

INDEX OF SHEETS

SEE SHEET 2 FOR INDEX OF SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYSPROPOSED
HIGHWAY PLANSVARIOUS ROUTES
D4 ITS 2018

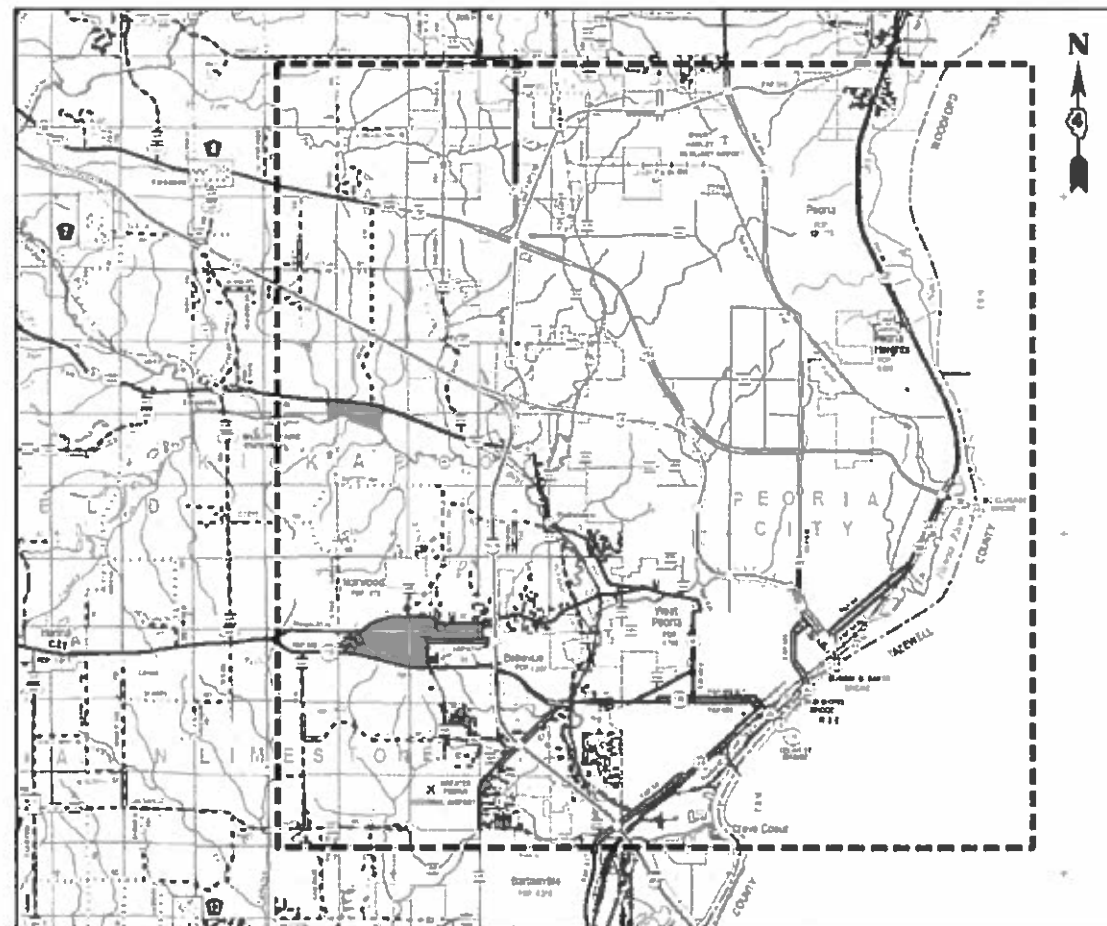
PEORIA COUNTY

C-94-054-18

HIGHWAY STANDARDS

SEE SHEET 2 FOR A LIST OF
APPLICABLE HIGHWAY
STANDARDS

PROJECT DESCRIPTION

INSTALLATION OF NEW CENTRAL
TRAFFIC SIGNAL SYSTEM FOR CITY
OF PEORIA, INSTALLION OF FIBER
OPTIC CABLE, COMMUNICATIONS
EQUIPMENT AND CCTV CAMERAS
AT VARIOUS LOCATIONS IN PEORIA.JULIE
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811PROJECT ENGINEER: ERIC HOWALD (309) 671-4481
PROJECT MANAGER: BEN TELLEFSON (309) 671-4477
CATALOG NO. 035601-00D
CONTRACT NO. 68E20

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D4 ITS 2018	PEORIA	87	1
ILLINOIS CONTRACT NO. 68E20				

D-94-033-18



LOCATION OF SECTION INDICATED THUS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 25, 2018
Ben Tellefson
 REGION THREE ENGINEER
Dec 7, 2018
Eric Howald
 ENGINEER OF DESIGN AND ENVIRONMENT
Dec 7, 2018
Paul C. Chaf
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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FILE NAME = SFILES	USER NAME = SUSERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = SCALES	CHECKED -	REVISED -					VAR.	D4 ITS 2018	PEORIA	87	2
	PLOT DATE = SDATES	DATE -	REVISED -		CONTRACT NO. 68E20							
	SCALE:							STA.	TO STA.	ILLINOIS FED. AID PROJECT		

NO COMMITMENTS HAVE BEEN MADE IN CONJUNCTION WITH THIS PROJECT.

HIGHWAY STANDARDS	
STANDARD	APPLICATION
001006	DECMINAL OF AN INCH AND OF A FOOT
000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN LANE CLOSURE, MULITLANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701502--09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE

FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT.
DOUBLE HANDHOLE: 30.0 FT.
COMMUNICATIONS VAULT: 100.0 FT.
JUNCTION BOX: 10.0 FT.
ITS OR SIGNAL CABINET: 10.0 FT.

CONSTRUCTION NOTES														
1.	THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.													
2.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.													
3.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.													
4.	THE LOCATIONS FOR HANDHOLES, COMMUNICATION VAULTS, CONTROLLER CABINETS, AND CONDUITS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.													
5.	ALL EXISTING IDOT ELECTRIC FACILITIES SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED CONDUIT AND FIBER OPTIC CABLE.													
6.	THE CONTRACTOR SHALL PROVIDE FIBER OPTIC CABLE SLACK IN ACCORDANCE WITH THE TABLE PROVIDED IN THE PLANS.													
7.	ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 871.05 & 871.06.													
8.	POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS.													
9.	REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, AND ISLANDS FOR UTILITY LOCATING PURPOSES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS.													
10.	THERE SHALL BE NO ADDITIONAL SPLICES IN THE FIBER OPTIC CABLE EXCEPT WHERE NOTED IN THE PLANS, OR UPON APPROVAL OF THE TRAFFIC ENGINEER.													
11.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.													
12.	COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.													
13.	NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN THE REQUIRED MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.													
14.	THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.													
15.	PCC HANDHOLES AND COMMUNICATIONS VAULTS SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.													
16.	THE CONTRACTOR SHALL INSTALL A #12 (XLP-TYPE USE OR THHN) TRACER WIRE ALONG WITH THE FIBER OPTIC CABLE FOR LOCATING PURPOSES. THE TRACER WIRE SHALL BE CONTINUOUS AND BE ACCESSIBLE FROM COMMUNICATION VAULTS, HANDHOLES, TRAFFIC SIGNAL CABINETS, AND CCTV CABINETS. THE COST OF FURNISHING AND INSTALLING THE TRACER WIRE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE PAY ITEM "FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE."													
17.	ALL COMMUNICATION DUCT SHALL BE INSTALLED AND PAID FOR IN ACCORDANCE WITH SECTION 810 "UNDERGROUND RACEWAYS" OF THE STANDARD SPECIFICATIONS.													
18.	THE LOCATION OF THE PROPOSED CONDUIT AS SHOWN ON THE PLAN SHEETS IS APPROXIMATE AND NOT DRAWN TO SCALE. CONDUIT INSTALLED ALONG ROADWAYS SHALL BE LOCATED A MAXIMUM OF 10 FT. FROM THE EDGE OF THE R.O.W. UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER. THE CONDUIT SHALL BE INSTALLED AT A 24" MINIMUM DEPTH EXCEPT WHEN CROSSING WATERWAYS AND DRAINAGE FLOW LINES WHERE IT SHALL BE INSTALLED AT A 60" DEPTH.													
19.	THE DEPARTMENT AND THE CITY OF PEORIA PROGRAM THE TRAFFIC SIGNAL CONTROLLERS PRIOR TO INSTALLATION IN THE FIELD.													
20.	PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.													
21.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING FIELD TILE, UNDERDRAIN, AND DRAINAGE STRUCTURES. THE CONTRACTOR SHALL MAKE AN EFFORT TO MINIMIZE DAMAGE TO THESE FACILITIES DURING THE INSTALLATION OF CONDUIT AND COMMUNICATION VAULTS. IN THE EVENT THAT THESE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING REPAIRS TO THESE ITEMS AND RESTORING FUNCTIONALITY TO THE SATISFACTION OF THE ENGINEER.													
22.	THE CONTRACTOR SHALL PLAN AND CONDUCT CONDUIT AND FIBER INSTALLATION OPERATIONS TO MINIMIZE THE NUMBER OF ROAD LANE CLOSURES AND TO MINIMIZE TRAFFIC DISRUPTIONS AND DELAYS FOR THE MOTORING PUBLIC.													
23.	THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR INSTALLING COMMUNICATIONS DUCT AND COMMUNICATION VAULTS UNDER AND ALONG STATE, COUNTY AND TOWNSHIP ROADWAYS.													
24.	THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY INVESTIGATE EXISTING FIELD CONDITIONS.													
25.	ALL CAMERAS SHALL BE INSTALLED AT A MINIMUM MOUNTING HEIGHT OF 43 FT.													
26.	THE TRAFFIC SIGNAL CONTROLLER AND CABINET SHALL BE ORIENTATED SO THAT THE DOOR IS FACING AWAY FROM TRAFFIC.													
27.	THE CONTRACTOR SHALL RESTORE DISTURBED AREAS BY GRADING AND SEEDING. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED CONDUIT.													
28.	ALL TERMINATED FIBERS SHALL BE Laterally Spliced Inside Communication Vaults and Handholes. All unused fibers and buffer tubes shall remain intact for future use.													
29.	THE CONTRACTOR SHALL REMOVE EXISTING COMMUNICATIONS PEDESTALS AND DISPOSE OF THEM OFF-SITE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR THE PAY ITEM "HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)"													
30.	THE CONTRACTOR SHALL COUPLE THE EXISTING CONDUIT TO THE PROPOSED CONDUIT AND MODIFY THE EXISTING CONDUIT AS REQUIRED FOR FACILITATE INSTALLATION INTO THE PROPOSED COMMUNICATIONS VAULTA NAD HANDHOLES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT.													
31.	THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE FROM THE EXISTING CONDUITS WHEN INSTALLING THE PROPOSED FIBER OPTIC CABLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED FIBER OPTIC CABLE.													
32.	REMOVAL OF EXISTING TRAFFIC SIGNAL COMPONENTS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE PROPOSED ITEMS.													
33.	THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL CABINETS AND PERIPHERAL EQUIPMENT FROM THE INTERSECTIONS LOCATED IN THE CITY OF PEORIA AND DELIVER THEM TO THE PEORIA PUBLIC WORKS BUILDING LOCATED AT 3200 N. DRIES LN., PEORIA. THE CONTRACTOR SHALL NOTIFY IRV LEBLANC AT (309) 303-7440 FORTY-EIGHT HOURS IN ADVANCE OF EQUIPMENT DELIVERY.													
34.	THE CONTRACTOR SHALL REMOVE EXISTING PHOTOCCELL RELAYS, DIN RAIL MOUNTED COMMUNICATIONS EQUIPMENT, TRAFFIC SIGNAL INTERCONNECT EQUIPMENT, EVP EQUIPMENT, AND FIBER OPTIC ENCLOSURES FROM EXISTING TRAFFIC SIGNAL CONTROLLER CABINETS AND INSTALL THE EQUIPMENT IN THE PROPOSED CONTROLLER CABINETS AT EACH LOCATION. THIS WORK SHALL BE INCLUDED IN THE PAY ITEMS FOR THE PROPOSED TRAFFIC SIGNAL CABINETS.													
35.	THE CONTRACTOR SHALL REMOVE EXISTING BATTERY BACKUP SYSTEM CABINETS AND COMPONENTS FROM EXISTING TRAFFIC SIGNAL CONTROLLER CABINETS AND INSTALL THEM IN THE PROPOSED CONTROLLER CABINETS AT EACH LOCATION. THIS WORK SHALL BE INCLUDED IN THE PAY ITEMS FOR THE PROPOSED TRAFFIC SIGNAL CABINETS.													
36.	THE CONTRACTOR WILL BE ALLOWED TO PLACE THE INTERSECTION INTO ALL-RED FLASH MODE AND ALL-WAY STOP CONTROL ONLY DURING THE HOURS SPECIFIED ABOVE TO INSTALL TRAFFIC SIGNAL CABINETS.													
37.	THE CONTRACTOR SHALL FURNISH AND INSTALL A MINIMUM OF TWO STOP SIGNS PER APPROACH WHEN THE INTERSECTION IS OPERATING IN ALL-RED FLASH MODE OR ALL-WAY STOP CONTROL (FOR TIME PERIODS IN EXCESS OF FIFTEEN MINUTES). THE STOP SIGNS SHALL BE DISPLAYED IN ACCORDANCE WITH ALL APPLICABLE MUTCD REQUIREMENTS. ALL COSTS (LABOR, MATERIALS, AND EQUIPMENT) ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE PROPOSED TRAFFIC SIGNAL CABINETS. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.													
FILE NAME = \$FILES\$		USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION NOTES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			DRAWN -	REVISED -					VAR.	D4 ITS 2018	PEORIA	87	4	
		PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -		SCALE:				STA.	TO STA.	CONTRACT NO. 68E20		
		PLOT DATE = \$DATES\$	DATE -	REVISED -								ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES				PEORIA COUNTY					
				CONST. TYPE CODE 0021 100% STATE 0% PEORIA SIGNALS URBAN	CONST. TYPE CODE 0021 95% STATE 5% PEORIA SIGNALS URBAN	CONST. TYPE CODE 0021 93.3% STATE 6.7% PEORIA SIGNALS URBAN	CONST. TYPE CODE 0021 90% STATE 10% PEORIA SIGNALS URBAN	CONST. TYPE CODE 0021 85% STATE 15% PEORIA SIGNALS URBAN	CONST. TYPE CODE 0021 80% STATE 20% PEORIA SIGNALS URBAN
ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.						
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	68.0						68.0
44000600	SIDEWALK REMOVAL	SQ FT	80.0						80.0
67100100	MOBILIZATION	L SUM	1.0	0.24	0.02	0.04	0.24		0.46
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1545.0						1545.0
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0						1.0
87900200	DRILL EXISTING HANDHOLE	EACH	2.0						2.0
88500100	INDUCTIVE LOOP DETECTOR	EACH	2.0				2.0		
X0320024	ETHERNET MANAGE SWITCH	EACH	29.0	7.0	1.0	1.0	10.0		10.0
X0326248	ATMS SOFTWARE (CORE MODULE)	L SUM	1.0	0.24	0.02	0.04	0.24		0.46
X0326258	NETWORK SECURITY APPLIANCE	EACH	1.0	1.0					
X0326263	EQUIPMENT CABINET	EACH	1.0	1.0					
X0326266	ETHERNET SWITCH	EACH	73.0	6.0	2.0	3.0	10.0	1.0	51.0
X0326812	CAT 5 ETHERNET CABLE	FOOT	470.5						470.5
X0326905	CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	5.0						5.0
X0327206	DATA SERVER	L SUM	1.0	1.0					
X0327606	FIBER OPTIC SPLICE-LATERAL	EACH	5.0			2.0	2.0		1.0
X0327741	ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY)	EACH	1.0	1.0					
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.24	0.02	0.04	0.24		0.46
X8140225	HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)	EACH	6.0						6.0
X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	128.0	18.0	6.0	4.0	31.0	1.0	68.0
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	3.0	1.0			2.0		
X8710030	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	41508.5	701.0		160.5	193.0		40454.0
X8710050	FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	133.0	22.0	4.0	8.0	42.0		57.0
Z0033052	COMMUNICATIONS VAULT	EACH	19.0						19.0

