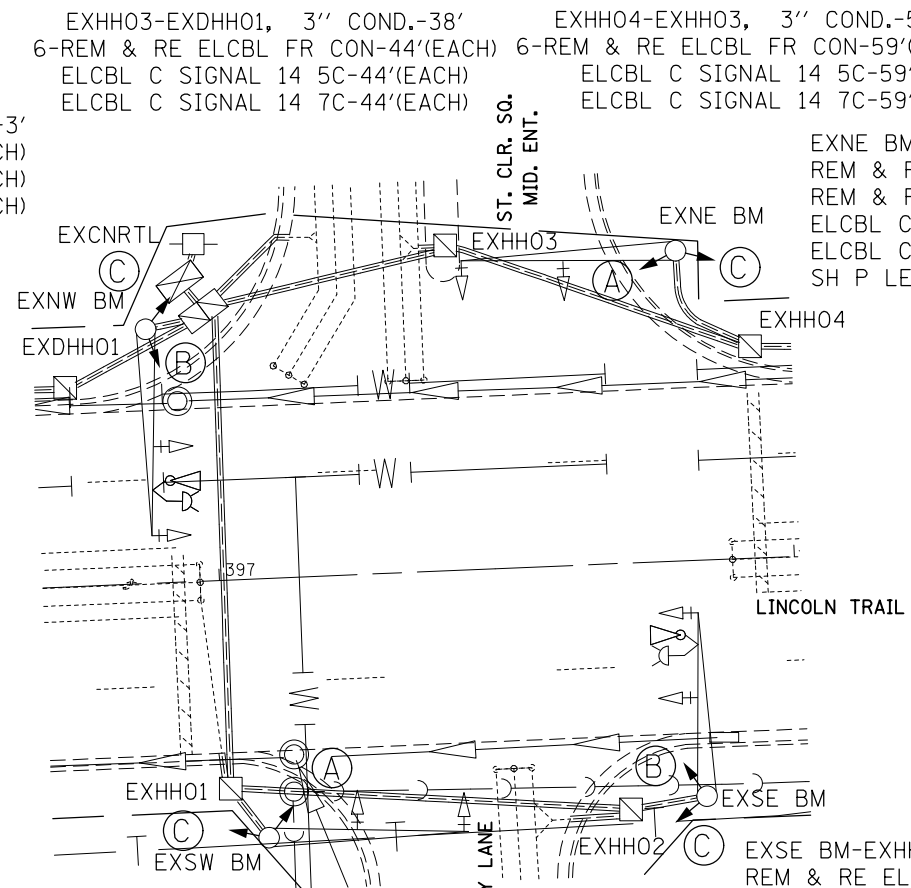
EXHH04-EXHH03, 3" COND.-52'
 6-REM & RE ELCBL FR CON-59'(EACH)
 ELCBL C SIGNAL 14 5C-59'
 ELCBL C SIGNAL 14 7C-59'

EXNE BM-EXHH04, 2" COND.-20'
 REM & RE ELCBL FR CON-80'
 REM & RE ELCBL FR CON-63'
 ELCBL C SIGNAL 14 5C-36'
 ELCBL C SIGNAL 14 7C-36'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXSW BM-EXHH01, 2" COND.-10'
 REM & RE ELCBL FR CON-67'
 REM & RE ELCBL FR CON-49'
 ELCBL C SIGNAL 14 5C-26'
 ELCBL C SIGNAL 14 7C-26'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH02-EXHH01, 2" COND.-66'
 5-REM & RE ELCBL FR CON-73'(EACH)
 ELCBL C SIGNAL 14 5C-73'
 ELCBL C SIGNAL 14 7C-73'

EXSE BM-EXHH02, 2" COND.-10'
 REM & RE ELCBL FR CON-65'
 2-REM & RE ELCBL FR CON-60'(EACH)
 REM & RE ELCBL FR CON-50'
 ELCBL C SIGNAL 14 5C-26'
 ELCBL C SIGNAL 14 7C-26'
 SH P LED 2F 1-3 1-4BM-1(EACH)



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

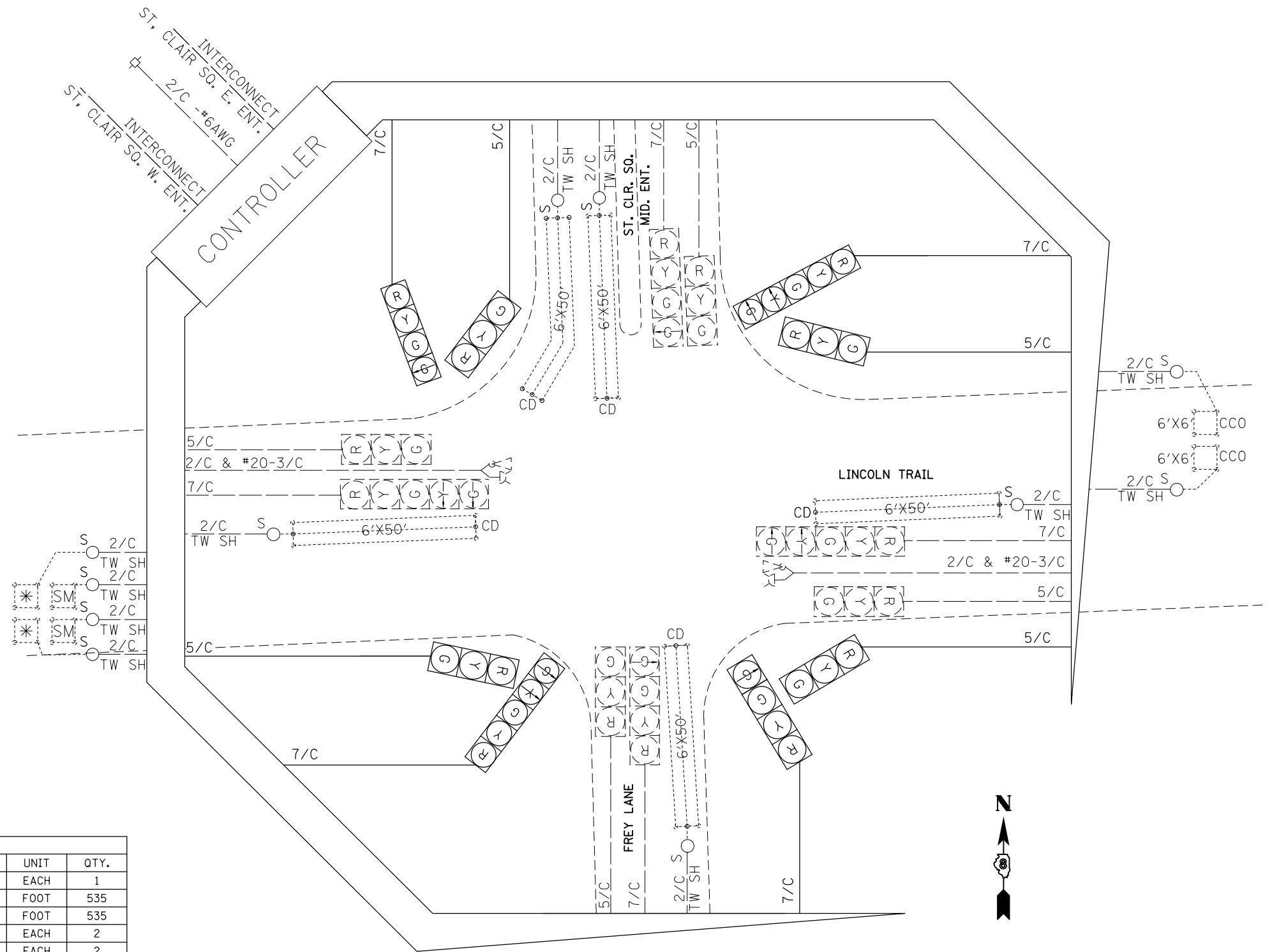
LINCOLN & FREY (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	61
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌋ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌋ EXISTING (E.V.P.S.) CONFIRMATION BEACON
- * EXISTING 6'X6' SYSTEM DETECTOR
- SM EXISTING 6'X6' SPEED MONITOR



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	535
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	535
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	3202

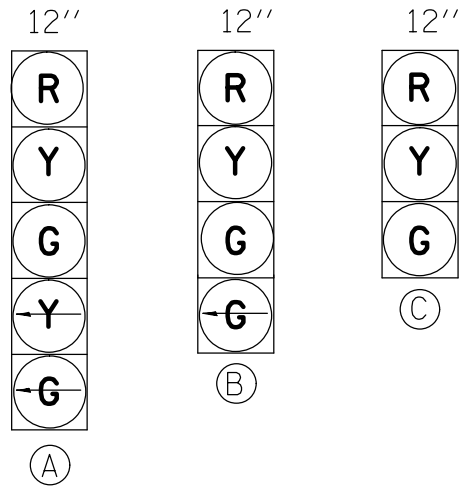
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LINCOLN & FREY (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	62
•=VARIOUS		CONTRACT NO. 76J24		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXCNRTL-EXHH01, 2-3.5" COND.-16'
 26-REM & RE ELCBL FR CON-32'(EACH)
 3-ELCBL C SIGNAL 14 5C-32'(EACH)
 3-ELCBL C SIGNAL 14 7C-32'(EACH)

EXNW BM-EXHH01, 2" COND.-4'
 REM & RE ELCBL FR CON-77'
 4-REM & RE ELCBL FR CON-67'(EACH)
 REM & RE ELCBL FR CON-49'
 2-REM & RE ELCBL FR CON-20'(EACH)
 2-REM & RE ELCBL FR CON-13'(EACH)
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXHH02-EXHH01, 2.5" COND.-96'
 15-REM & RE ELCBL FR CON-103'(EACH)
 2-ELCBL C SIGNAL 14 5C-103'(EACH)
 2-ELCBL C SIGNAL 14 7C-103'(EACH)

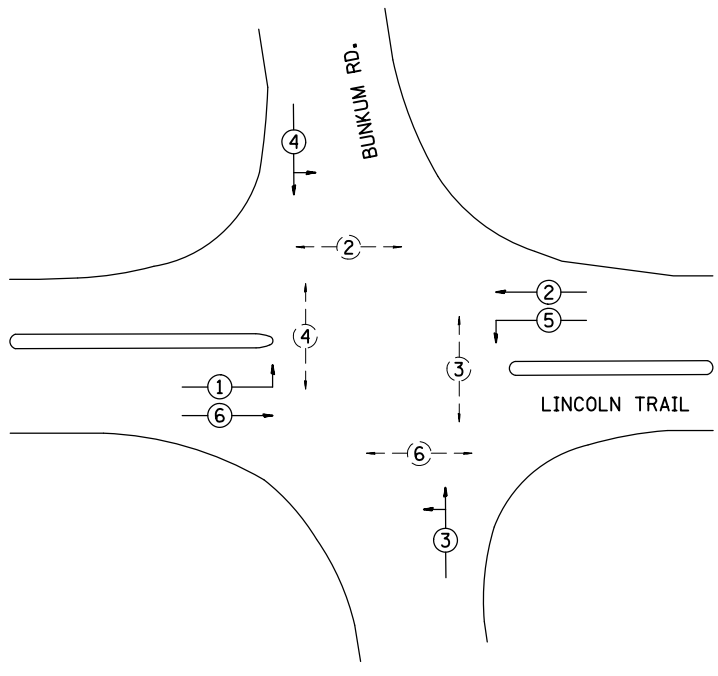
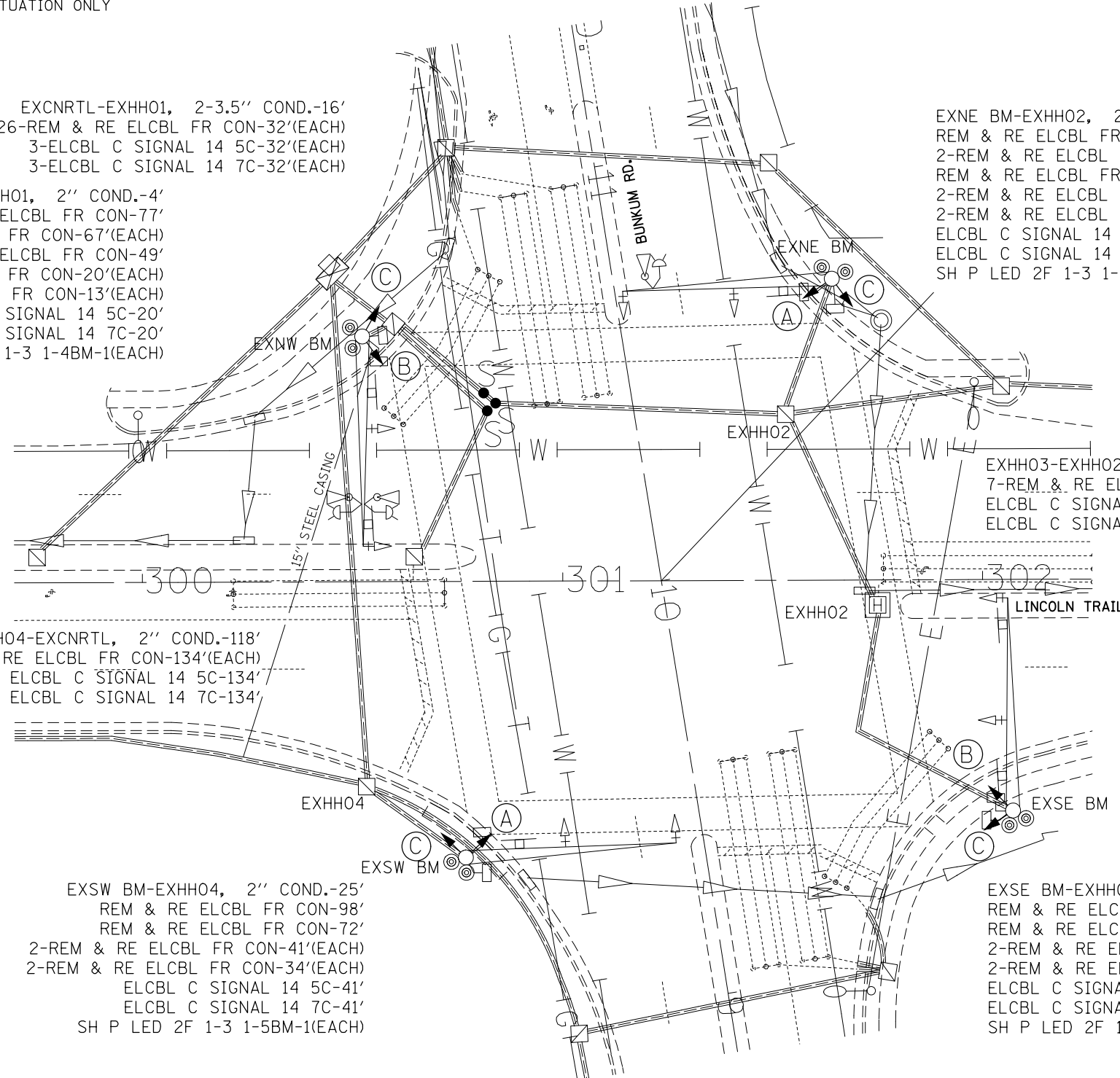
EXNE BM-EXHH02, 2" COND.-31'
 REM & RE ELCBL FR CON-104'
 2-REM & RE ELCBL FR CON-97'(EACH)
 REM & RE ELCBL FR CON-77'
 2-REM & RE ELCBL FR CON-47'(EACH)
 2-REM & RE ELCBL FR CON-40'(EACH)
 ELCBL C SIGNAL 14 5C-47'
 ELCBL C SIGNAL 14 7C-47'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH04-EXCNRTL, 2" COND.-118'
 10-REM & RE ELCBL FR CON-134'(EACH)
 ELCBL C SIGNAL 14 5C-134'
 ELCBL C SIGNAL 14 7C-134'

EXSW BM-EXHH04, 2" COND.-25'
 REM & RE ELCBL FR CON-98'
 REM & RE ELCBL FR CON-72'
 2-REM & RE ELCBL FR CON-41'(EACH)
 2-REM & RE ELCBL FR CON-34'(EACH)
 ELCBL C SIGNAL 14 5C-41'
 ELCBL C SIGNAL 14 7C-41'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH03-EXHH02, 2" COND.-46'
 7-REM & RE ELCBL FR CON-53'(EACH)
 ELCBL C SIGNAL 14 5C-53'
 ELCBL C SIGNAL 14 7C-53'

EXSE BM-EXHH03, 2" COND.-69'
 REM & RE ELCBL FR CON-142'
 REM & RE ELCBL FR CON-113'
 2-REM & RE ELCBL FR CON-85'(EACH)
 2-REM & RE ELCBL FR CON-78'(EACH)
 ELCBL C SIGNAL 14 5C-85'
 ELCBL C SIGNAL 14 7C-85'
 SH P LED 2F 1-3 1-4BM-1(EACH)



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

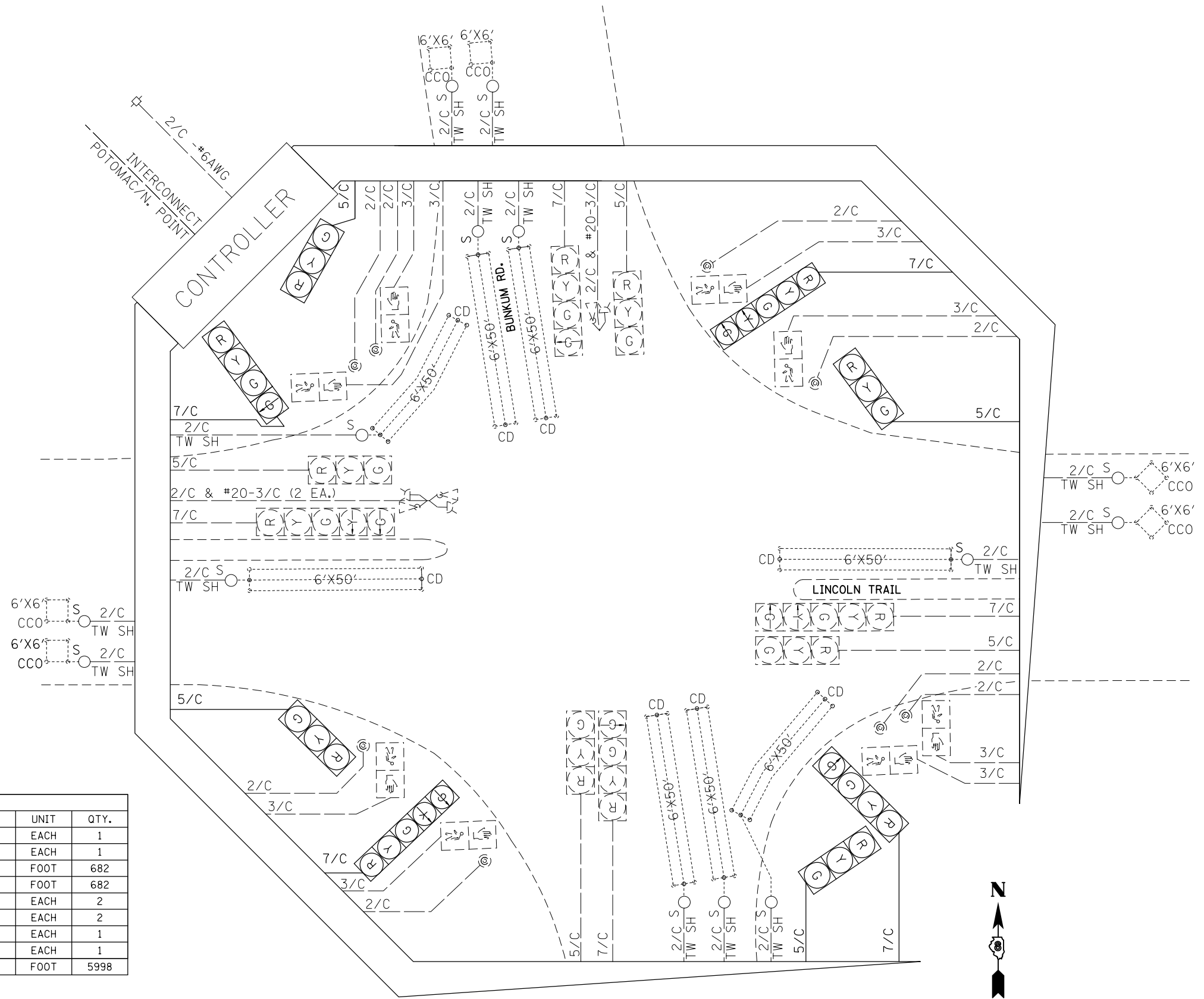
ST CLAIR & BUNKUM (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	63
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⊕ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⊕ EXISTING (E.V.P.S.) CONFIRMATION BEACON



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	682
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	682
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	5998

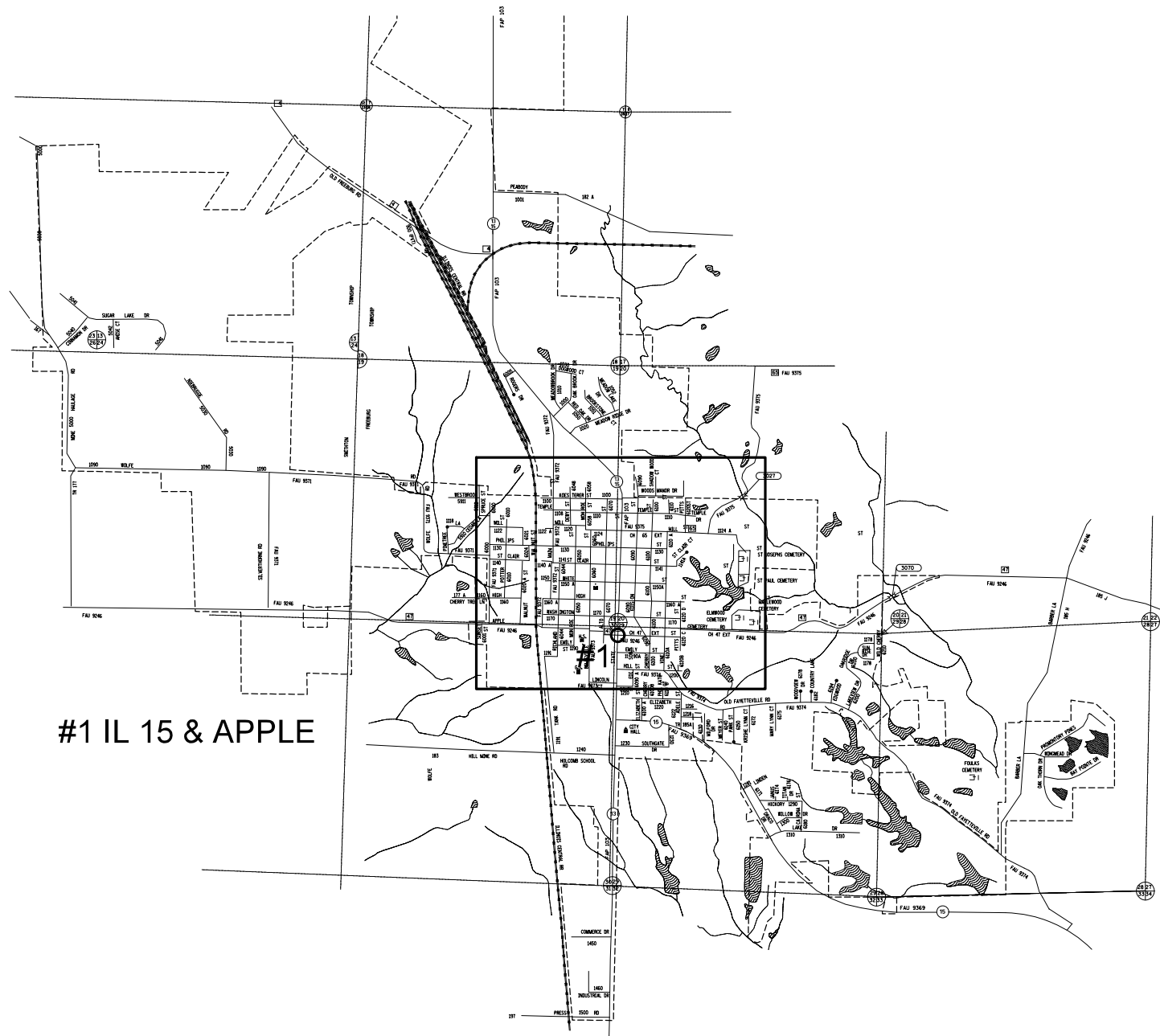
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ST CLAIR & BUNKUM (FAIRVIEW HEIGHTS, ST. CLAIR CNTY.)
WIRING DIAGRAM**

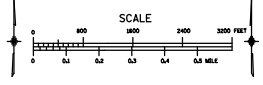
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	64
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



#1 IL 15 & APPLE

FREEBURG

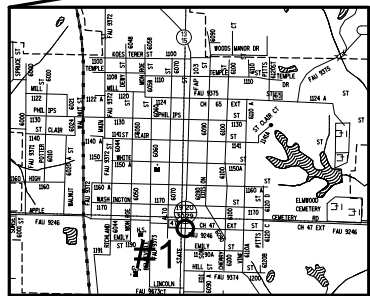


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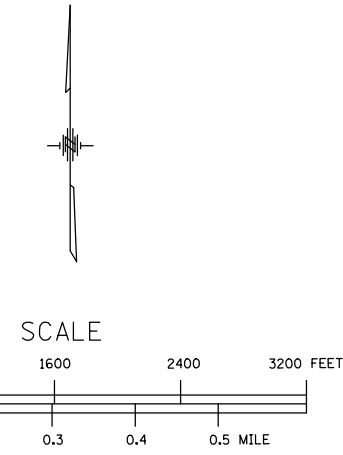
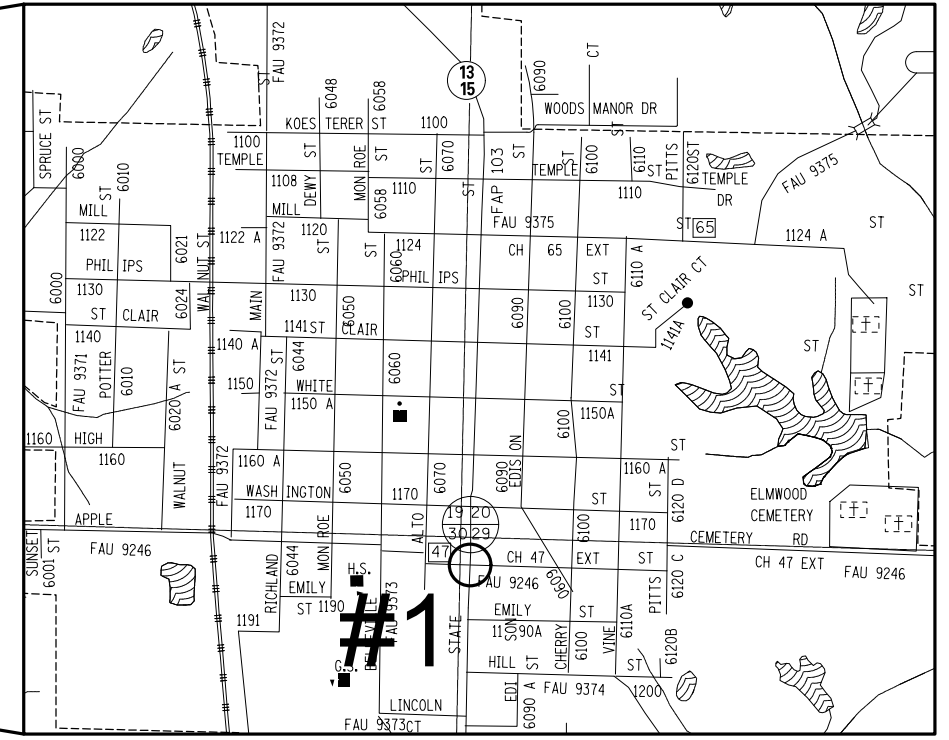
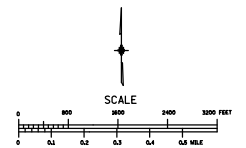
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP			
FREEBURG, ST. CLAIR CNTY.			
1 OF 2			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	65
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



#1 IL 15 & APPLE



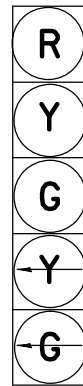
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP FREEBURG, ST. CLAIR CNTY. 2 OF 2			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

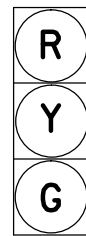
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	66
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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	↔*
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	8	8	1 OR 2	1 OR 2		3 OR 4

* PEDESTRIAN INTERVAL PUSHBUTTON ACTIVATED

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXNW BM-EXHH03, 2.5" COND.-7'
 REM & RE ELCBL FR CON-72'
 REM & RE ELCBL FR CON-68'
 REM & RE ELCBL FR CON-64'
 REM & RE ELCBL FR CON-59'
 3-REM & RE ELCBL FR CON-23'(EACH)
 2-REM & RE ELCBL FR CON-16'(EACH)
 REBUILD EX SIG HEAD-1(EACH)
 ELCBL C SIGNAL 14 5C-23'
 SH P LED 1F 3S BM-1(EACH)

EXNE BM-EXHH01, 2.5" COND.-11'
 REM & RE ELCBL FR CON-58'
 REM & RE ELCBL FR CON-50'
 REM & RE ELCBL FR CON-46'
 REM & RE ELCBL FR CON-44'
 3-REM & RE ELCBL FR CON-27'(EACH)
 2-REM & RE ELCBL FR CON-20'(EACH)
 REBUILD EX SIG HEAD-1(EACH)
 ELCBL C SIGNAL 14 5C-27'
 SH P LED 1F 3S BM-1(EACH)

EXHH03-EXDHH01, 3.5" COND.-102'
 12-REM & RE ELCBL FR CON-109'(EACH)
 ELCBL C SIGNAL 14 5C-109'

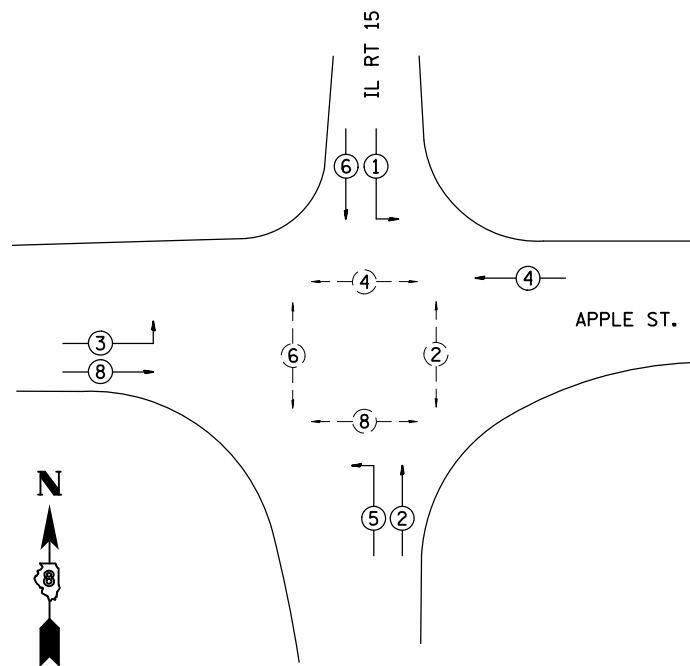
EXHH01-EXHH02, 3.5" COND.-67'
 10-REM & RE ELCBL FR CON-73'(EACH)
 ELCBL C SIGNAL 14 5C-73'

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

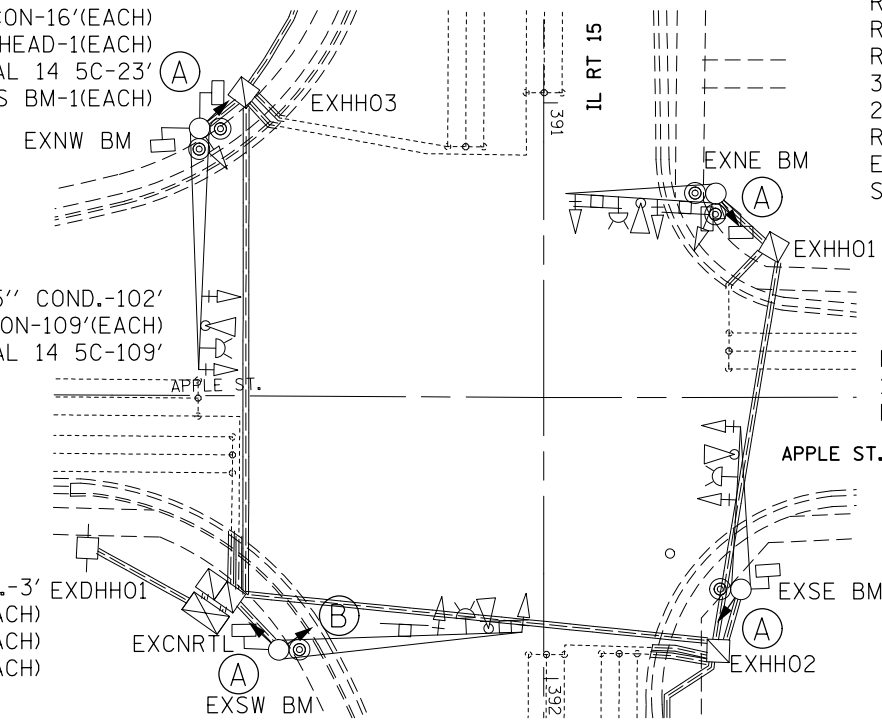
EXSE BM-EXHH02, 2.5" COND.-8'
 REM & RE ELCBL FR CON-59'
 REM & RE ELCBL FR CON-54'
 REM & RE ELCBL FR CON-50'
 REM & RE ELCBL FR CON-46'
 REM & RE ELCBL FR CON-24'
 REM & RE ELCBL FR CON-17'
 ELCBL C SIGNAL 14 5C-24'
 SH P LED 1F 3S BM-1(EACH)

EXSW BM-EXDHH01, 2.5" COND.-9'
 REM & RE ELCBL FR CON-75'
 REM & RE ELCBL FR CON-69'
 REM & RE ELCBL FR CON-65'
 REM & RE ELCBL FR CON-60'
 REM & RE ELCBL FR CON-25'
 REM & RE ELCBL FR CON-18'
 ELCBL C SIGNAL 14 5C-25'
 ELCBL C SIGNAL 14 7C-25'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH02-EXDHH01, 3.5" COND.-67'
 19-REM & RE ELCBL FR CON-74'(EACH)
 ELCBL C SIGNAL 14 5C-74'



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

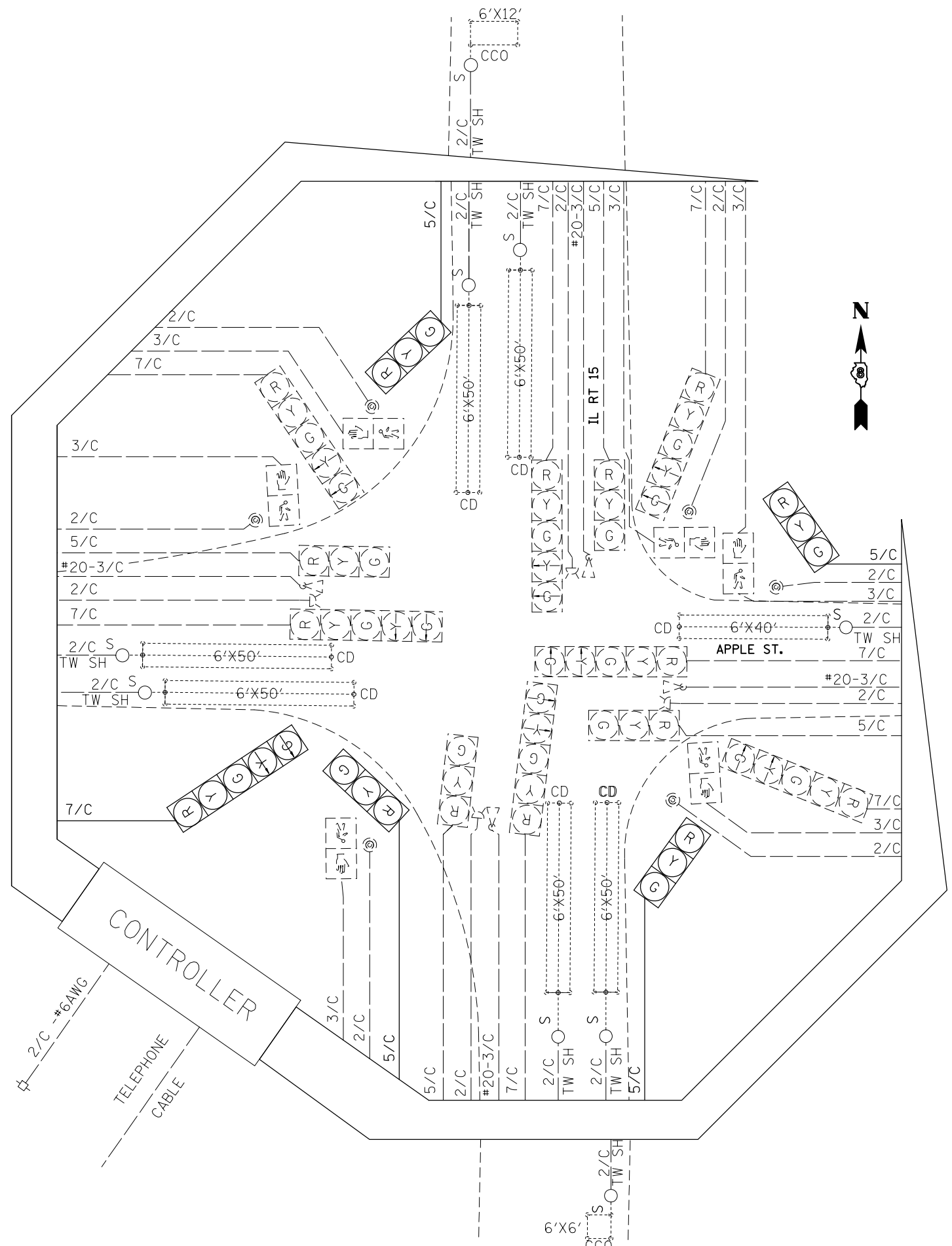
IL 15 & APPLE (FREEBURG, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	67
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⊕ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⊖ EXISTING (E.V.P.S.) CONFIRMATION BEACON