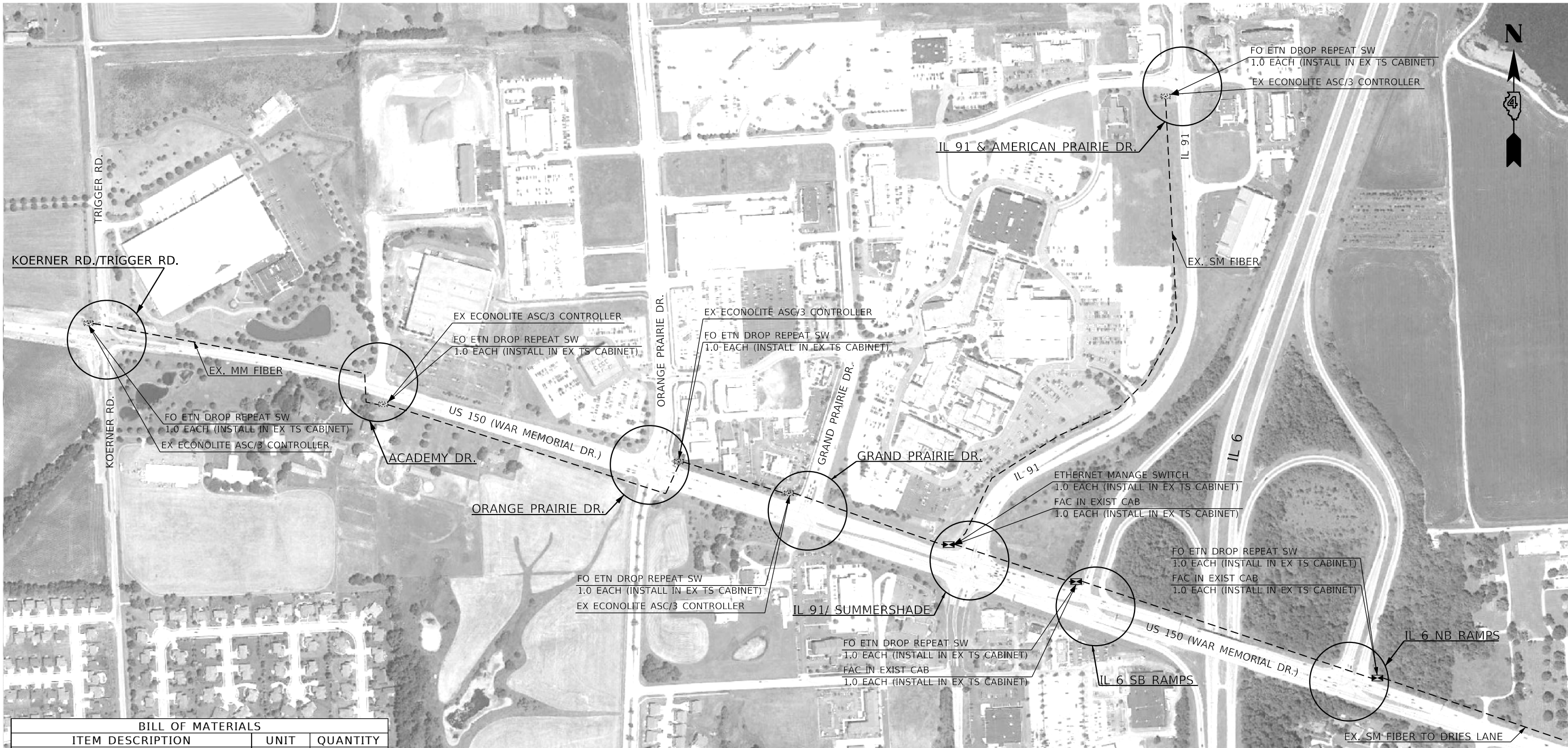
LOCATION	CODE	42400100	44000600	81028350	81400700	87900200	88500100	X0320024	X0326266	X0326812	X0326905	X0327606	X0327741	X8140225	X8570215	X8570226	X8710030	X8710050	Z0033052		
	ITEM DESCRIPTION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SIDEWALK REMOVAL	UNDERGROUND CONDUIT, PVC, 2" DIA.	HANDHOLE, PORTLAND CEMENT CONCRETE	DRILL EXISTING HANDHOLE	INDUCTIVE LOOP DETECTOR	ETHERNET MANAGE SWITCH	ETHERNET SWITCH	CAT 5 ETHERNET CABLE	CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	FIBER OPTIC SPLICE-LATERAL	ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY)	HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	COMMUNICATIONS VAULT		
	UNIT	SQ FT	SQ FT	FOOT	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	EACH		
	TOTAL QTY.	68.0	80.0	1545.0	1.0	2.0	2.0	2.0	29.0	73.0	470.5	5.0	5.0	1.0	6.0	128.0	3.0	41508.5	133.0	19.0	
ADAMS ST. & EDMUND ST.									1.0						1.0						
ADAMS ST. & FULTON ST.									1.0						1.0						
ADAMS ST. & GARDEN ST.									1.0						1.0						
ADAMS ST. & GRISWOLD ST.															1.0			1.0			
ADAMS ST. & HAMILTON BLVD.															1.0			1.0			
ADAMS ST. & HARRISON ST.									1.0						1.0						
ADAMS ST. & LIBERTY ST.									1.0						1.0						
ADAMS ST. & LIGONIER ST. / NEVADA ST.															1.0			1.0			
ADAMS ST. & LINCOLN AVE.									1.0						1.0						
ADAMS ST. & MAIN ST.									1.0						1.0						
ADAMS ST. & OAK ST.									1.0						1.0			1.0			
ADAMS ST. & STATE ST.															1.0			1.0			
ADAMS ST. & UNMARKED (FAYETTE ST.)															1.0			1.0			
ADAMS ST. & WASHINGTON ST. / KRAUSE AVE.								1.0	1.0						1.0						
ADAMS ST. / I-74 WB EXIT RAMP & UNMARKED (SPALDING AVE.)															1.0			1.0			
AIRPORT RD. & GARFIELD AVE.									1.0						1.0						
AIRPORT RD. & I-474 EB RAMPS / DIRKSEN PARKWAY																					
AIRPORT RD. & PFEIFFER RD.									1.0												
AIRPORT RD. & SMITHVILLE RD. (NORTH)									1.0						1.0						
AIRPORT RD. & SMITHVILLE RD. (SOUTH)									1.0						1.0						
ALLEN RD. & CARRIAGE LN.																		1.0			
ALLEN RD. & IL 6 NB RAMPS																		1.0			
ALLEN RD. & IL 6 SB RAMPS																		1.0			
ALLEN RD. & NORTHMOOR RD.								1.0													
ALLEN RD. & PIONEER PARKWAY								1.0							1.0						
ALLEN RD. & TOWNLINE RD.															1.0			1.0			
ALLEN RD. & VAN WINKLE WAY																		1.0			
ALLEN RD. & WALTON WAY															1.0			1.0			
ALLEN RD. & WILHELM RD																		1.0			
ALLEN RD. & WILLOW KNOLLS DR.																		1.0			
BIG HOLLOW RD. & CHARTER OAK RD.															1.0			1.0			
BIG HOLLOW RD. & GLEN HOLLOW RD.									1.0						1.0						
FARMINGTON RD. & SOUTHPORT RD.									1.0						1.0						
FORREST HILL & DRIES LN.								1.0							1.0						
FORREST HILL & GALE AVE.								1.0													
GALE AVE. & I-74 EB RAMPS															1.0			1.0			
GALE AVE. & I-74 WB RAMPS															1.0			1.0			
GLEN AVE. & DAWN ST.															1.0			1.0			
GLEN AVE. & GLEN PARK PL.															1.0			1.0			
GLEN AVE. & ISABELL AVE.									1.0						1.0						
GLEN AVE. FIBER OPTIC																	3603.0		3.0		
GLENDALE AVE. & HAMILTON BLVD.															1.0			1.0			
HAMILTON BLVD. & WASHINGTON ST.									1.0						1.0						
IL 116 & MAXWELL RD. / PLANK RD.															1.0						
IL 116 (HARMON HIGHWAY) & AIRPORT RD.																					
IL 116 (LINCOLN AVE.) & LARAMIE ST.															1.0						
IL 29 (ADAMS ST.) & ALEXANDER AVE.									1.0						1.0						
IL 29 (ADAMS ST.) & BRYAN AVE. / EATON ST.									1.0						1.0			1.0			
IL 29 (ADAMS ST.) & LORENTZ AVE.									1.0												
IL 29 (ADAMS ST.) & SLOAN ST.									1.0						1.0						
IL 29 (ADAMS ST.) & SPRING ST.									1.0						1.0						
IL 29 (ADAMS ST.) & US 150 EB RAMPS									1.0						1.0						
IL 29 (ADAMS ST.) & US 150 WB RAMPS								1.0	1.0												
IL 29 (JEFFERSON ST.) & ABINGTON ST.									1.0						1.0						
IL 29 (JEFFERSON ST.) & BRYAN AVE.															1.0			1.0			
IL 29 (JEFFERSON ST.) & SPRING ST.									1.0						1.0						
IL 40 (FAYETTE ST./ KNOXVILLE AVE.) & GLEN OAK AVE.															1.0			1.0			
IL 40 (KNOXVILLE AVE.) & ALTA RD. / FRONTAGE RD.																		1.0			
IL 40 (KNOXVILLE AVE.) & BETHANY WAY																		1.0			
IL 40 (KNOXVILLE AVE.) & BIRD BLVD. / FRYE RD.																		1.0			
IL 40 (KNOXVILLE AVE.) & CEDAR HILLS DR.																		1.0			
IL 40 (KNOXVILLE AVE.) & DETWEILLER DR.																		1.0			
IL 40 (KNOXVILLE AVE.) & FORREST HILL AVE.																		1.0			
IL 40 (KNOXVILLE AVE.) & GILES LN. / SHERIDAN RD.																		1.0			
IL 40 (KNOXVILLE AVE.) & GLEN AVE.																		1.0			
FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						SCHEDULE OF QUANTITIES						F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -													VAR.	D4 ITS 2018	PEORIA	87	6	
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -													CONTRACT NO. 68E20					
	PLOT DATE = \$DATES	DATE -	REVISED -													ILLINOIS FED. AID PROJECT					
										SCALE:				STA.	TO STA.						

LOCATION	CODE	42400100	44000600	81028350	81400700	87900200	88500100	X0320024	X0326266	X0326812	X0326905	X0327606	X0327741	X8140225	X8570215	X8570226	X8710030	X8710050	Z0033052
	ITEM DESCRIPTION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SIDEWALK REMOVAL	UNDERGROUND CONDUIT, PVC, 2" DIA.	HANDHOLE, PORTLAND CEMENT CONCRETE	DRILL EXISTING HANDHOLE	INDUCTIVE LOOP DETECTOR	ETHERNET MANAGE SWITCH	ETHERNET SWITCH	CAT 5 ETHERNET CABLE	CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	FIBER OPTIC SPLICE-LATERAL	ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY)	HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	COMMUNICATIONS VAULT
	UNIT	SQ FT	SQ FT	FOOT	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	EACH
	TOTAL QTY.	68.0	80.0	1545.0	1.0	2.0	2.0	29.0	73.0	470.5	5.0	5.0	1.0	6.0	128.0	3.0	41508.5	133.0	19.0
IL 40 (KNOXVILLE AVE.) & HICKORY GROVE RD.																		1.0	
IL 40 (KNOXVILLE AVE.) & IL 6 NB RAMPS																		1.0	
IL 40 (KNOXVILLE AVE.) & JUNCTION CITY ENTRANCE / DONOVAN PARK																		1.0	
IL 40 (KNOXVILLE AVE.) & LAKE AVE.																		1.0	
IL 40 (KNOXVILLE AVE.) & LINDBERGH DR.																		1.0	
IL 40 (KNOXVILLE AVE.) & LYNDALE RD.																		1.0	
IL 40 (KNOXVILLE AVE.) & MCCLURE AVE.																		1.0	
IL 40 (KNOXVILLE AVE.) & MOSSVILLE RD. / WILHELM RD.																		1.0	
IL 40 (KNOXVILLE AVE.) & NEBRASKA AVE.																		1.0	
IL 40 (KNOXVILLE AVE.) & NORTHMOOR RD. / PIN OAK CT.								1.0											
IL 40 (KNOXVILLE AVE.) & NORTHPOINT ENTRANCE / NORTH LN.																		1.0	
IL 40 (KNOXVILLE AVE.) & PENNSYLVANIA AVE. / I-74 WB RAMPS								1.0											
IL 40 (KNOXVILLE AVE.) & PENNSYLVANIA ITS CABINET												1.0							
IL 40 (KNOXVILLE AVE.) & PIONEER PARKWAY								1.0											
IL 40 (KNOXVILLE AVE.) & PROCTOR HOSPITAL ENTRANCE / ELAINE AVE.																		1.0	
IL 40 (KNOXVILLE AVE.) & PROSPECT RD.																		1.0	
IL 40 (KNOXVILLE AVE.) & RAVINSWOOD RD. / RICHMAR RD.																		1.0	
IL 40 (KNOXVILLE AVE.) & RICHMOND AVE.															1.0			1.0	
IL 40 (KNOXVILLE AVE.) & THRUSH AVE.																		1.0	
IL 40 (KNOXVILLE AVE.) & US 150 (WAR MEMORIAL DR.)								1.0											
IL 40 (KNOXVILLE AVE.) & WOODSIDE DR.																		1.0	
IL 40 (PERRY AVE.) & HAMILTON BLVD.															1.0			1.0	
IL 40 (PERRY AVE.) & MAIN ST.															1.0			1.0	
IL 40 (SPALDING AVE.) & GLEN OAK AVE. / I-74 WB ENTRANCE RAMP								1.0							1.0				
IL 40 (SPALDING AVE.) & GLENDALE															1.0			1.0	
IL 40 (SPALDING AVE.) & GREENLEAF ST. / I-74 WB EXIT RAMP															1.0			1.0	
IL 40 (W.M. KUMPF BLVD.) & ADAMS ST.								1.0								1.0			
IL 40 (W.M. KUMPF BLVD.) & JEFFERSON AVE.								1.0							1.0				
IL 40 (W.M. KUMPF BLVD.) & JOHN H. GWYNN JR. AVE.															1.0			1.0	
IL 40 (W.M. KUMPF BLVD.) & MARTIN LUTHER KING JR. DR.															1.0			1.0	
IL 40 (W.M. KUMPF BLVD.) & ROMEO B. GARRETT AVE.															1.0			1.0	
IL 40 (W.M. KUMPF BLVD./ GLENDALE AVE.) & MAIN ST.								1.0							1.0				
IL 8 (WESTERN AVE.) & BRADLEY AVE./ ROHMANN AVE.															1.0			1.0	
IL 8 (WESTERN AVE.) & IL 116 (HOWETT ST.)									1.0										
IL 8 (WESTERN AVE.) & IL 116 (LINCOLN AVE.)									1.0										
IL 8 (WESTERN AVE.) & MARTIN LUTHER KING JR. DR.																		1.0	
IL 8 (WESTERN AVE.) & MOSS AVE.															1.0			1.0	
IL 91 & AMERICAN PRAIRIE DR.																		1.0	
JEFFERSON AVE. & GARDEN ST.									1.0						1.0				
JEFFERSON AVE. & LINCOLN AVE.									1.0						1.0				
JEFFERSON AVE. & OAK ST.									1.0						1.0				
JEFFERSON ST. & FULTON ST.									1.0						1.0				
JEFFERSON ST. & HAMILTON BLVD.									1.0						1.0				
JEFFERSON ST. & LIBERTY ST.									1.0						1.0				
JEFFERSON ST. & MAIN ST.									1.0						1.0				
JEFFERSON ST. & UNMARKED (FAYETTE ST.)															1.0			1.0	
JEFFERSON ST. & UNMARKED (SPALDING AVE.)								1.0							1.0				
KUMPF & JEFFERSON ITS CABINET							2.0										291.0	1.0	
LAKE AVE. & EVERGREEN SHOPPING CENTER/ SHERIDAN VILLAGE									1.0						1.0				
MACARTHUR BRIDGE ITS CABINET																	1646.0	1.0	
MACARTHUR HWY. & ADAMS ST.									1.0						1.0				
MACARTHUR HWY. & HOWETT ST.									1.0						1.0				
MACARTHUR HWY. & JEFFERSON AVE.									1.0						1.0				
MACARTHUR HWY. & JOHN H. GWYNN JR. AVE.									1.0						1.0			1.0	
MACARTHUR HWY. & MCBEAN ST.									1.0						1.0				
MADISON AVE. & FAYETTE ST.															1.0			1.0	
MADISON AVE. & HAMILTON BLVD.									1.0						1.0				
MADISON AVE. & MAIN ST.									1.0						1.0				
MAIN & GLENDALE ITS CABINET																	171.0	1.0	
MAIN ST. & BOURLAND AVE.															1.0			1.0	
MAIN ST. & GLOBE ST.															1.0			1.0	
MAIN ST. & IL 8 (FARMINGTON RD.)									1.0									1.0	
MAIN ST. & MAPLEWOOD AVE.									1.0										
MAIN ST. & SHERIDAN RD.															1.0			1.0	
MAIN ST. FIBER OPTIC																	3300.0		
FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						SCHEDULE OF QUANTITIES – CONTINUED					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALES\$	DRAWN -	REVISED -												VAR.	D4 ITS 2018	PEORIA	87	7
	PLOT DATE = \$DATES\$	CHECKED -	REVISED -												CONTRACT NO. 68E20				
		DATE -	REVISED -							SCALE:				STA.	TO STA.		ILLINOIS FED. AID PROJECT		

LOCATION	CODE	42400100	44000600	81028350	81400700	87900200	88500100	X0320024	X0326266	X0326812	X0326905	X0327606	X0327741	X8140225	X8570215	X8570226	X8710030	X8710050	Z0033052
	ITEM DESCRIPTION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SIDEWALK REMOVAL	UNDERGROUND CONDUIT, PVC, 2" DIA.	HANDHOLE, PORTLAND CEMENT CONCRETE	DRILL EXISTING HANDHOLE	INDUCTIVE LOOP DETECTOR	ETHERNET MANAGE SWITCH	ETHERNET SWITCH	CAT 5 ETHERNET CABLE	CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	FIBER OPTIC SPLICE-LATERAL	ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY)	HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	COMMUNICATIONS VAULT
	UNIT	SQ FT	SQ FT	FOOT	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	EACH
	TOTAL QTY.	68.0	80.0	1545.0	1.0	2.0	2.0	29.0	73.0	470.5	5.0	5.0	1.0	6.0	128.0	3.0	41508.5	133.0	19.0
MAXWELL RD. & FARMINGTON RD.																			
MONROE ST. & FAYETTE ST.														10			1.0		
MONROE ST. & FULTON ST.									1.0					10					
MONROE ST. & HAMILTON BLVD.									1.0					10					
MONROE ST. & MAIN ST.									1.0					10					
MONROE ST. & SPALDING AVE.														10			1.0		
MONROE ST. & SPRING ST.									1.0					10					
NORTH ST. & COLUMBIA TERRACE														10			1.0		
NORTH ST. & MCCLURE									1.0					10					
NORTH ST. & NEBRASKA AVE.									1.0					10					
NORTH ST. & RICHMOND AVE.									1.0					10					
NORTHMOOD RD. & ROSEMEAD RD.																			
PENNSYLVANIA & BERKELEY																		1.0	
PERRY AVE. & FAYETTE ST.														10				1.0	
PERRY AVE. & SPALDING AVE.														10				1.0	
PIONEER PARKWAY & HALE AVE./ PIONEER LN.																		1.0	
PIONEER PARKWAY & SOMMER ST.																		1.0	
PROSPECT AVE. & FORREST HILL AVE.									1.0					10					
PROSPECT AVE. & FRYE AVE.									1.0					10					
PROSPECT AVE. & LAKE AVE.									1.0					10					
PROSPECT AVE. & MCLURE AVE./ GLEN OAK PARK ENTRANCE									1.0					10					
PROSPECT AVE. & TRIPP AVE.									1.0					10					
SCENIC AVE. & NORTHWOODS MALL ENTRANCE														10				1.0	
SCENIC AVE. & ROCKWOOD DR.														10				1.0	
SHERIDAN RD. & COLUMBIA TERRACE																		1.0	
SHERIDAN RD. & EVERGREEN SHOPPING CENTER / STONEGATE RD.																		1.0	
SHERIDAN RD. & FORREST HILL AVE.									1.0					10				1.0	
SHERIDAN RD. & GLEN AVE.																		1.0	
SHERIDAN RD. & LAKE AVE.								1.0	1.0										
SHERIDAN RD. & LOUCKS AVE.									1.0					10					
SHERIDAN RD. & MCCLURE AVE.									1.0										
SHERIDAN RD. & NEBRASKA AVE.														10					
SHERIDAN RD. & NORTHMOOR RD.																		1.0	
SHERIDAN RD. & SHERIDAN VILLAGE									1.0										
SHERIDAN RD. FIBER OPTIC														2.0			9852.0		4.0
SPALDING & GLENDALE ITS CABINET								1.0									239.0		
STERLING AVE. & BAINTER RD.									1.0									1.0	
STERLING AVE. & FARMINGTON RD.									1.0										
STERLING AVE. & FORREST HILL AVE.								1.0		118.5	1.0								
STERLING AVE. & GALE AVE. / RESERVOIR BLVD.									1.0										
STERLING AVE. & I-74 EB RAMPS															10			1.0	
STERLING AVE. & I-74 WB RAMPS																		1.0	
STERLING AVE. & JAMES BAUMANN WAY / NORTHWOODS MALL ENTRANCE															10			1.0	
STERLING AVE. & NEBRASKA AVE.																		1.0	
STERLING AVE. & NEWMAN PARKWAY																		1.0	
STERLING AVE. & RICHWOODS BLVD.									1.0										
STERLING AVE. & SCENIC DR.								1.0		72.0	1.0								
STERLING AVE. FIBER OPTIC																	6009.0		3.0
UNIVERSITY ST. & COLUMBIA TERRACE								1.0							10				
UNIVERSITY ST. & FLORENCE AVE.																		1.0	
UNIVERSITY ST. & FORREST HILL AVE.								1.0											
UNIVERSITY ST. & GLEN AVE.										72.0	1.0							1.0	
UNIVERSITY ST. & I-74 EB RAMPS															10			1.0	
UNIVERSITY ST. & I-74 WB RAMPS															10			1.0	
UNIVERSITY ST. & ICC ENTRANCE																		1.0	
UNIVERSITY ST. & LAKE AVE.																		1.0	
UNIVERSITY ST. & MAIN ST.								1.0							10				
UNIVERSITY ST. & MARLENE AVE.															10			1.0	
UNIVERSITY ST. & MCCLURE ST.																		1.0	
UNIVERSITY ST. & MIRAMAR DR.																		1.0	
UNIVERSITY ST. & MOSS AVE. / MACARTHUR HWY.																		1.0	
UNIVERSITY ST. & NEBRASKA AVE.																		1.0	
UNIVERSITY ST. & NORTHMOOR RD.										104.0	1.0							1.0	
UNIVERSITY ST. & PIONEER PARKWAY										104.0	1.0							1.0	
UNIVERSITY ST. & ST. JAMES ST.														10				1.0	

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES – CONTINUED				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	8
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -						CONTRACT NO. 68E20				
	PLOT DATE = \$DATES	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