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	412
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	44
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
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	5368

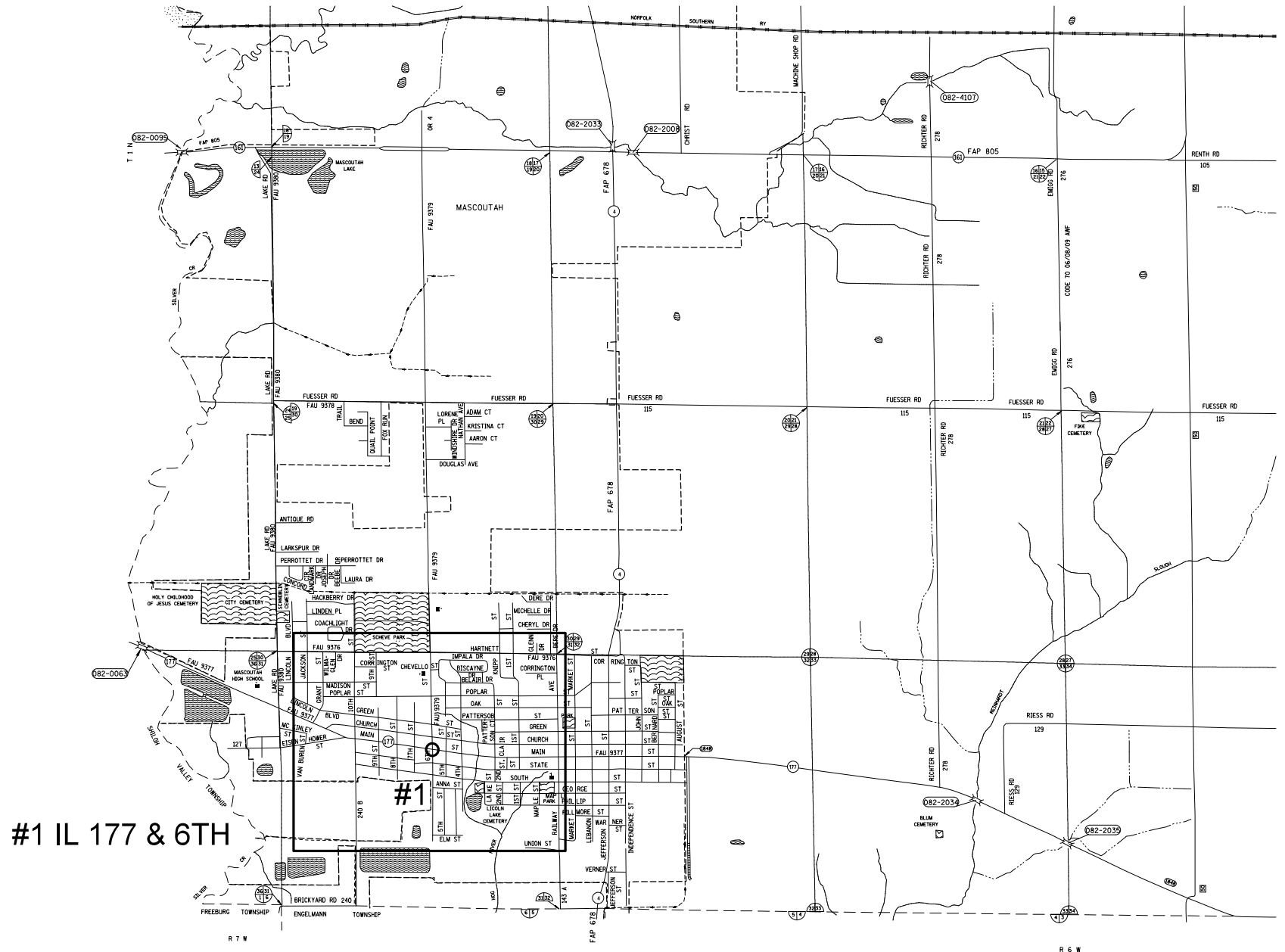
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	PLOT SCALE = 33.3333 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 15 & APPLE (FREEBURG, ST. CLAIR CNTY.)
WIRING DIAGRAM**

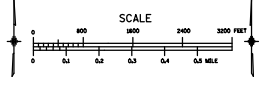
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	68
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



#1 IL 177 & 6TH

MASCOUTAH



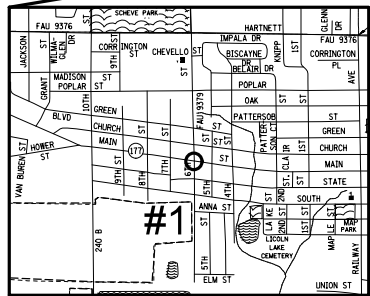
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

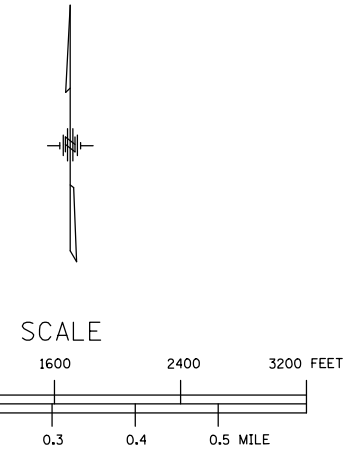
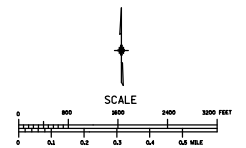
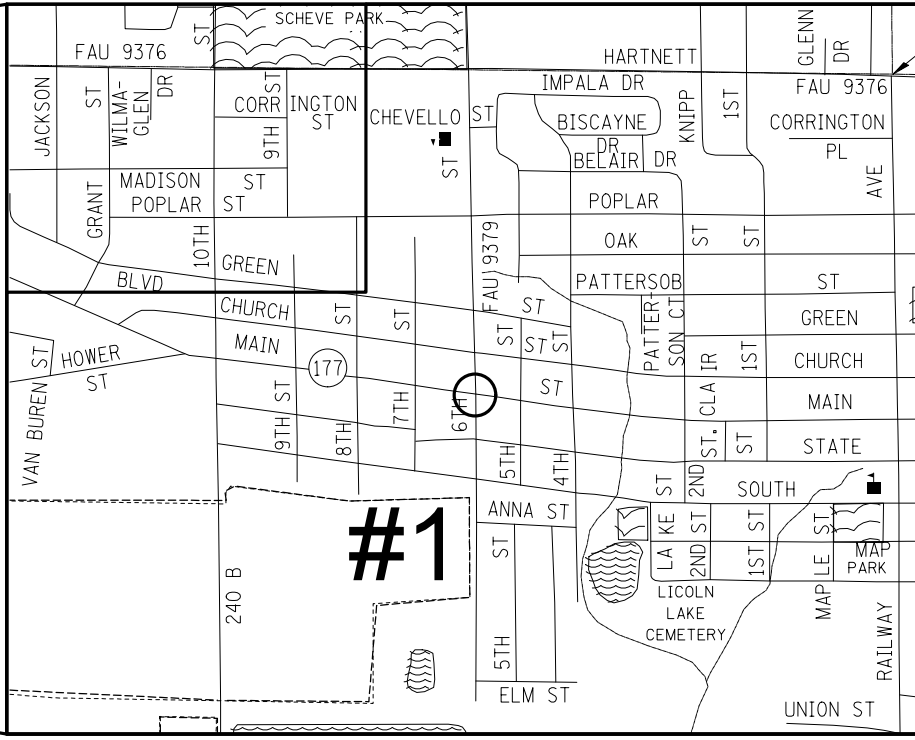
LOCATION MAP
MASCOUTAH, ST. CLAIR CNTY.
1 OF 2

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	69
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



#1 IL 177 & 6TH

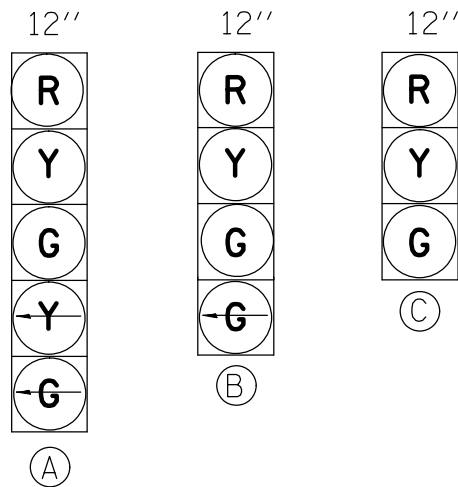


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	PLOT SCALE = 32.8590' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP MASCOUTAH, ST. CLAIR CNTY. 2 OF 2			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	70
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

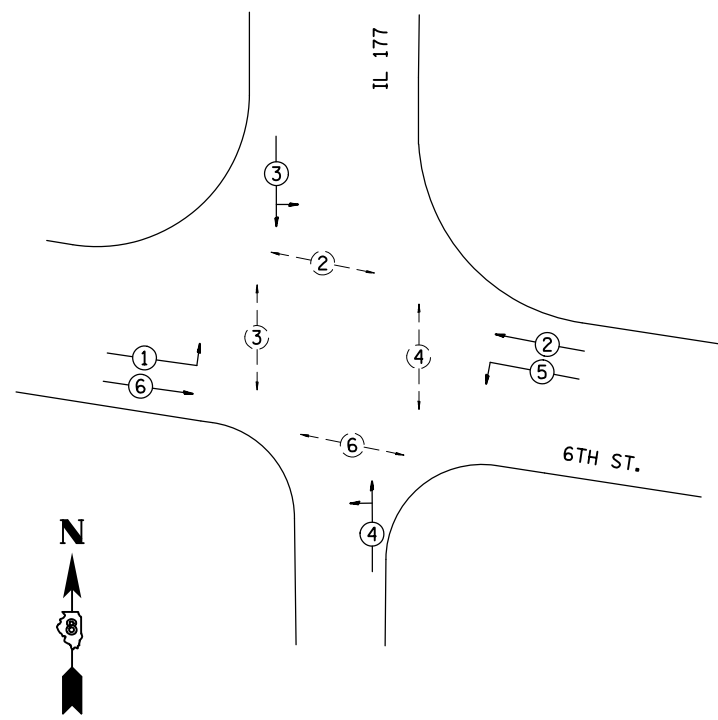


PROPOSED TRAFFIC SIGNAL FACES

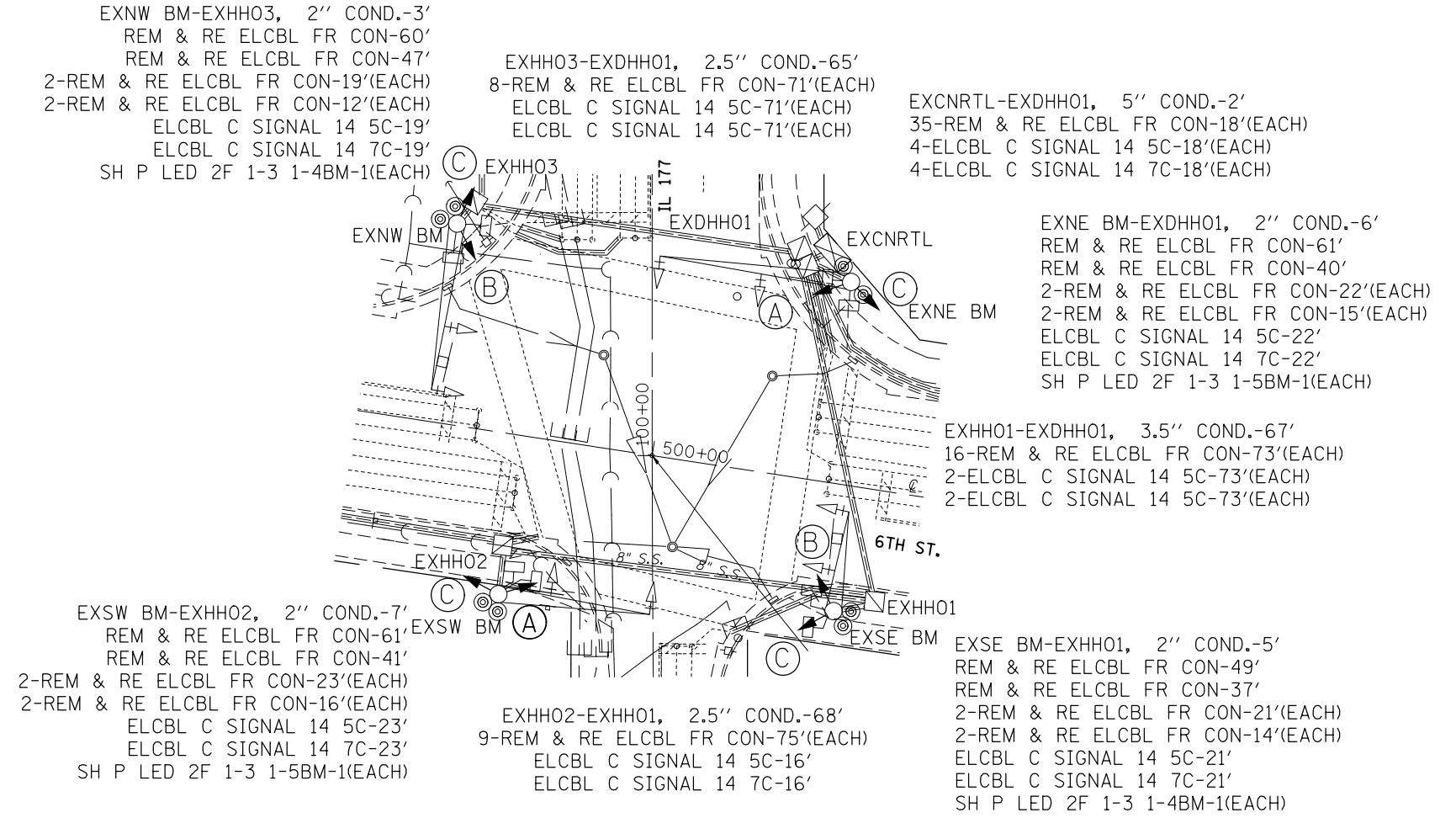
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



EXNW BM-EXHH03, 2" COND.-3'
 REM & RE ELCBL FR CON-60'
 REM & RE ELCBL FR CON-47'
 2-REM & RE ELCBL FR CON-19'(EACH)
 2-REM & RE ELCBL FR CON-12'(EACH)
 ELCBL C SIGNAL 14 5C-19'
 ELCBL C SIGNAL 14 7C-19'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXHH03-EXDHH01, 2.5" COND.-65'
 8-REM & RE ELCBL FR CON-71'(EACH)
 ELCBL C SIGNAL 14 5C-71'(EACH)
 ELCBL C SIGNAL 14 5C-71'(EACH)

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

EXNE BM-EXDHH01, 2" COND.-6'
 REM & RE ELCBL FR CON-61'
 REM & RE ELCBL FR CON-40'
 2-REM & RE ELCBL FR CON-22'(EACH)
 2-REM & RE ELCBL FR CON-15'(EACH)
 ELCBL C SIGNAL 14 5C-22'
 ELCBL C SIGNAL 14 7C-22'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH01-EXDHH01, 3.5" COND.-67'
 16-REM & RE ELCBL FR CON-73'(EACH)
 2-ELCBL C SIGNAL 14 5C-73'(EACH)
 2-ELCBL C SIGNAL 14 5C-73'(EACH)

EXSW BM-EXHH02, 2" COND.-7'
 REM & RE ELCBL FR CON-61'
 REM & RE ELCBL FR CON-41'
 2-REM & RE ELCBL FR CON-23'(EACH)
 2-REM & RE ELCBL FR CON-16'(EACH)
 ELCBL C SIGNAL 14 5C-23'
 ELCBL C SIGNAL 14 7C-23'
 SH P LED 2F 1-3 1-5BM-1(EACH)

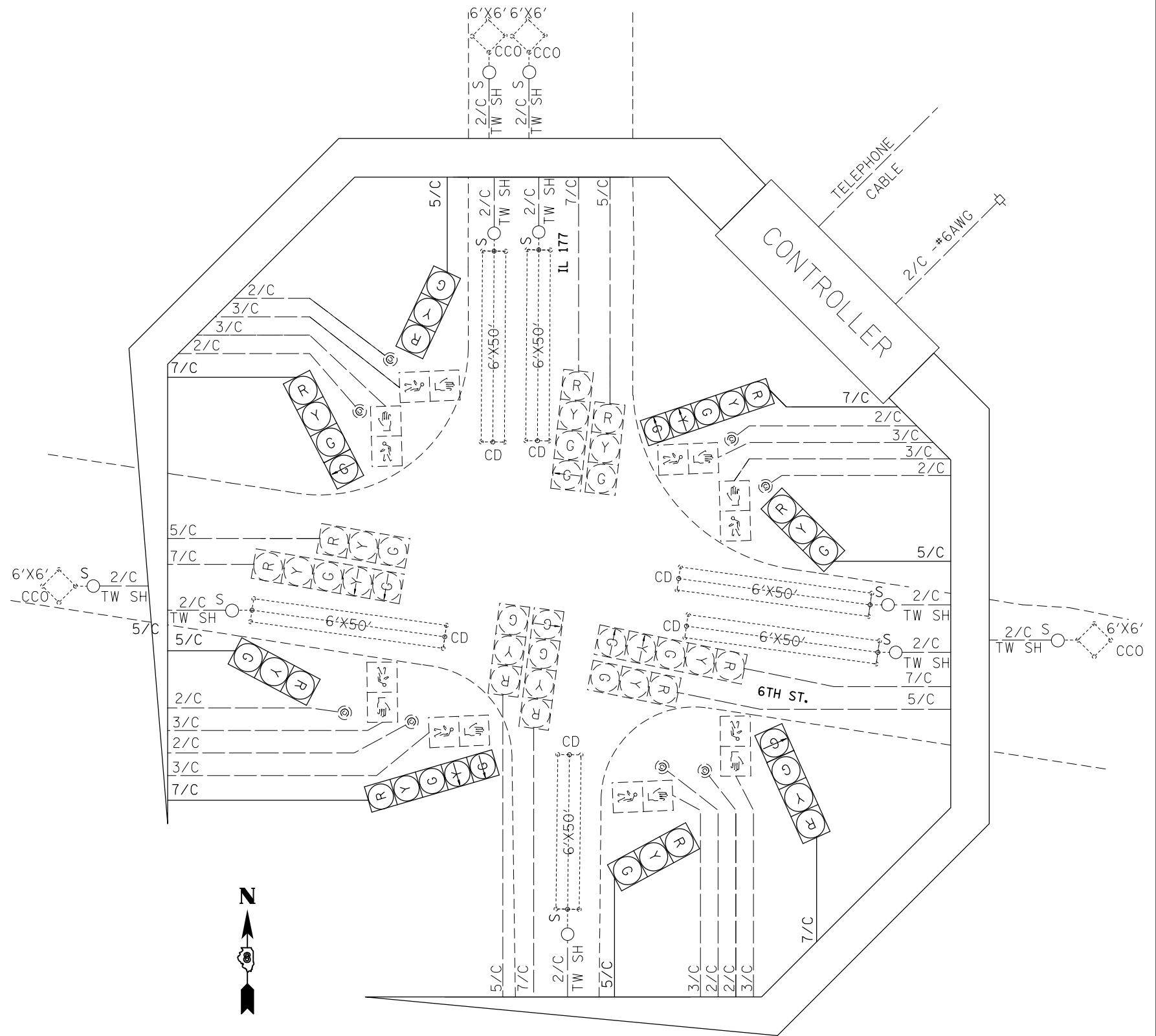
EXHH02-EXHH01, 2.5" COND.-68'
 9-REM & RE ELCBL FR CON-75'(EACH)
 ELCBL C SIGNAL 14 5C-16'
 ELCBL C SIGNAL 14 7C-16'

EXSE BM-EXHH01, 2" COND.-5'
 REM & RE ELCBL FR CON-49'
 REM & RE ELCBL FR CON-37'
 2-REM & RE ELCBL FR CON-21'(EACH)
 2-REM & RE ELCBL FR CON-14'(EACH)
 ELCBL C SIGNAL 14 5C-21'
 ELCBL C SIGNAL 14 7C-21'
 SH P LED 2F 1-3 1-4BM-1(EACH)



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	390
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	390
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040260	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	3721

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 177 & 6TH (MASCOUTAH, ST. CLAIR CNTY.)
WIRING DIAGRAM

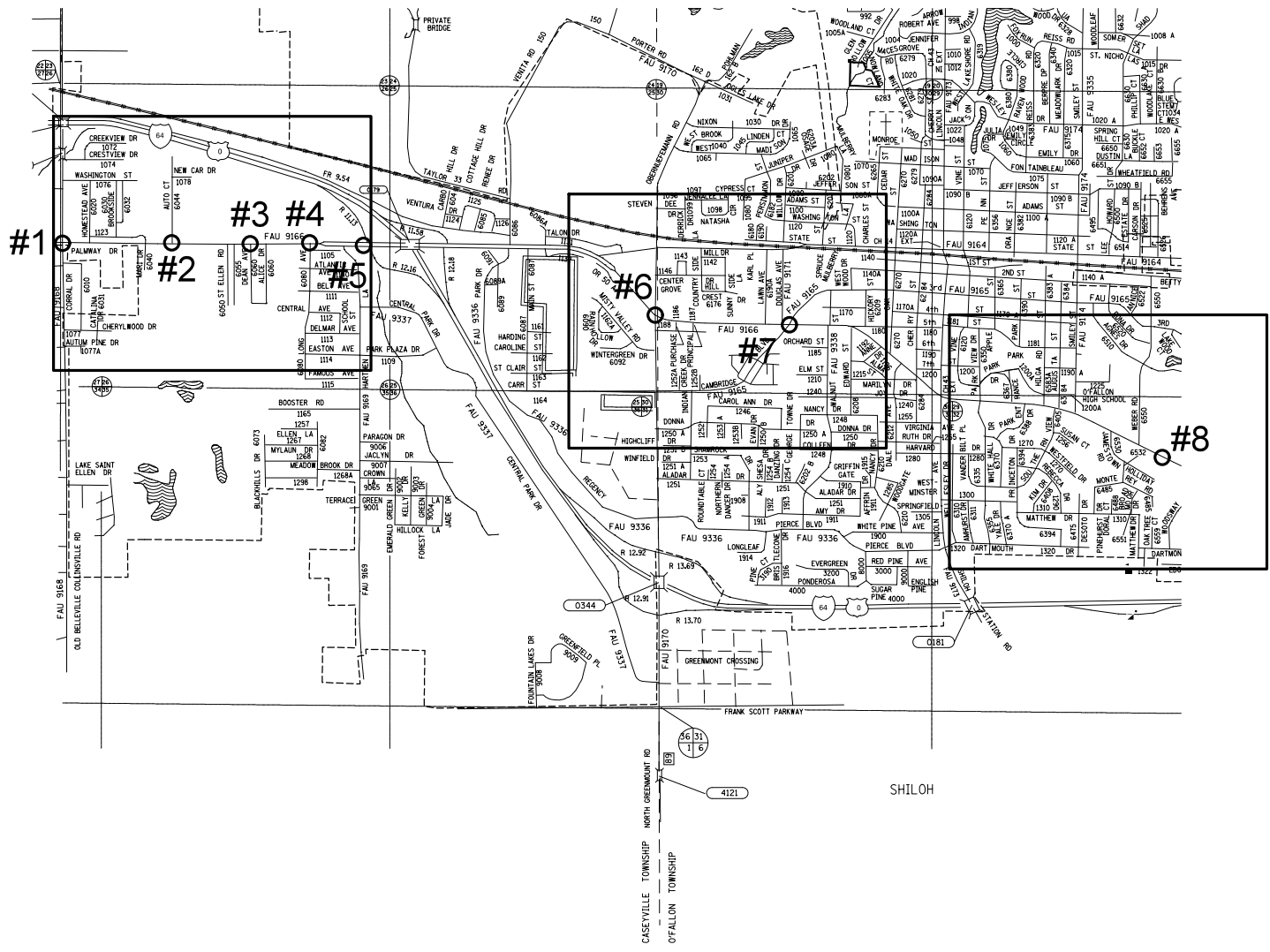
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	72
**VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

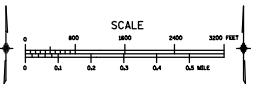
#6 W HWY 50 & SCHWAEDEL
#7 W HWY 50 & 3RD

#1 LINCOLN HWY & OLD COLLINSVILLE
#2 W HWY 50 & CASTLE ACRES
#3 W HWY 50 & WALMART ENT
#4 W HWY 50 & SAM'S ENT.
#5 W HWY 50 & I-64 W JCT

#8 E HWY 50 & SCHNUNK'S FOOD ENT



O'FALLON



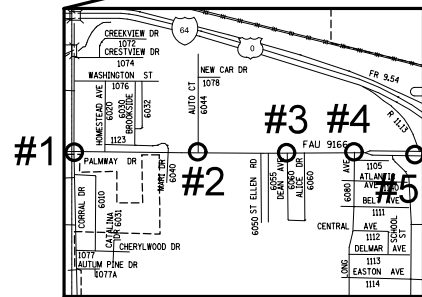
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
O'FALLON, ST. CLAIR CNTY.
1 OF 3

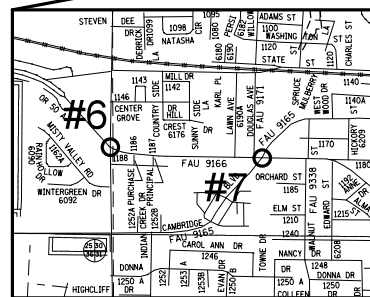
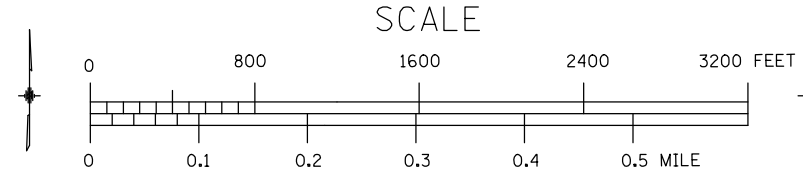
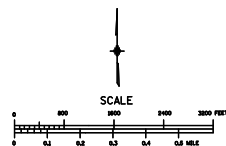
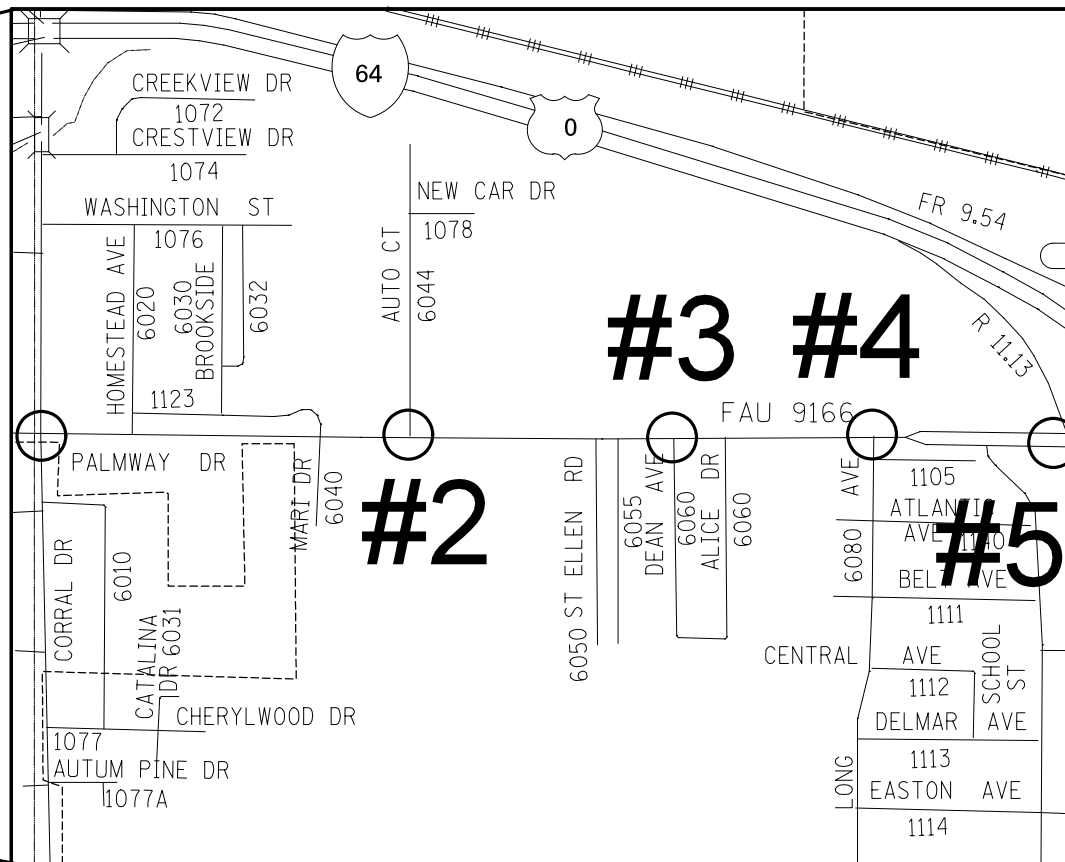
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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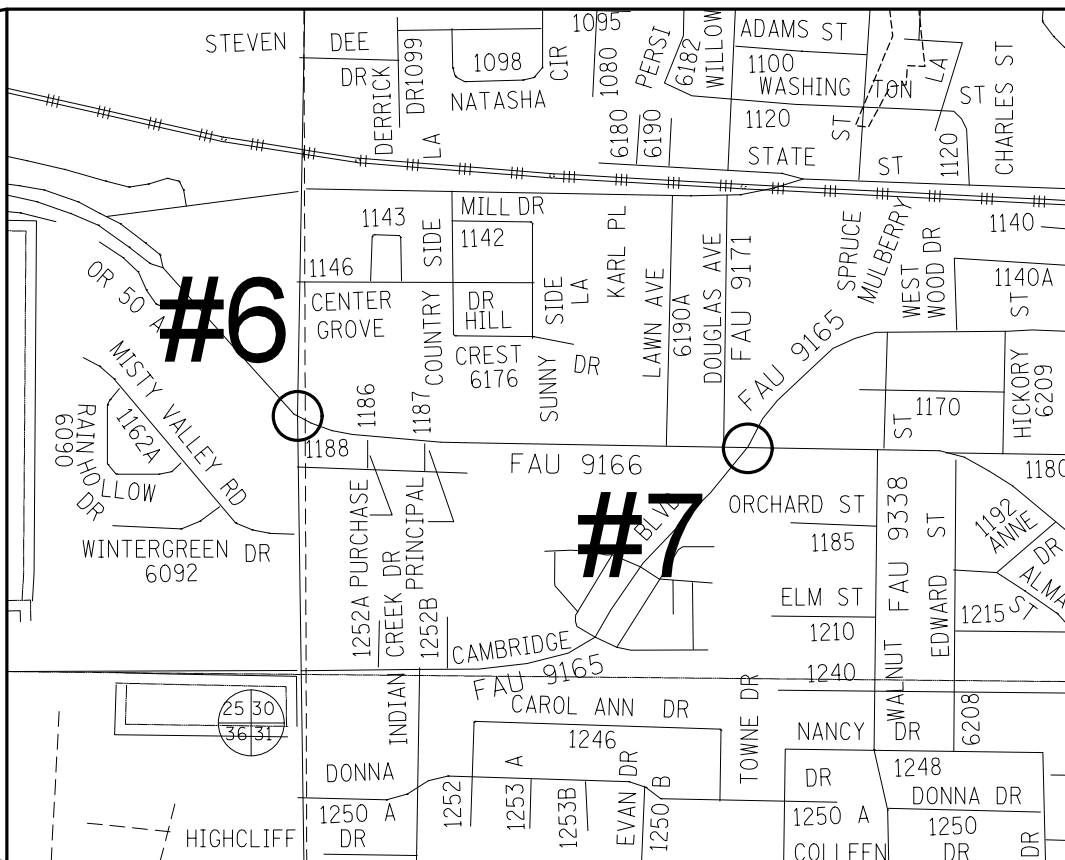
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	73
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



#1 LINCOLN HWY & OLD COLLINSVILLE
 #2 W HWY 50 & CASTLE ACRES
 #3 W HWY 50 & WALMART ENT
 #4 W HWY 50 & SAM'S ENT.
 #5 W HWY 50 & I-64 W JCT



#6 W HWY 50 & SCHWAEGEL
 #7 W HWY 50 & 3RD

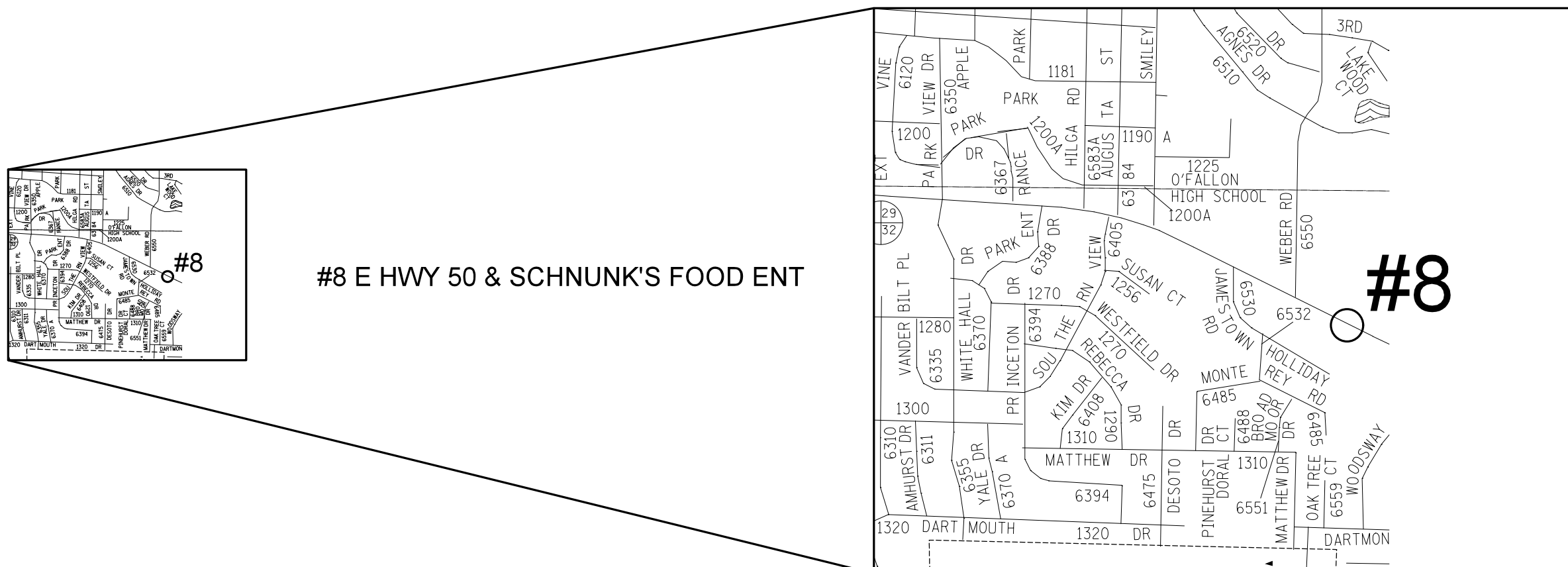


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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

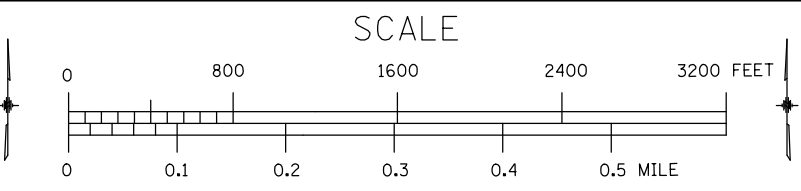
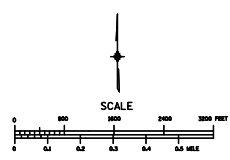
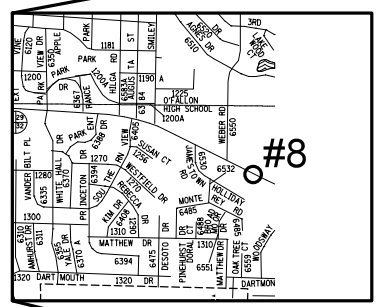
LOCATION MAP			
O'FALLON, ST. CLAIR CNTY.			
2 OF 3			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DIST 8 TS 2018-1		120	74
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



#8 E HWY 50 & SCHNUNK'S FOOD ENT

#8



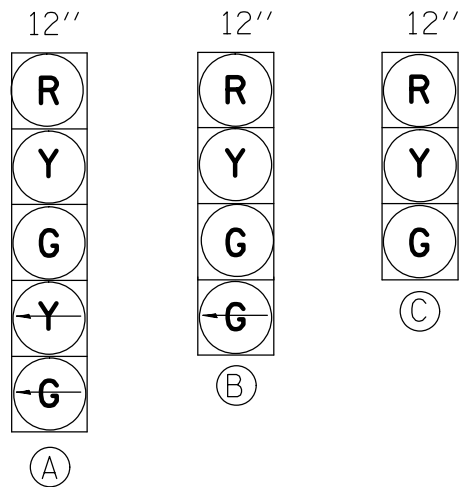
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
O'FALLON, ST. CLAIR CNTY.
3 OF 3**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	75
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