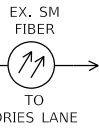
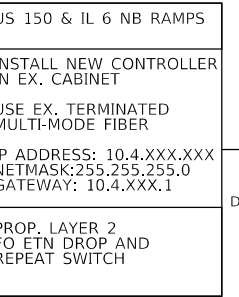
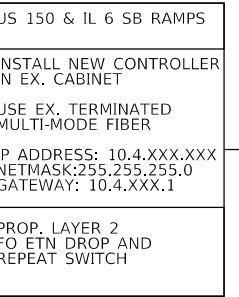
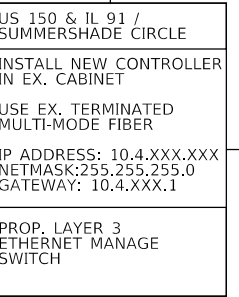
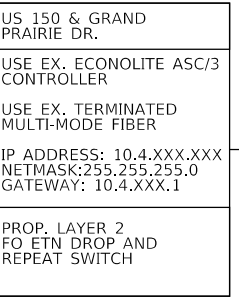
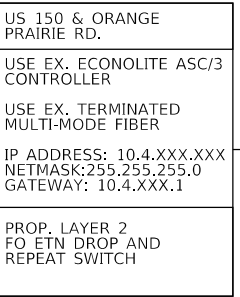
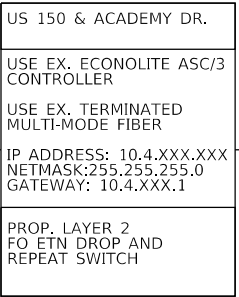
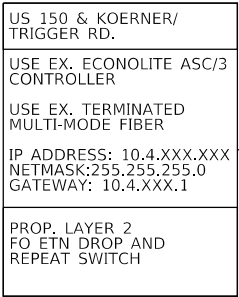
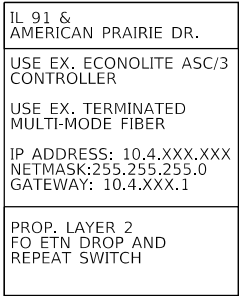
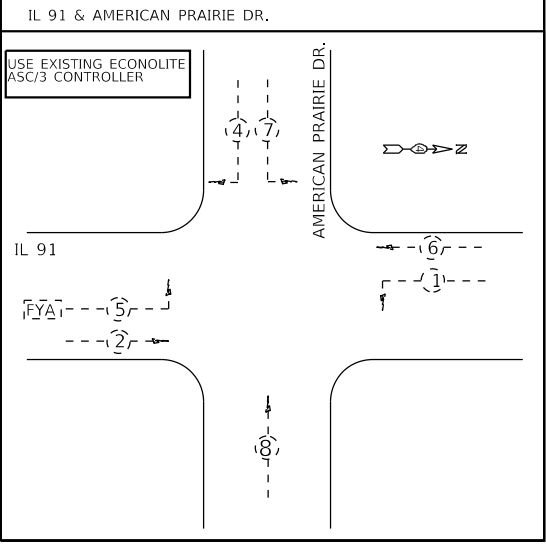
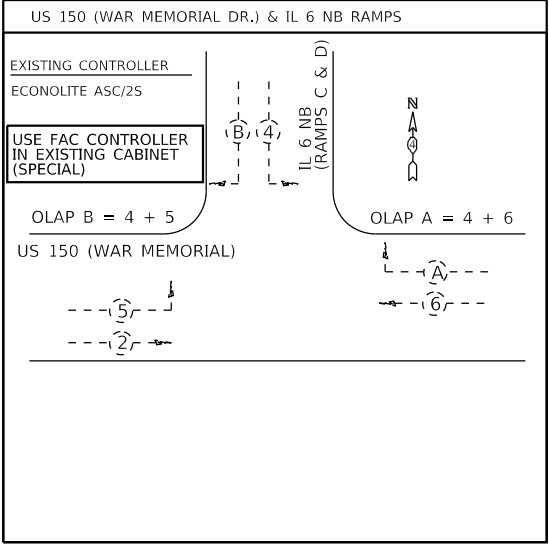
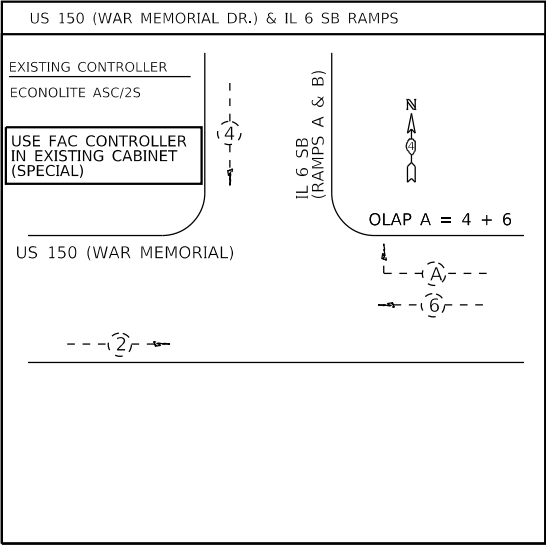
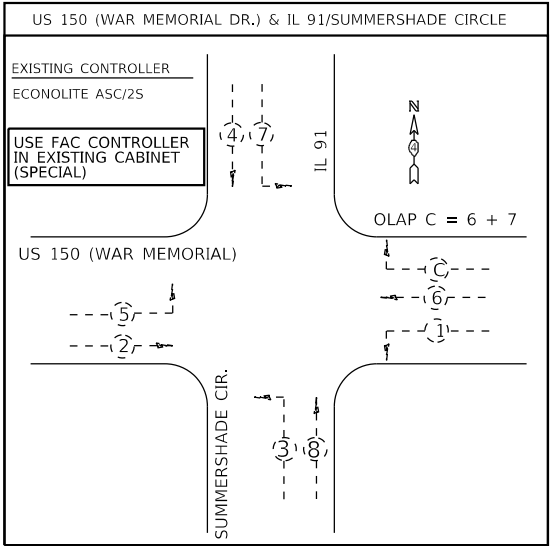
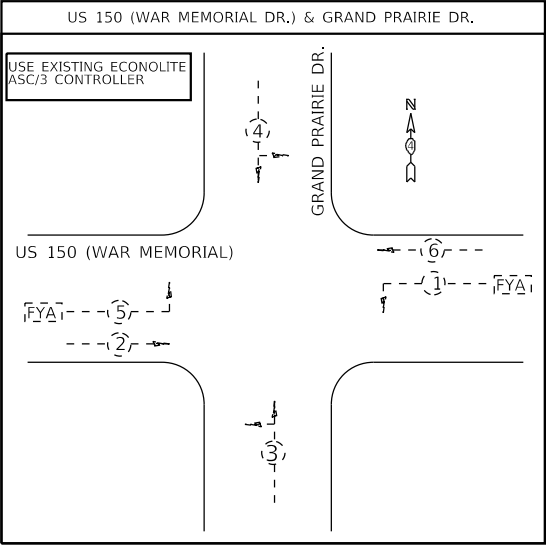
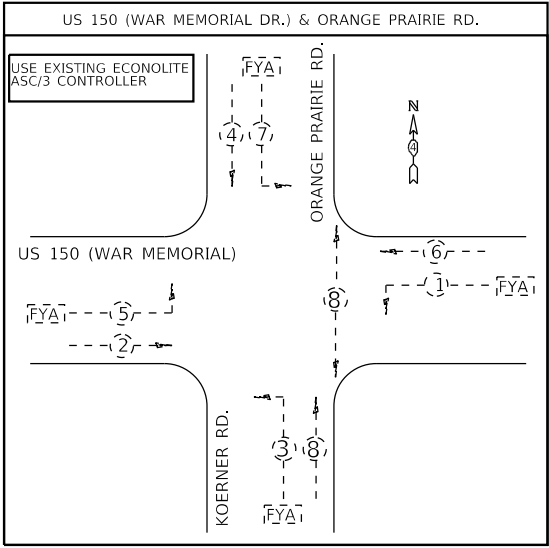
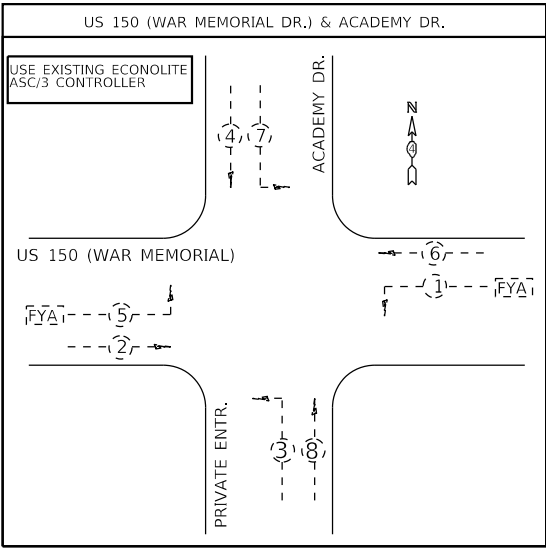
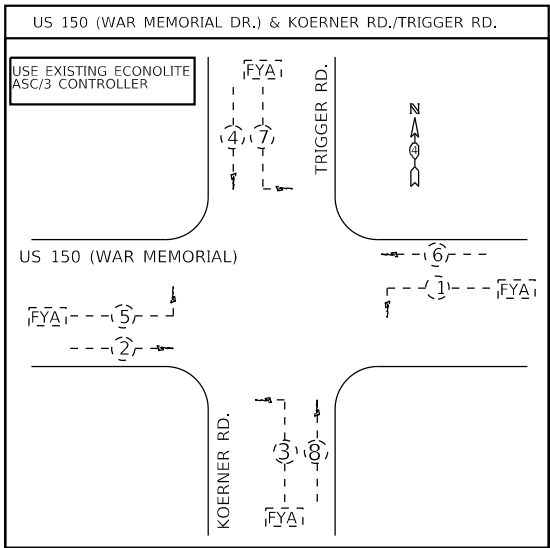
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	ITEM DESCRIPTION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SIDEWALK REMOVAL	UNDERGROUND CONDUIT, PVC, 2" DIA.	HANDHOLE, PORTLAND CEMENT CONCRETE	DRILL EXISTING HANDHOLE	INDUCTIVE LOOP DETECTOR	ETHERNET MANAGE SWITCH	ETHERNET SWITCH	CAT 5 ETHERNET CABLE	CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	FIBER OPTIC SPLICE-LATERAL	ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY)	HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	COMMUNICATIONS VAULT			
	UNIT	SQ FT	SQ FT	FOOT	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	EACH			
	TOTAL QTY.	68.0	80.0	1545.0	1.0	2.0	2.0	2.0	29.0	73.0	470.5	5.0	5.0	1.0	6.0	123.0	3.0	41508.5	133.0	19.0		
UNIVERSITY ST. & WALMART ENTRANCE / ALDIS ENTRANCE																		1.0				
UNIVERSITY ST. & WILLOW KNOLLS DR.																		1.0				
UNIVERSITY ST. FIBER OPTIC														4.0			9819.0		5.0			
US 150 (WAR MEMORIAL DR.) & ACADEMY DR.																		1.0				
US 150 (WAR MEMORIAL DR.) & ALLEN RD. / CHARTER OAK RD.								1.0							1.0							
US 150 (WAR MEMORIAL DR.) & BIG HOLLOW RD. / WILLOW KNOLLS RD.								1.0														
US 150 (WAR MEMORIAL DR.) & BRANDYWINE DR. / MEADOWBROOK RD.																		1.0				
US 150 (WAR MEMORIAL DR.) & BRANDYWINE DR. / SCENIC DR.															1.0			1.0				
US 150 (WAR MEMORIAL DR.) & FROSTWOOD PARKWAY																		1.0				
US 150 (WAR MEMORIAL DR.) & GLEN AVE. / STERLING AVE.								1.0								1.0						
US 150 (WAR MEMORIAL DR.) & GLEN HOLLOW									1.0			1.0			1.0		160.5	1.0				
US 150 (WAR MEMORIAL DR.) & GRAND BLVD.												1.0						1.0				
US 150 (WAR MEMORIAL DR.) & GRAND PRAIRIE DR.																		1.0				
US 150 (WAR MEMORIAL DR.) & IL 6 NB RAMPS															1.0			1.0				
US 150 (WAR MEMORIAL DR.) & IL 6 SB RAMPS															1.0			1.0				
US 150 (WAR MEMORIAL DR.) & IL 91 / SUMMERSHADE CIRCLE								1.0							1.0							
US 150 (WAR MEMORIAL DR.) & KOERNER RD./TRIGGER RD.																		1.0				
US 150 (WAR MEMORIAL DR.) & MONROE AVE. / CENTRAL AVE.												1.0						1.0				
US 150 (WAR MEMORIAL DR.) & MOUNTELLO DR.												1.0					193.0	1.0				
US 150 (WAR MEMORIAL DR.) & NORTHLAND AVE.																		1.0				
US 150 (WAR MEMORIAL DR.) & ORANGE PRAIRIE RD.																		1.0				
US 150 (WAR MEMORIAL DR.) & PROSPECT RD.								1.0														
US 150 (WAR MEMORIAL DR.) & SHERIDAN RD.								1.0								1.0						
US 150 (WAR MEMORIAL DR.) & UNIVERSITY ST.								1.0														
US 150 (WAR MEMORIAL DR.) & WILLOW KNOLLS CT. / BARING TRACE												1.0						1.0				
US 150 (WAR MEMORIAL DR.) & WISCONSIN AVE. / BOULEVARD AVE.																		1.0				
IUS 24 (WASHINGTON ST.) & CASS ST.															1.0			1.0				
US 24 (WASHINGTON ST.) & EDMUND ST.															1.0			1.0				
US 24 (WASHINGTON ST.) & IL 8/116 (MACARTHUR HWY.)									1.0						1.0			1.0				
US 24 (WASHINGTON ST.) & SOUTH ST.															1.0			1.0				
WASHINGTON ST. & EATON ST./ I-74 WB ENTRANCE RAMP															1.0			1.0				
WASHINGTON ST. & I-74 EB EXIT RAMP															1.0			1.0				
WASHINGTON ST. & LIBERTY ST.															1.0			1.0				
WASHINGTON ST. & MAIN ST.									1.0						1.0			1.0				
WASHINGTON ST. & PERSIMMON ST.															1.0			1.0				
WASHINGTON ST. & STATE ST.															1.0			1.0				
WESTERN AVE. & ADAMS ST.									1.0						1.0							
WESTERN AVE. & GARDEN ST.									1.0						1.0							
WESTERN AVE. & JEFFERSON AVE.									1.0						1.0							
WESTERN AVE. & STARR ST.									1.0						1.0							
WESTERN AVE. FIBER OPTIC		68.0	80.0	1545.0	1.0	2.0											6225.0		4.0			
WILLOW KNOLLS RD & RADNOR RD.															1.0			1.0				
FILE NAME = \$FILES\$		USER NAME = \$USERS\$		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SCHEDULE OF QUANTITIES – CONTINUED				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	CONTRACT NO. 68E20			
				DRAWN -	REVISED -									VAR.	D4 ITS 2018	PEORIA	87	9				
PLOT SCALE = \$SCALES\$				CHECKED -	REVISED -																	
PLOT DATE = \$DATES\$				DATE -	REVISED -									SCALE:		STA. TO STA.		ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	3.0
ETHERNET MANAGE SWITCH	EACH	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	7.0

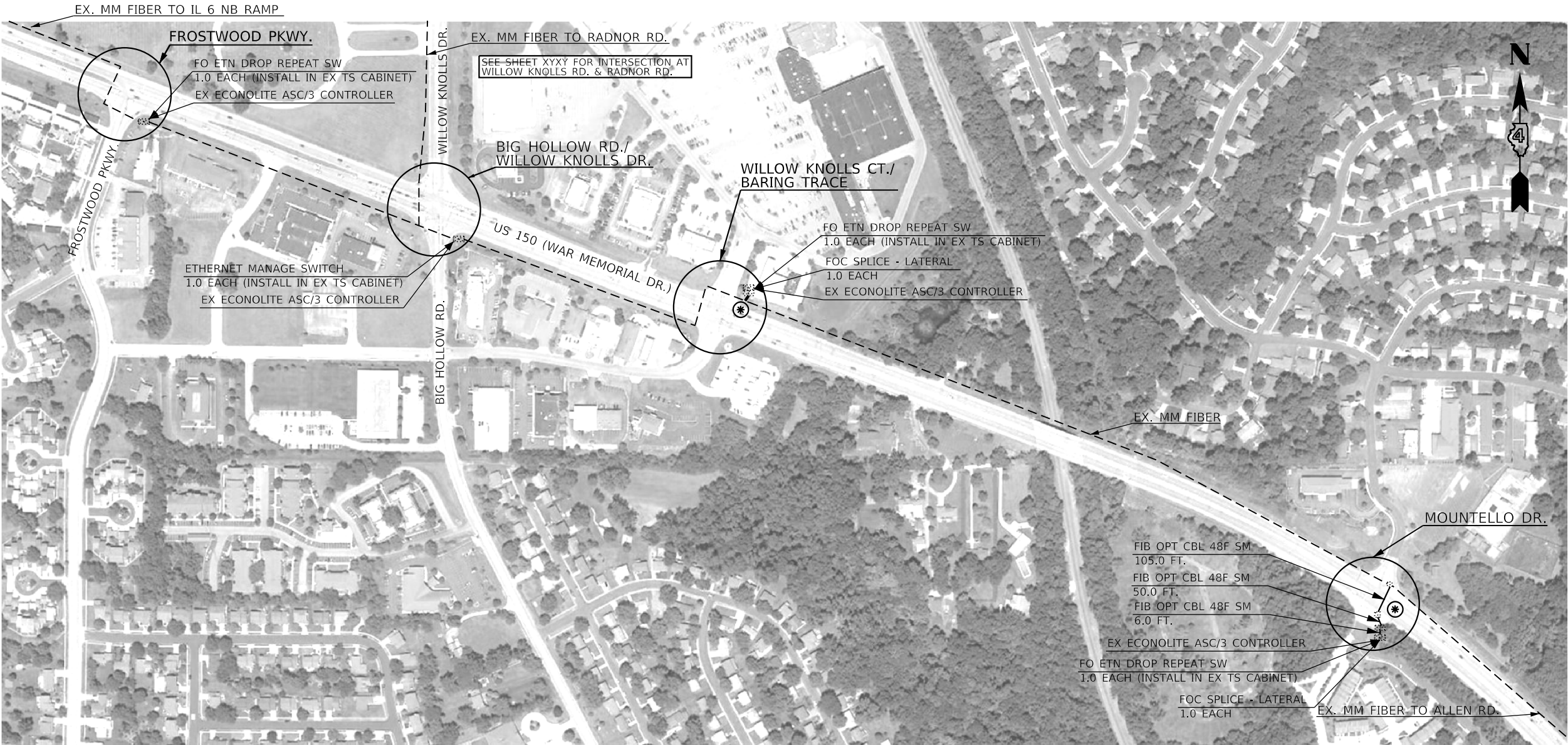
SCHEDULE OF QUANTITIES									
ITEM DESCRIPTION	QTY.	US 150 (WAR MEMORIAL DR.) & KOERNER RD. /TRIGGER RD.	US 150 (WAR MEMORIAL DR.) & ACADEMY DR.	US 150 (WAR MEMORIAL DR.) & ORANGE PRAIRIE RD.	US 150 (WAR MEMORIAL DR.) & GRAND PRAIRIE DR.	US 150 (WAR MEMORIAL DR.) & IL 91 / SUMMERSHADE CIRCLE	US 150 (WAR MEMORIAL DR.) & IL 6 SB RAMPS	US 150 (WAR MEMORIAL DR.) & IL 6 NB RAMPS	IL 91 & AMERICAN PRAIRIE DR.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH					1.0	1.0	1.0	
ETHERNET MANAGE SWITCH	EACH					1.0			
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0	1.0		1.0	1.0	1.0

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
NOT TO SCALE	



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS US 150 (WAR MEMORIAL) FROM KOERNER/TRIGGER TO IL 6 NB RAMPS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -								
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -		VAR.	D4 ITS 2018	PEORIA	87	11		
	PLOT DATE = \$DATES	DATE -	REVISED -		CONTRACT NO. 68E20						
				SCALE:		STA.	TO STA.				
								ILLINOIS FED. AID PROJECT			



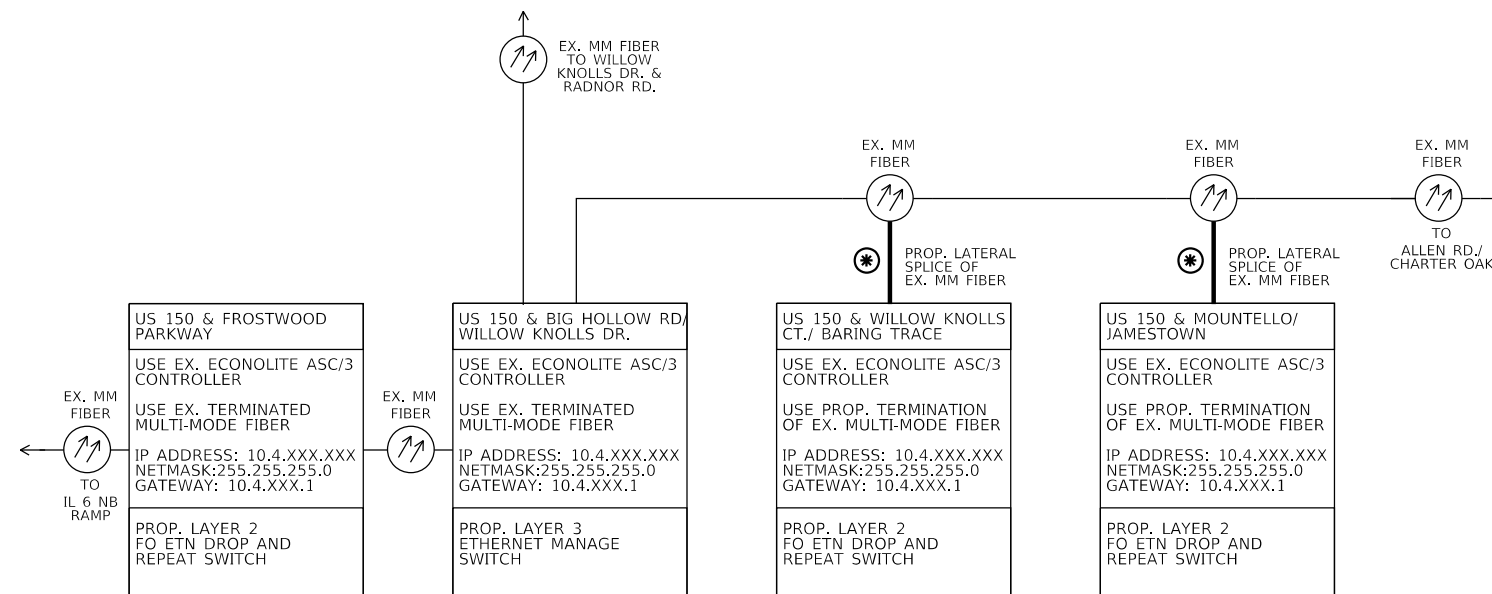
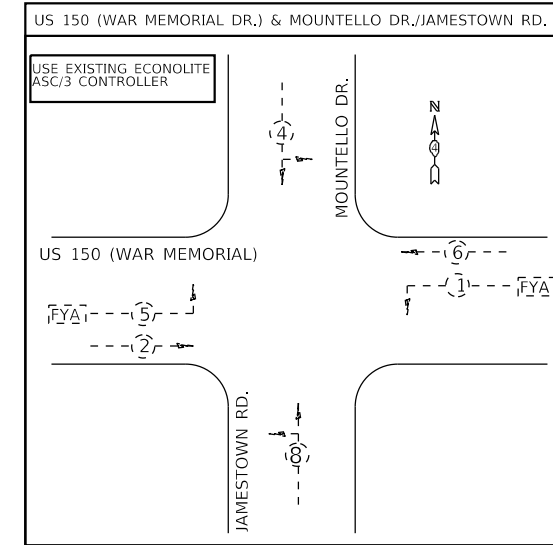
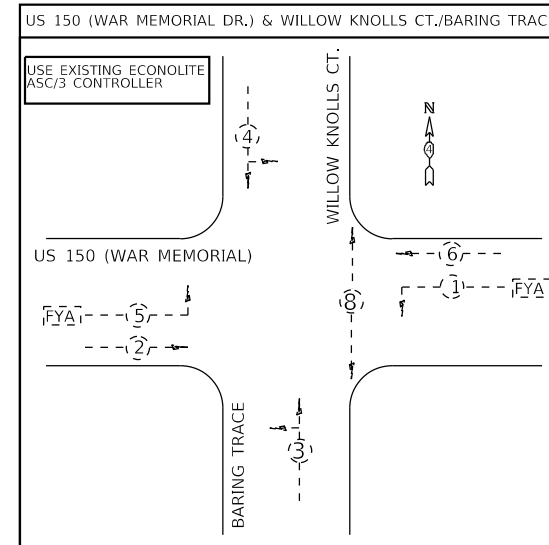
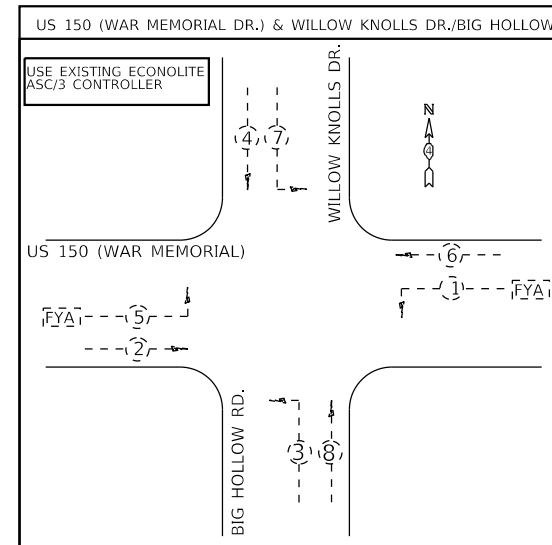
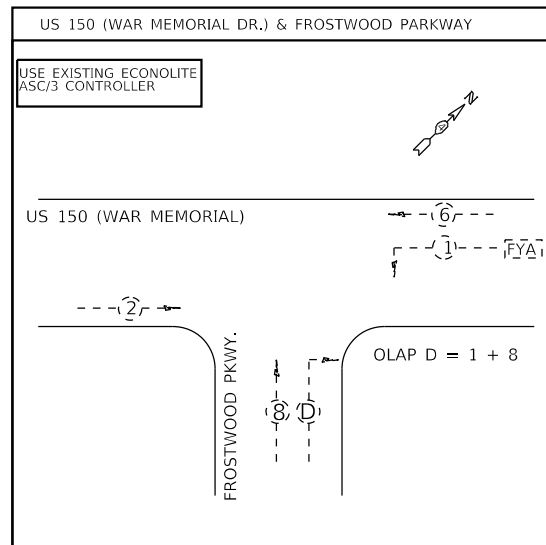
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	3.0
ETHERNET MANAGE SWITCH	EACH	1.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	193.0
FIBER OPTIC SPLICE-LATERAL	EACH	2.0

FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

SCHEDULE OF QUANTITIES						
ITEM DESCRIPTION	QTY.	US 150 (WAR MEMORIAL DR.) & FROSTWOOD PARKWAY	US 150 (WAR MEMORIAL DR.) & BIG HOLLOW RD. / WILLOW KNOLLS RD.	US 150 (WAR MEMORIAL DR.) & WILLOW KNOLLS CT. / BARING TRACE	US 150 (WAR MEMORIAL DR.) & MOUNTELLO DR.	US 150 (WAR MEMORIAL DR.)
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0		1.0	1.0	
ETHERNET MANAGE SWITCH	EACH		1.0			
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT					193.0
FIBER OPTIC SPLICE - LATERAL	EACH			1.0	1.0	

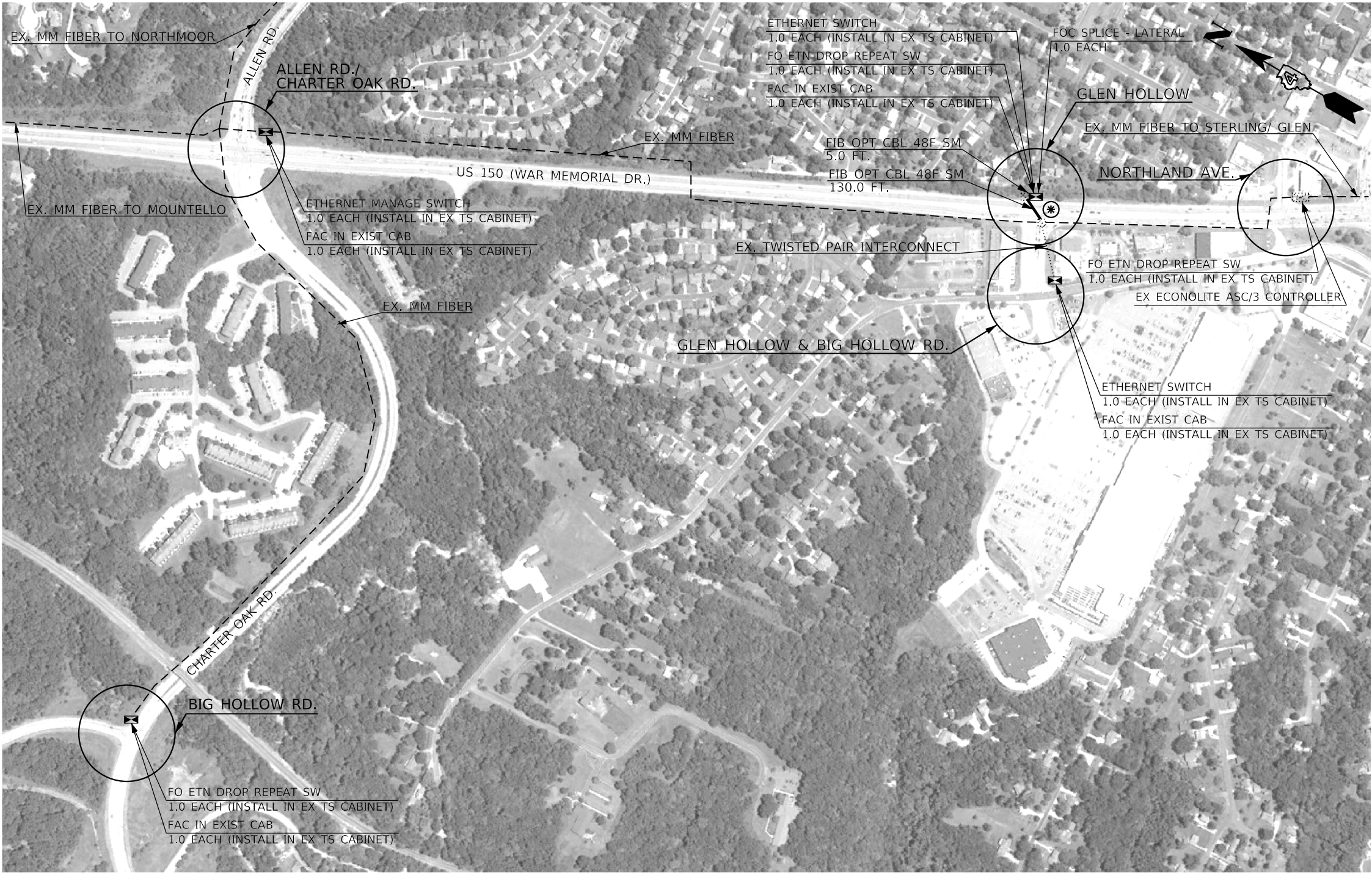
TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. DOUBLE HANDHOLE
	EX. HANDHOLE
	EX. MULTI-MODE FIBER
	EX. TWISTED PAIR INTERCONNECT
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. LATERAL FIBER SPLICE INTO EX. MAINLINE FIBER
	PROP. SINGLE-MODE FIBER

NOT TO SCALE



NOT TO SCALE

FILE NAME = \$FILEL\$	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS US 150 (WAR MEMORIAL) FROM FROSTWOOD TO MOUNTELO		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$S\$CALES	CHECKED -	REVISED -				VAR.	D4 ITS 2018	PEORIA	87	13
	PLOT DATE = \$D\$ATES	DATE -	REVISED -		CONTRACT NO. 68E20						
	SCALE:		STA. TO STA.		ILLINOIS		FED. AID PROJECT				



FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

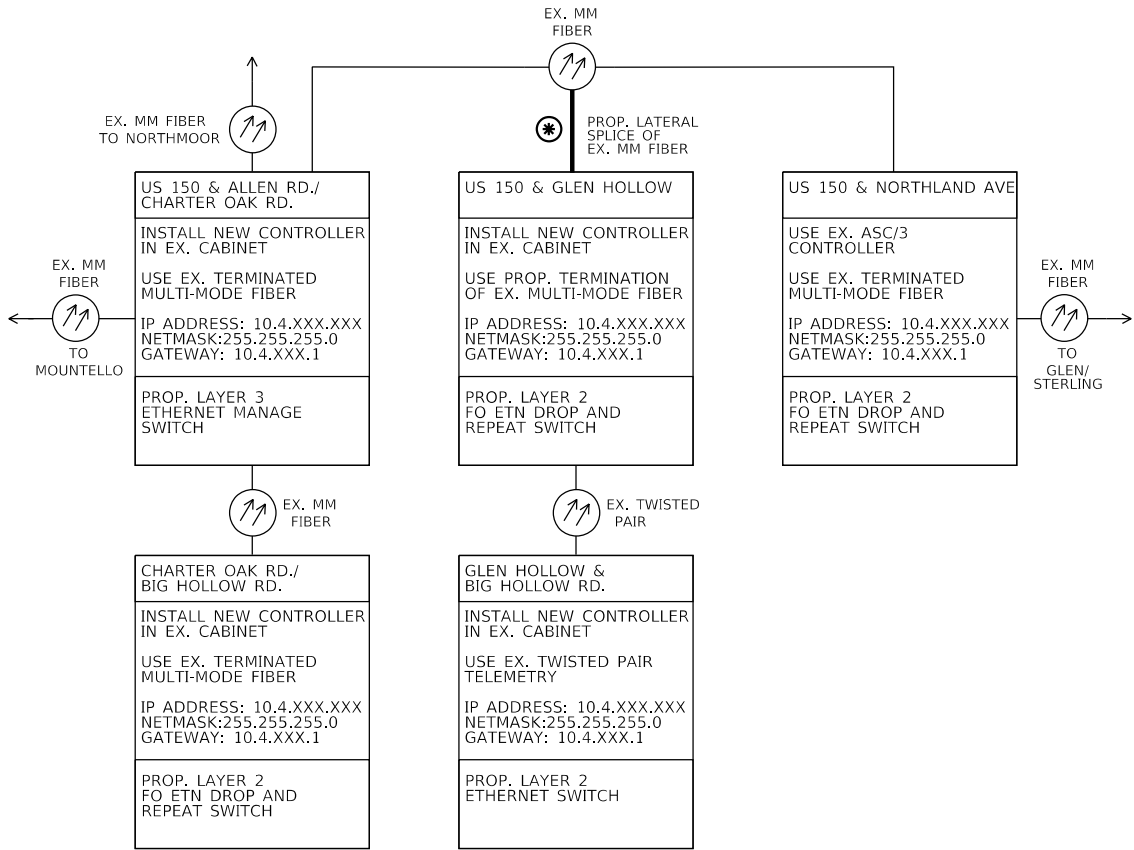
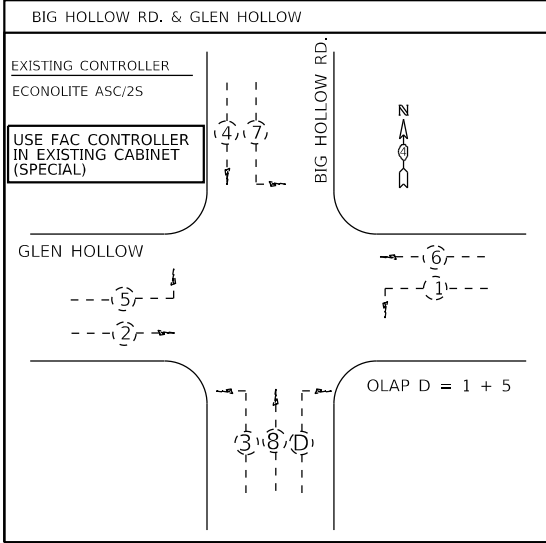
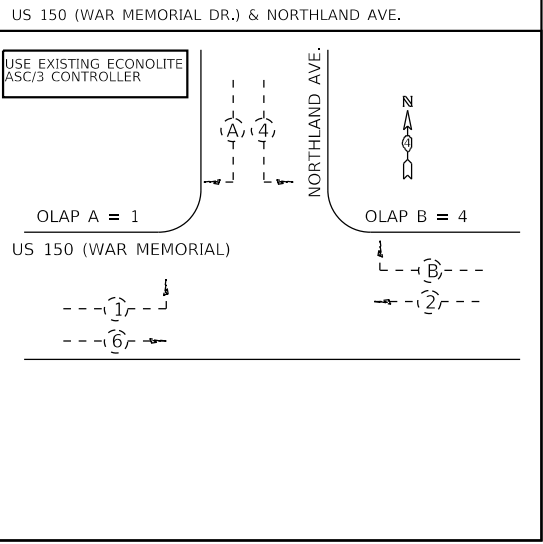
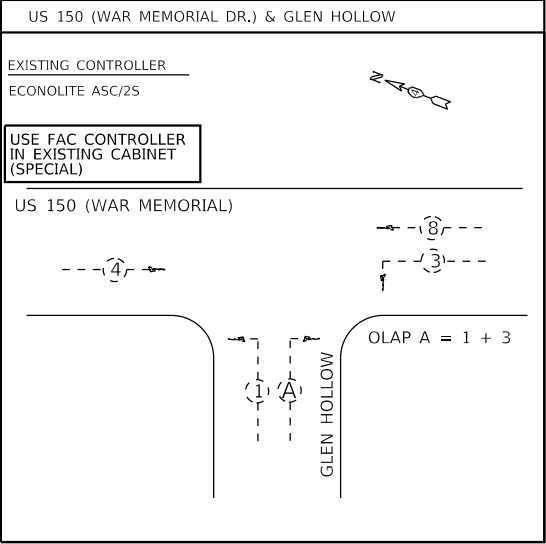
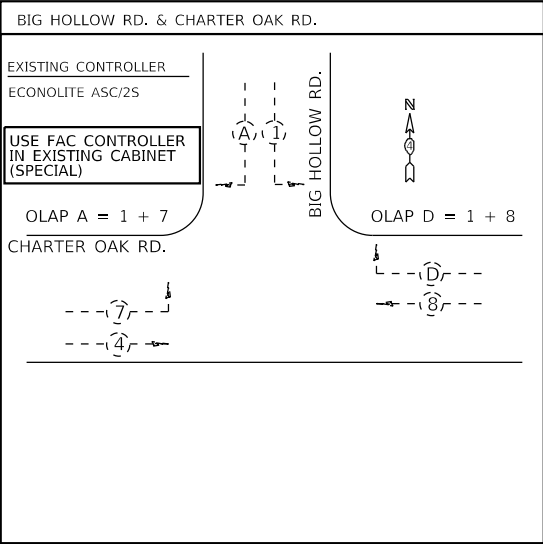
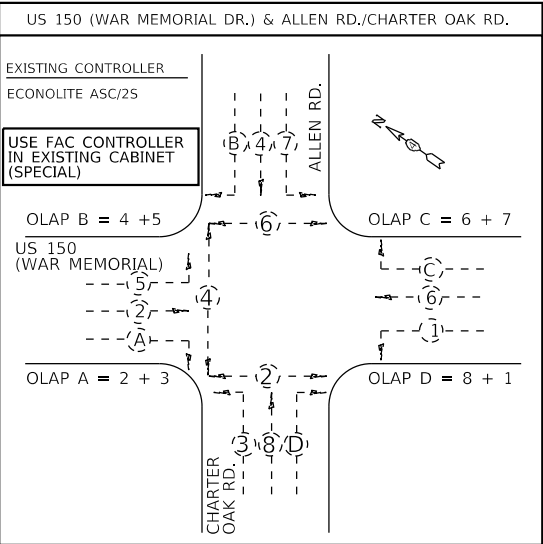
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	4.0
ETHERNET MANAGE SWITCH	EACH	1.0
ETHERNET SWITCH	EACH	2.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	3.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	160.5
FIBER OPTIC SPLICE-LATERAL	EACH	1.0