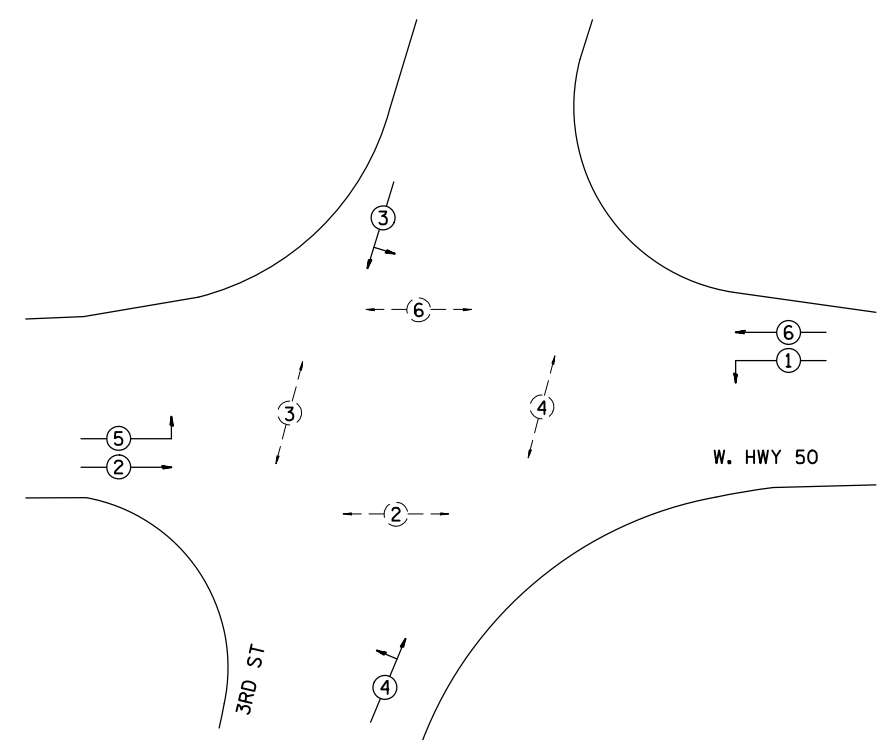


PROPOSED TRAFFIC SIGNAL FACES

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH01, 2" COND.-3'
 REM & RE ELCBL FR CON-60'
 REM & RE ELCBL FR CON-47'
 2-REM & RE ELCBL FR CON-19'(EACH)
 2-REM & RE ELCBL FR CON-12'(EACH)
 ELCBL C SIGNAL 14 5C-19'
 ELCBL C SIGNAL 14 7C-19'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXHH01-EXDHH01, 3" COND.-74'
 7-REM & RE ELCBL FR CON-80'(EACH)
 ELCBL C SIGNAL 14 5C-80'
 ELCBL C SIGNAL 14 5C-80'

EXNE BM-EXDHH01, 2" COND.-4'
 REM & RE ELCBL FR CON-62'
 REM & RE ELCBL FR CON-46'
 2-REM & RE ELCBL FR CON-20'(EACH)
 2-REM & RE ELCBL FR CON-13'(EACH)
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'
 SH P LED 2F 1-3 1-5BM-1(EACH)

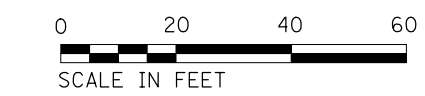
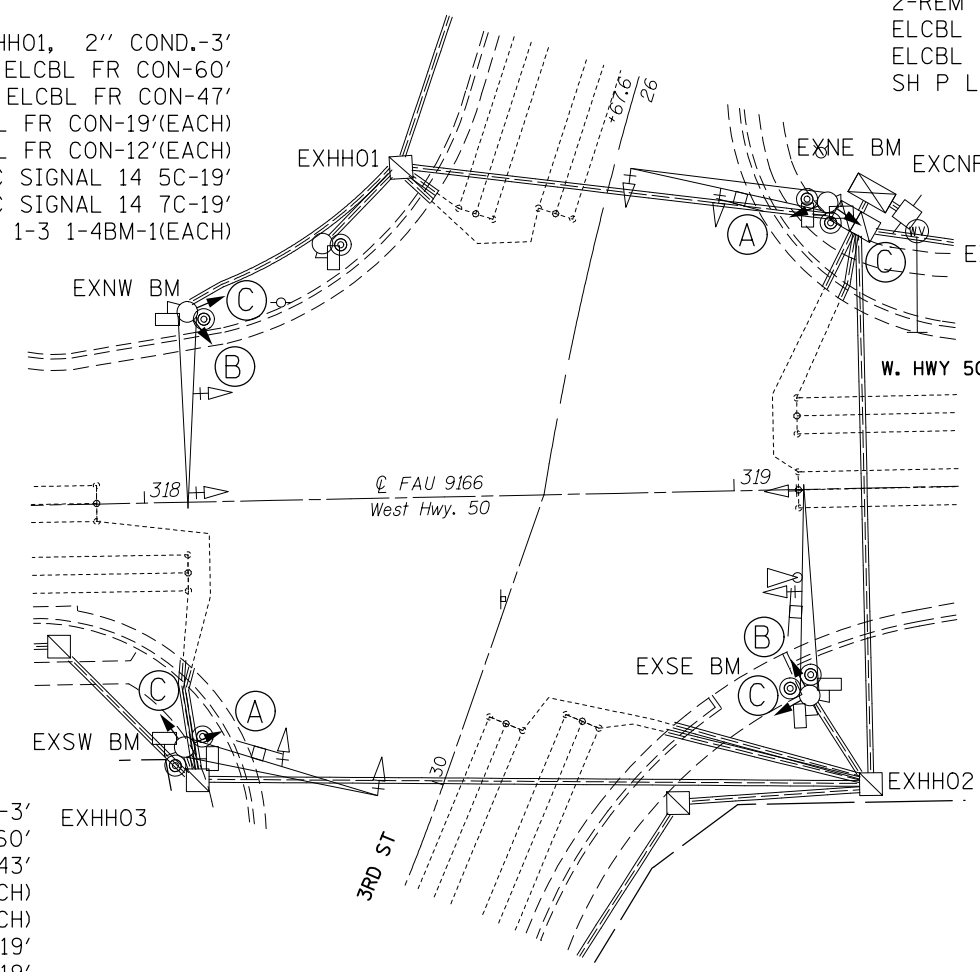
EXCNRTL-EXDHH01, 5" COND.-5'
 37-REM & RE ELCBL FR CON-21'(EACH)
 4-ELCBL C SIGNAL 14 5C-21'(EACH)
 4-ELCBL C SIGNAL 14 7C-21'(EACH)

EXHH02-EXDHH01, 4" COND.-67'
 19-REM & RE ELCBL FR CON-73'(EACH)
 2-ELCBL C SIGNAL 14 5C-73'(EACH)
 2-ELCBL C SIGNAL 14 5C-73'(EACH)

EXSE BM-EXHH02, 2" COND.-15'
 REM & RE ELCBL FR CON-73'
 REM & RE ELCBL FR CON-58'
 REM & RE ELCBL FR CON-56'
 2-REM & RE ELCBL FR CON-31'(EACH)
 2-REM & RE ELCBL FR CON-24'(EACH)
 ELCBL C SIGNAL 14 5C-31'
 ELCBL C SIGNAL 14 7C-31'
 SH P LED 2F 1-3 1-4BM-1(EACH)

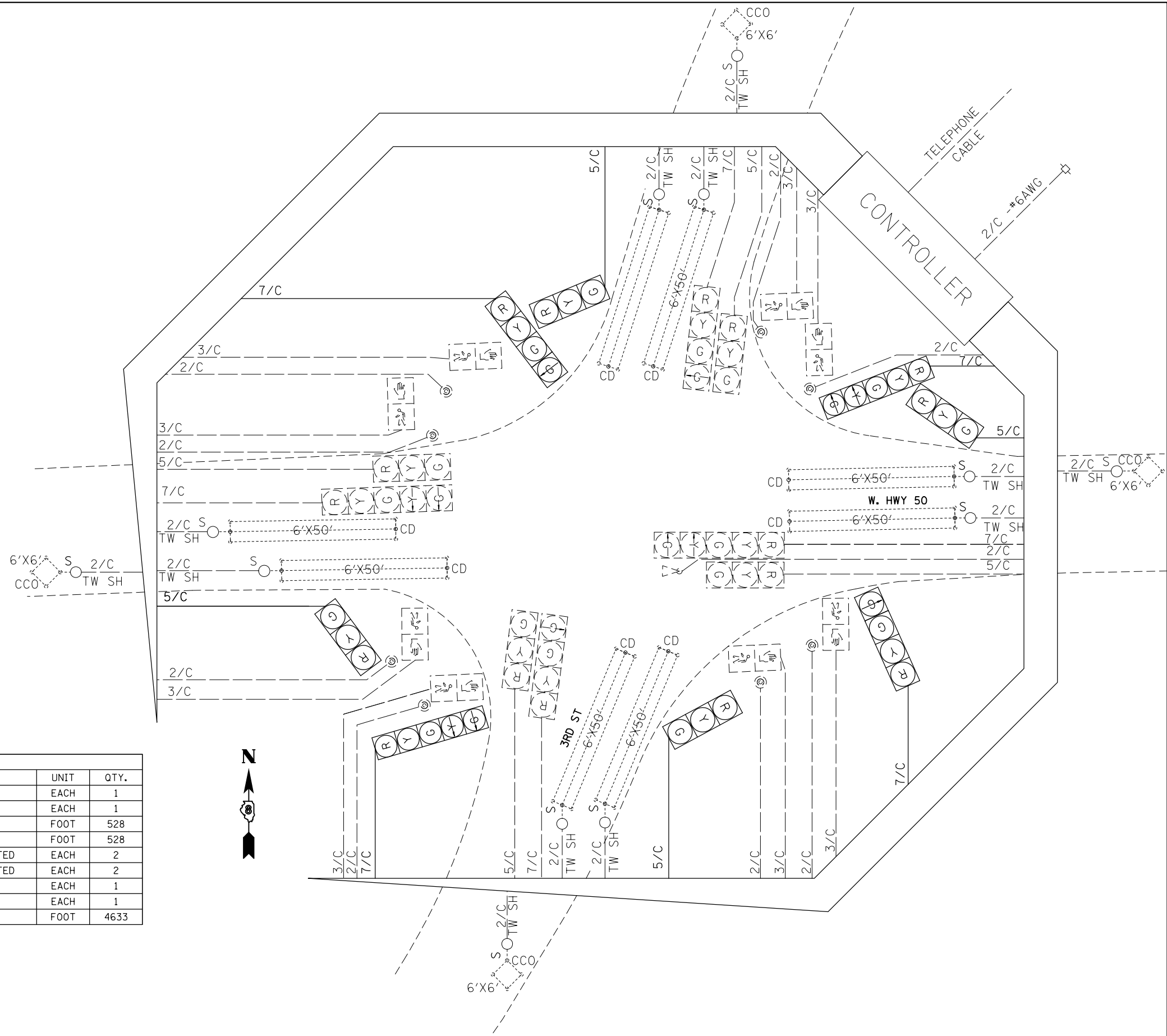
EXSW BM-EXHH03, 2" COND.-3'
 REM & RE ELCBL FR CON-60'
 REM & RE ELCBL FR CON-43'
 2-REM & RE ELCBL FR CON-19'(EACH)
 2-REM & RE ELCBL FR CON-12'(EACH)
 ELCBL C SIGNAL 14 5C-19'
 ELCBL C SIGNAL 14 7C-19'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH03-EXHH02, 2.5" COND.-113'
 9-REM & RE ELCBL FR CON-120'(EACH)
 ELCBL C SIGNAL 14 5C-129'
 ELCBL C SIGNAL 14 7C-129'



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ▽ 7 ▽ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)



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	528
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	528
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	4633



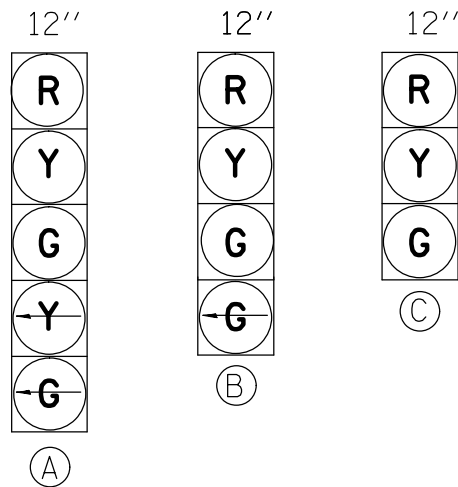
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	PLOT SCALE = 33.3333 ' / in.	CHECKED	REVISED -
	PLOT DATE = 8/24/2017	DATE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**W HWY 50 & 3RD (O'FALLON, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	77
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



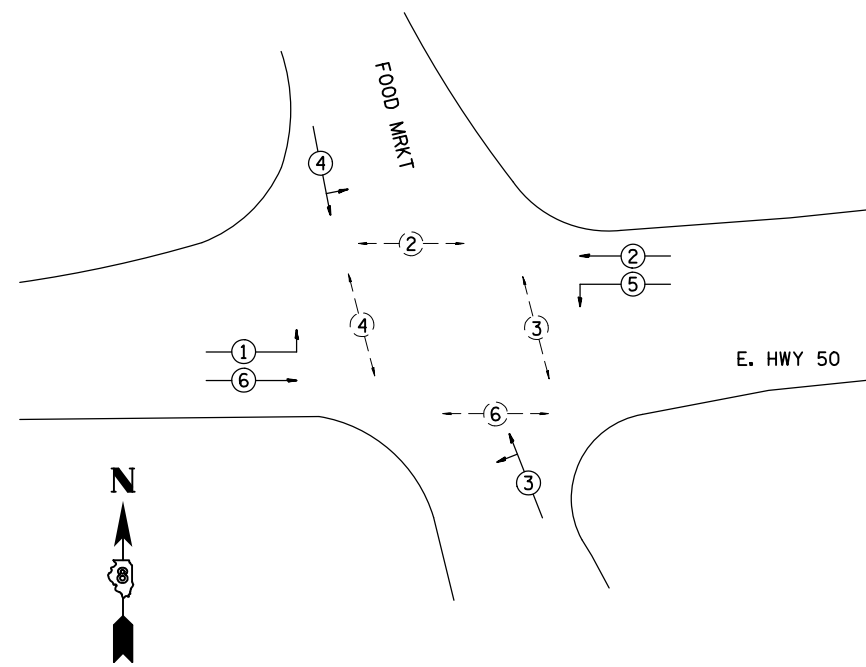
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

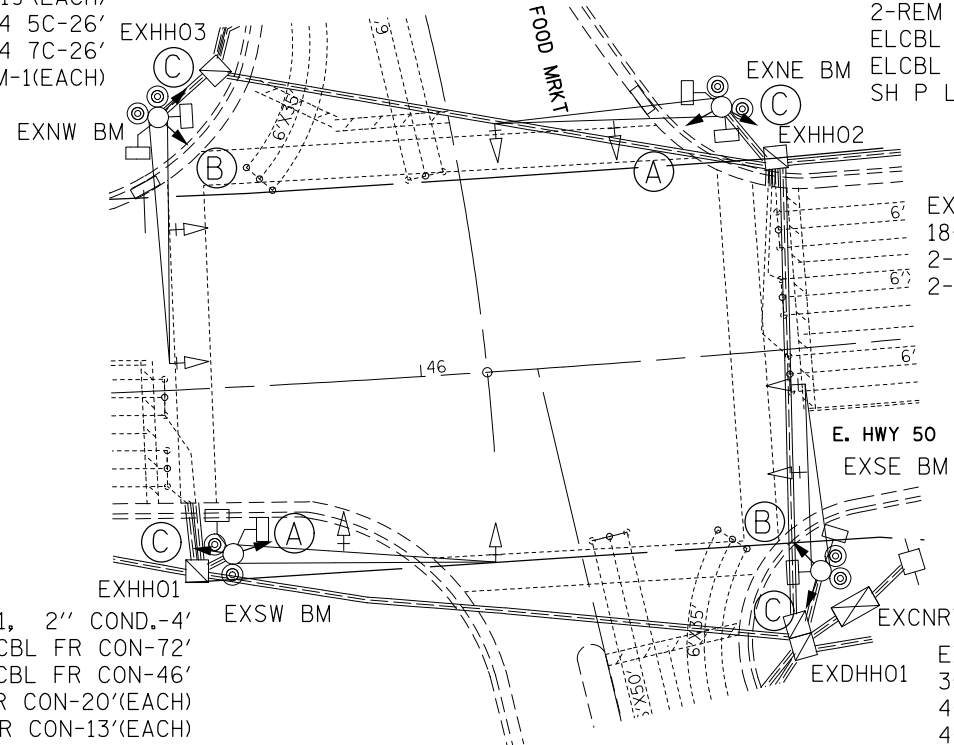


PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH03, 2" COND.-10'
 REM & RE ELCBL FR CON-76'
 REM & RE ELCBL FR CON-52'
 2-REM & RE ELCBL FR CON-26'(EACH)
 2-REM & RE ELCBL FR CON-19'(EACH)
 ELCBL C SIGNAL 14 5C-26'
 ELCBL C SIGNAL 14 7C-26'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXHH03-EXHH02, 2.5" COND.-95'
 8-REM & RE ELCBL FR CON-102'(EACH)
 ELCBL C SIGNAL 14 5C-111'
 ELCBL C SIGNAL 14 7C-111'

EXNE BM-EXHH02, 2" COND.-10'
 REM & RE ELCBL FR CON-73'
 REM & RE ELCBL FR CON-52'
 2-REM & RE ELCBL FR CON-26'(EACH)
 2-REM & RE ELCBL FR CON-19'(EACH)
 ELCBL C SIGNAL 14 5C-26'
 ELCBL C SIGNAL 14 7C-26'
 SH P LED 2F 1-3 1-5BM-1(EACH)



EXHH02-EXDHH01, 3.5" COND.-78'
 18-REM & RE ELCBL FR CON-84'(EACH)
 2-ELCBL C SIGNAL 14 5C-84'(EACH)
 2-ELCBL C SIGNAL 14 5C-84'(EACH)

EXSE BM-EXDHH01, 2" COND.-8'
 REM & RE ELCBL FR CON-63'
 REM & RE ELCBL FR CON-48'
 2-REM & RE ELCBL FR CON-24'(EACH)
 2-REM & RE ELCBL FR CON-17'(EACH)
 ELCBL C SIGNAL 14 5C-24'
 ELCBL C SIGNAL 14 7C-24'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXSW BM-EXHH01, 2" COND.-4'
 REM & RE ELCBL FR CON-72'
 REM & RE ELCBL FR CON-46'
 2-REM & RE ELCBL FR CON-20'(EACH)
 2-REM & RE ELCBL FR CON-13'(EACH)
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXCNRTL-EXDHH01, 5" COND.-6'
 35-REM & RE ELCBL FR CON-22'(EACH)
 4-ELCBL C SIGNAL 14 5C-22'(EACH)
 4-ELCBL C SIGNAL 14 7C-22'(EACH)

EXHH01-EXDHH01, 3" COND.-102'
 7-REM & RE ELCBL FR CON-108'(EACH)
 ELCBL C SIGNAL 14 5C-108'
 ELCBL C SIGNAL 14 5C-108'



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PLOT DATE = 8/24/2017		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

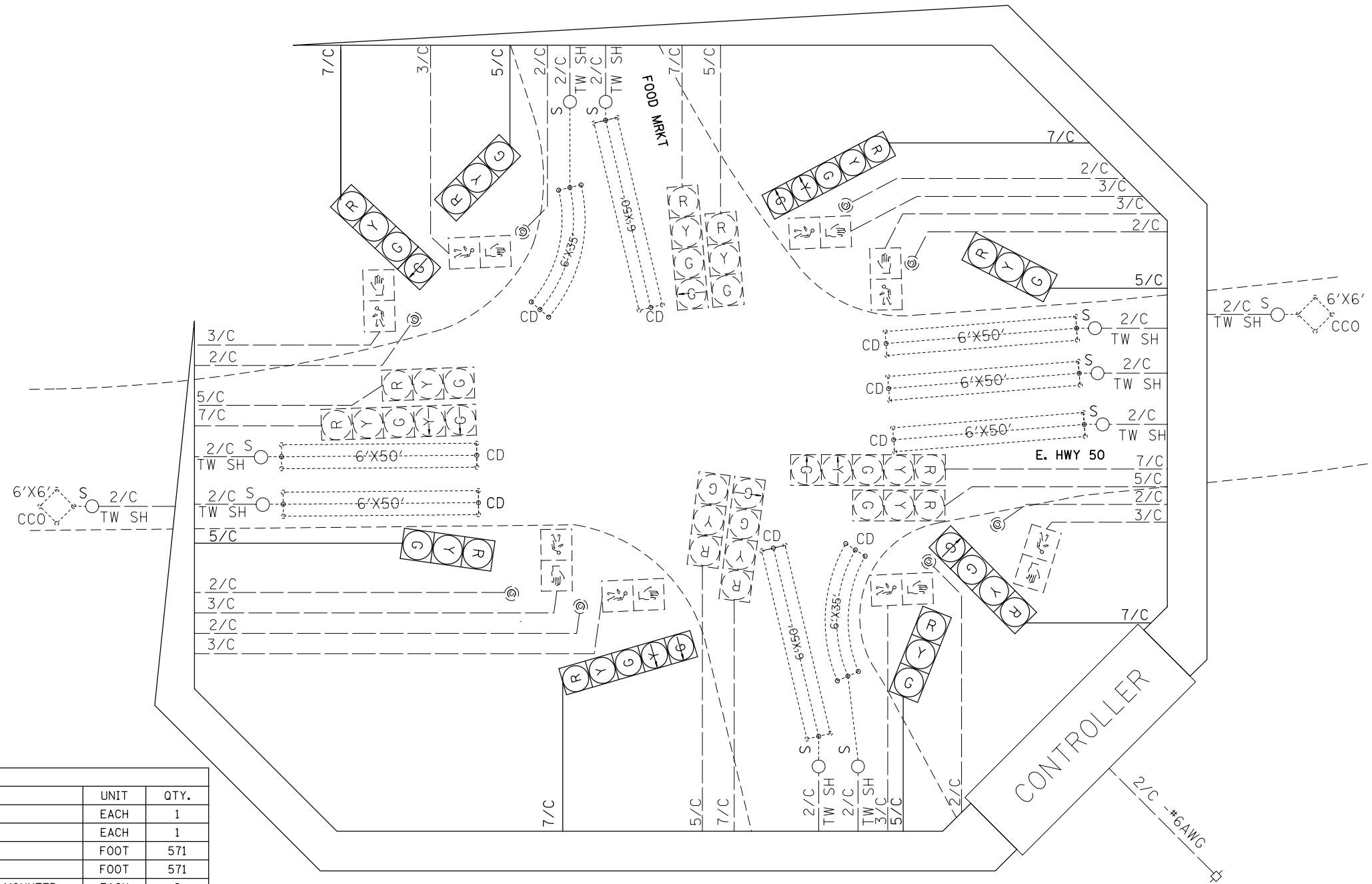
E HWY 50 & FOOD MRKT ENT (O'FALLON, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	78
**VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	571
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	571
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	4664

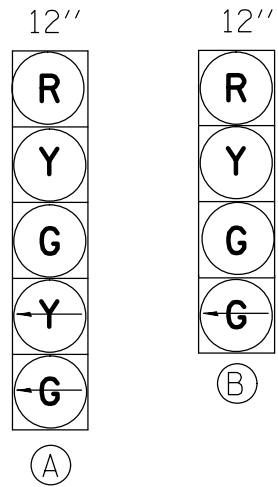
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**E HWY 50 & FOOD MARKET ENT (O'FALLON, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	79
* = VARIOUS		CONTRACT NO. 76J24		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



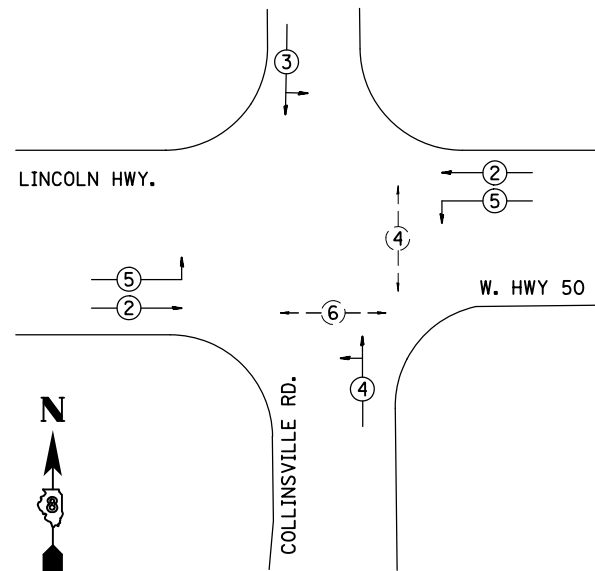
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

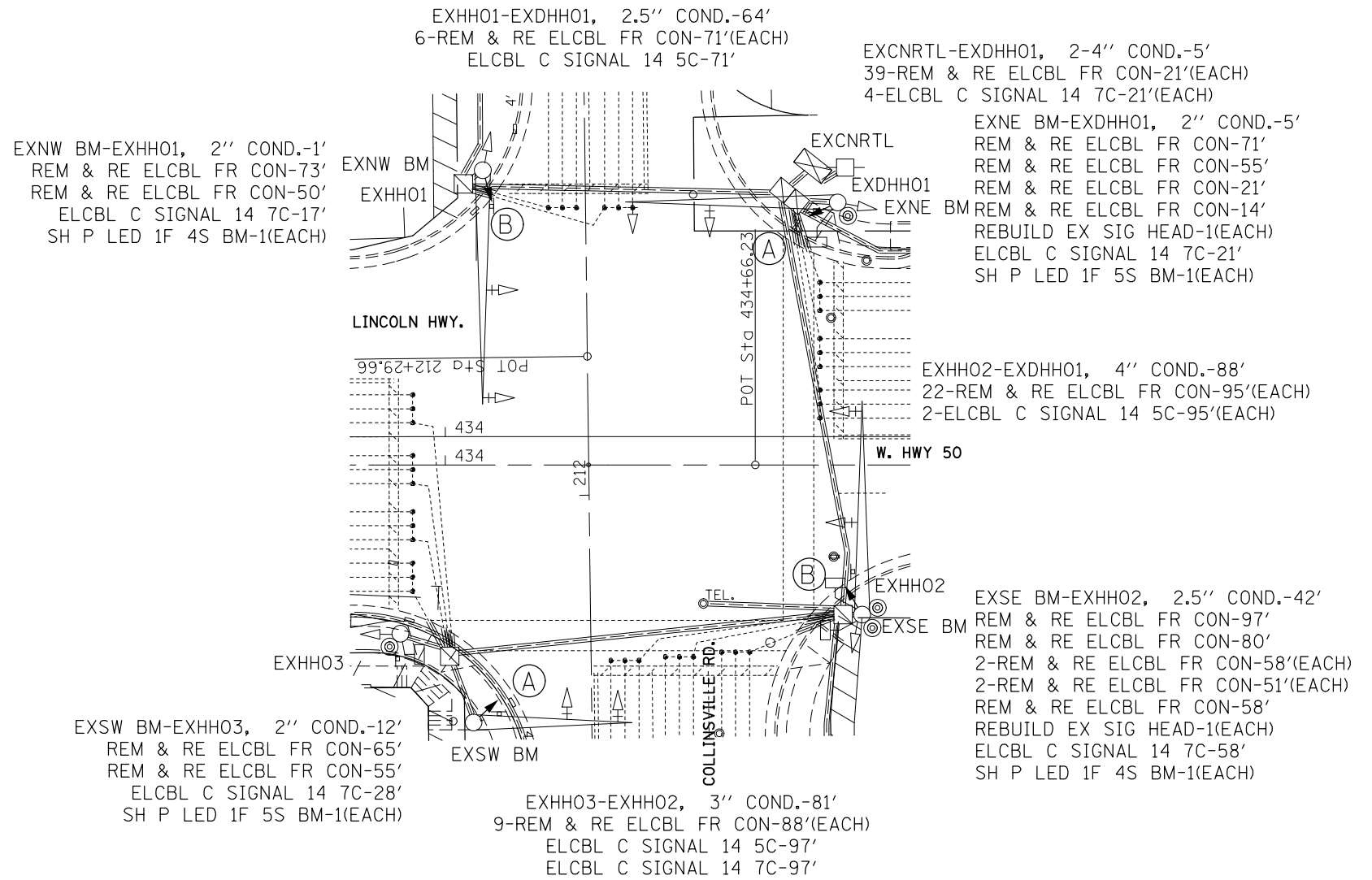
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

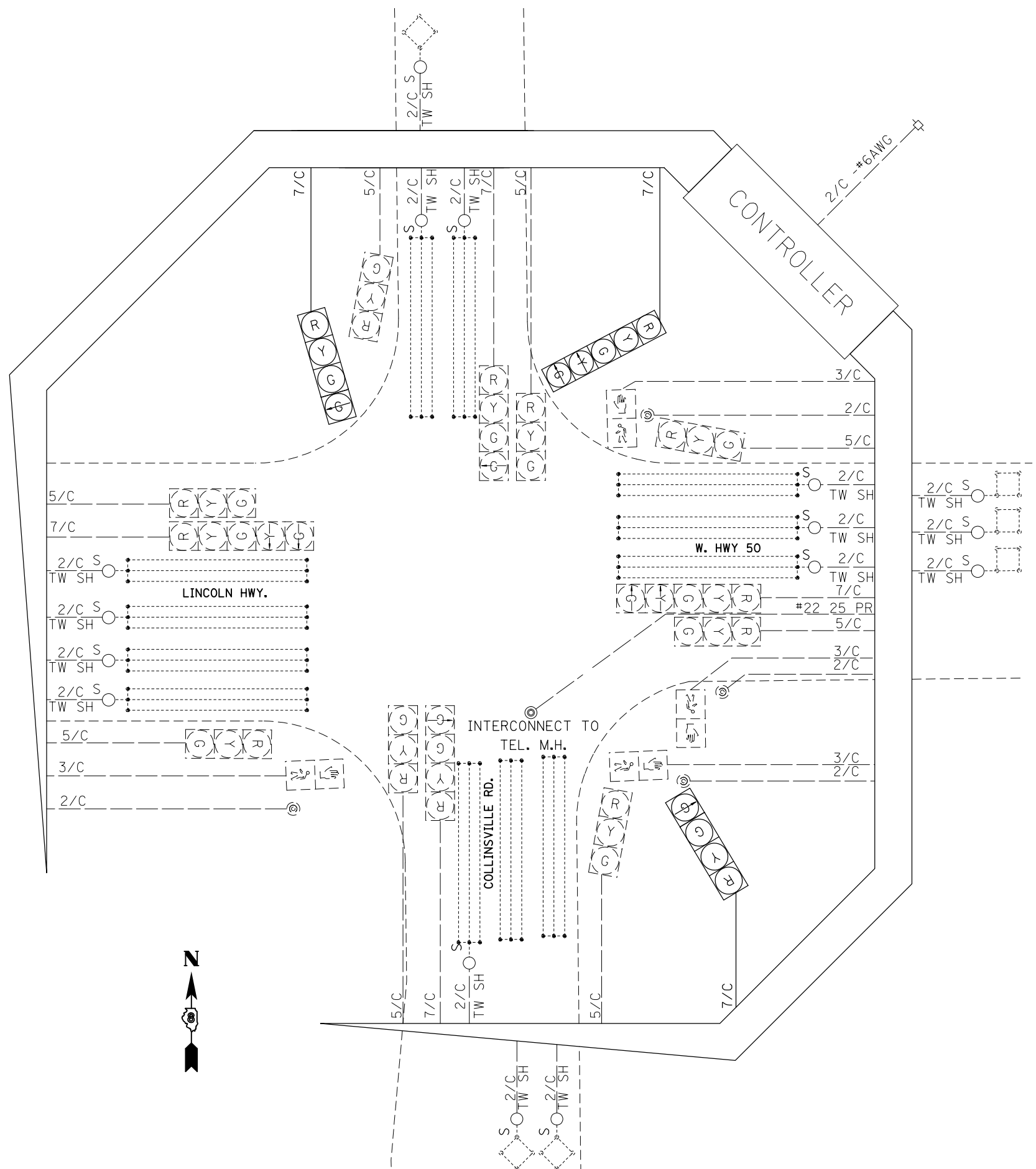
LINCOLN HWY & OLD COLLINSVILLE (O'FALLON, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	80
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	566
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	0
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	4984

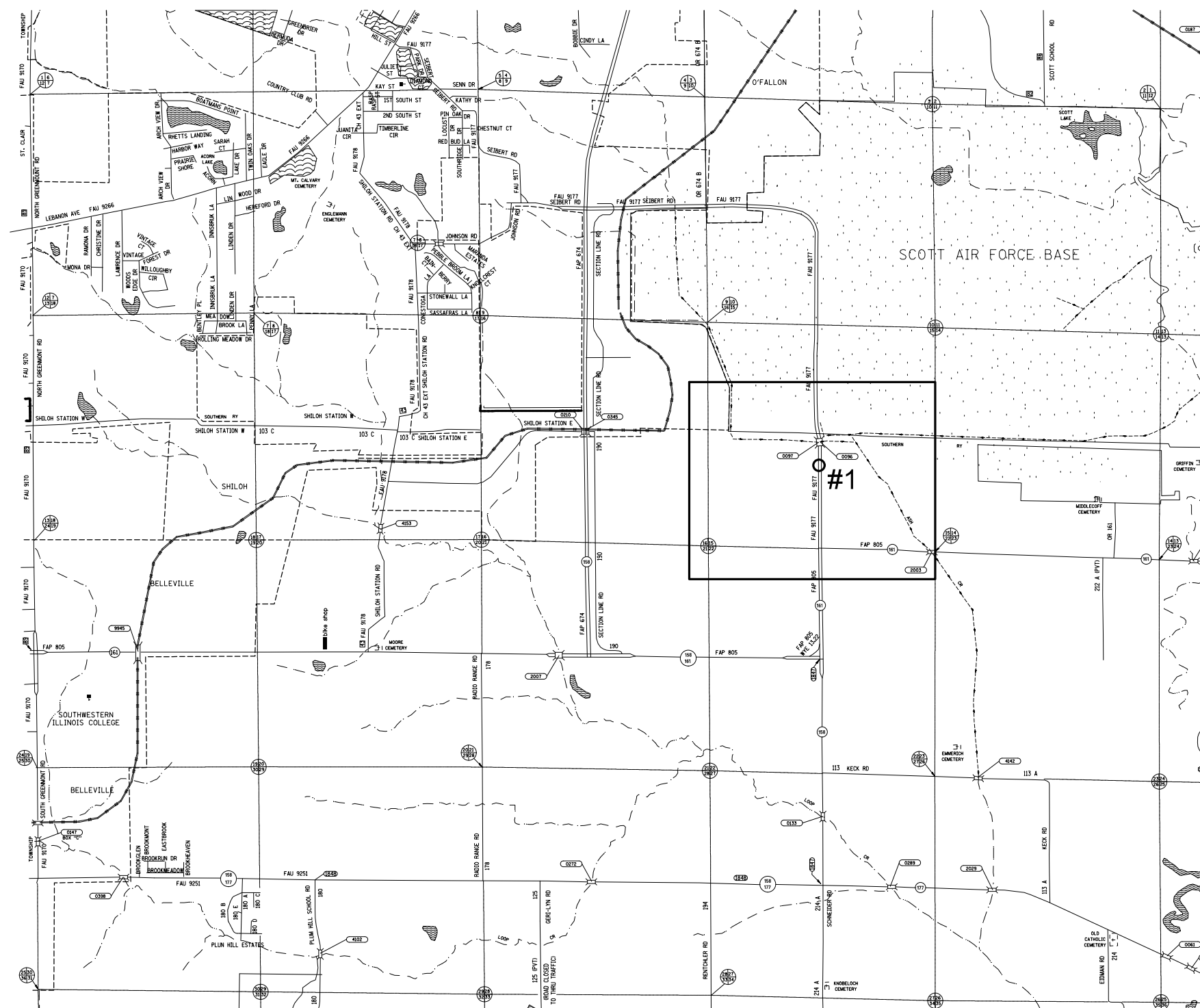
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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LINCOLN HWY & OLD COLLINSVILLE (O'FALLON, ST. CLAIR CNTY.)
WIRING DIAGRAM**

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	81
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

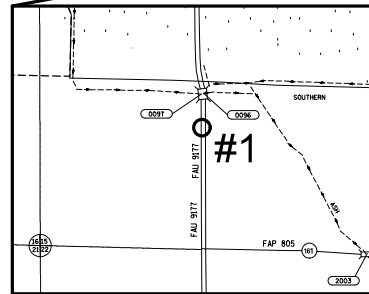
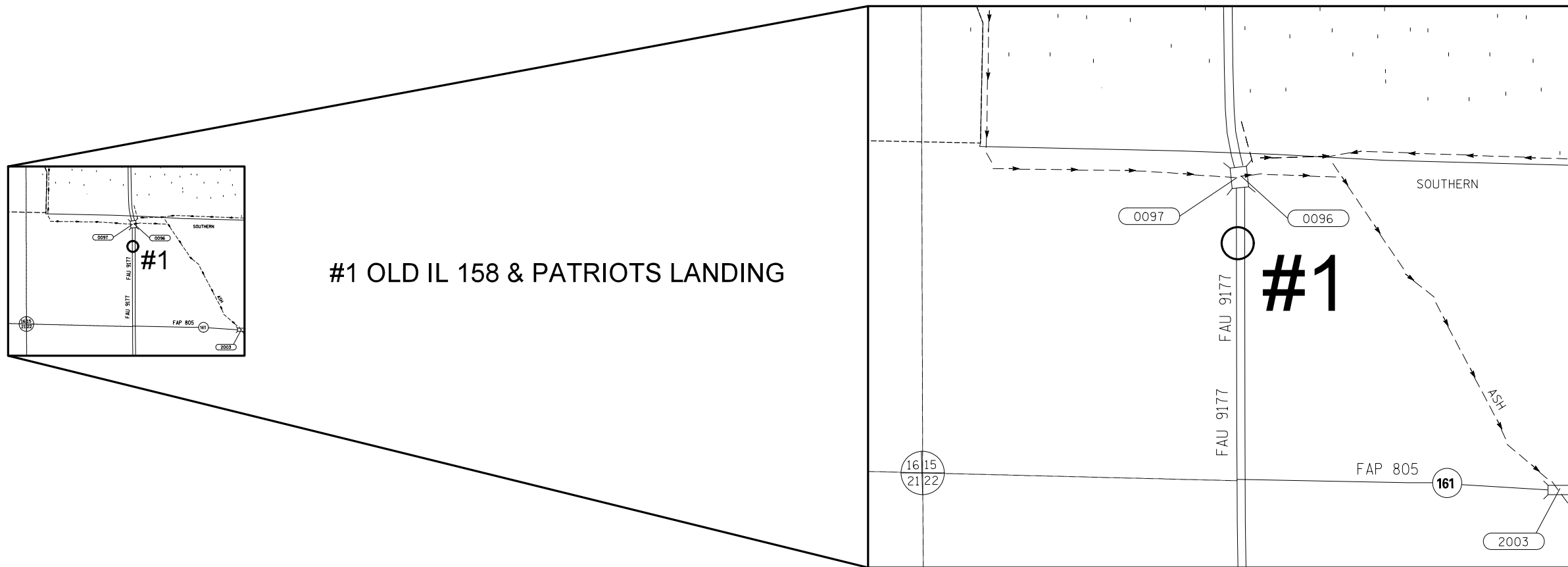
SCALE: SHEET NO. OF SHEETS STA. TO STA.



#1 OLD IL 158 & PATRIOTS LANDING

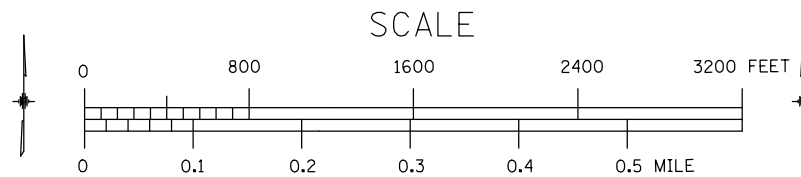
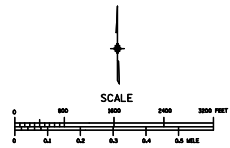
SHILOH VALLEY TWP

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	PLOT SCALE = 32.8590' / in.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	• DIST 8 TS 2018-1	120	82
	DATE = 8/24/2017	CHECKED -	REVISED -								•=VARIOUS	CONTRACT NO. 76J24	
		DATE -	REVISED -								FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT



#1 OLD IL 158 & PATRIOTS LANDING

#1



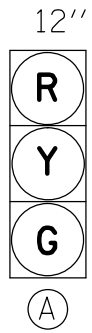
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
SHILOH VALLEY TWP, ST. CLAIR CNTY.
2 OF 2

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	83
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

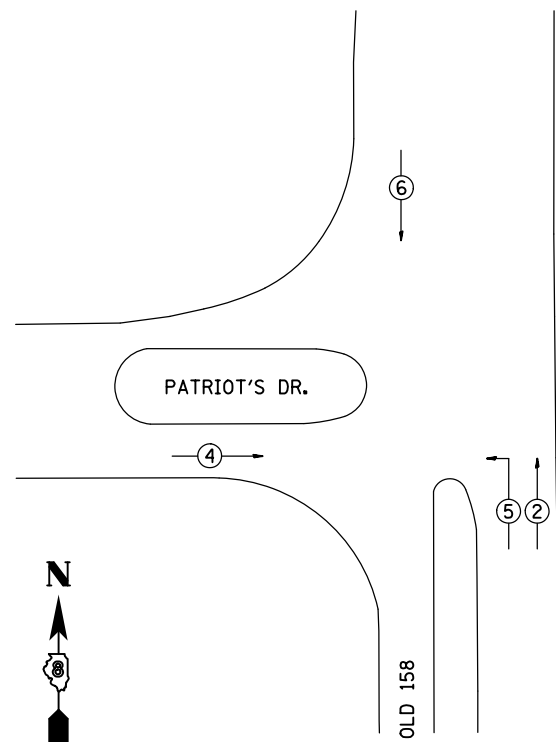


EXISTING FULL-ACTUATED CONTROLLER

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

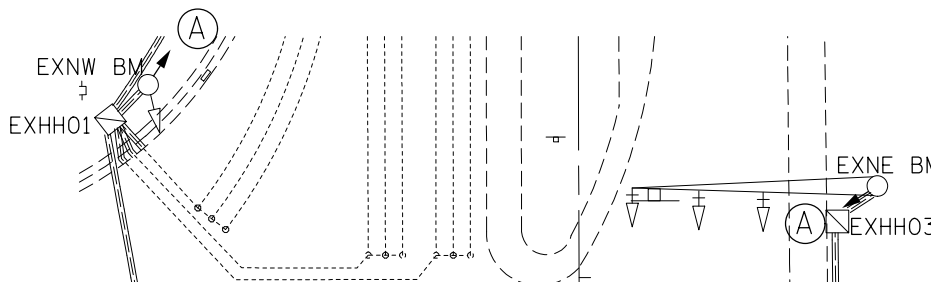
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES



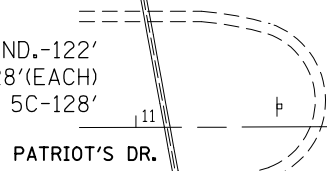
PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH01, 2" COND.-1'
 REM & RE ELCBL FR CON-73'
 REBUILD EX SIG HEAD-1(EACH)
 ELCBL C SIGNAL 14 5C-17'
 SH P LED 1F 3S BM-1(EACH)



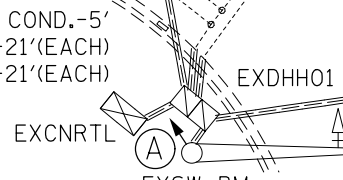
EXNE BM-EXHH03, 2" COND.-5'
 REM & RE ELCBL FR CON-71'
 REM & RE ELCBL FR CON-59'
 REM & RE ELCBL FR CON-48'
 ELCBL C SIGNAL 14 5C-21'
 SH P LED 1F 3S BM-1(EACH)

EXHH01-EXDHH01, 2" COND.-122'
 6-REM & RE ELCBL FR CON-128'(EACH)
 ELCBL C SIGNAL 14 5C-128'



EXHH03-EXHH02, 2" COND.-94'
 4-REM & RE ELCBL FR CON-100'(EACH)
 ELCBL C SIGNAL 14 5C-110'

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



EXSE BM-EXHH02, 2" COND.-3'
 REM & RE ELCBL FR CON-58'
 REM & RE ELCBL FR CON-31'
 ELCBL C SIGNAL 14 5C-19'
 SH P LED 1F 3S BM-1(EACH)

EXSW BM-EXDHH01, 2" COND.-5'
 REM & RE ELCBL FR CON-71'
 REM & RE ELCBL FR CON-55'
 ELCBL C SIGNAL 14 5C-21'
 SH P LED 1F 3S BM-1(EACH)

EXHH02-EXDHH01, 2" COND.-100'
 11-REM & RE ELCBL FR CON-106'(EACH)
 2-ELCBL C SIGNAL 14 5C-106'(EACH)



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

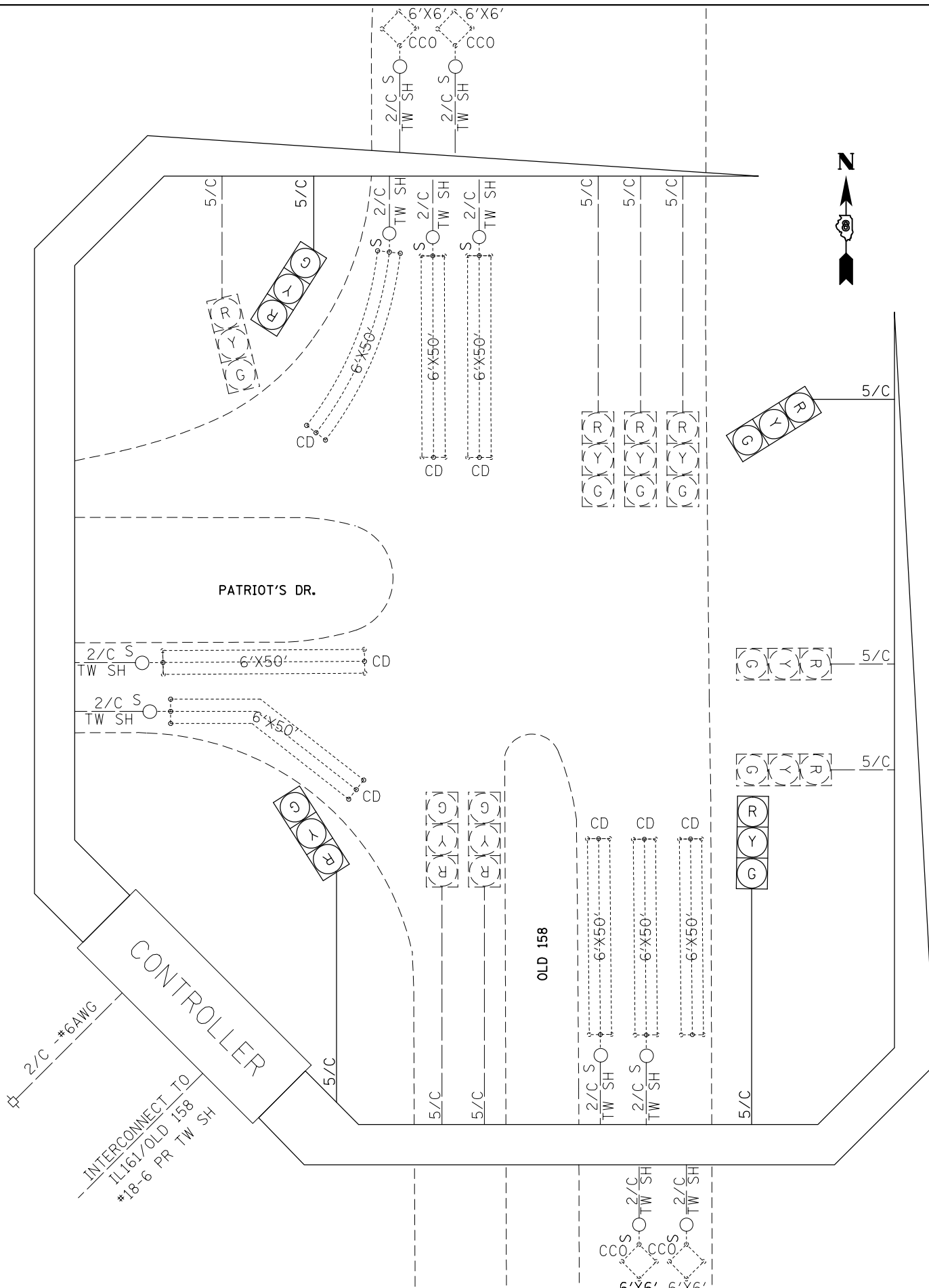
**OLD IL 158 & PATRIOTS LANDING
 (SHILOH VALLEY TOWNSHIP-S. OF SCOTT AFB, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	84
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	612
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
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	3241

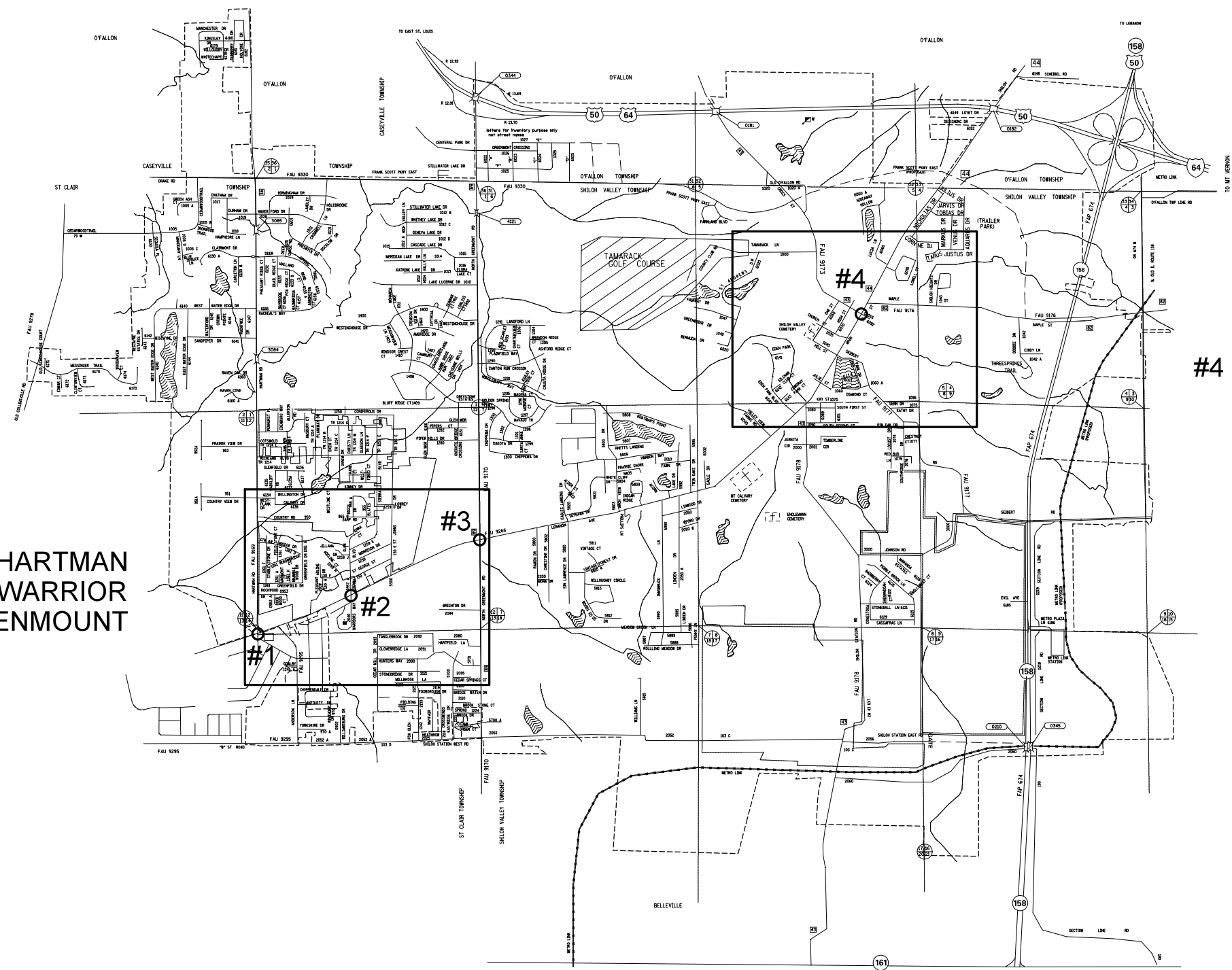
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OLD IL 158 & PATRIOTS LANDING
(SHILOH VALLEY TOWNSHIP-S. OF SCOTT AFB, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	85
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

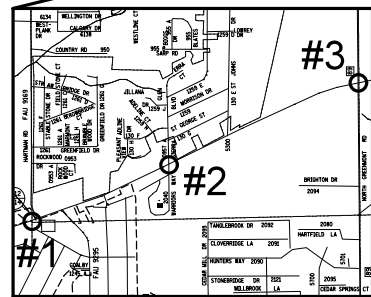


#1 LEBANON & HARTMAN
 #2 LEBANON & SIERRA/WARRIOR
 #3 LEBANON & GREENMOUNT

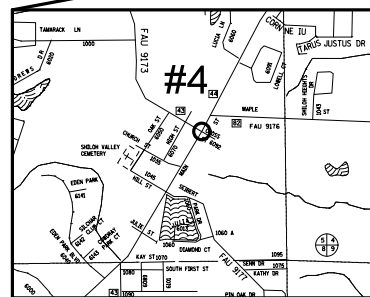
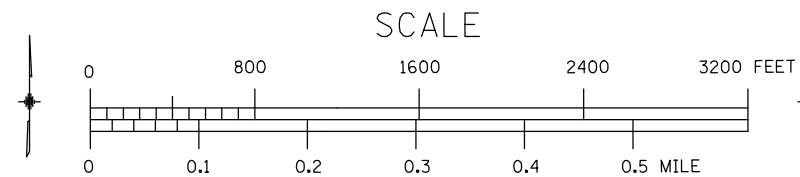
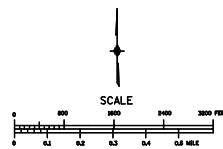
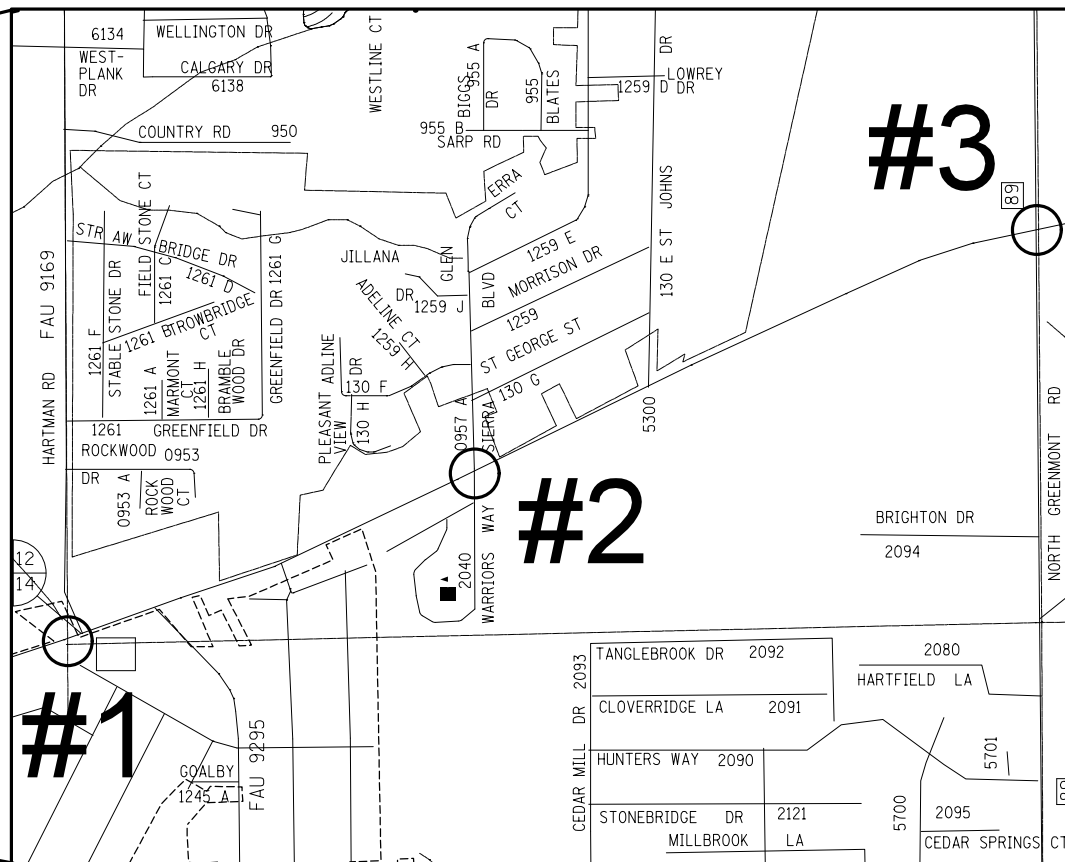
#4 MAIN & CROSS

SHILOH

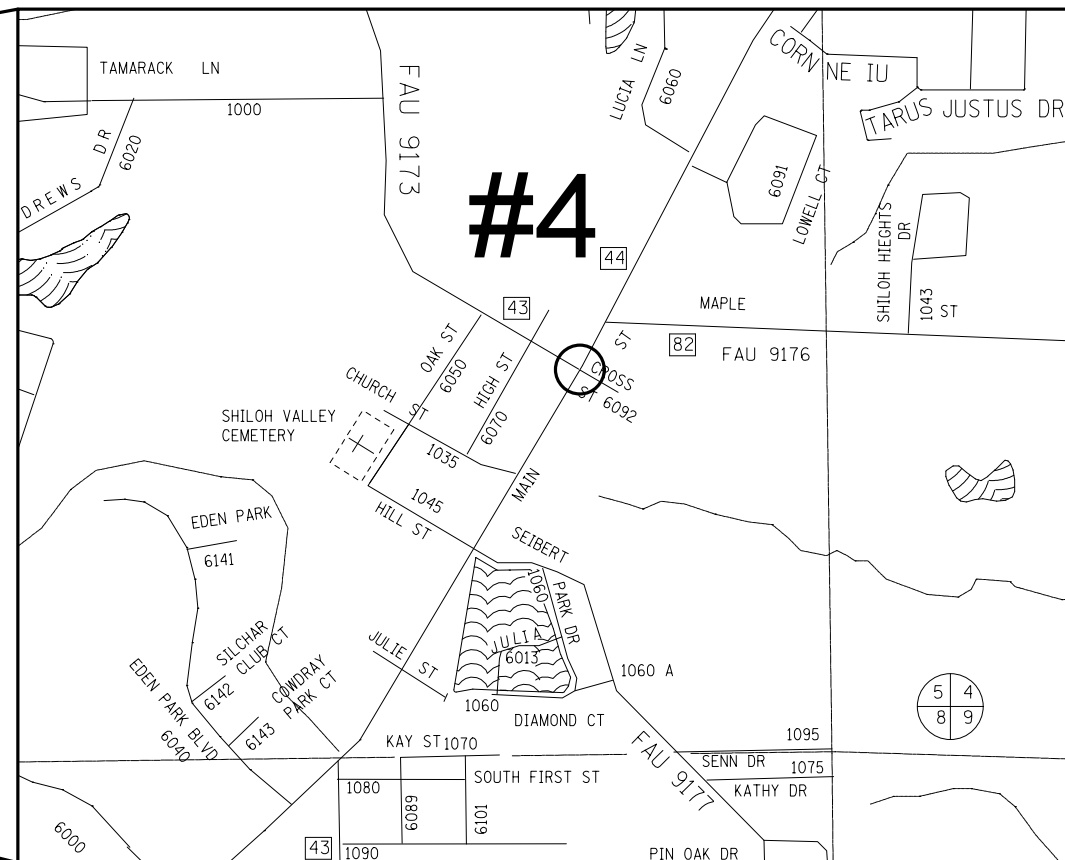
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	PLOT SCALE = 32.8590' / in.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	•	DIST 8 TS 2018-1	•	120	86
	PLOT DATE = 8/24/2017	CHECKED -	REVISED -							•=VARIOUS	CONTRACT NO. 76J24			
		DATE -	REVISED -							FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



#1 LEBANON & HARTMAN
 #2 LEBANON & SIERRA/WARRIOR
 #3 LEBANON & GREENMOUNT



#4 MAIN & CROSS



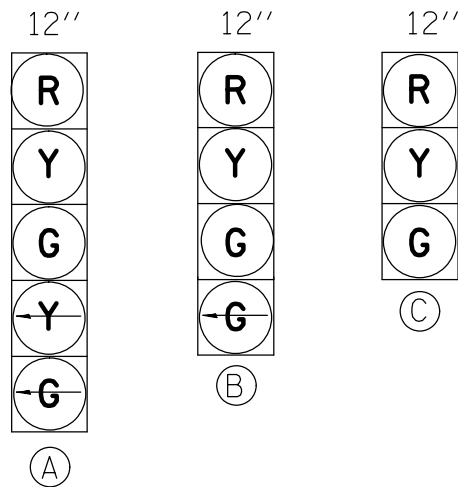
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION MAP
 SHILOH, ST. CLAIR CNTY.
 2 OF 2

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2018-1	•	120	87
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

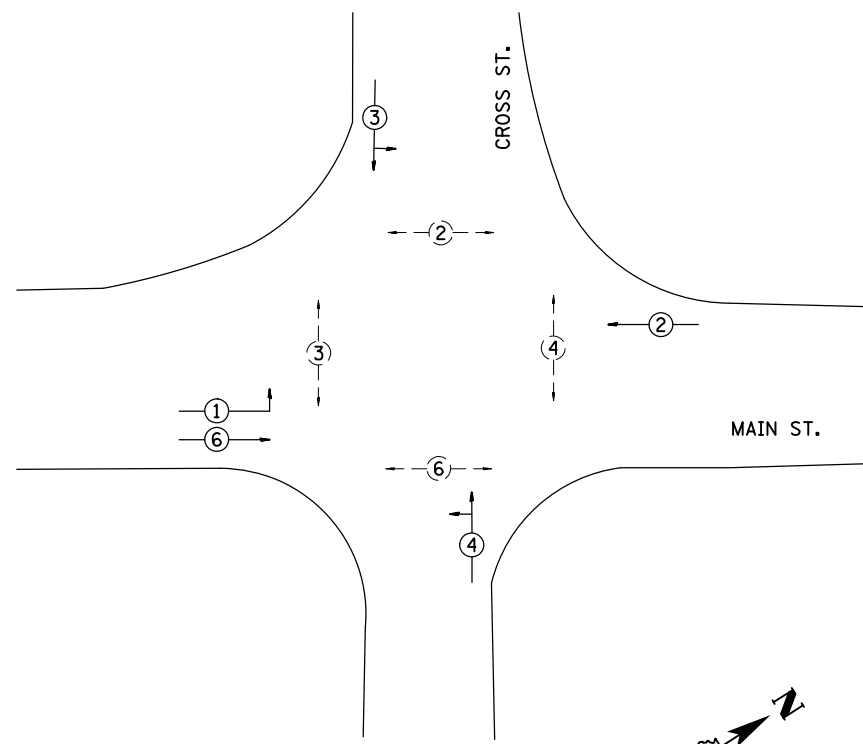


PROPOSED TRAFFIC SIGNAL FACES

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

WITH INTERSECTION MONITORING
 * PEDSTRIAN MOVEMENT ON ACTUATION ONLY

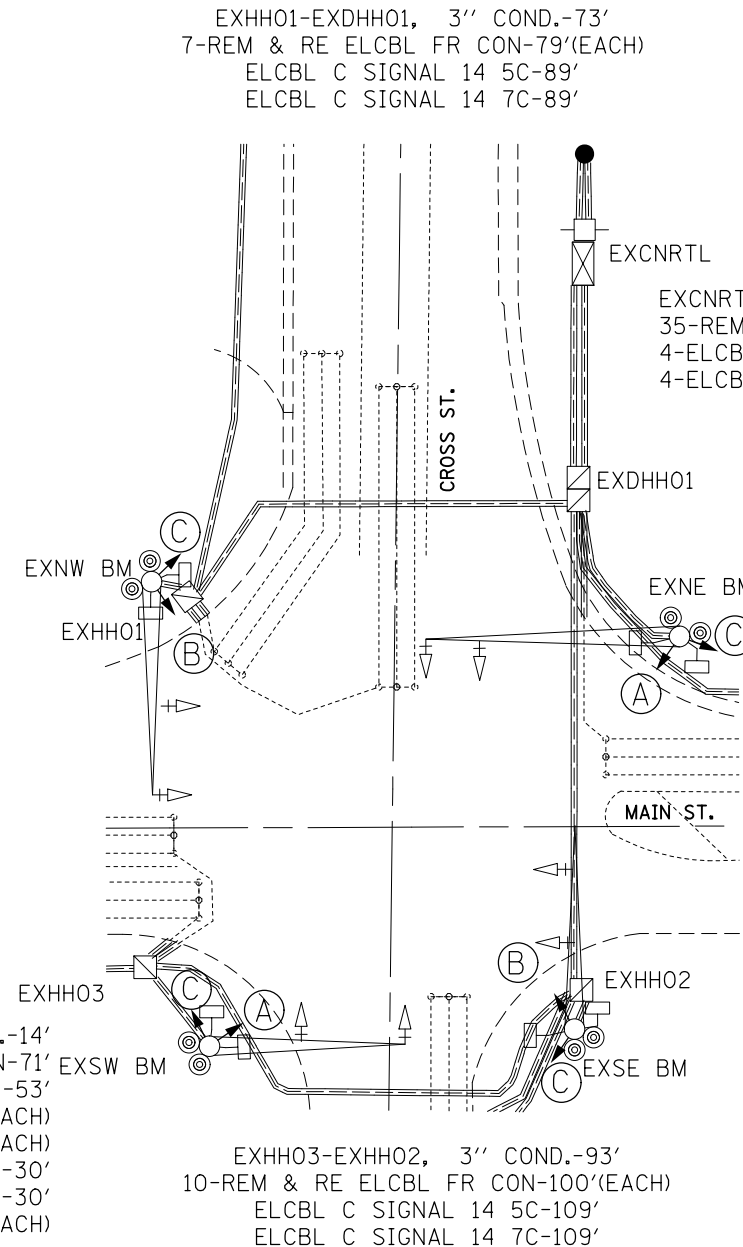
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH01, 2.5" COND.-4'
 REM & RE ELCBL FR CON-64'
 REM & RE ELCBL FR CON-49'
 2-REM & RE ELCBL FR CON-20'(EACH)
 2-REM & RE ELCBL FR CON-13'(EACH)
 ELCBL C SIGNAL 14 7C-20'
 ELCBL C SIGNAL 14 7C-20'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXSW BM-EXHH03, 2.5" COND.-14'
 REM & RE ELCBL FR CON-71'
 REM & RE ELCBL FR CON-53'
 2-REM & RE ELCBL FR CON-30'(EACH)
 2-REM & RE ELCBL FR CON-23'(EACH)
 ELCBL C SIGNAL 14 7C-30'
 ELCBL C SIGNAL 14 7C-30'
 SH P LED 2F 1-3 1-5BM-1(EACH)



EXHH01-EXDHH01, 3" COND.-73'
 7-REM & RE ELCBL FR CON-79'(EACH)
 ELCBL C SIGNAL 14 5C-89'
 ELCBL C SIGNAL 14 7C-89'

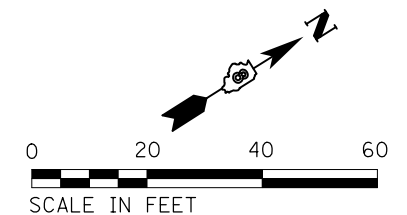
EXCNRTL
 EXCNRTL-EXDHH01, 2-3.5" COND.-32'
 35-REM & RE ELCBL FR CON-48'(EACH)
 4-ELCBL C SIGNAL 14 5C-54'(EACH)
 4-ELCBL C SIGNAL 14 5C-54'(EACH)

EXNE BM-EXDHH01, 2.5" COND.-29'
 REM & RE ELCBL FR CON-96'
 REM & RE ELCBL FR CON-87'
 2-REM & RE ELCBL FR CON-45'(EACH)
 2-REM & RE ELCBL FR CON-38'(EACH)
 ELCBL C SIGNAL 14 7C-45'
 ELCBL C SIGNAL 14 7C-45'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH02-EXDHH01, 3.5" COND.-82'
 18-REM & RE ELCBL FR CON-98'(EACH)
 2-ELCBL C SIGNAL 14 5C-104'(EACH)
 2-ELCBL C SIGNAL 14 5C-104'(EACH)

EXSE BM-EXHH02, 2.5" COND.-4'
 REM & RE ELCBL FR CON-55'
 REM & RE ELCBL FR CON-42'
 2-REM & RE ELCBL FR CON-20'(EACH)
 2-REM & RE ELCBL FR CON-13'(EACH)
 ELCBL C SIGNAL 14 7C-20'
 ELCBL C SIGNAL 14 7C-20'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXHH03-EXHH02, 3" COND.-93'
 10-REM & RE ELCBL FR CON-100'(EACH)
 ELCBL C SIGNAL 14 5C-109'
 ELCBL C SIGNAL 14 7C-109'



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

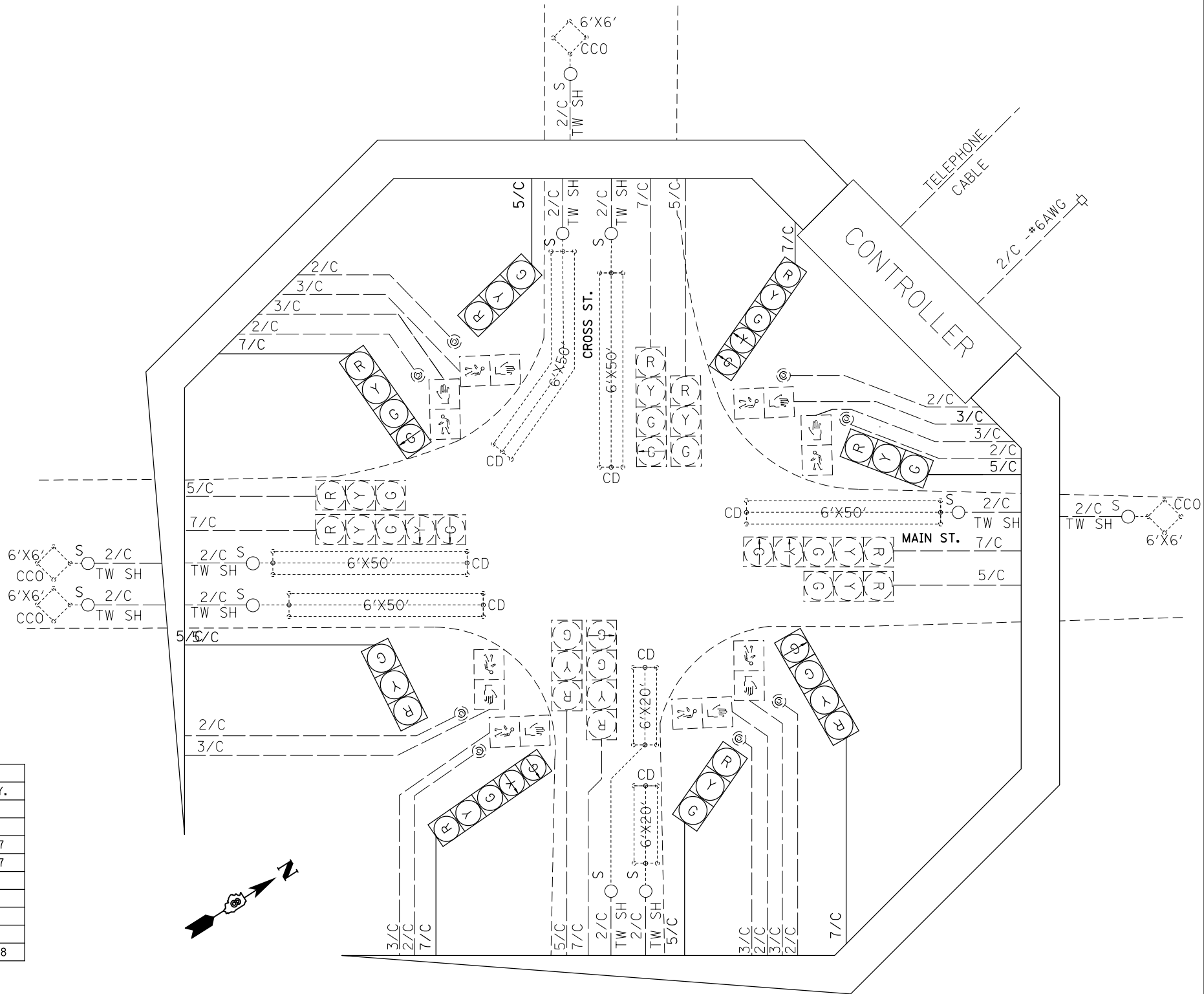
MAIN & CROSS (SHILOH, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	88
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	737
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	737
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	5918

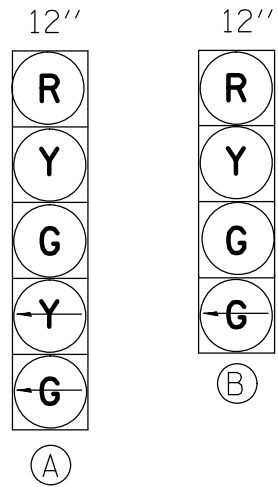
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAIN & CROSS (SHILOH, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	89
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