SCHEDULE OF QUANTITIES							
ITEM DESCRIPTION	QTY.	US 150 (WAR MEMORIAL DR.) & ALLEN RD. / CHARTER OAK RD.	US 150 (WAR MEMORIAL DR.) & GLEN HOLLOW	US 150 (WAR MEMORIAL DR.) & NORTHLAND AVE.	BIG HOLLOW RD. & GLEN HOLLOW RD.	BIG HOLLOW RD. & CHARTER OAK RD.	US 150 (WAR MEMORIAL DR.)
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0		1.0	1.0	
ETHERNET MANAGE SWITCH	EACH	1.0					
ETHERNET SWITCH	EACH			1.0	1.0		
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH		1.0	1.0		1.0	
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT						160.5
FIBER OPTIC SPLICE - LATERAL	EACH		1.0				

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	EX. TWISTED PAIR INTERCONNECT
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. LATERAL FIBER SPLICE INTO EX. MAINLINE FIBER

NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG US 150 (WAR MEMORIAL DR.) FROM ALLEN/CHARTER OAK TO NORTHLAND AVE.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -									
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -		VAR.	D4 ITS 2018	PEORIA	87	14			
	PLOT DATE = \$DATES	DATE -	REVISED -		CONTRACT NO. 68E20							
SCALE:				STA.	TO STA.		ILLINOIS FED. AID PROJECT					



NOT TO SCALE

FILE NAME = \$FILEL\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS US 150 (WAR MEMORIAL) FROM ALLEN/CHARTER OAK TO NORTHLAND	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA		87	15
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	PLOT DATE = \$DATES\$	DATE -	REVISED -					ILLINOIS FED. AID PROJECT			
				SCALE:		STA.		TO STA.			



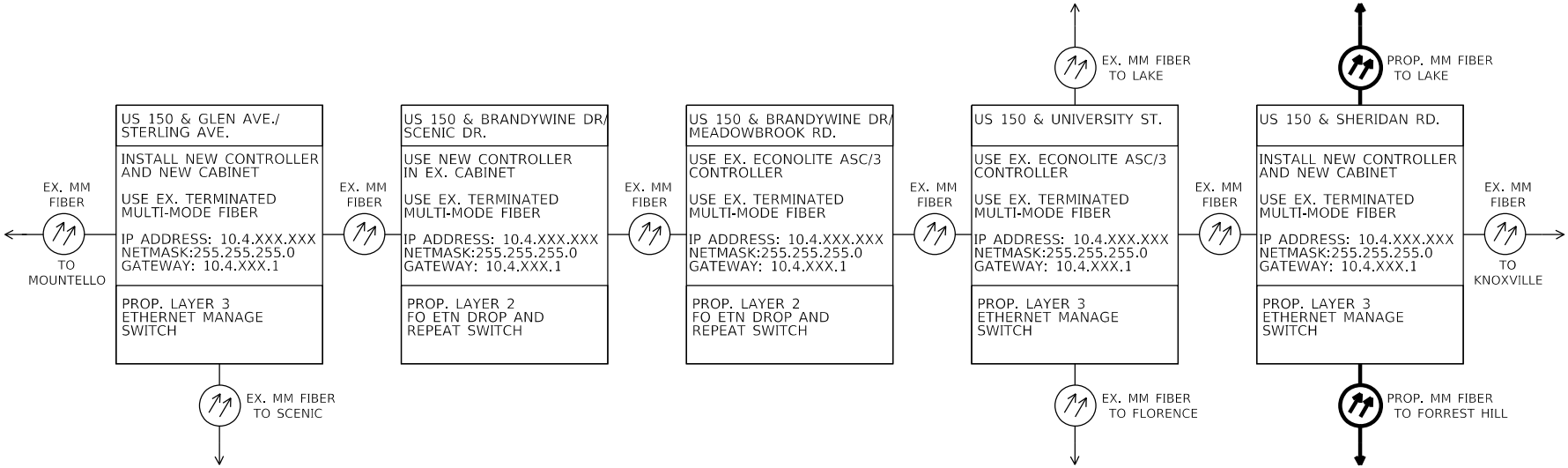
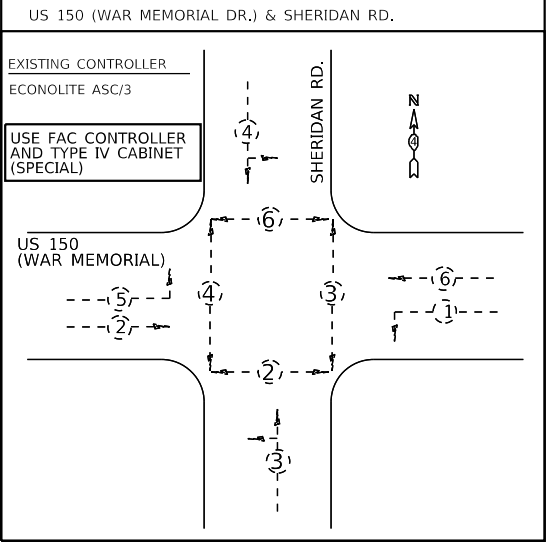
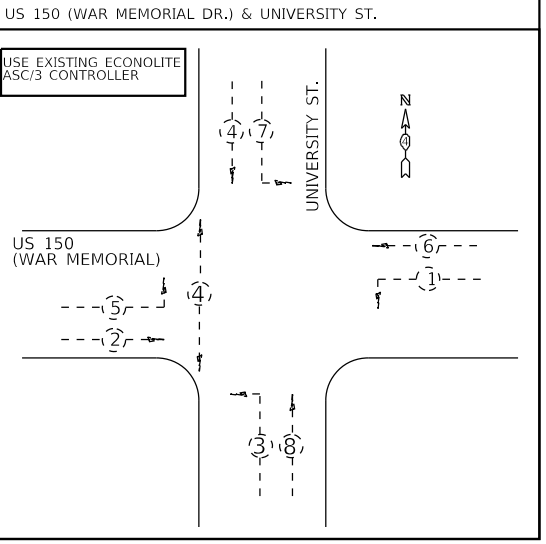
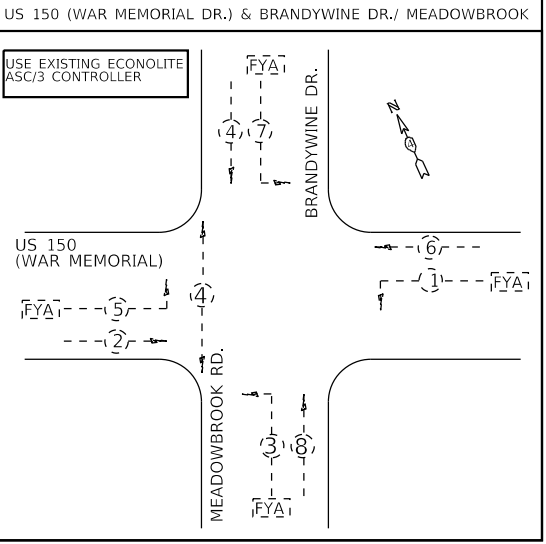
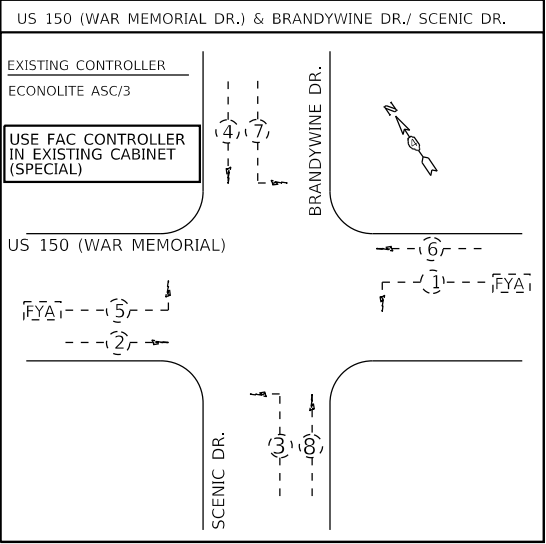
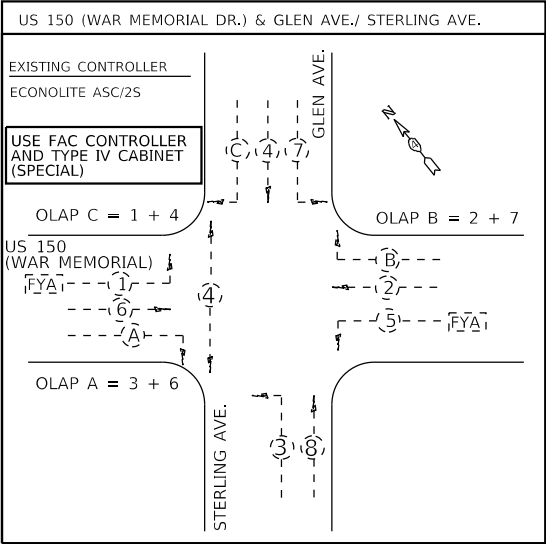
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2.0
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	2.0
ETHERNET MANAGE SWITCH	EACH	3.0

SCHEDULE OF QUANTITIES						
ITEM DESCRIPTION	QTY.	US 150 (WAR MEMORIAL DR.) & GLEN AVE. / STERLING AVE.	US 150 (WAR MEMORIAL DR.) & BRANDYWINE DR. / SCENIC DR.	US 150 (WAR MEMORIAL DR.) & BRANDYWINE DR. / MEADOWBROOK RD.	US 150 (WAR MEMORIAL DR.) & UNIVERSITY ST.	US 150 (WAR MEMORIAL DR.) & SHERIDAN RD.
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1.0				1.0
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH		1.0			
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH		1.0	1.0		
ETHERNET MANAGE SWITCH	EACH	1.0			1.0	1.0

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. TRAFFIC SIGNAL CONTROLLER AND CABINET

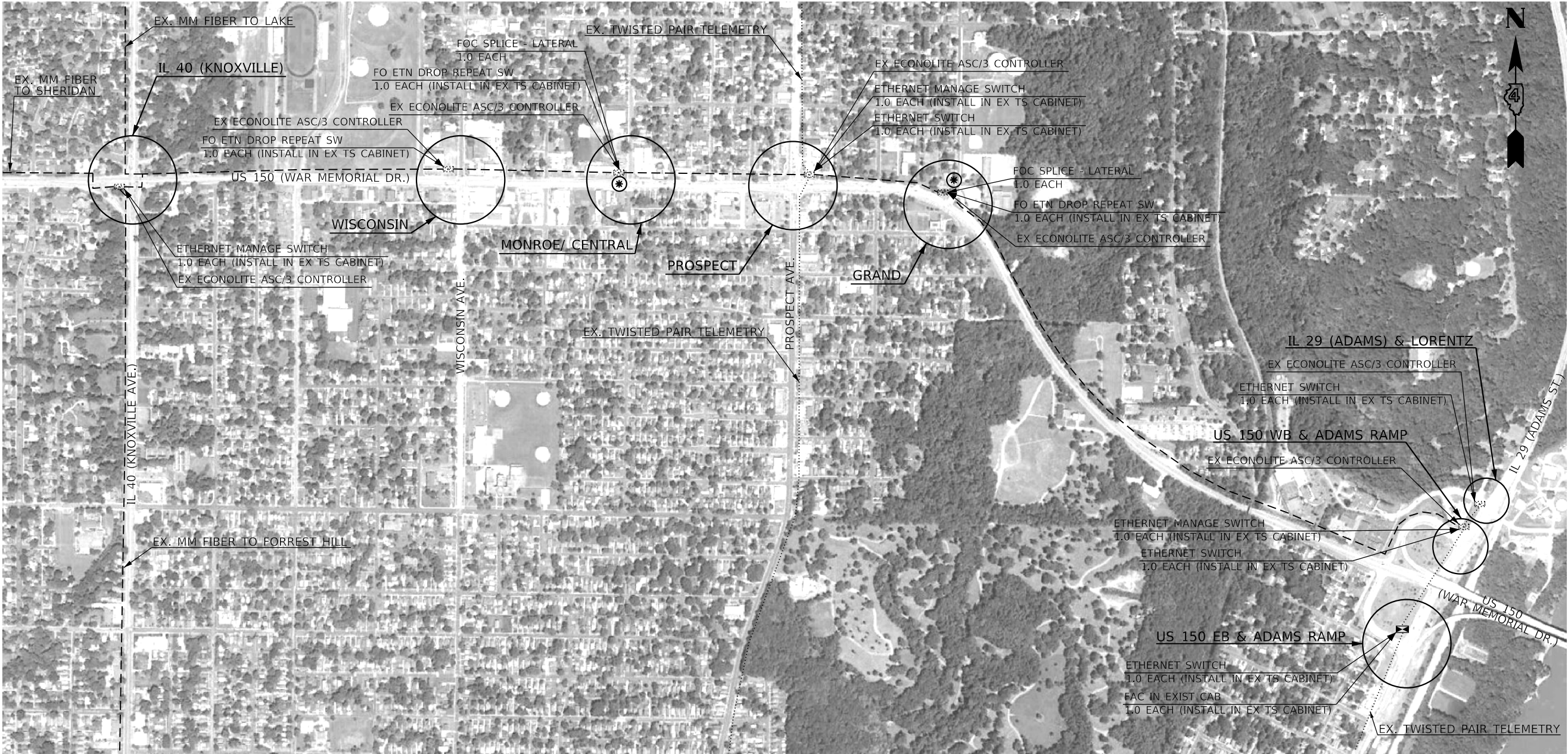
NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG US 150 (WAR MEMORIAL DR.) FROM GLEN/STERLING TO SHERIDAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -				VAR.	D4 ITS 2018				
	PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -							PEORIA	87	16
	PLOT DATE = \$DATES\$	DATE -	REVISED -						CONTRACT NO. 68E20			
	SCALE:								STA.	TO STA.		ILLINOIS FED. AID PROJECT



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS US 150 (WAR MEMORIAL) FROM GLEN/STERLING TO SHERIDAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	17
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	PLOT DATE = \$DATES	DATE -	REVISED -					ILLINOIS	FED. AID PROJECT	
					SCALE:		STA.	TO STA.		