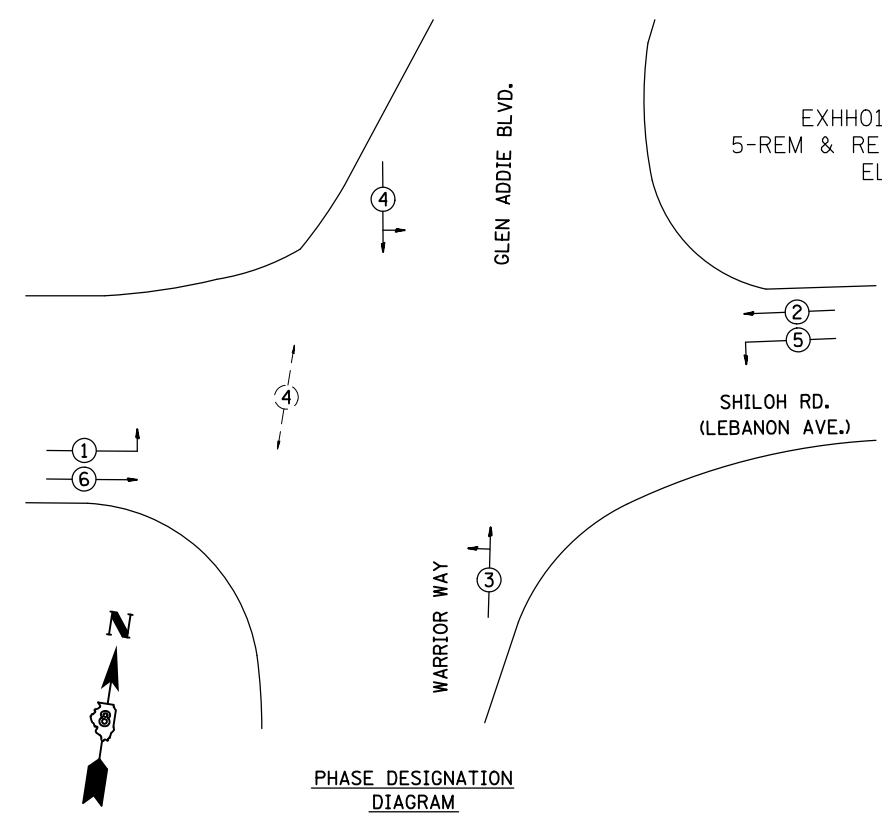


PROPOSED TRAFFIC SIGNAL FACES

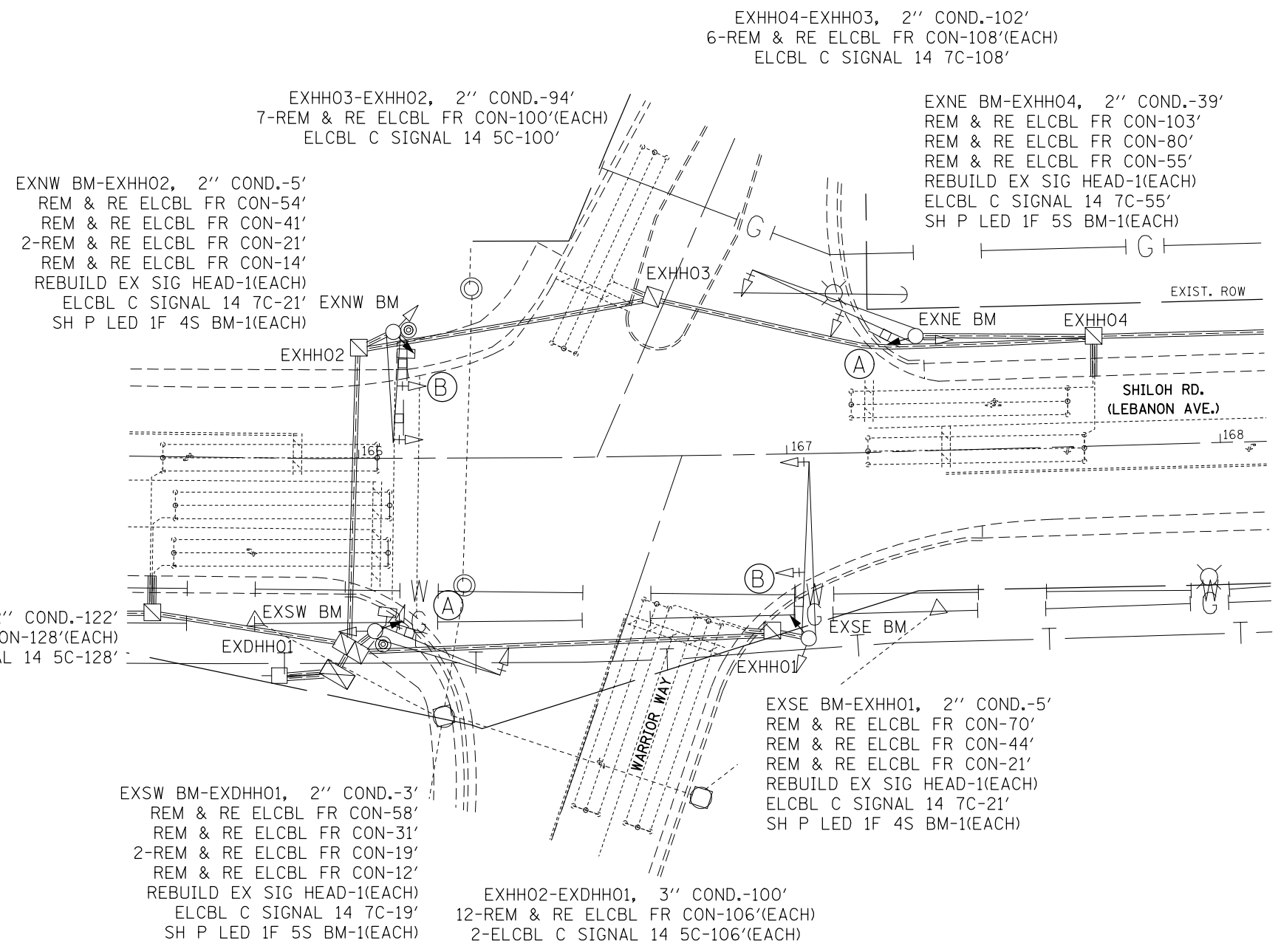
EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

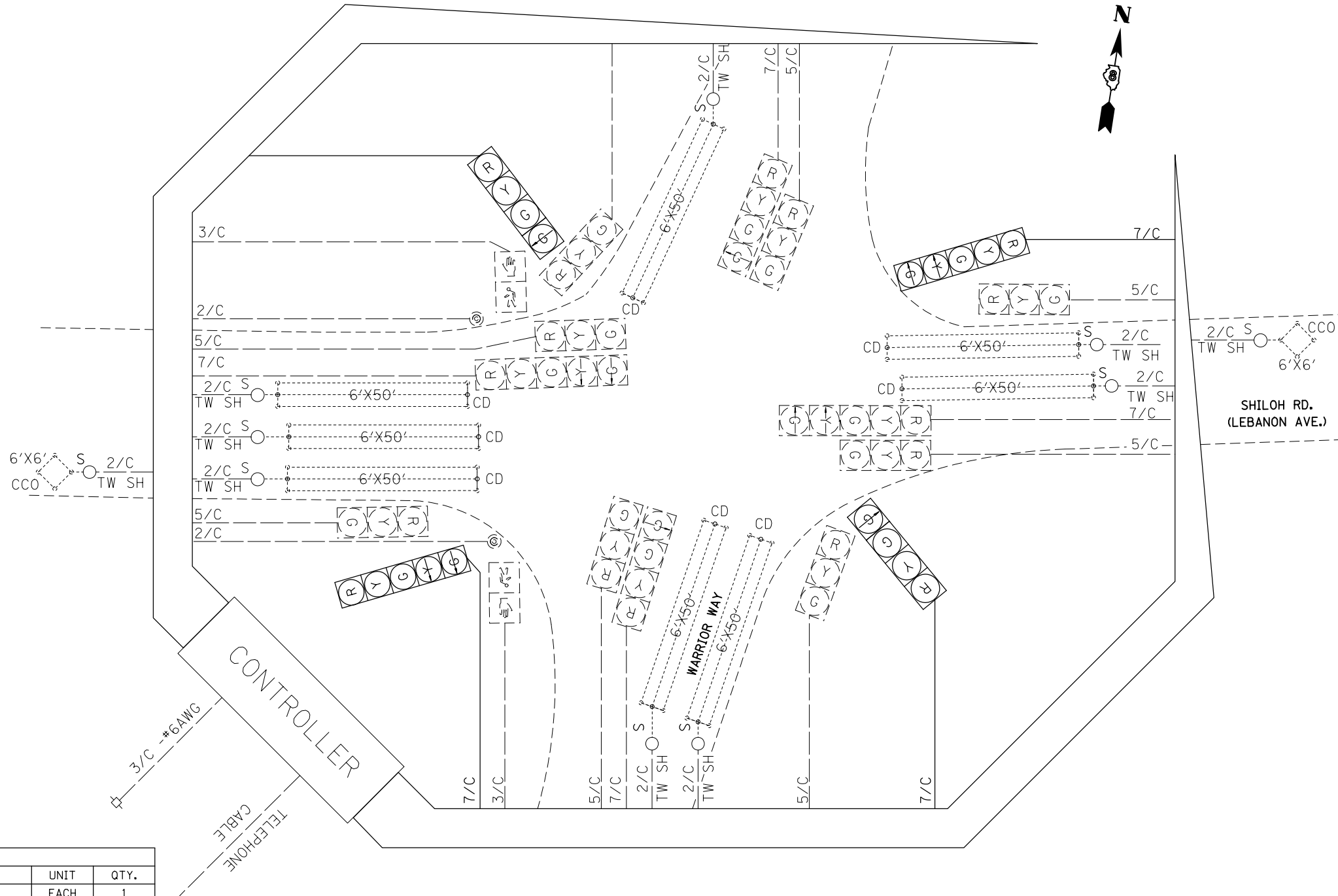


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	748
88040090	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	4500

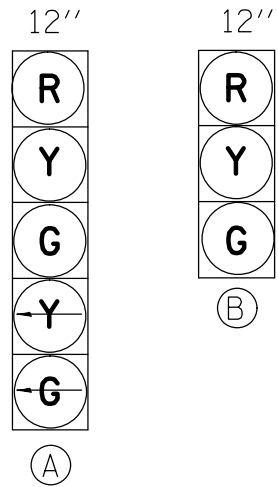
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LEBANON & SIERRA/WARRIOR (SHILOH, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

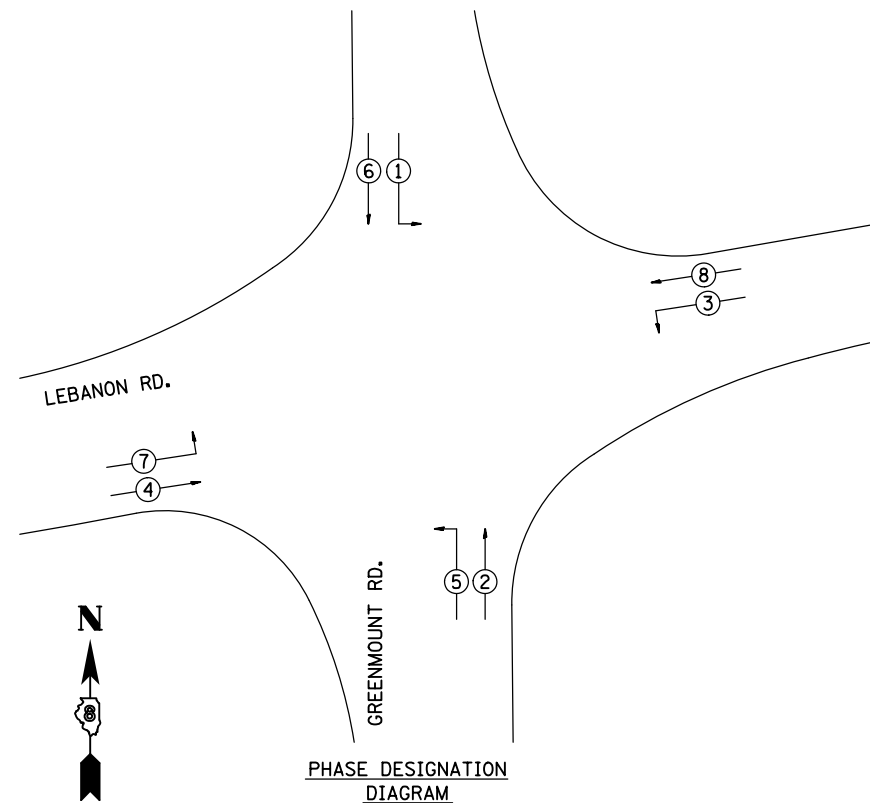


PROPOSED TRAFFIC SIGNAL FACES

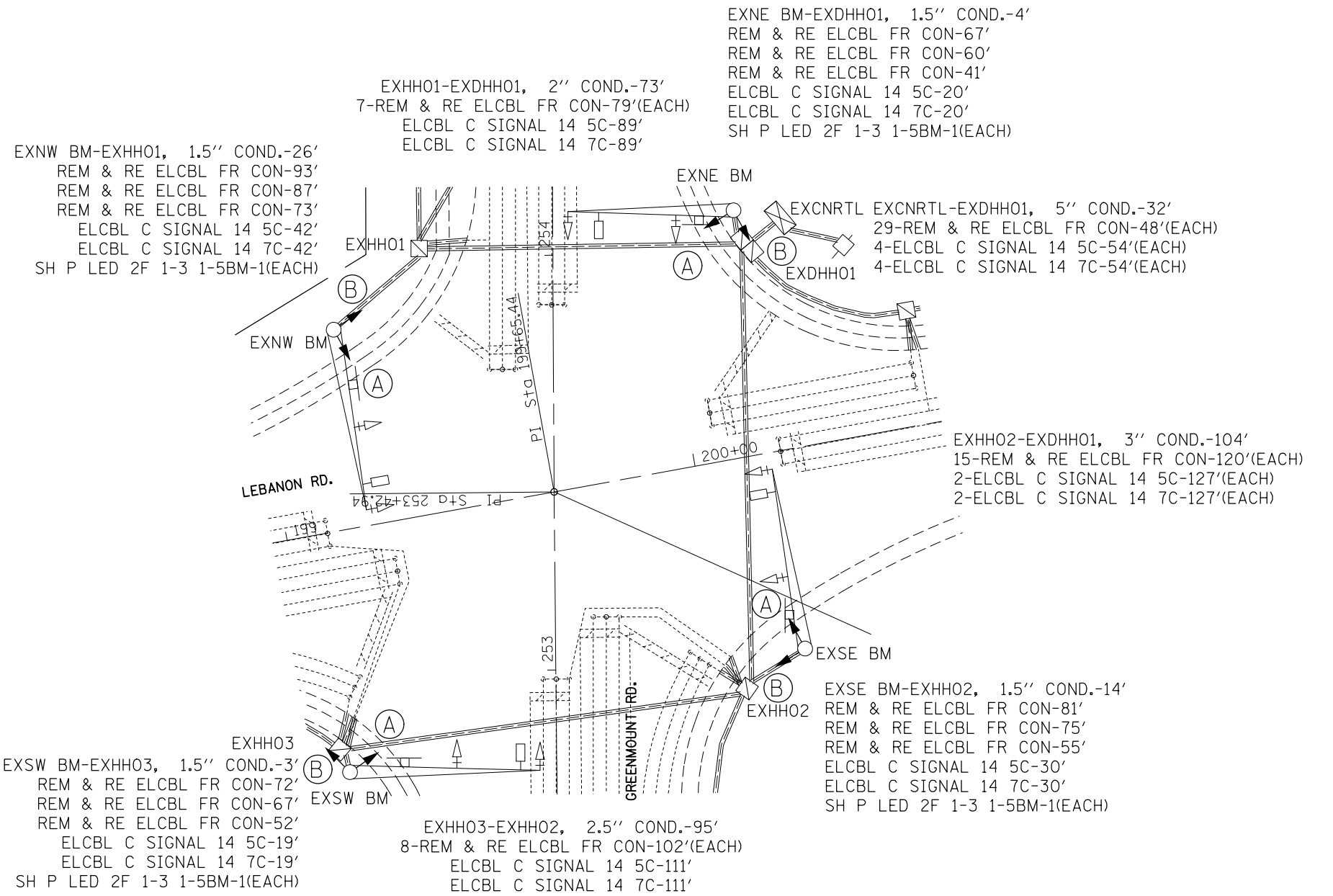
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↓	↑	↔	→	↖	↓	↗	←
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"

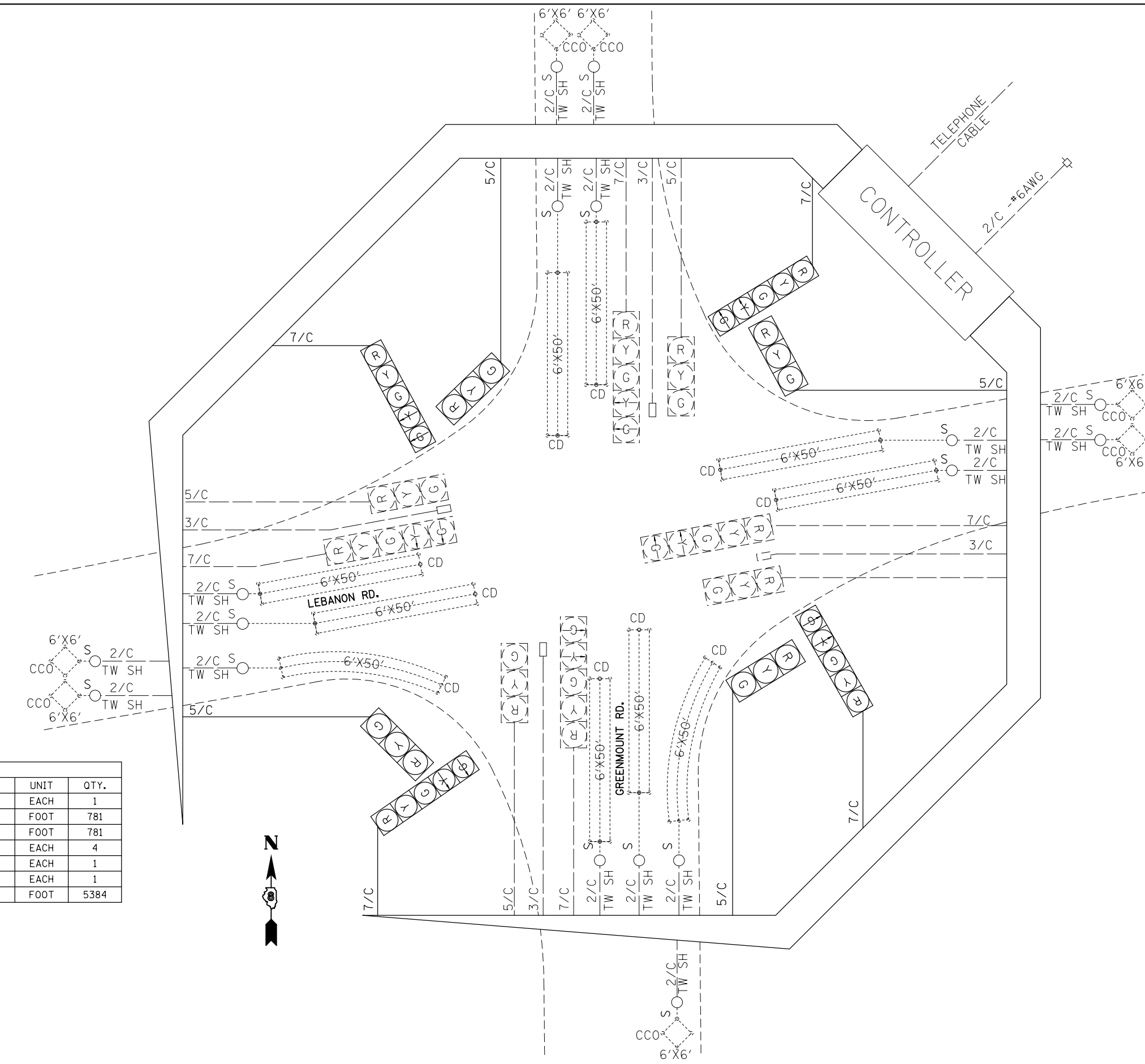


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

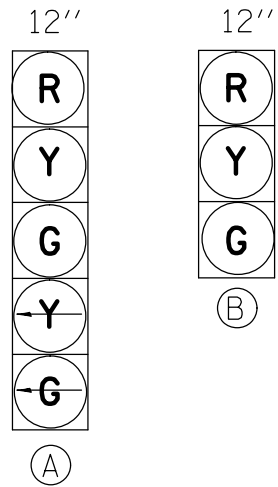
- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- LIGHTED SIGN



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	781
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	781
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	5384

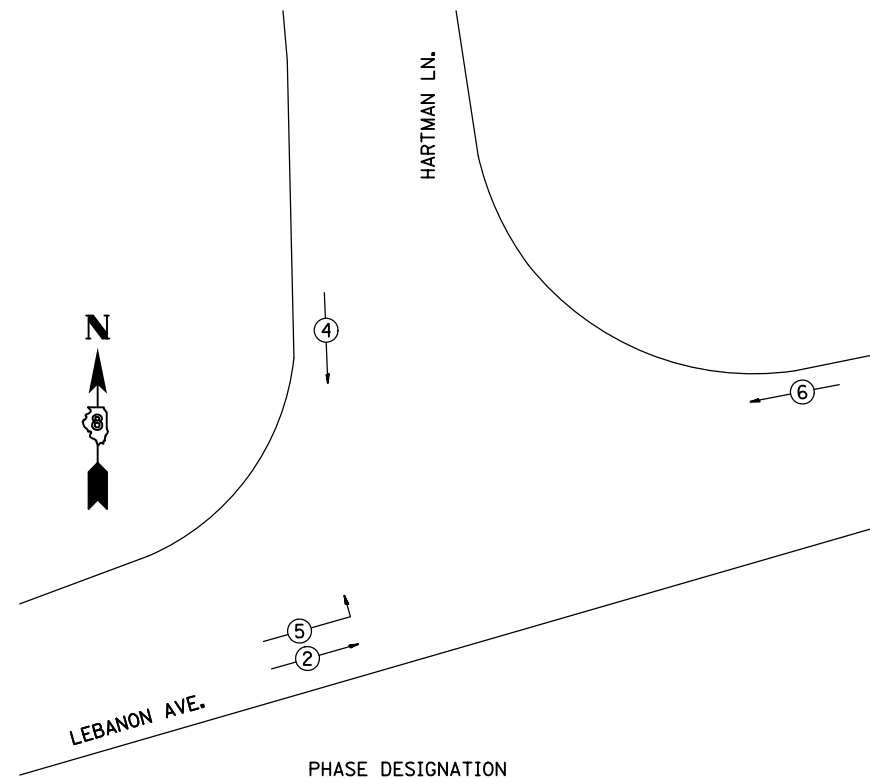




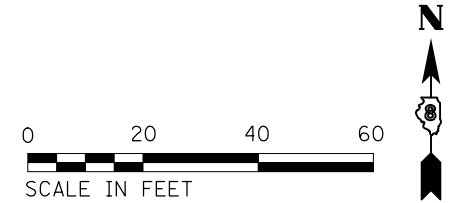
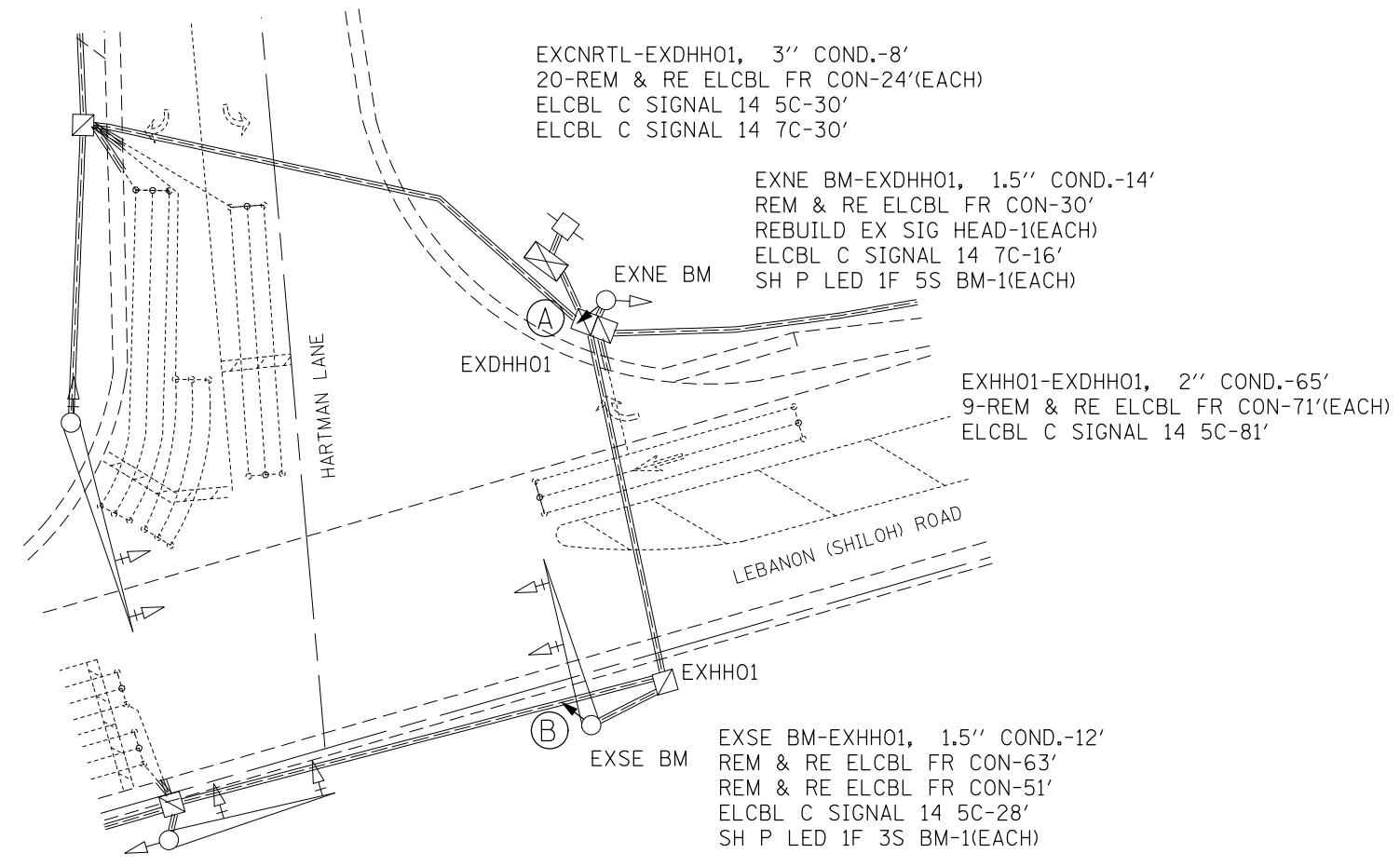
PROPOSED TRAFFIC SIGNAL FACES

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

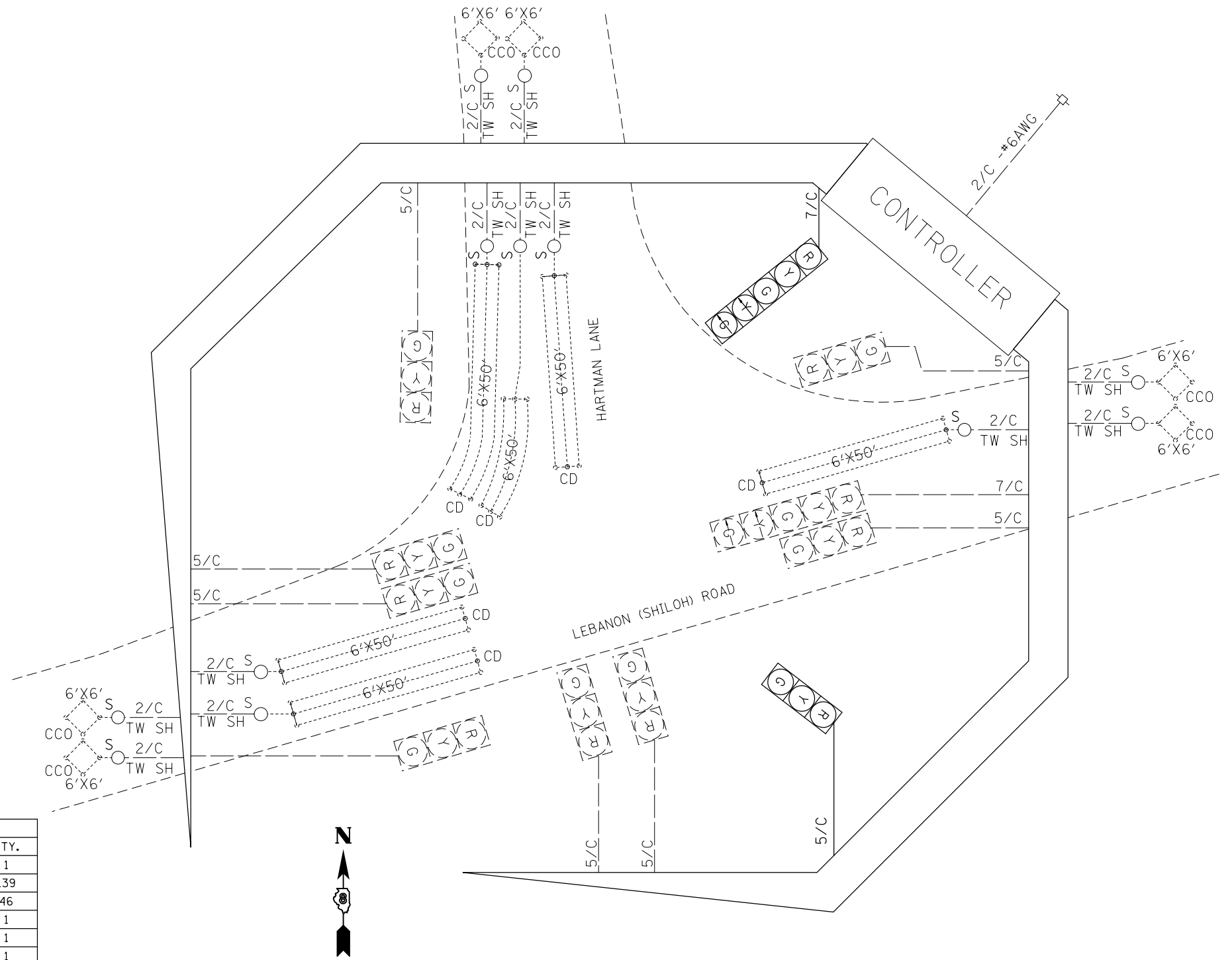
LEBANON & HARTMAN (S OF O'FALLON, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	94
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	139
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	46
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	1263

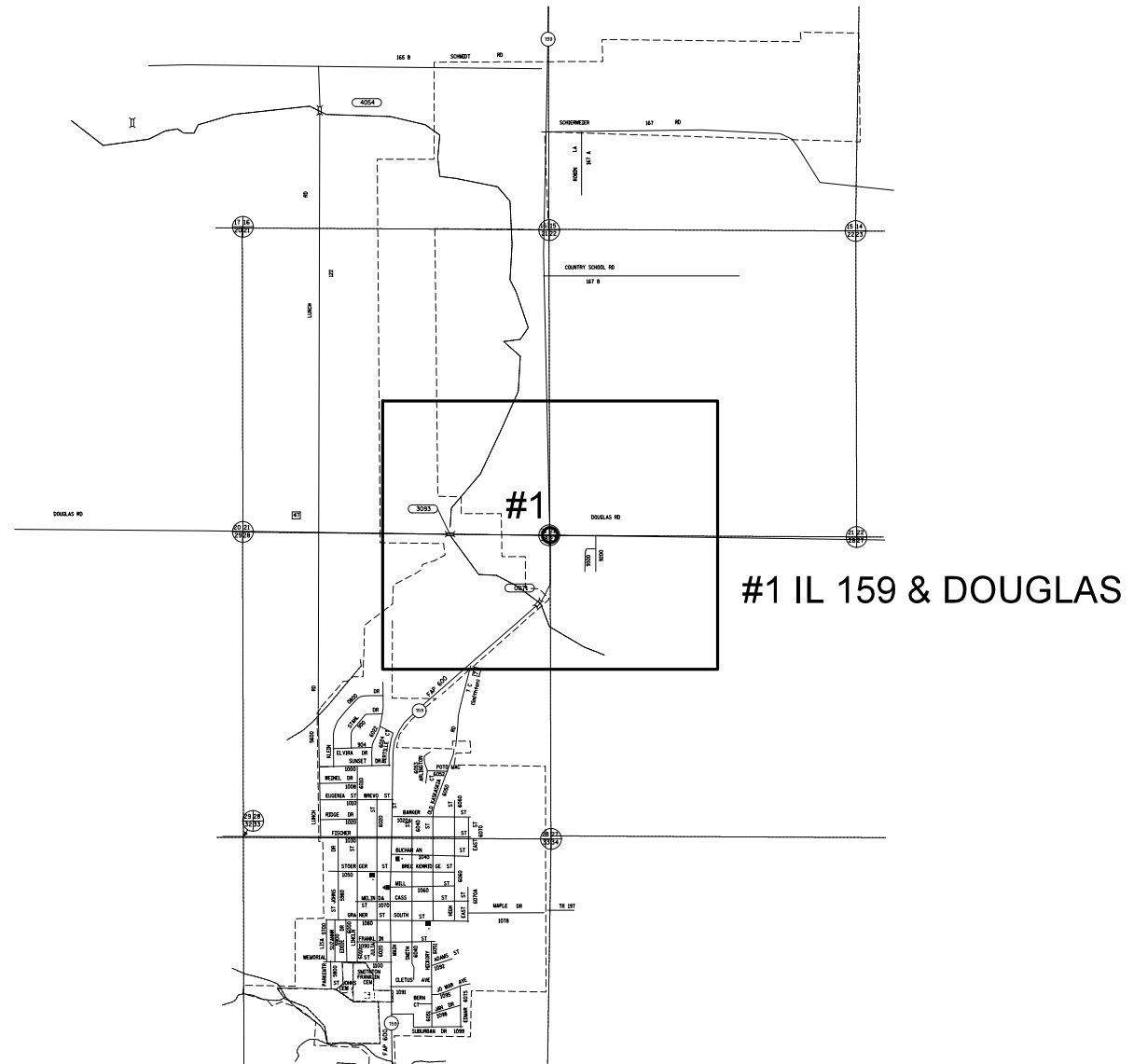
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LEBANON & HARTMAN (S OF O'FALLON, ST. CLAIR CNTY.)
WIRING DIAGRAM**

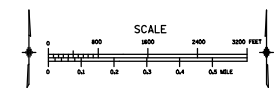
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	95
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



#1 IL 159 & DOUGLAS

SMITHTON

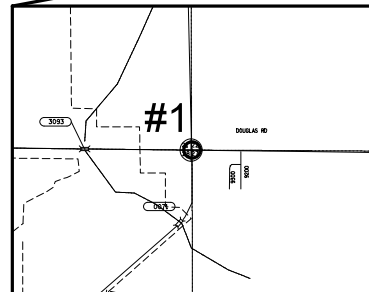
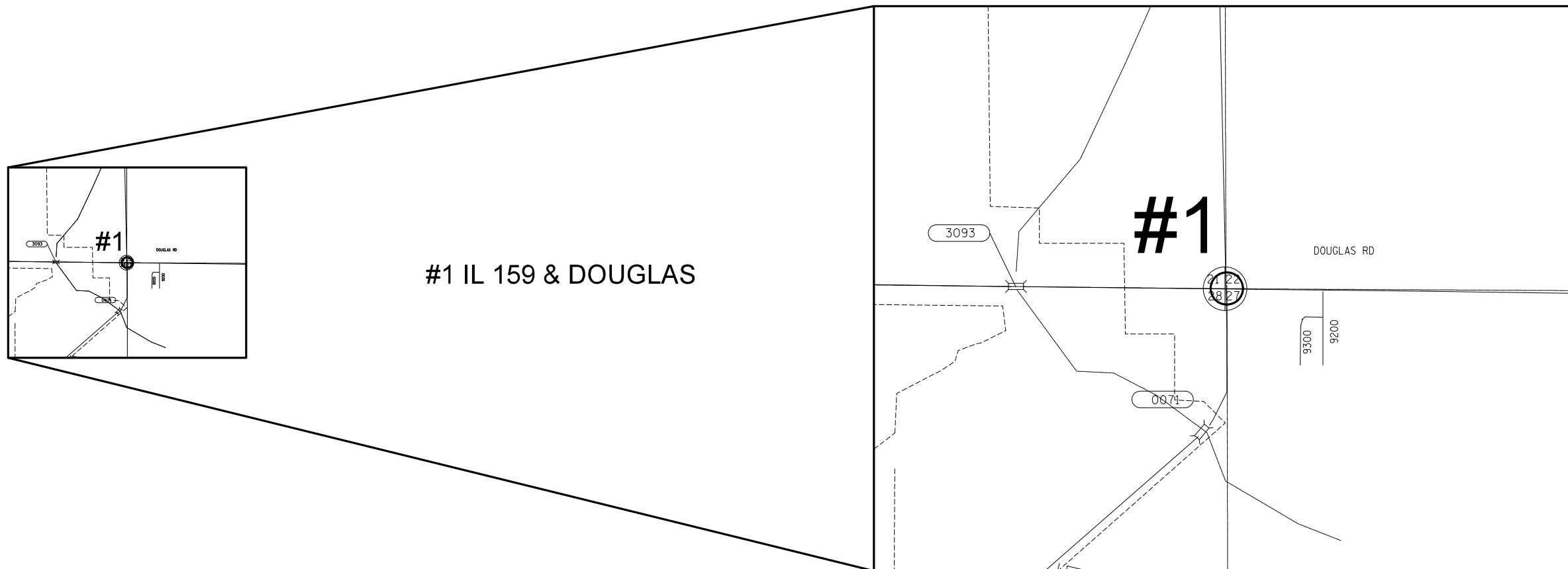


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP SMITHTON, ST. CLAIR CNTY. 1 OF 2			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	96
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



#1 IL 159 & DOUGLAS

#1

DOUGLAS RD

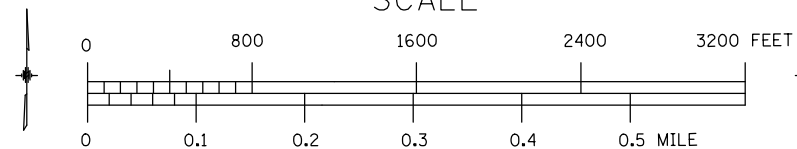
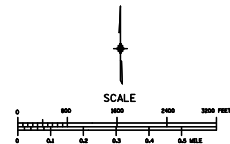
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0056

0026

SCALE



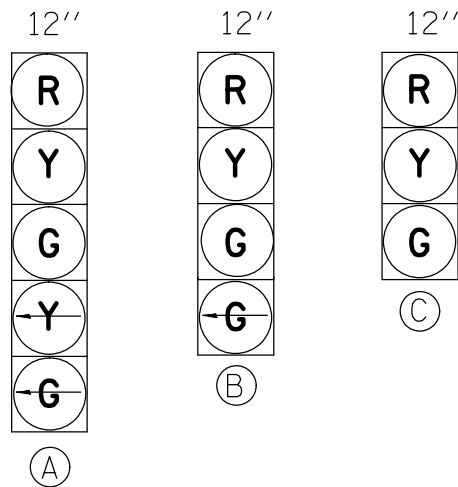
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
SMITHTON, ST. CLAIR CNTY.
2 OF 2

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

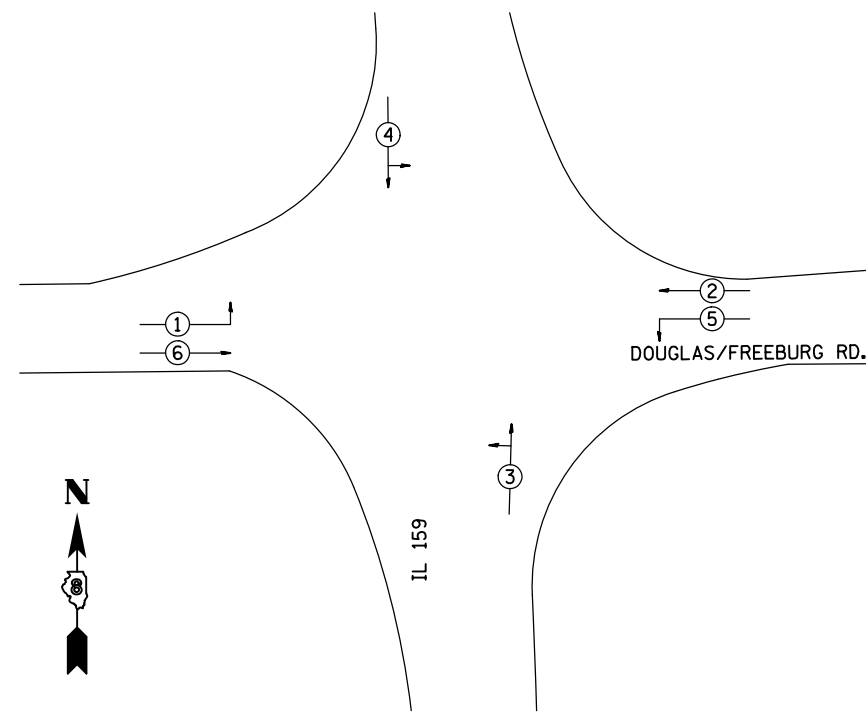
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	97
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



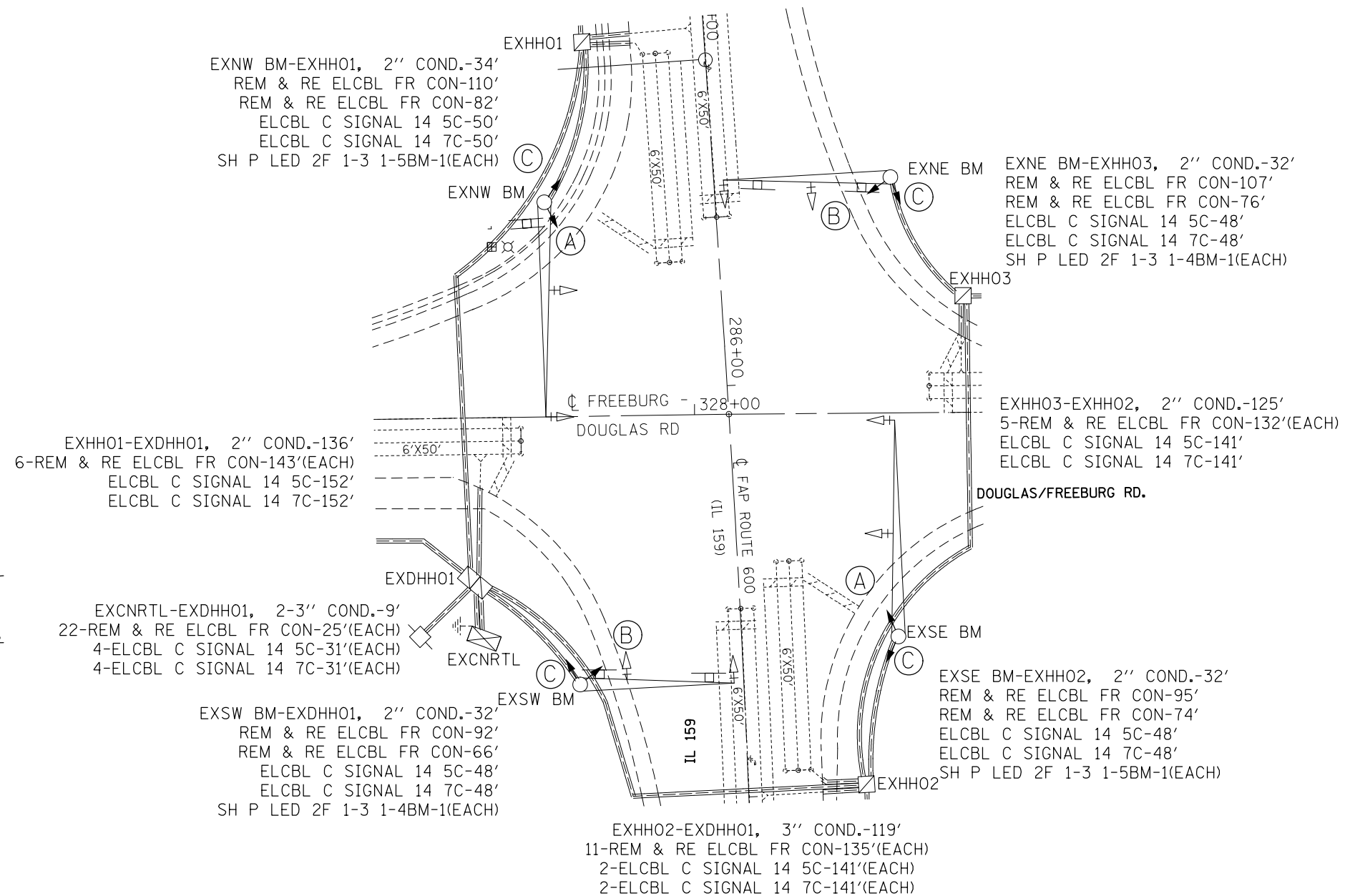
PROPOSED TRAFFIC SIGNAL FACES

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

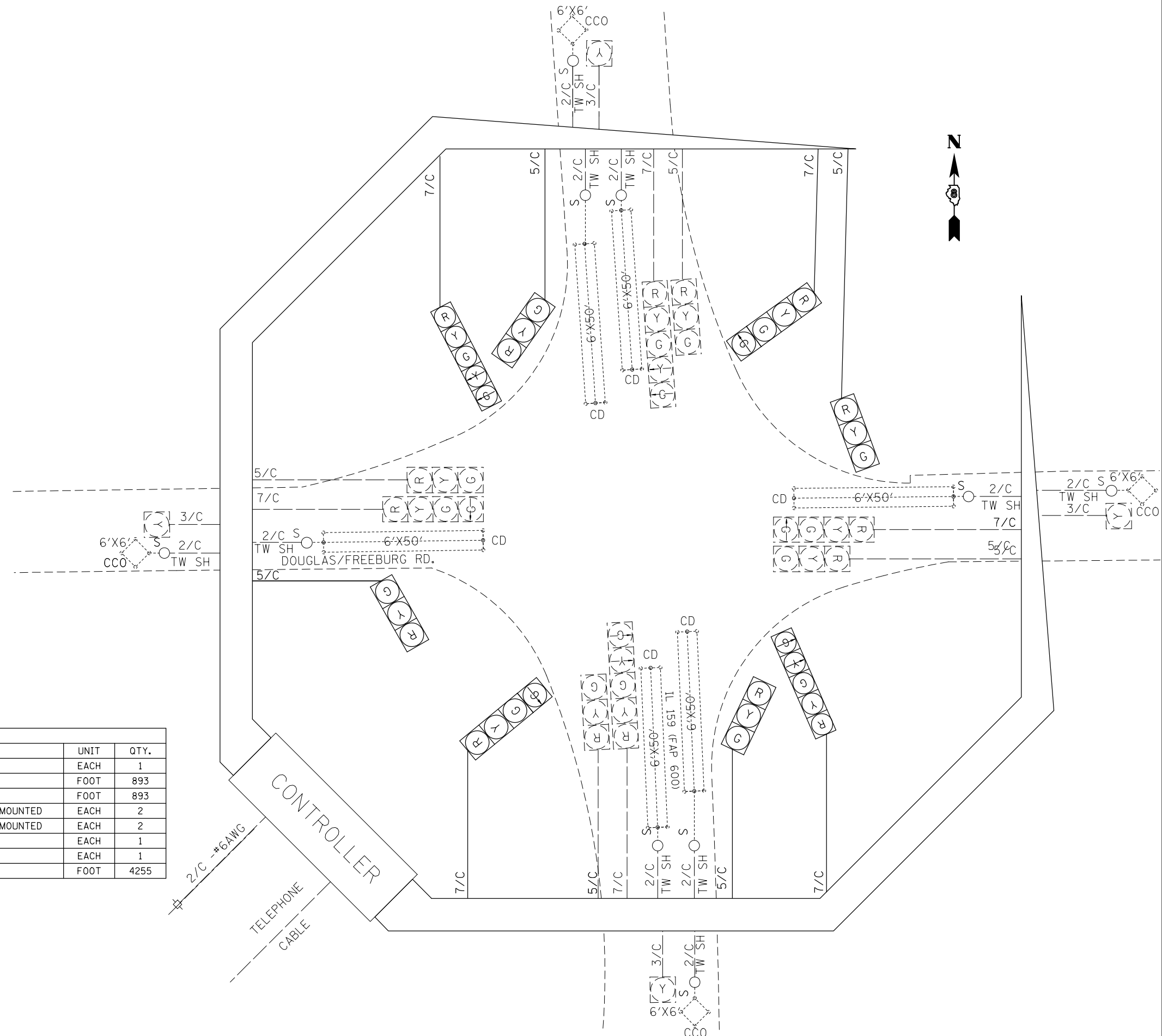
IL 159 & DOUGLAS (SMITHTON, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	98
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⊠ (Y) FLASHING BEACON (YELLOW)



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	893
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	893
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	4255

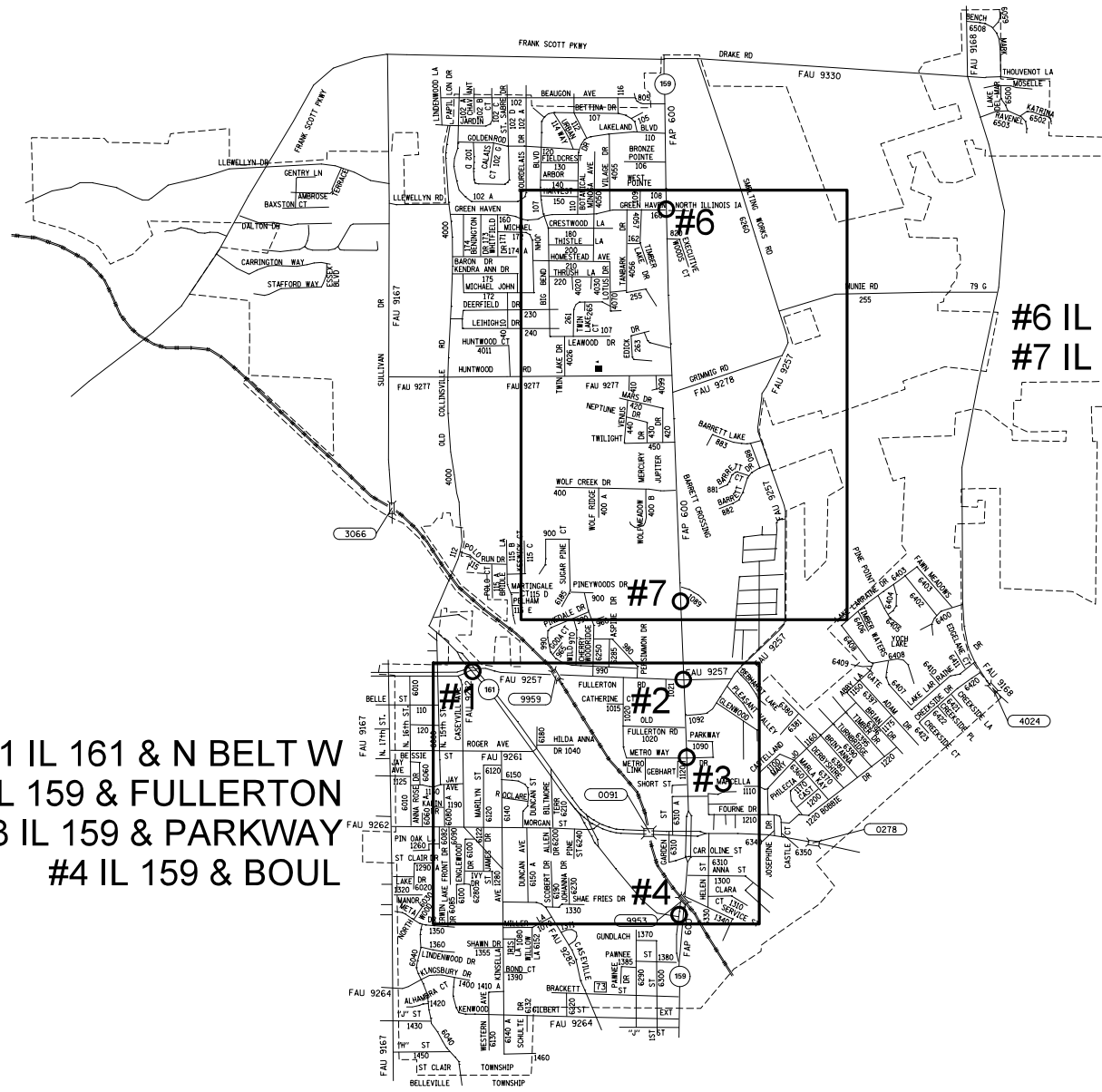
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

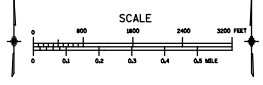
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	99
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



#6 IL 159 & GREEN HAVEN
#7 IL 159 & ROSEWOOD VILLAGE

#1 IL 161 & N BELT W
#2 IL 159 & FULLERTON
#3 IL 159 & PARKWAY
#4 IL 159 & BOUL

SWANSEA

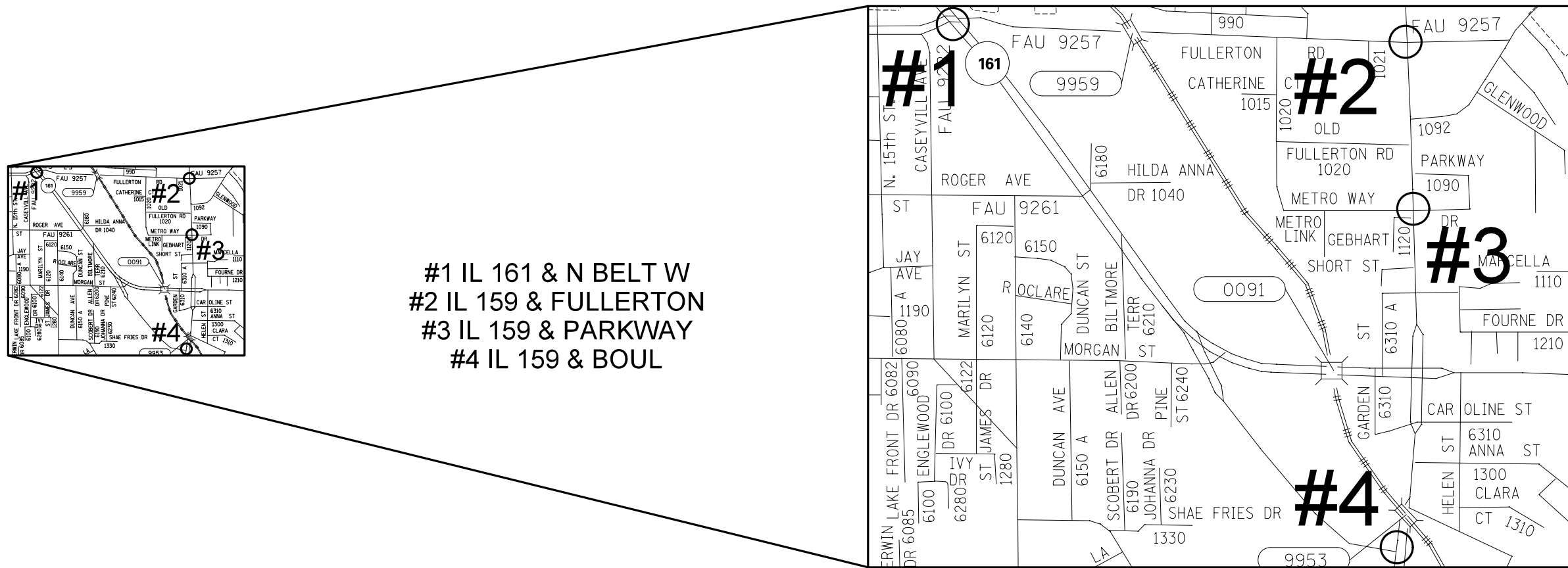


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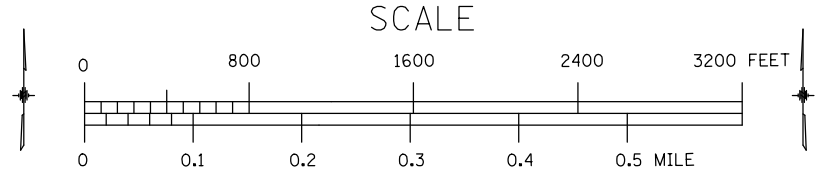
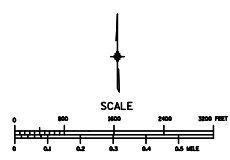
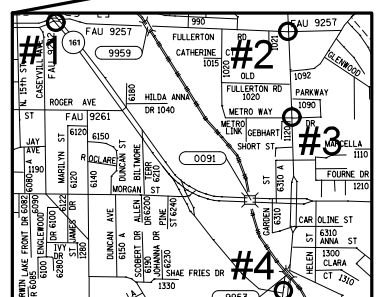
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP SWANSEA, ST. CLAIR CNTY. 1 OF 3				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

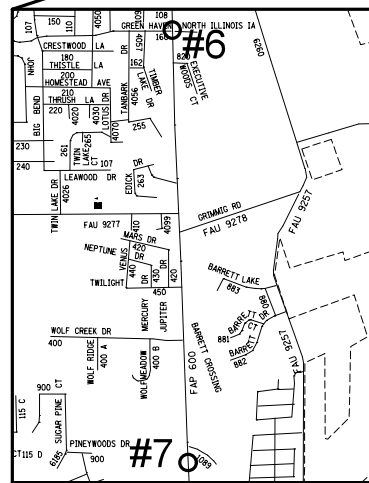
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	100
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



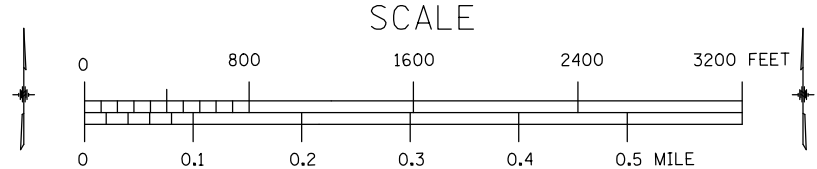
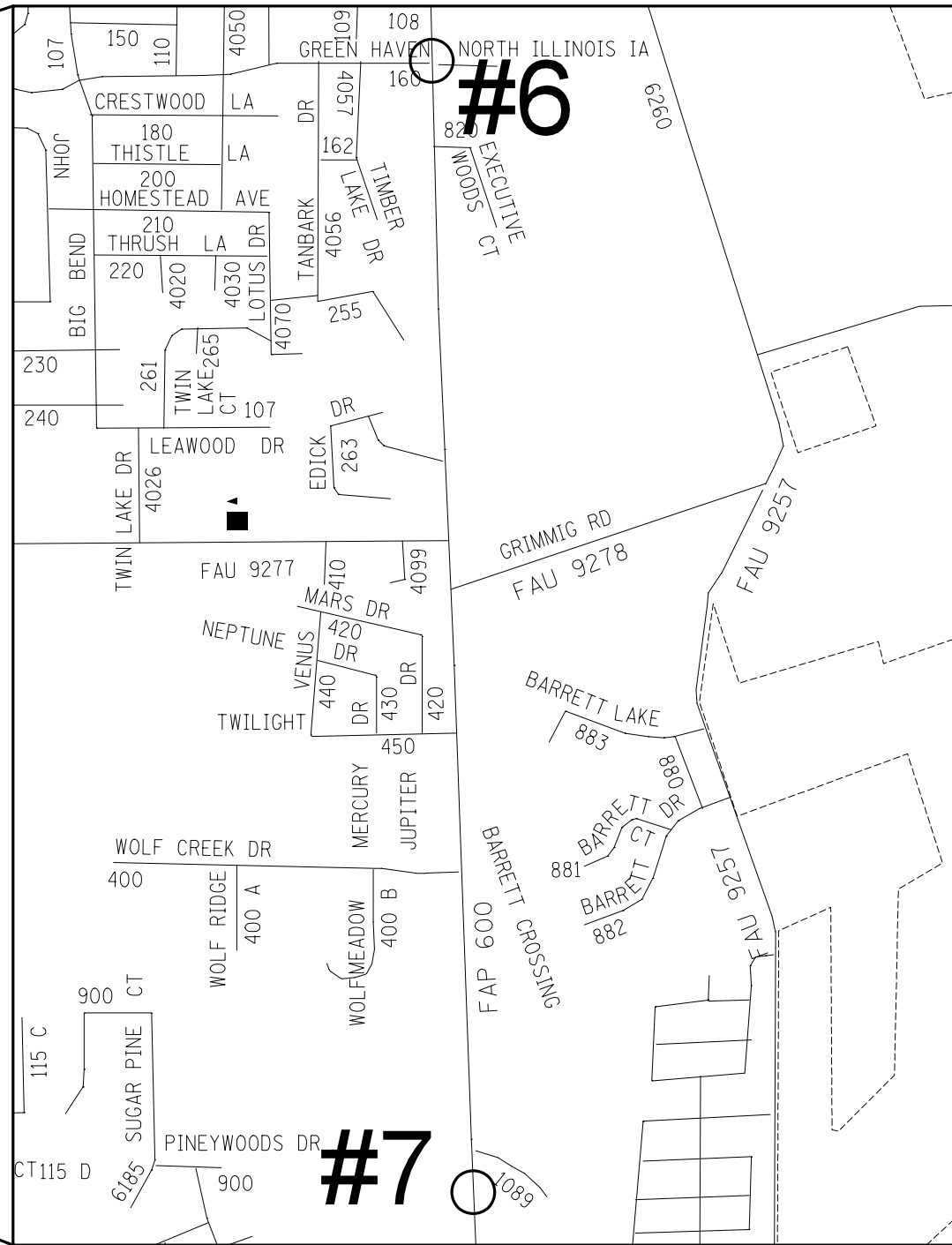
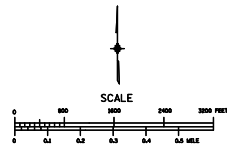
#1 IL 161 & N BELT W
 #2 IL 159 & FULLERTON
 #3 IL 159 & PARKWAY
 #4 IL 159 & BOUL



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	PLOT DATE = 8/24/2017	CHECKED -	REVISED -							•=VARIOUS				CONTRACT NO. 76J24
		DATE -	REVISED -							FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



#6 IL 159 & GREEN HAVEN
#7 IL 159 & ROSEWOOD VILLAGE

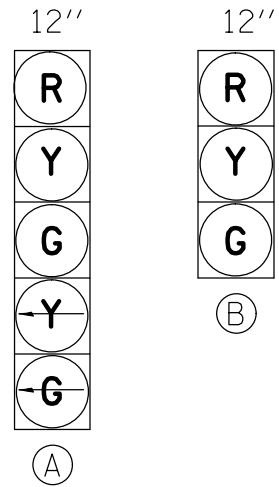


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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP SWANSEA, ST. CLAIR CNTY. 3 OF 3			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

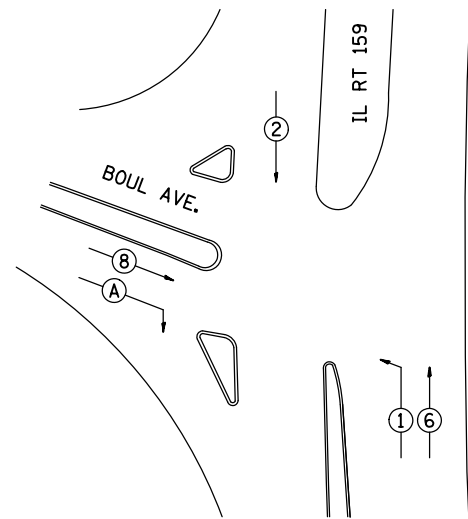
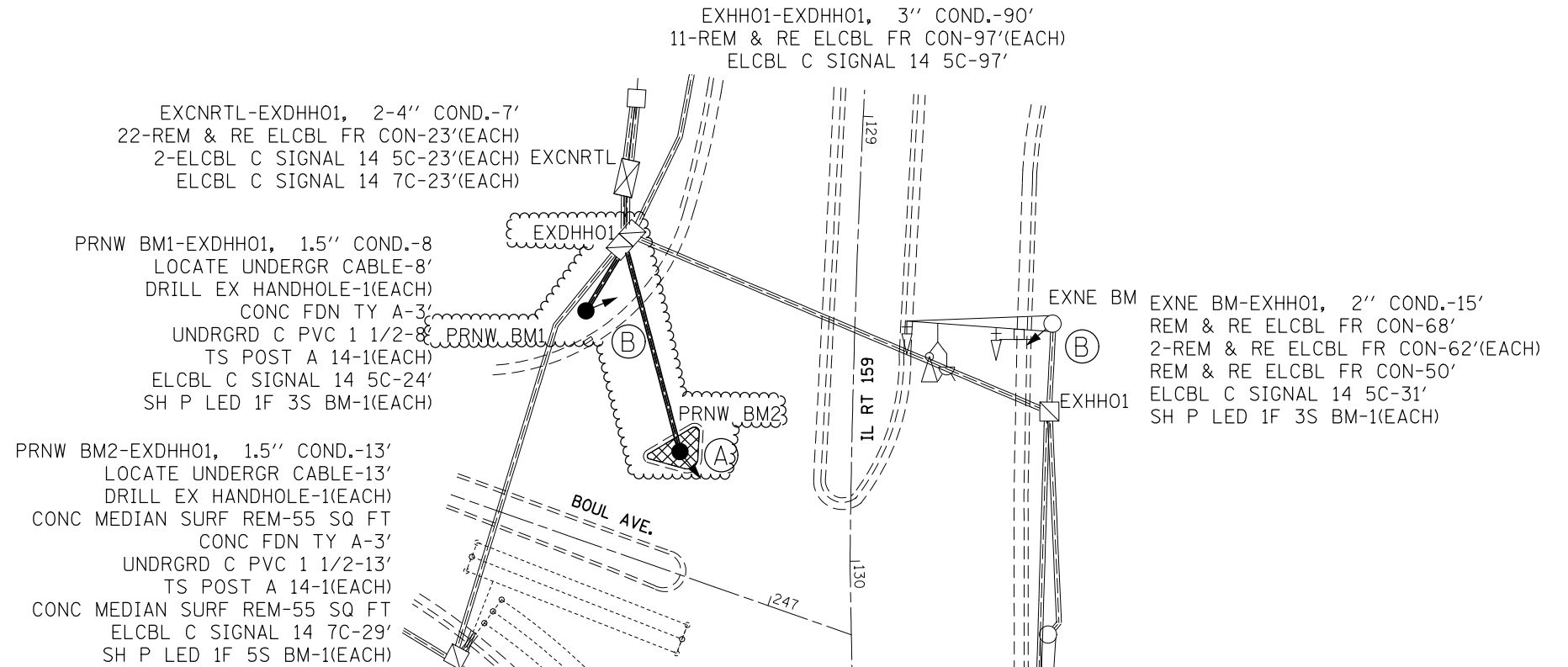
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	102
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM



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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

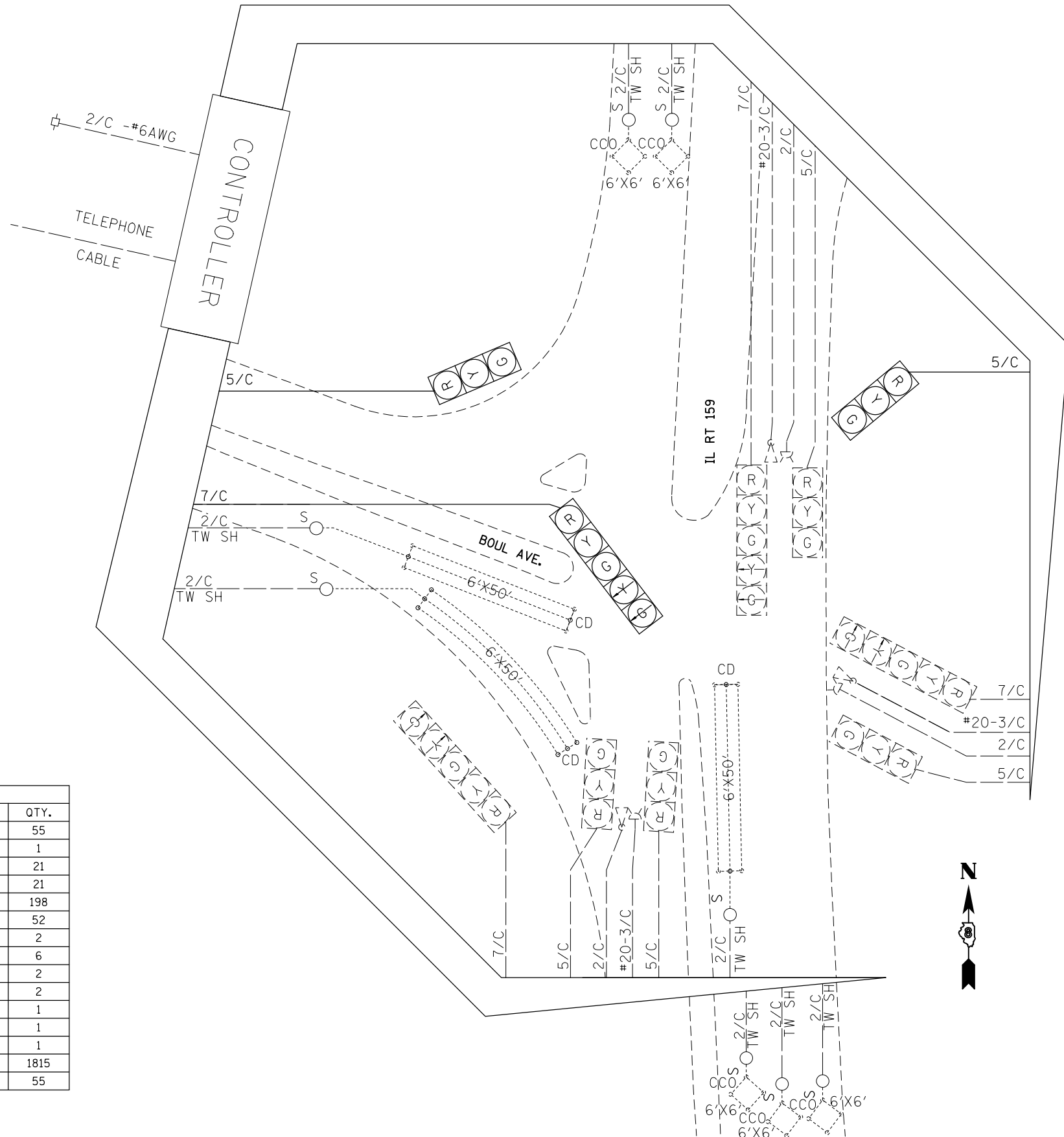
IL 159 & BOUL (SWANSEA, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	103
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌋ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌋ EXISTING (E.V.P.S.) CONFIRMATION BEACON



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	55
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	21
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	21
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	198
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	52
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	2
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1815
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	55

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	PLOT DATE = 8/24/2017	DATE -	REVISED -

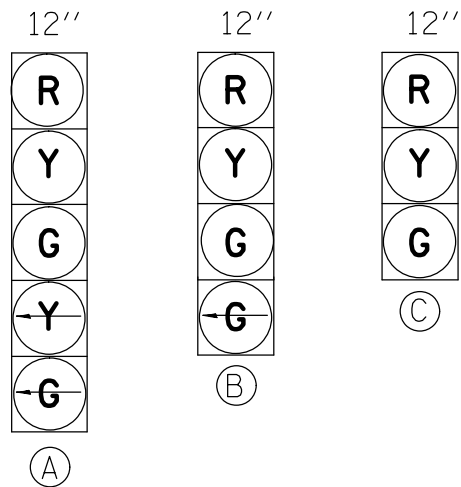
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & BOUL (SWANSEA, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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



RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	104
•=VARIOUS		CONTRACT NO. 76J24		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

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

* PEDESTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXNW BM-EXHH01, 2" COND.-12'
 REM & RE ELCBL FR CON-82'
 REM & RE ELCBL FR CON-64'
 REM & RE ELCBL FR CON-60'
 ELCBL C SIGNAL 14 5C-28'
 ELCBL C SIGNAL 14 7C-28'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH01-EXDHH01, 2-2" COND.-136'
 9-REM & RE ELCBL FR CON-143'(EACH)
 ELCBL C SIGNAL 14 5C-152'
 ELCBL C SIGNAL 14 7C-152'

EXCNRTL-EXDHH01, 4" COND.-4'
 37-REM & RE ELCBL FR CON-20'(EACH)
 4-ELCBL C SIGNAL 14 5C-26'(EACH)
 4-ELCBL C SIGNAL 14 7C-26'(EACH)

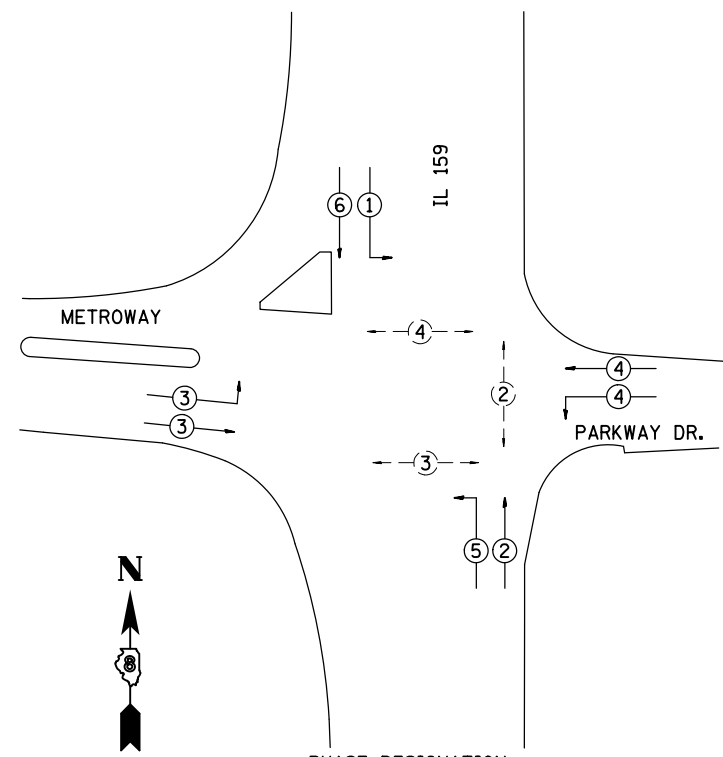
EXSW BM-EXDHH01, 2" COND.-13'
 REM & RE ELCBL FR CON-83'
 REM & RE ELCBL FR CON-66'
 REM & RE ELCBL FR CON-62'
 REM & RE ELCBL FR CON-29'
 REM & RE ELCBL FR CON-22'
 ELCBL C SIGNAL 14 5C-29'
 ELCBL C SIGNAL 14 7C-29'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXHH02-EXDHH01, 2" COND.-105'
 20-REM & RE ELCBL FR CON-121'(EACH)
 2-ELCBL C SIGNAL 14 5C-127'(EACH)
 2-ELCBL C SIGNAL 14 7C-127'(EACH)