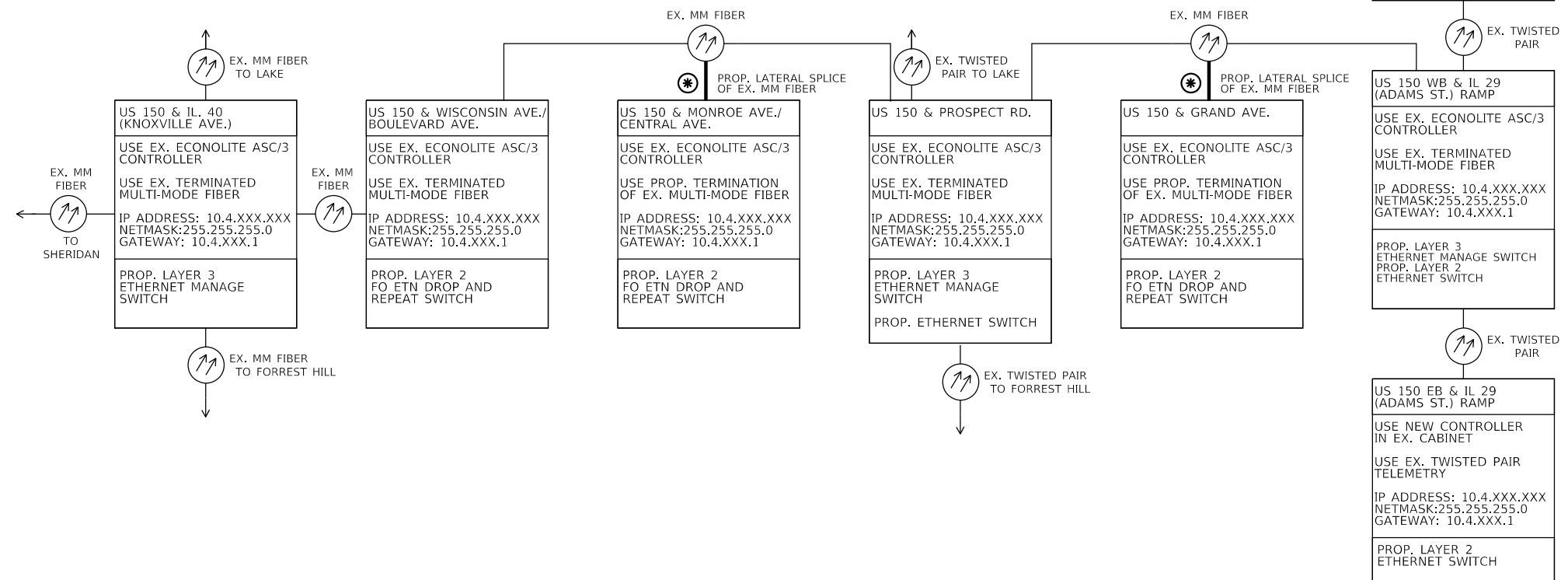
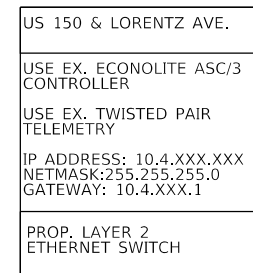
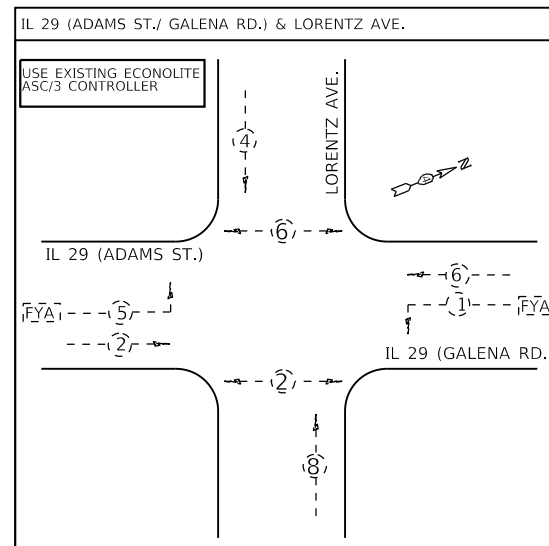
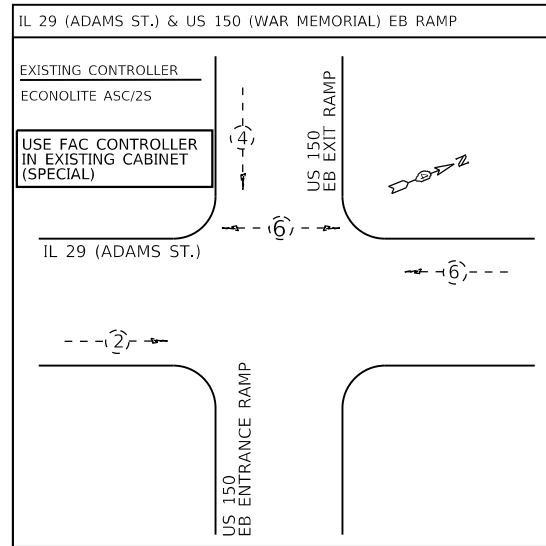
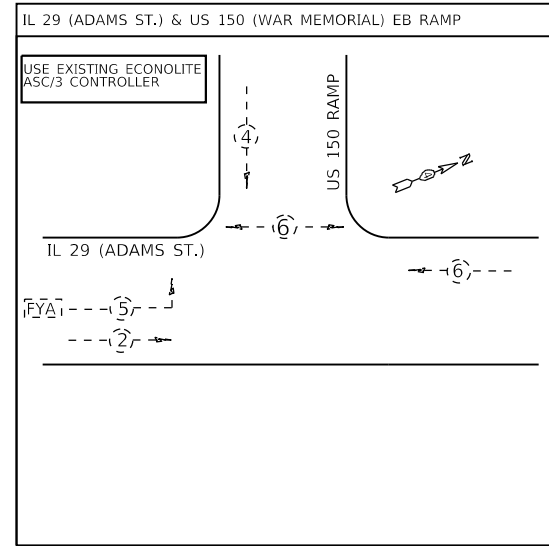
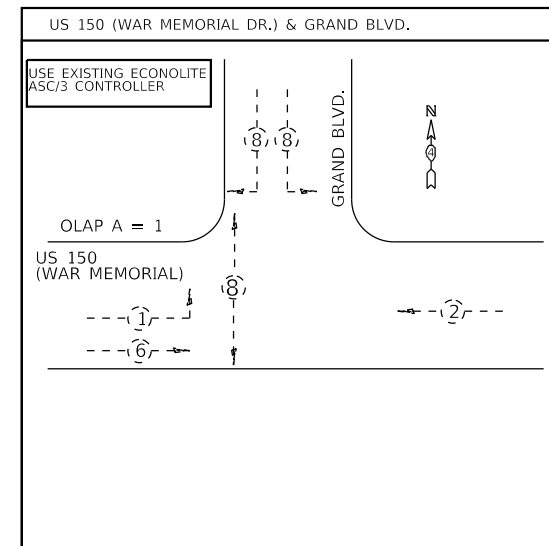
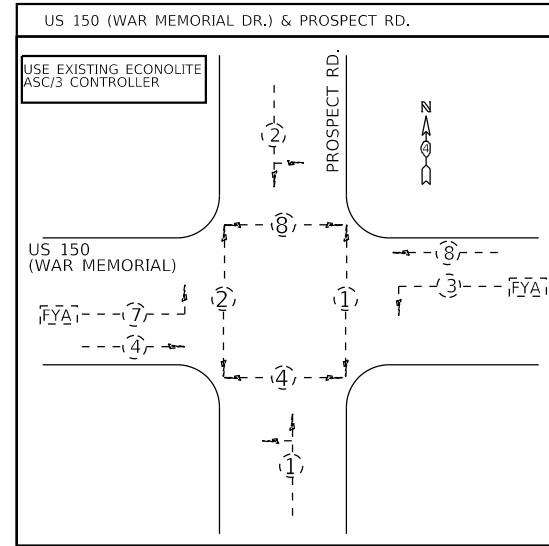
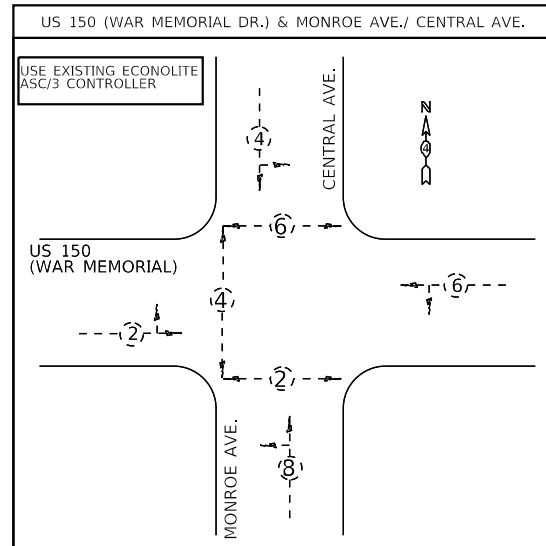
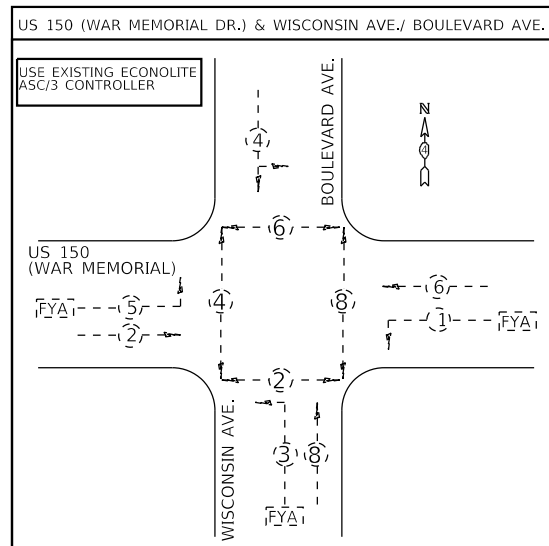
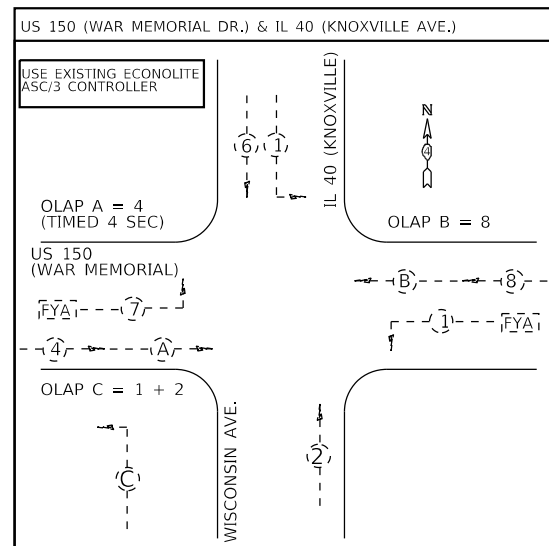
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	3.0
ETHERNET MANAGE SWITCH	EACH	3.0
ETHERNET SWITCH	EACH	3.0
FIBER OPTIC SPLICE-MAINLINE	EACH	2.0

SCHEDULE OF QUANTITIES									
ITEM DESCRIPTION	QTY.	US 150 (WAR MEMORIAL DR.) & IL 40 (KNOXVILLE AVE.)	US 150 (WAR MEMORIAL DR.) & MONROE AVE. / WISCONSIN AVE. / BOULEVARD AVE.	US 150 (WAR MEMORIAL DR.) & MONROE AVE. / CENTRAL AVE.	US 150 (WAR MEMORIAL DR.) & PROSPECT RD.	US 150 (WAR MEMORIAL DR.) & GRAND BLVD.	US 150 EB & IL 29 (ADAMS ST.) RAMP	US 150 WB & IL 29 (ADAMS ST.) RAMP	IL 29 (ADAMS ST.) & LORENTZ AVE.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH						1.0		
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH		1.0	1.0		1.0			
ETHERNET MANAGE SWITCH	EACH	1.0			1.0			1.0	
ETHERNET SWITCH	EACH						1.0	1.0	1.0
FIBER OPTIC SPLICE-MAINLINE	EACH			1.0		1.0			

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	EX. TWISTED PAIR INTERCONNECT
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. LATERAL FIBER SPLICE INTO EX. MAINLINE FIBER

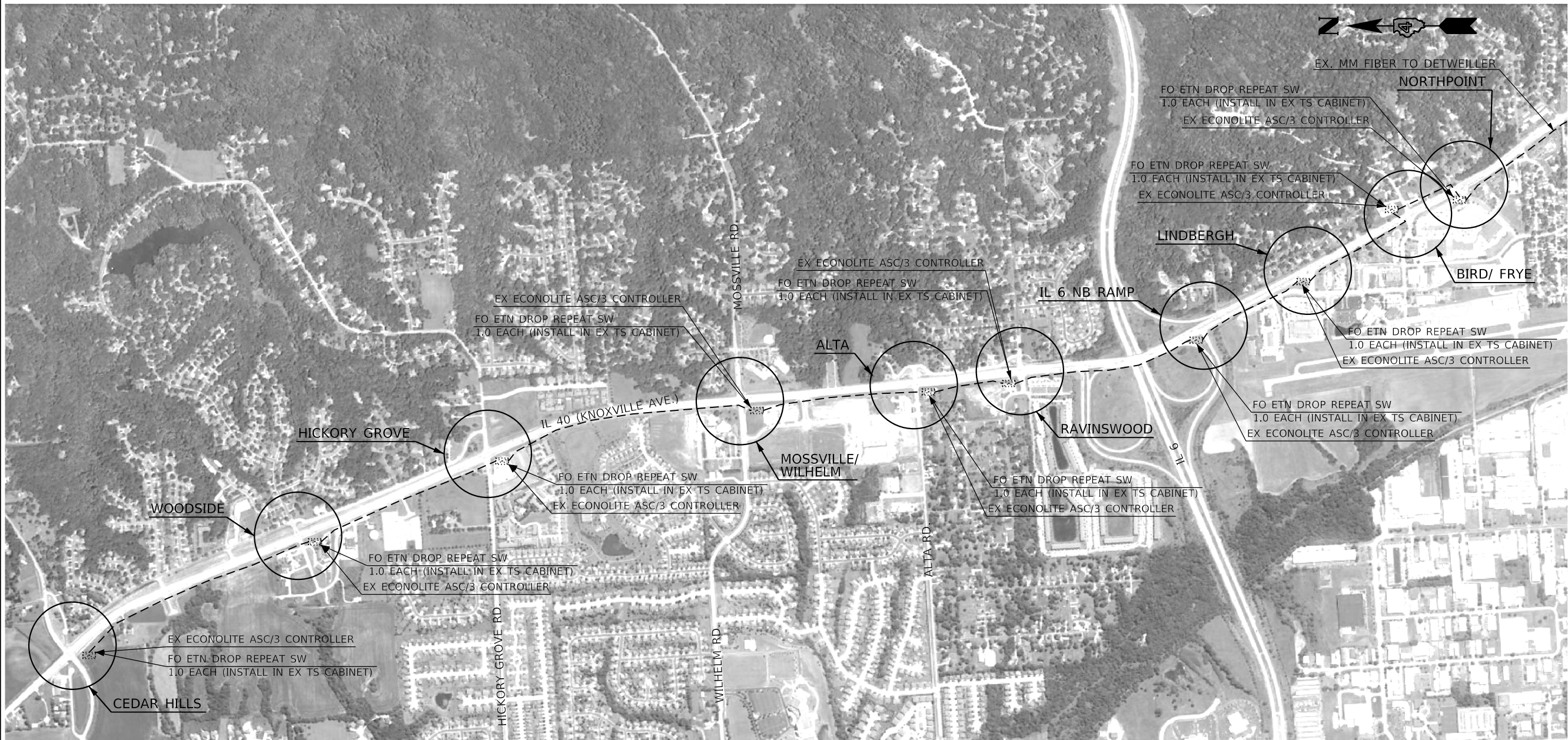
NOT TO SCALE

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		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	18
	PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -						CONTRACT NO. 68E20				
	PLOT DATE = \$DATES\$	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