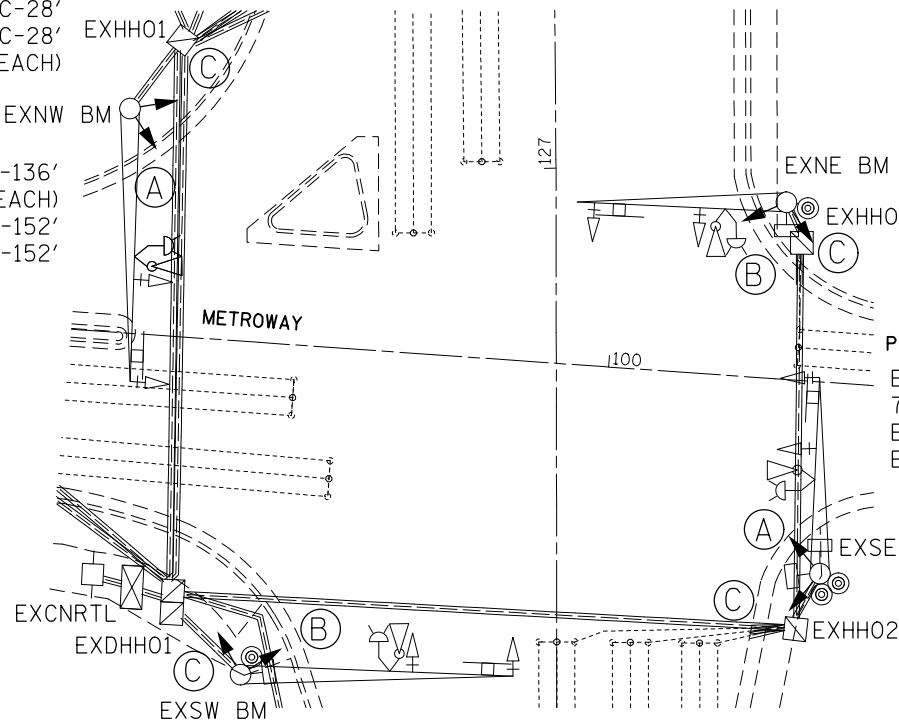
EXNE BM-EXHH03, 2" COND.-4'
 REM & RE ELCBL FR CON-61'
 REM & RE ELCBL FR CON-42'
 REM & RE ELCBL FR CON-38'
 REM & RE ELCBL FR CON-20'
 REM & RE ELCBL FR CON-13'
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXHH03-EXHH02, 2" COND.-64'
 7-REM & RE ELCBL FR CON-70'(EACH)
 ELCBL C SIGNAL 14 5C-80'
 ELCBL C SIGNAL 14 7C-80'

EXSE BM-EXHH02, 2" COND.-7'
 REM & RE ELCBL FR CON-65'
 REM & RE ELCBL FR CON-52'
 REM & RE ELCBL FR CON-47'
 2-REM & RE ELCBL FR CON-23'
 2-REM & RE ELCBL FR CON-16'
 ELCBL C SIGNAL 14 5C-23'
 ELCBL C SIGNAL 14 7C-23'
 SH P LED 2F 1-3 1-5BM-1(EACH)

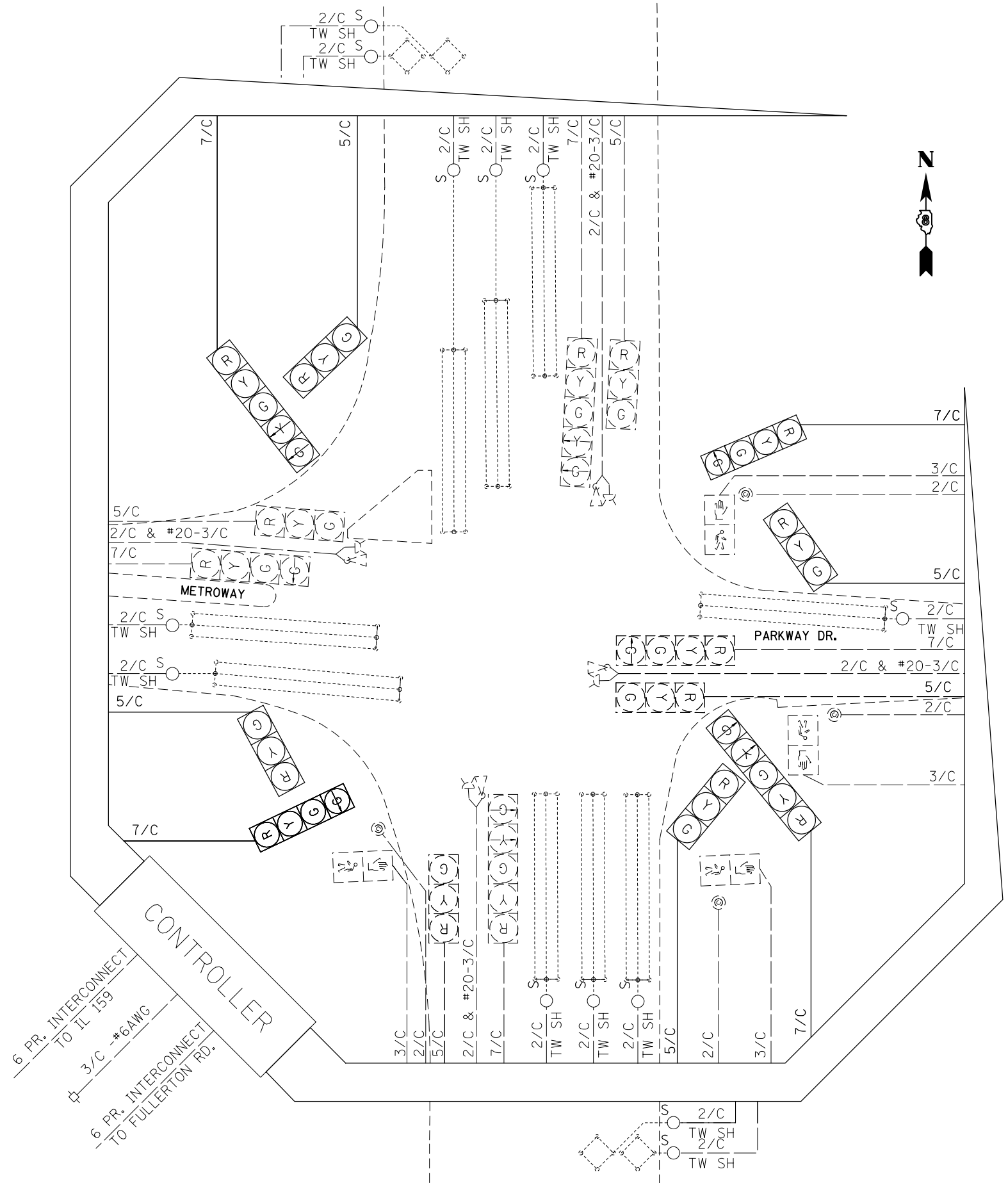


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌋ ⌋ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌋ ⌋ EXISTING (E.V.P.S.) CONFIRMATION BEACON



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	690
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	690
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	5821

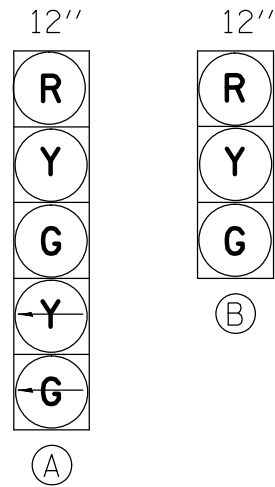
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & PARKWAY (SWANSEA, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	106
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



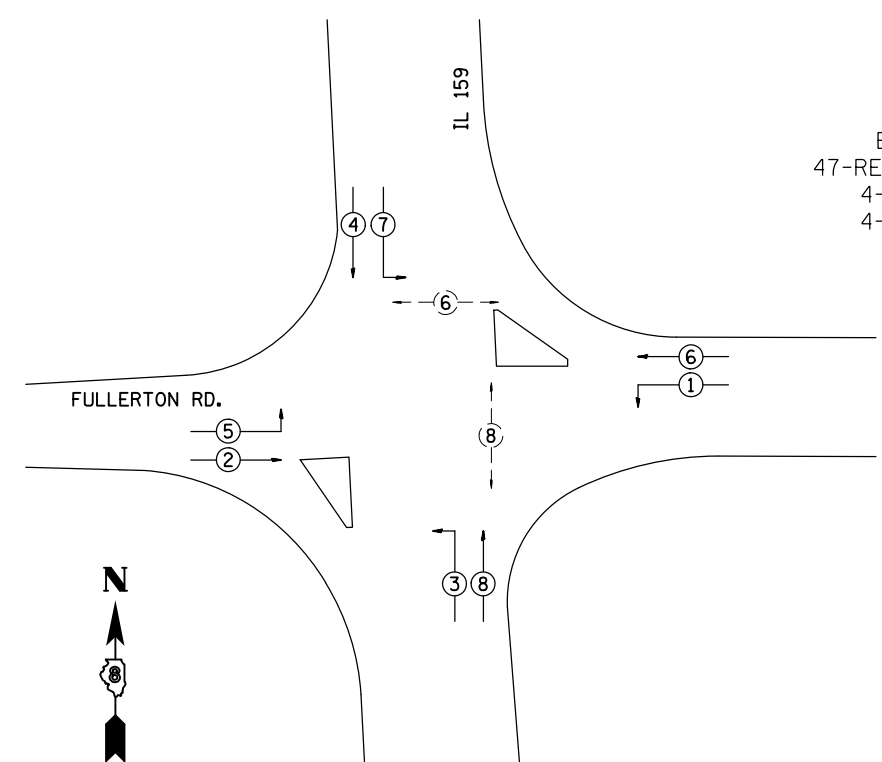
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

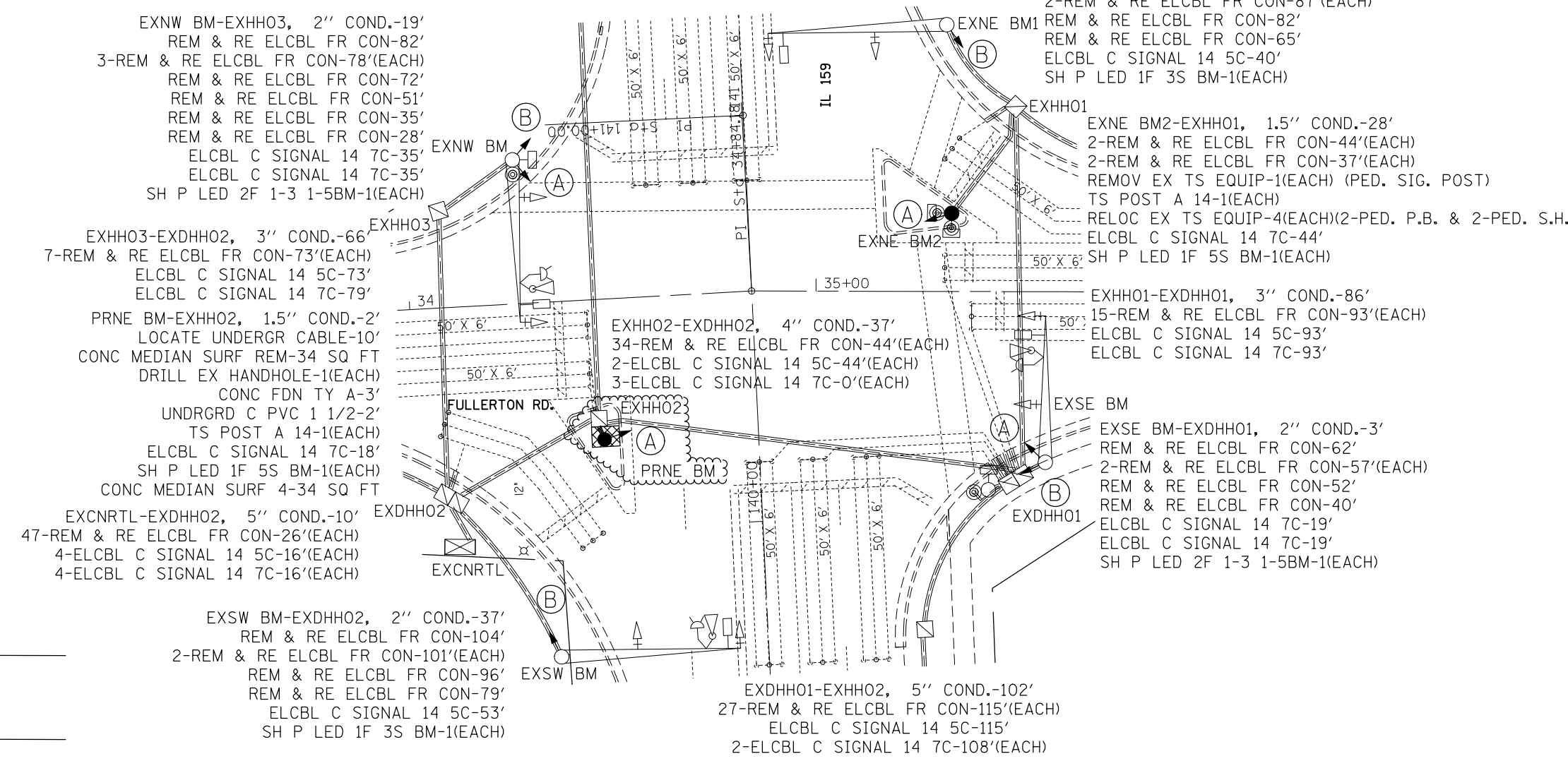
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

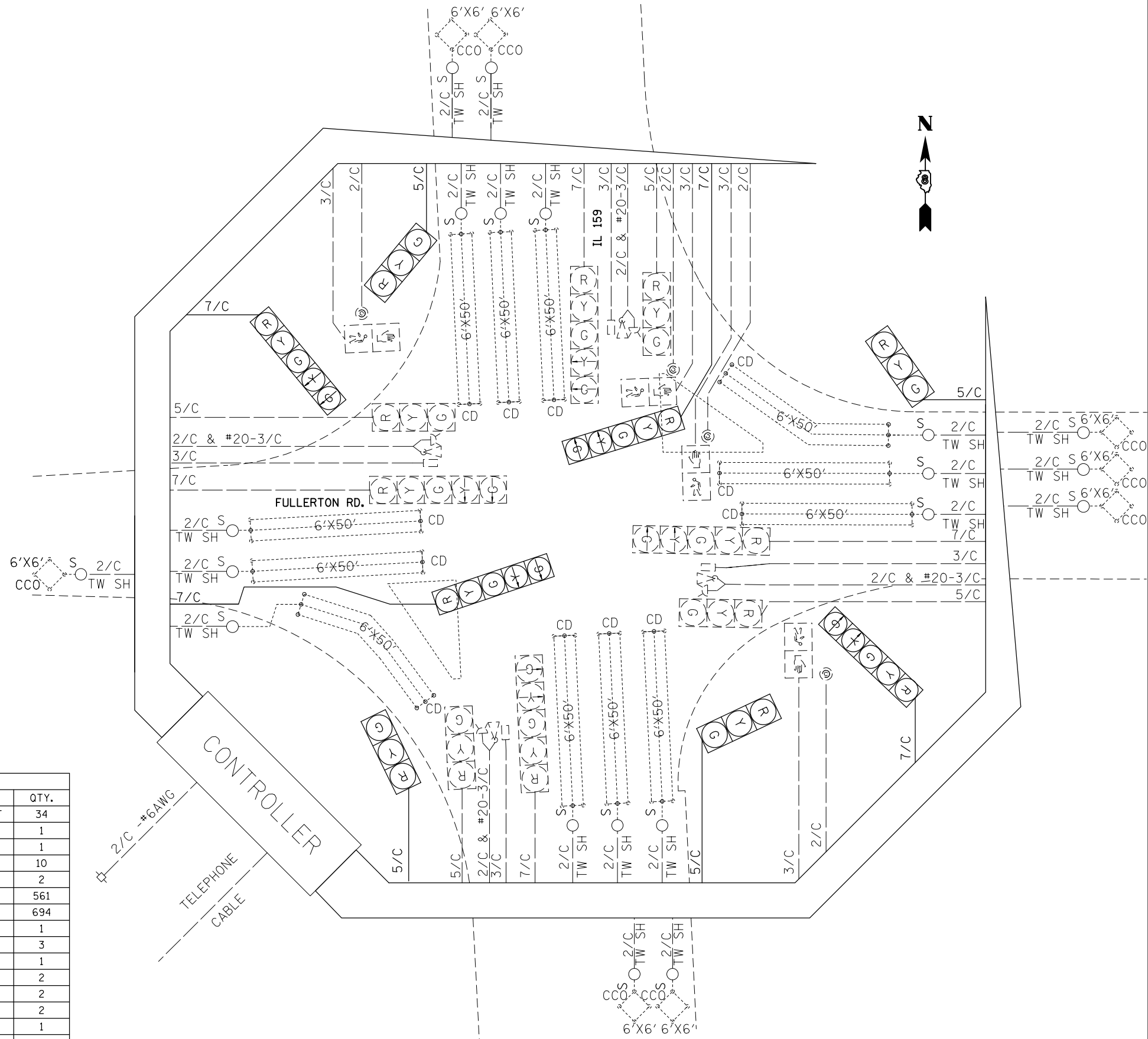


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌋ ⌋ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌋ ⌋ EXISTING (E.V.P.S.) CONFIRMATION BEACON
- ⌋ ⌋ LIGHTED SIGN



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	34
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	10
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	2
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	561
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	694
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	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-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
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	9473
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	34

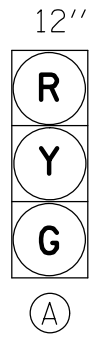
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & FULLERTON (SWANSEA, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

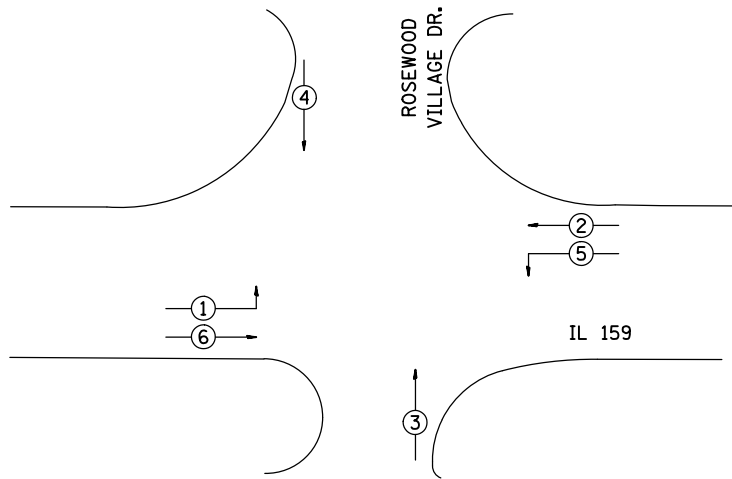
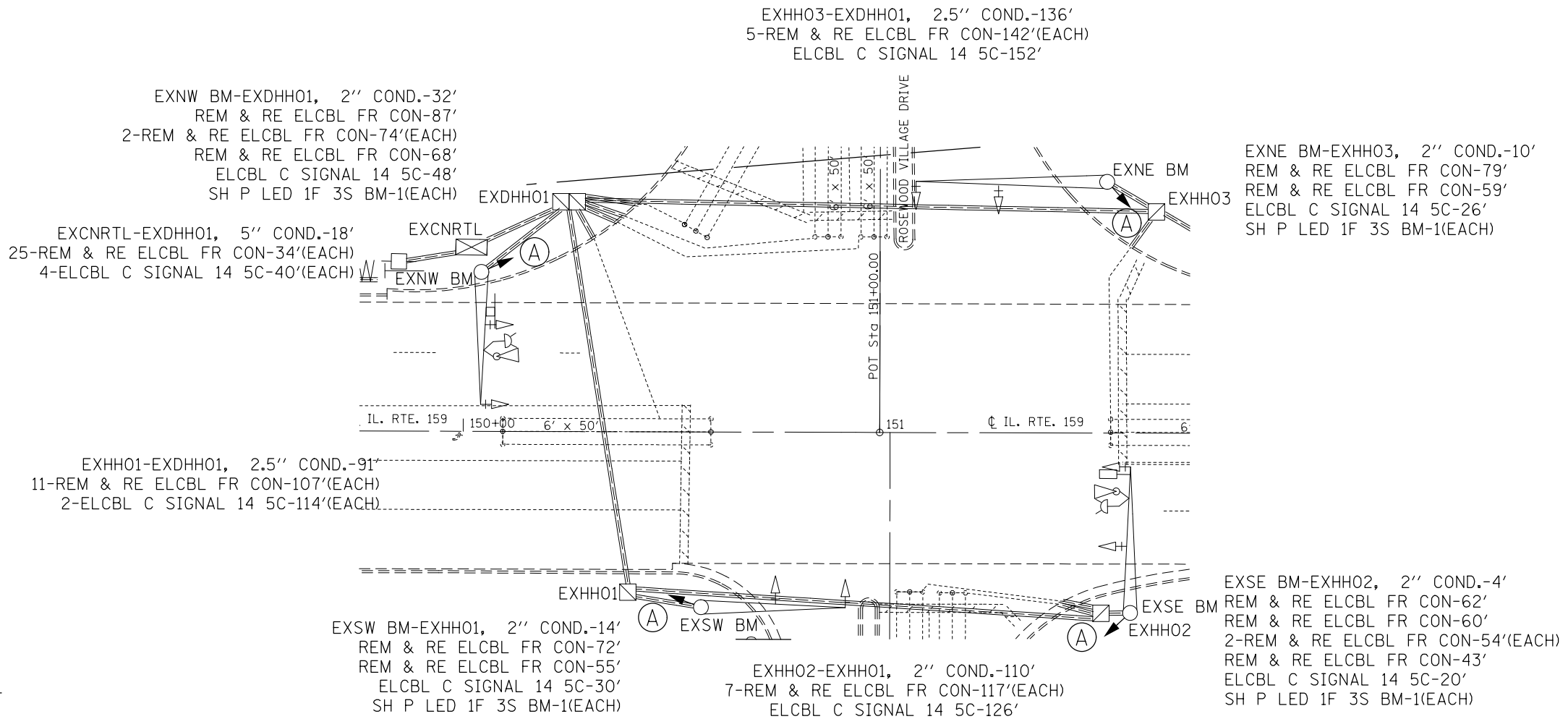
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	108
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

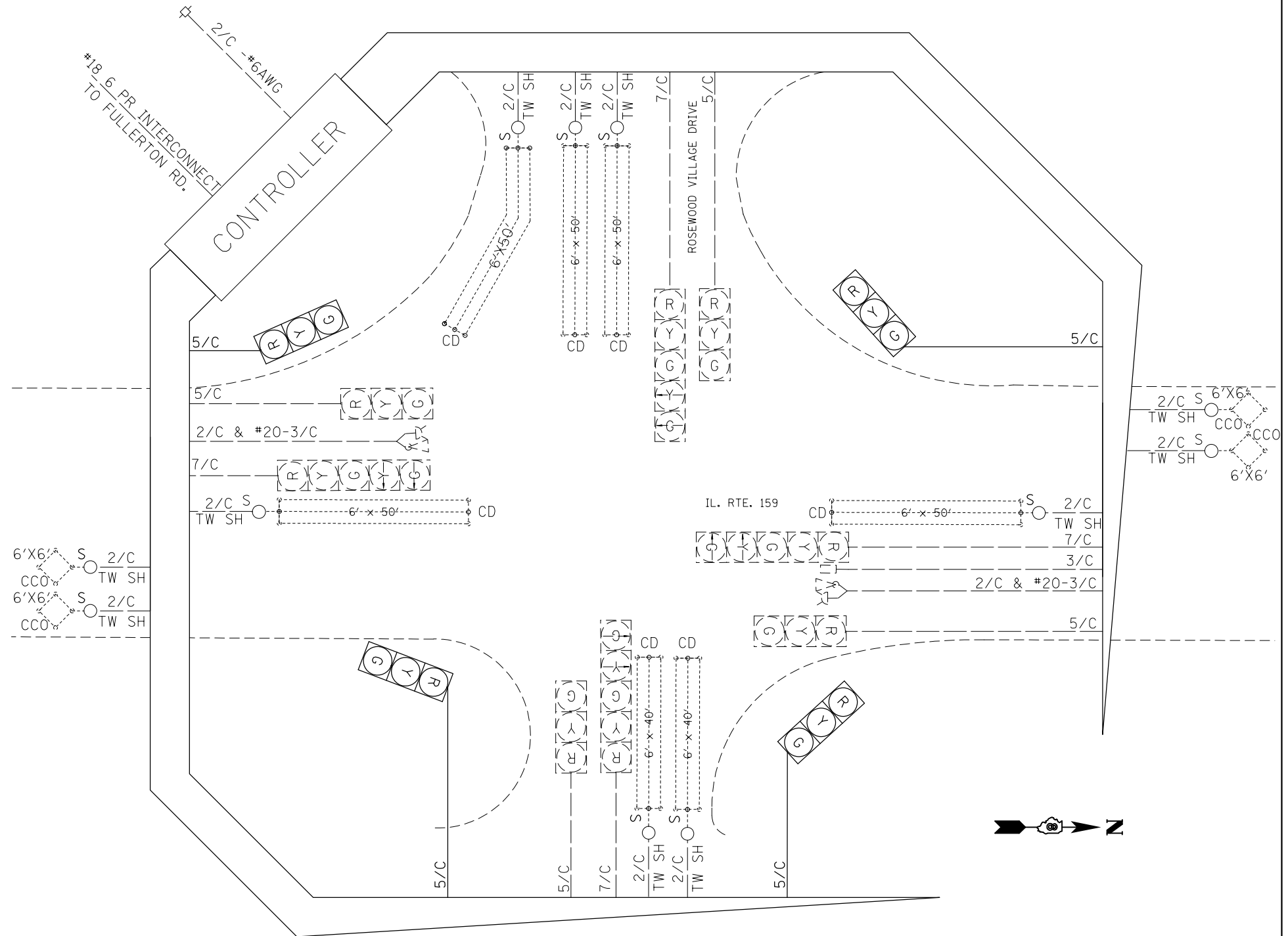
IL 159 & ROSEWOOD VILLAGE (SWANSEA, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	109
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌋ ⌋ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌋ ⌋ EXISTING (E.V.P.S.) CONFIRMATION BEACON
- LIGHTED SIGN



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
Y0102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
8X301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	790
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-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	4397

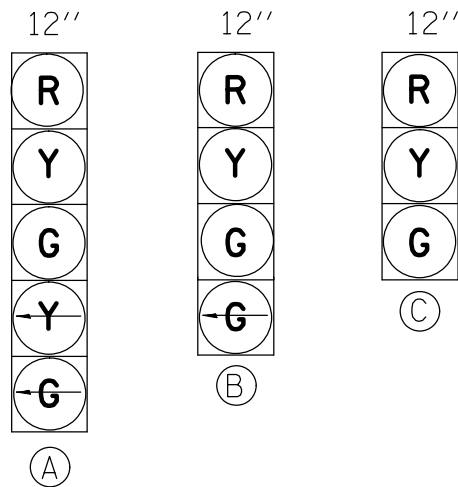
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 159 & ROSEWOOD VILLAGE (SWANSEA, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	110
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

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

EVPS OPERATION TABLE			
CHANNEL A	Ø1 + Ø6	↕	NB LEFT & THRU
CHANNEL B	Ø2 + Ø5	↕	SB LEFT & THRU

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXNW BM-EXHH03, 2.5" COND.-11'
 REM & RE ELCBL FR CON-78'
 REM & RE ELCBL FR CON-52'
 2-REM & RE ELCBL FR CON-47'(EACH)
 REM & RE ELCBL FR CON-27'
 REBUILD EX SIG HEAD-1(EACH)
 ELCBL C SIGNAL 14 7C-27'
 ELCBL C SIGNAL 14 7C-27'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH03-EXDHH01, 3" COND.-73'
 10-REM & RE ELCBL FR CON-79'(EACH)
 ELCBL C SIGNAL 14 5C-89'
 ELCBL C SIGNAL 14 7C-89'

EXCNRTL-EXDHH01, 2-3.5" COND.-1'
 31-REM & RE ELCBL FR CON-17'(EACH)
 4-ELCBL C SIGNAL 14 5C-23'(EACH)
 4-ELCBL C SIGNAL 14 5C-23'(EACH)

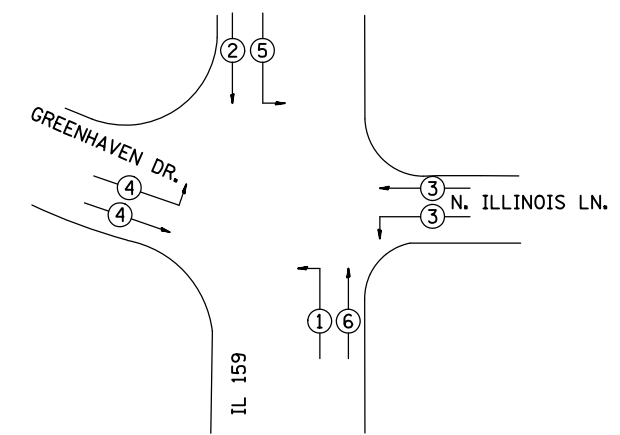
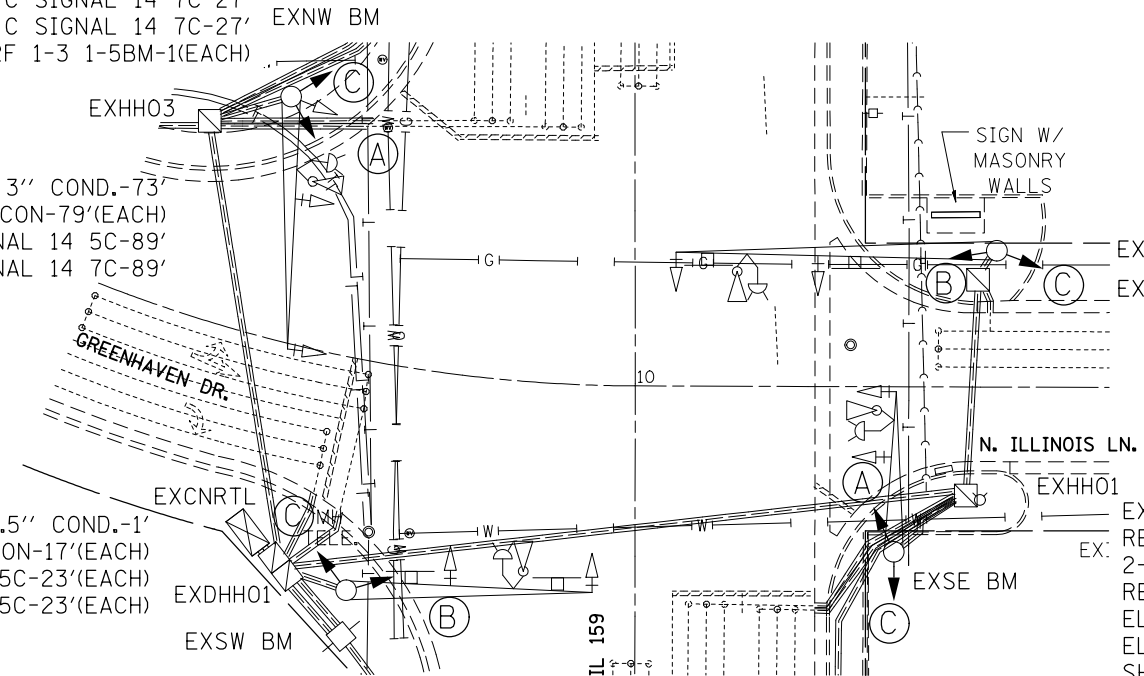
EXSW BM-EXDHH01, 2.5" COND.-7'
 REM & RE ELCBL FR CON-73'
 2-REM & RE ELCBL FR CON-59'(EACH)
 REM & RE ELCBL FR CON-48'
 ELCBL C SIGNAL 14 7C-23'
 ELCBL C SIGNAL 14 7C-23'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXHH01-EXDHH01, 3.5" COND.-116'
 13-REM & RE ELCBL FR CON-132'(EACH)
 2-ELCBL C SIGNAL 14 5C-138'(EACH)
 2-ELCBL C SIGNAL 14 5C-138'(EACH)

EXNE BM-EXHH02, 2.5" COND.-3'
 REM & RE ELCBL FR CON-81'
 2-REM & RE ELCBL FR CON-69'(EACH)
 EXHH02
 REM & RE ELCBL FR CON-57'
 ELCBL C SIGNAL 14 7C-19'
 ELCBL C SIGNAL 14 7C-19'
 SH P LED 2F 1-3 1-4BM-1(EACH)

EXHH01-EXHH02, 3" COND.-34'
 5-REM & RE ELCBL FR CON-41'(EACH)
 ELCBL C SIGNAL 14 5C-50'
 ELCBL C SIGNAL 14 7C-50'

EXSE BM-EXHH01, 2.5" COND.-14'
 REM & RE ELCBL FR CON-64'
 2-REM & RE ELCBL FR CON-59'(EACH)
 REM & RE ELCBL FR CON-53'
 ELCBL C SIGNAL 14 7C-30'
 ELCBL C SIGNAL 14 7C-30'
 SH P LED 2F 1-3 1-5BM-1(EACH)

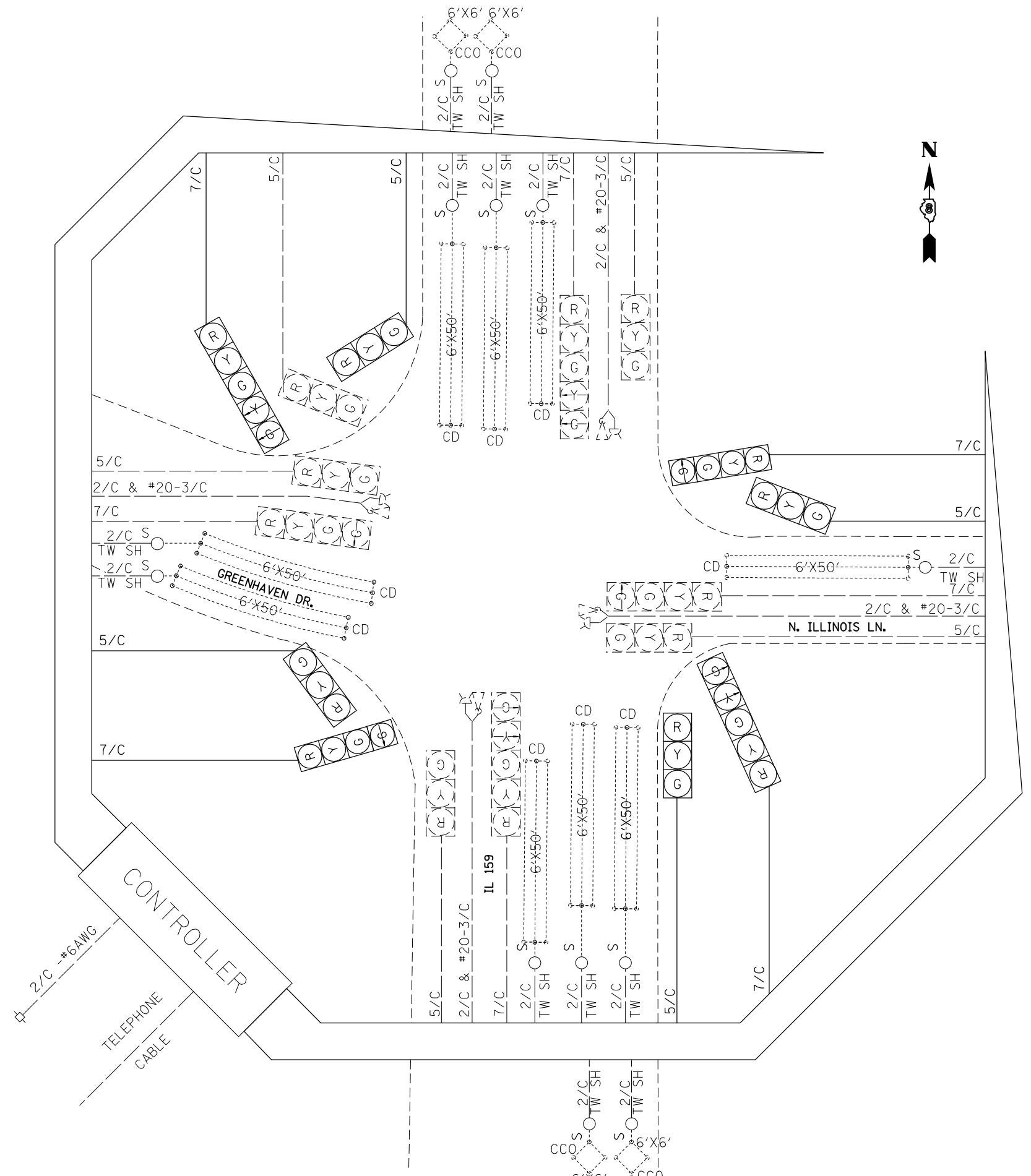


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⌞ ⌞ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⌞ ⌞ EXISTING (E.V.P.S.) CONFIRMATION BEACON



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	606
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	606
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4239

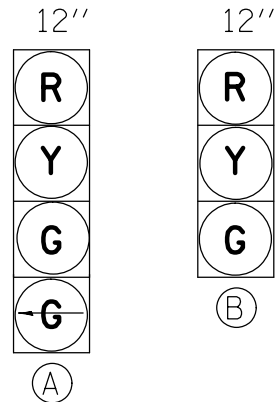
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

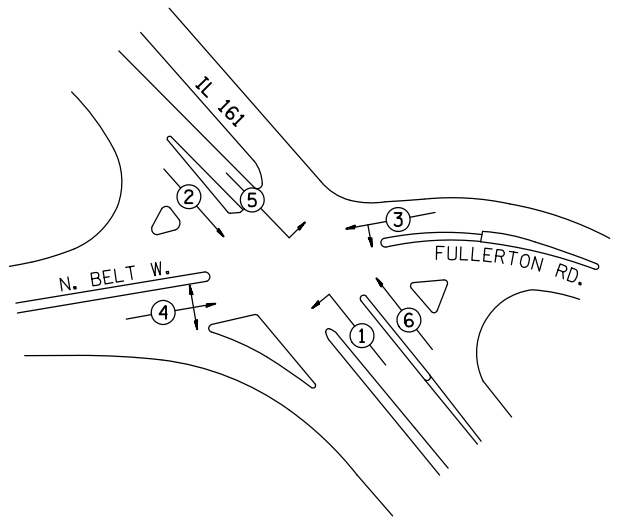
**IL 159 & GREEN HAVEN (SWANSEA, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	112
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TRAFFIC SIGNAL FACES



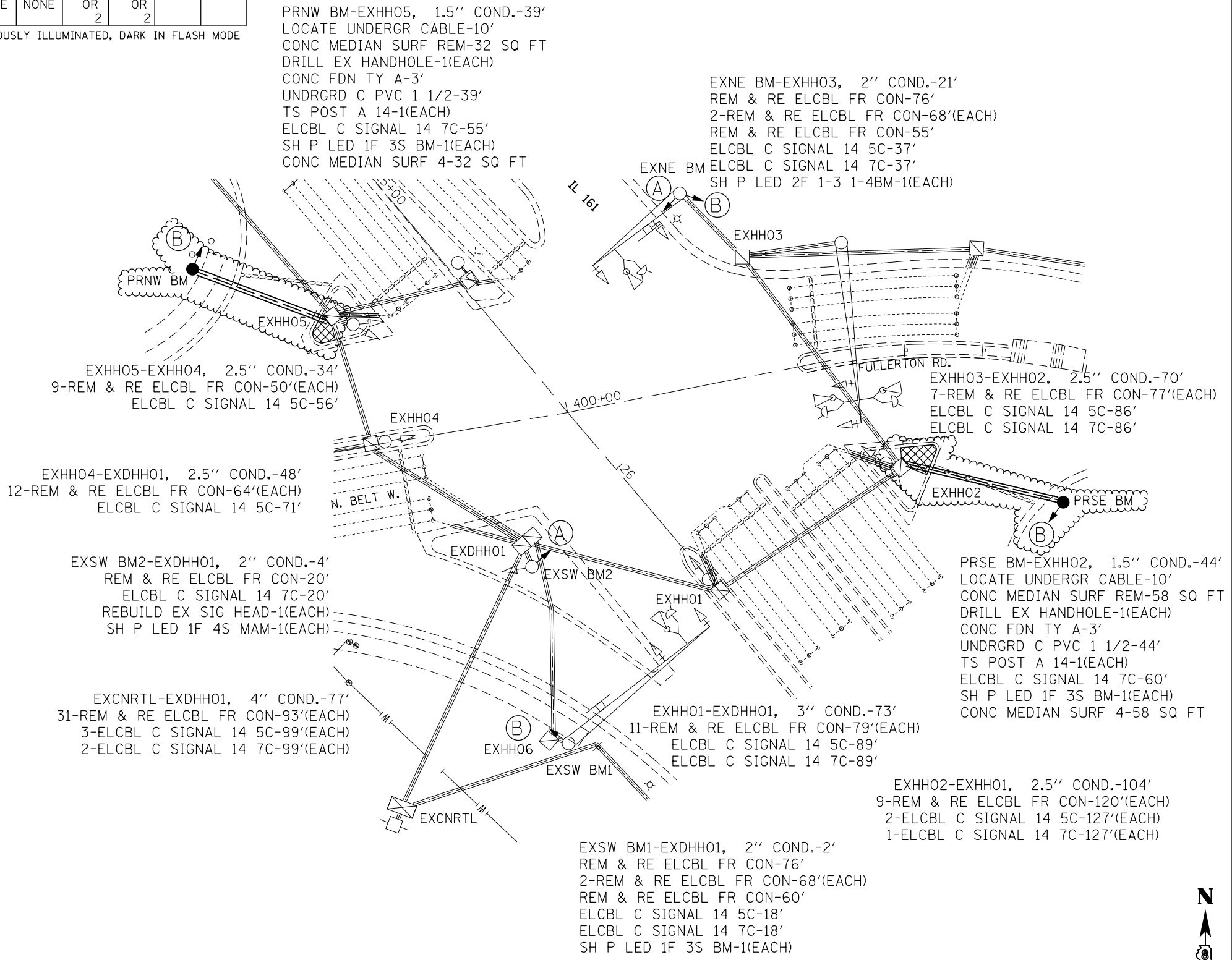
PHASE DESIGNATION DIAGRAM

EXISTING FULL-ACTUATED CONTROLLER

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

• RIGHT TURN ARROW E.B. CONTINUOUSLY ILLUMINATED, DARK IN FLASH MODE

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

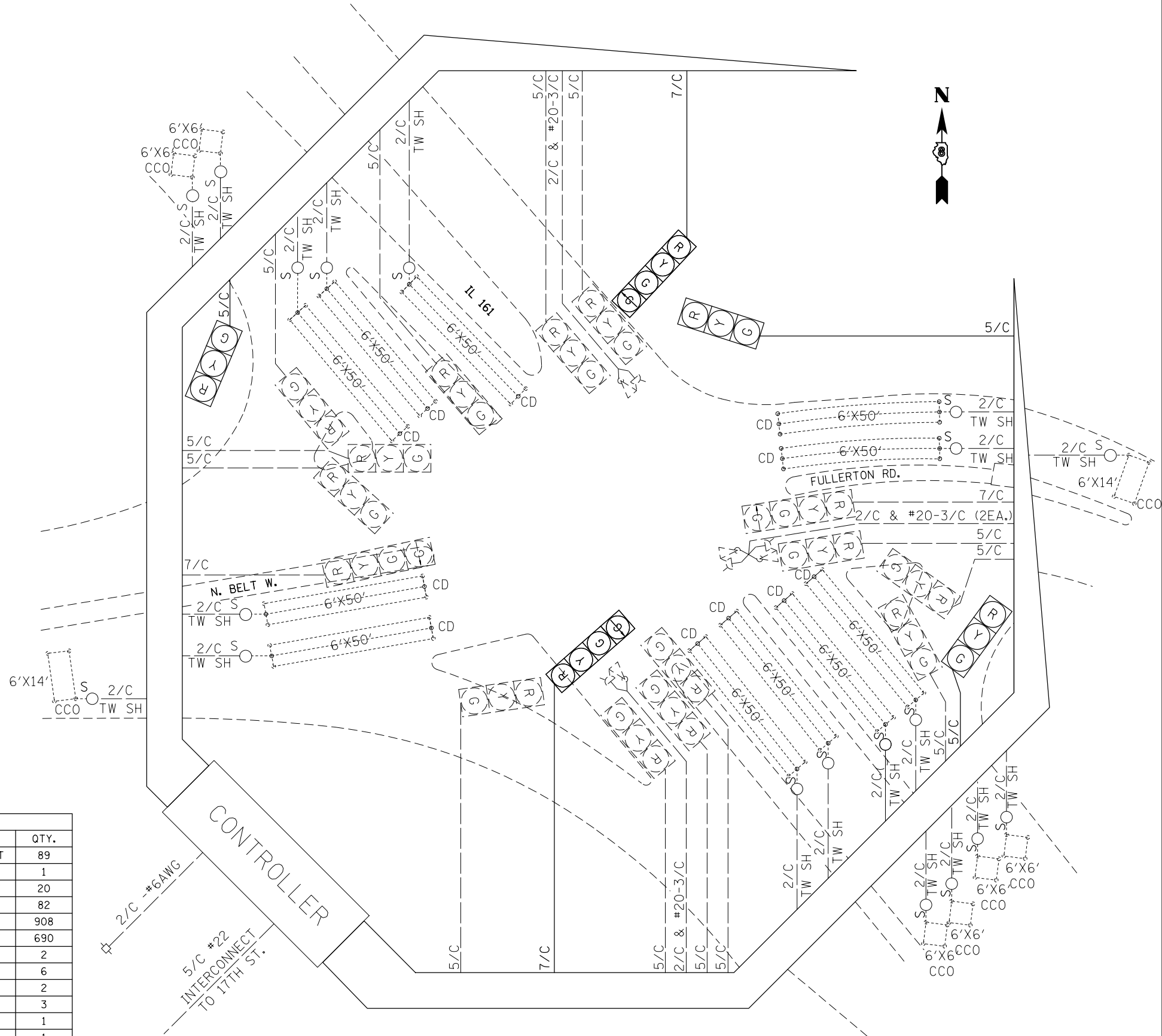
IL 161 & N BELT W (SWANSEA, ST. CLAIR CNTY.)
TRAFFIC SIGNAL PLAN

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	113
• VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- ⚡ EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- ⚡ EXISTING (E.V.P.S.) CONFIRMATION BEACON



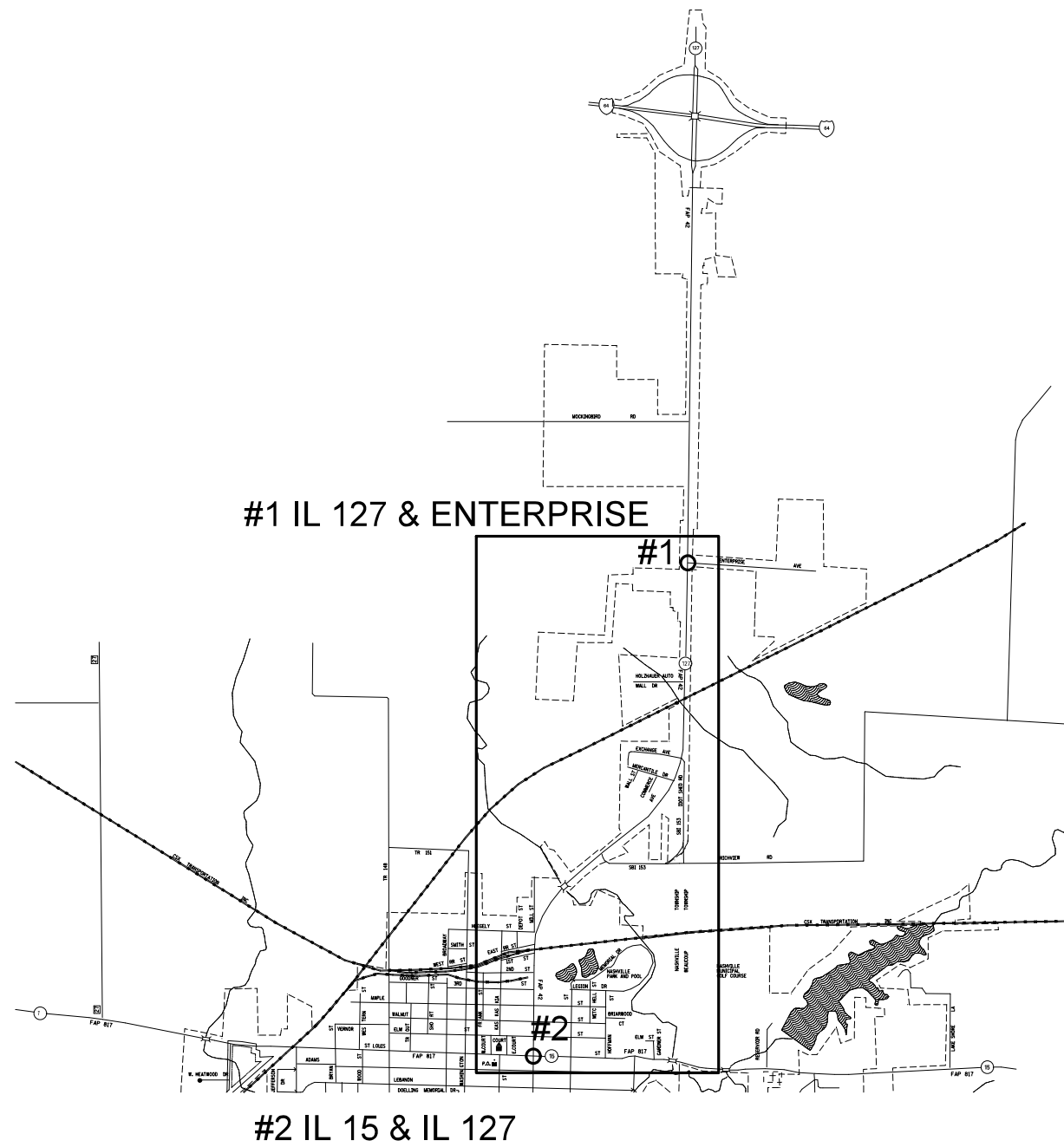
SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	89
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	20
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	82
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	908
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	690
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	2
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-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	7148
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	89

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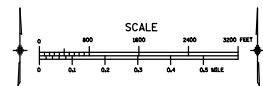
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 161 & N BELT W (SWANSEA, ST. CLAIR CNTY.)
WIRING DIAGRAM**

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	114
• VARIOUS			CONTRACT NO. 76J24	



NASHVILLE

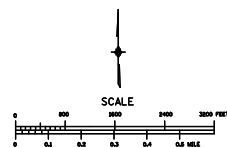
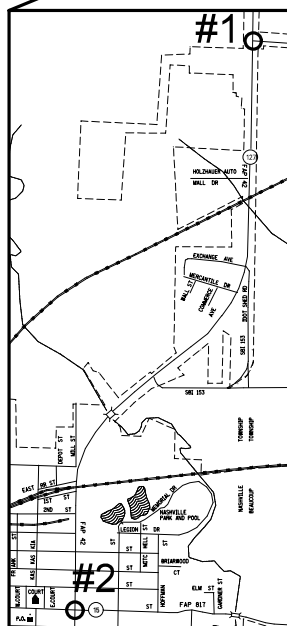


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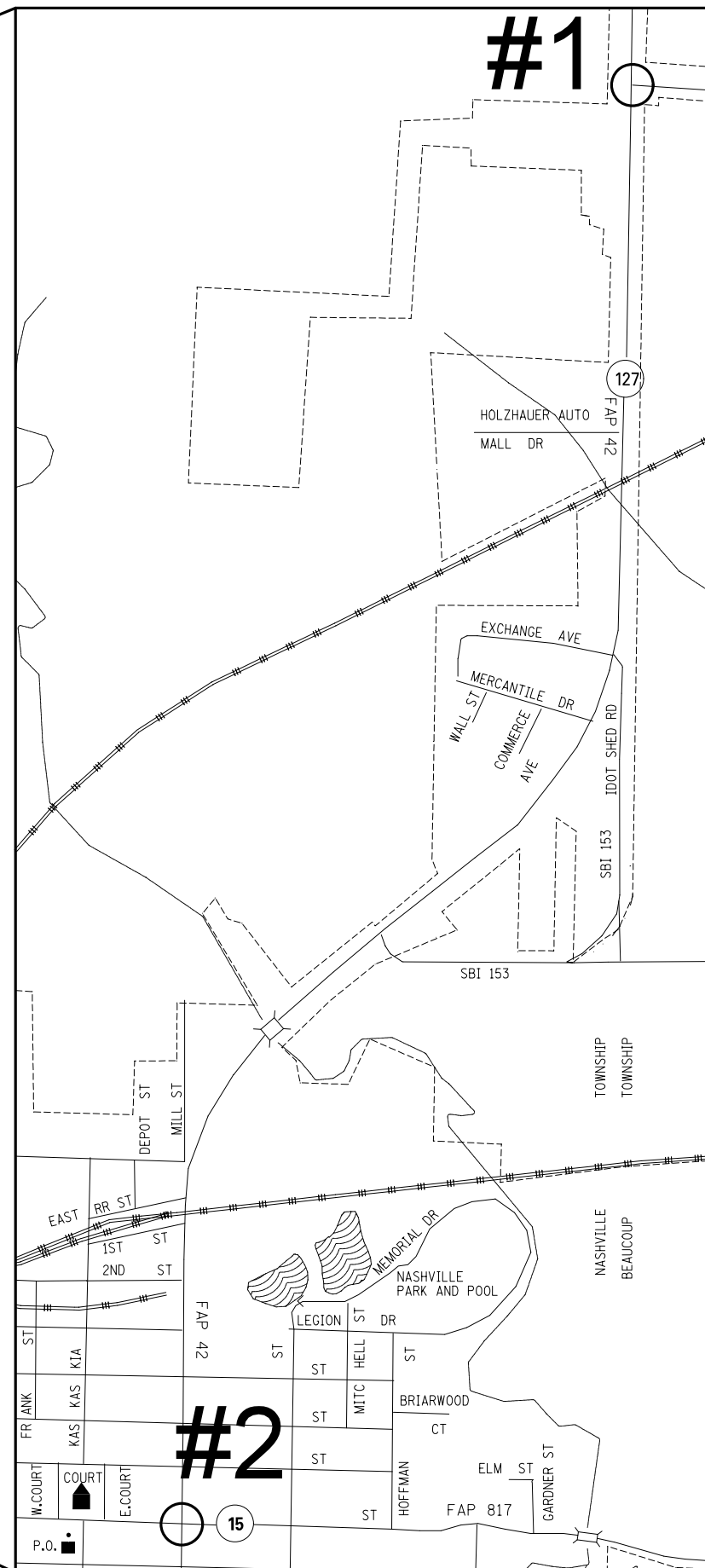
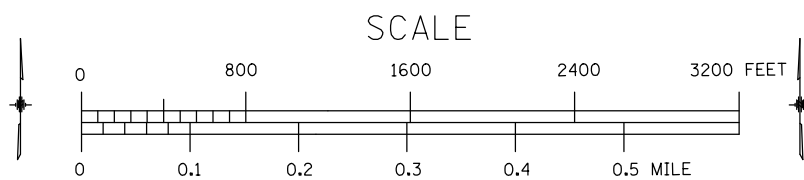
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP			
NASHVILLE, WASHINGTON CNTY.			
1 OF			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	115
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



#1 IL 127 & ENTERPRISE
#2 IL 15 & IL 127



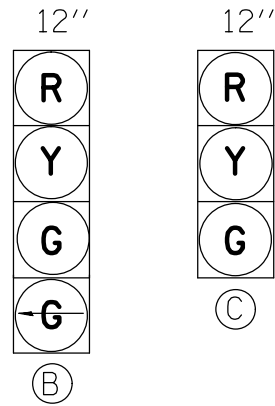
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
NASHVILLE, WASHINGTON CNTY.
1 OF

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	116
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

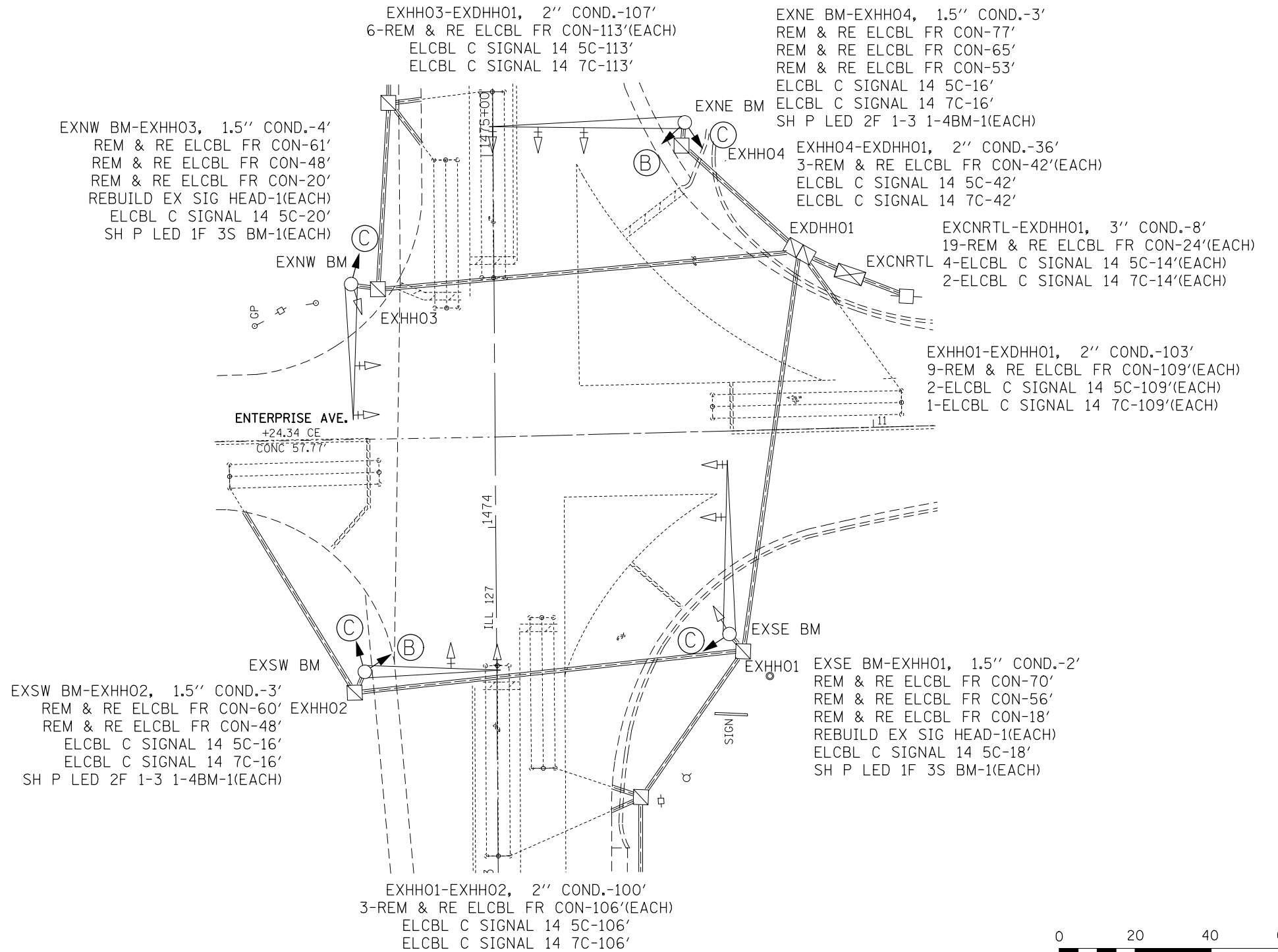
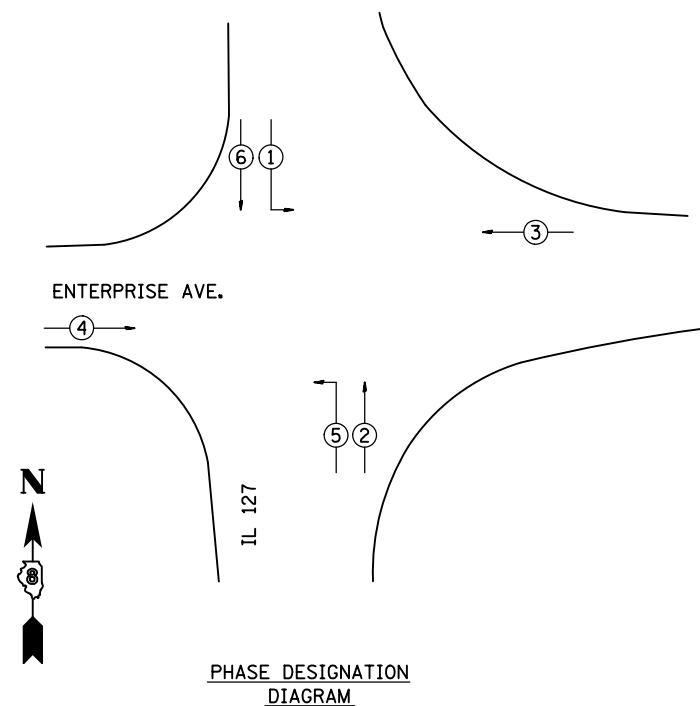


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

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

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



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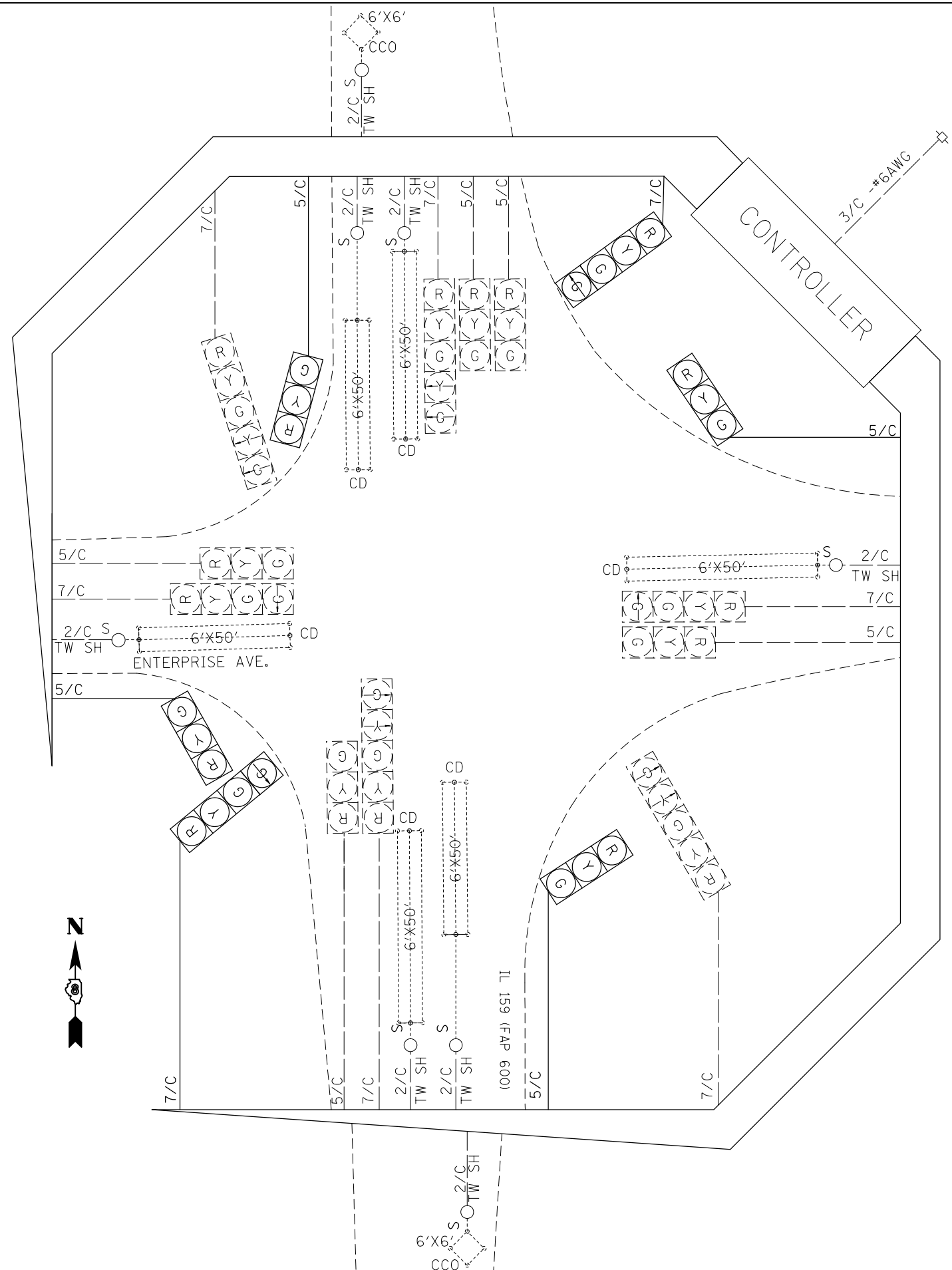
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 127 & ENTERPRISE (NASHVILLE, ST. CLAIR CNTY.) TRAFFIC SIGNAL PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	117
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	605
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	430
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
89502100	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	3135



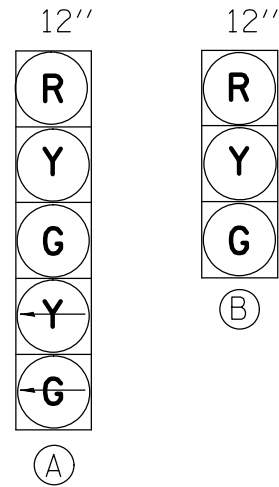
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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 127 & ENTERPRISE (NASHVILLE, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

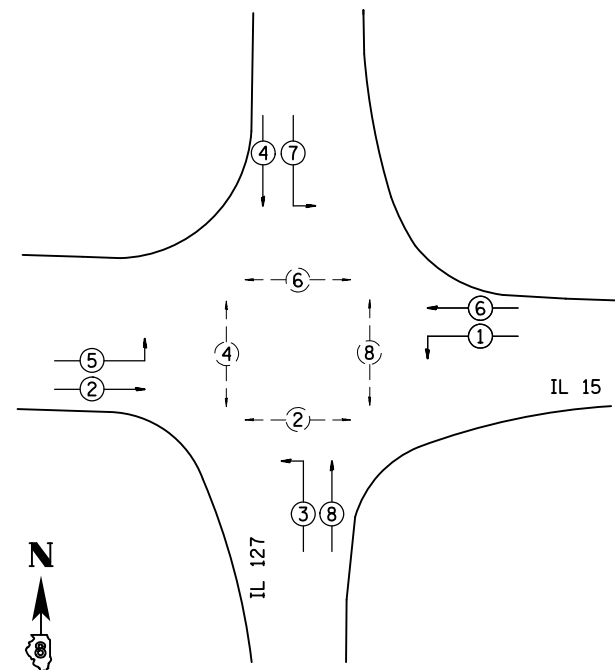
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2018-1	•	120	118
•=VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TRAFFIC SIGNAL FACES

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



PHASE DESIGNATION DIAGRAM

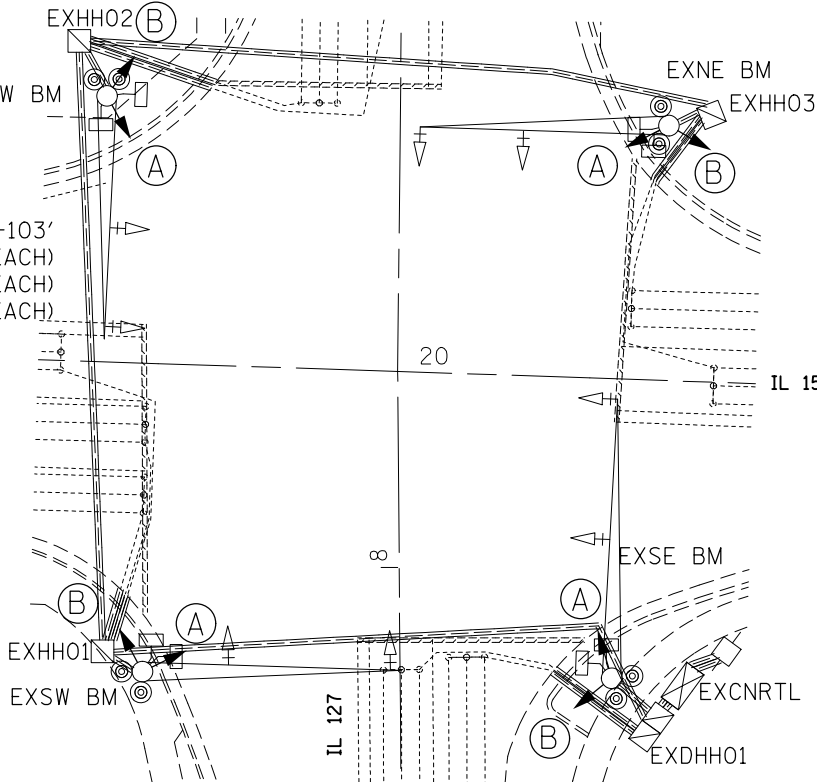
EXNW BM-EXHH02, 2" COND.-7'
 REM & RE ELCBL FR CON-70'
 REM & RE ELCBL FR CON-53'
 REM & RE ELCBL FR CON-23'
 REM & RE ELCBL FR CON-16'
 ELCBL C SIGNAL 14 5C-23'
 ELCBL C SIGNAL 14 7C-23'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH03-EXHH02, 2.5" COND.-108'
 8-REM & RE ELCBL FR CON-115'(EACH)
 ELCBL C SIGNAL 14 5C-115'
 ELCBL C SIGNAL 14 7C-115'

EXNE BM-EXHH03, 2" COND.-4'
 REM & RE ELCBL FR CON-71'
 REM & RE ELCBL FR CON-53'
 REM & RE ELCBL FR CON-20'
 REM & RE ELCBL FR CON-13'
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'
 SH P LED 2F 1-3 1-5BM-1(EACH)

EXHH02-EXHH01, 3.5" COND.-103'
 16-REM & RE ELCBL FR CON-109'(EACH)
 2-ELCBL C SIGNAL 14 5C-109'(EACH)
 2-ELCBL C SIGNAL 14 7C-109'(EACH)

EXSW BM-EXHH01, 2" COND.-4'
 REM & RE ELCBL FR CON-70'
 REM & RE ELCBL FR CON-42'
 REM & RE ELCBL FR CON-20'
 REM & RE ELCBL FR CON-13'
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'
 SH P LED 2F 1-3 1-5BM-1(EACH)



EXCNRTL-EXDHH01, 2-4" COND.-2'
 33-REM & RE ELCBL FR CON-18'(EACH)
 4-ELCBL C SIGNAL 14 5C-8'(EACH)
 4-ELCBL C SIGNAL 14 7C-8'(EACH)

EXHH01-EXDHH01, 4" COND.-103'
 25-REM & RE ELCBL FR CON-109'(EACH)
 3-ELCBL C SIGNAL 14 5C-109'(EACH)
 3-ELCBL C SIGNAL 14 7C-109'(EACH)

EXSE BM-EXDHH01, 2" COND.-7'
 REM & RE ELCBL FR CON-79'
 REM & RE ELCBL FR CON-54'
 REM & RE ELCBL FR CON-23'
 REM & RE ELCBL FR CON-16'
 ELCBL C SIGNAL 14 5C-23'
 ELCBL C SIGNAL 14 7C-23'
 SH P LED 2F 1-3 1-5BM-1(EACH)



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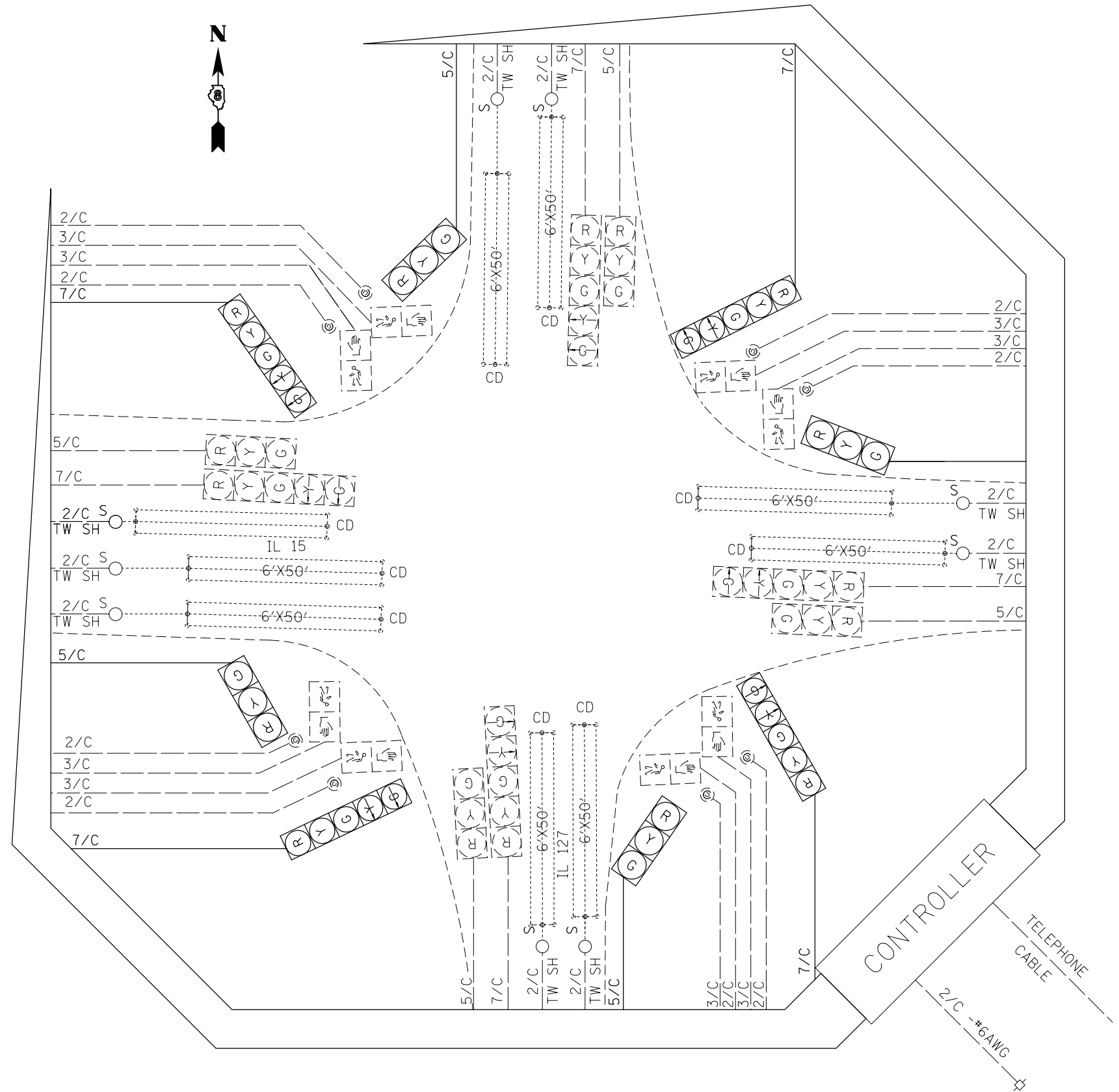
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 15 & IL 127 (NASHVILLE, ST. CLAIR CNTY.)
 TRAFFIC SIGNAL PLAN

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	119
*VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- S ○ CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED SHEILDED
- CD CALL DELAY
- CCO CALL CARRY OVER
- 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	778
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	778
88010260	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	6619

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	PLOT DATE = 8/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 15 & IL 127 (NASHVILLE, ST. CLAIR CNTY.)
WIRING DIAGRAM**

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2018-1	*	120	120
* = VARIOUS			CONTRACT NO. 76J24	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				