NOT TO SCALE

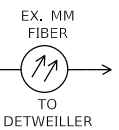
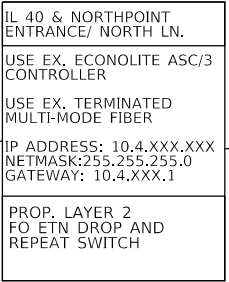
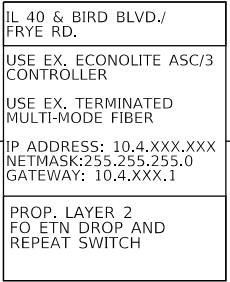
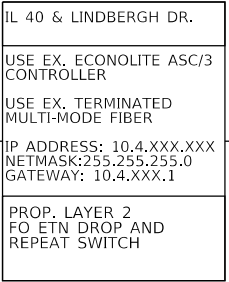
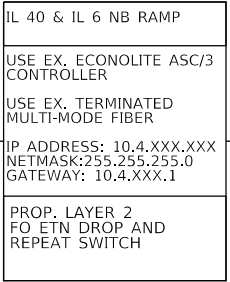
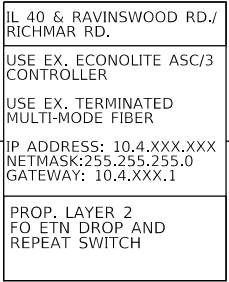
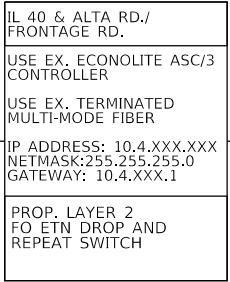
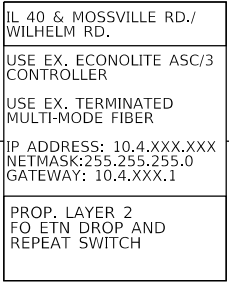
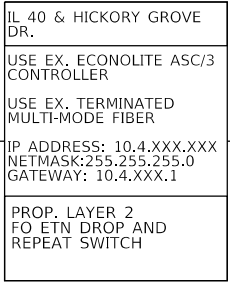
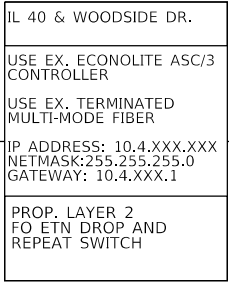
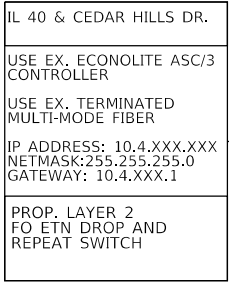
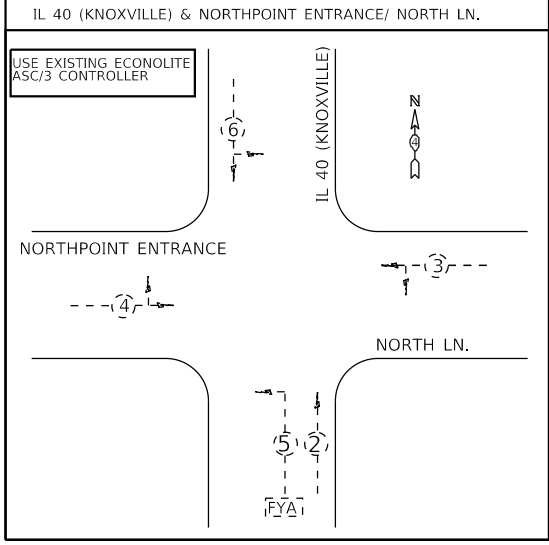
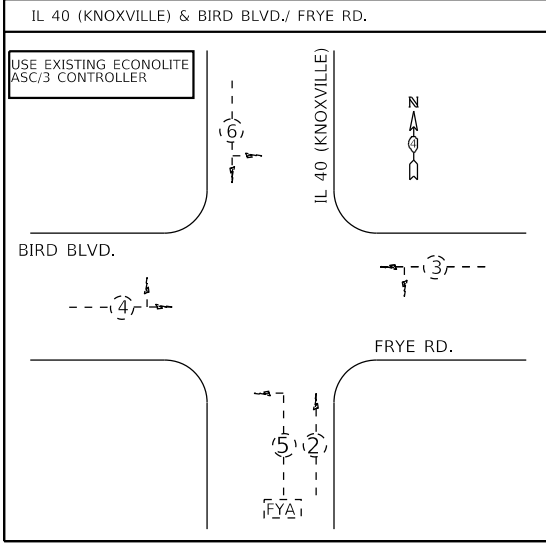
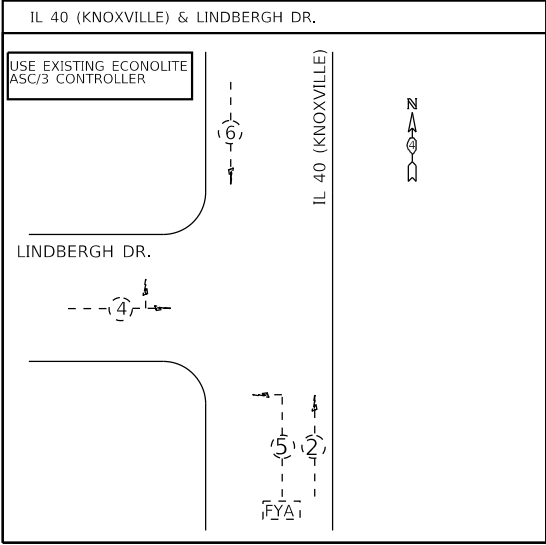
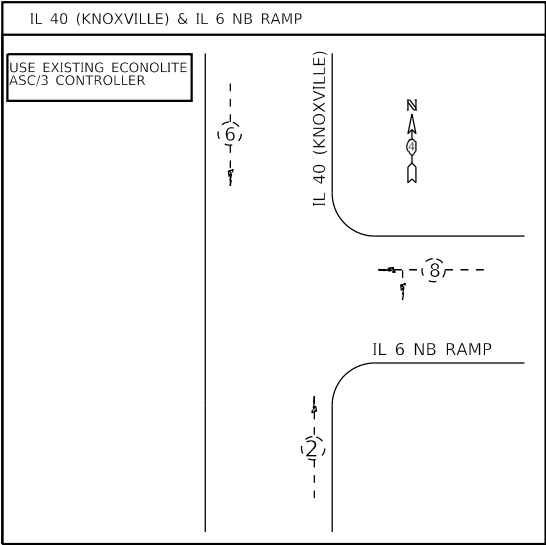
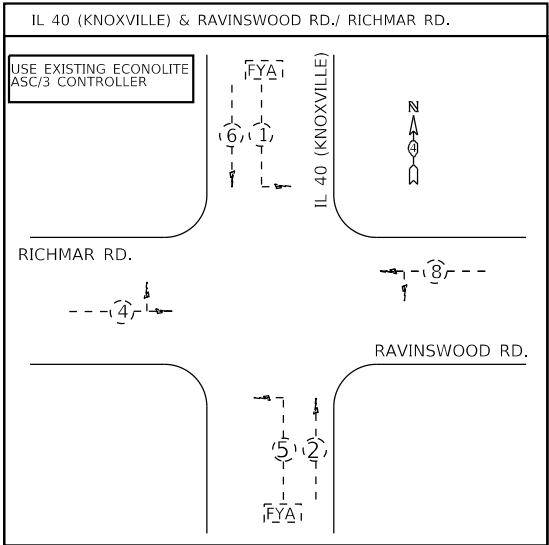
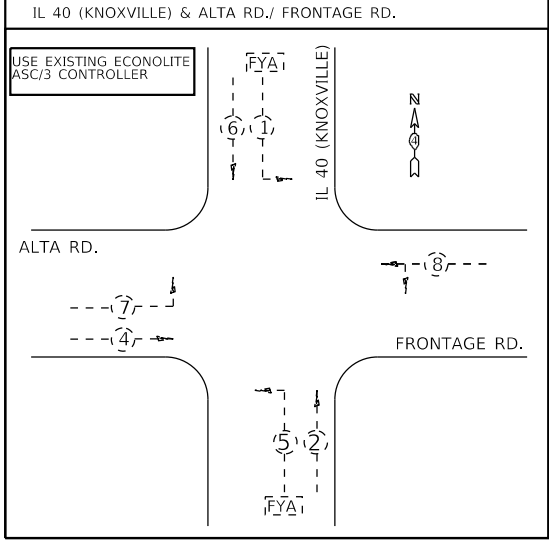
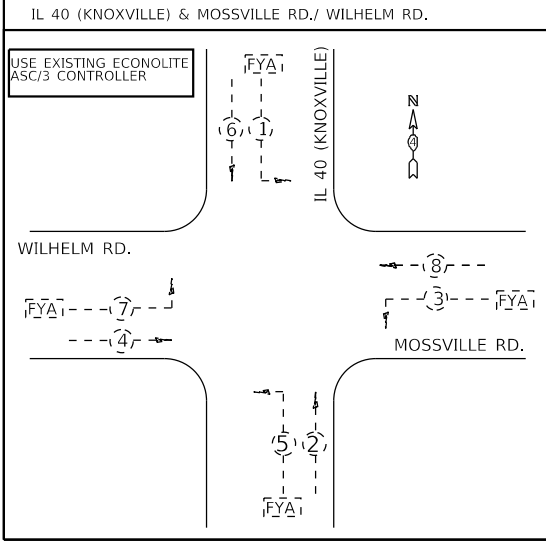
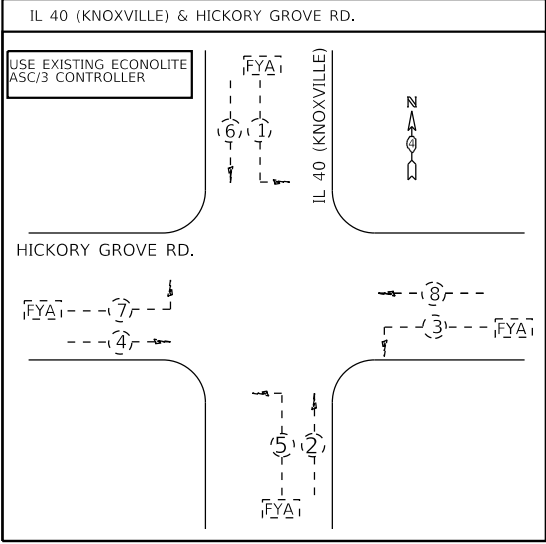
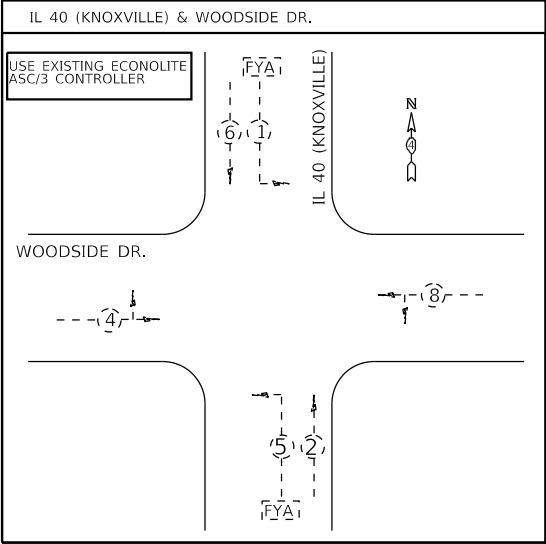
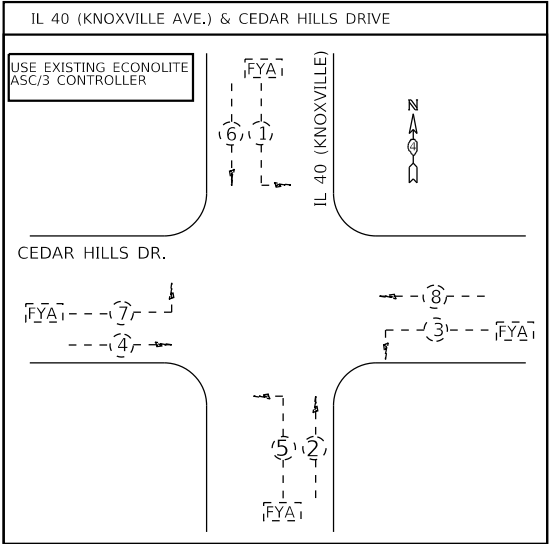
FILE NAME = \$FILEL\$	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS US 150 (WAR MEMORIAL) FROM IL 40 (KNOXVILLE) TO IL 29 RAMPS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	19
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -		CONTRACT NO. 68E20								
	PLOT DATE = \$DATES	DATE -	REVISED -										
	SCALE:		STA.		TO STA.								



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	10.0

SCHEDULE OF QUANTITIES											
ITEM DESCRIPTION	QTY.	IL 40 (KNOXVILLE AVE.) & CEDAR HILLS DR.	IL 40 (KNOXVILLE AVE.) & WOODSIDE DR.	IL 40 (KNOXVILLE AVE.) & HICKORY GROVE RD.	IL 40 (KNOXVILLE AVE.) & MOSSVILLE RD./ WILHELM RD.	IL 40 (KNOXVILLE AVE.) & ALTA RD.	IL 40 (KNOXVILLE AVE.) & RAVINSWOOD RD./ RICHMAR RD.	IL 40 (KNOXVILLE AVE.) & IL 6 NB RAMPS	IL 40 (KNOXVILLE AVE.) & LINDBERGH DR.	IL 40 (KNOXVILLE AVE.) & BIRD BLVD./ FRYE RD.	IL 40 (KNOXVILLE AVE.) & NORTHPOINT ENTR./ NORTH LN.
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TRAFFIC SIGNAL LEGEND		
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET	
	EX. MULTI-MODE FIBER	



NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS IL 40 (KNOXVILLE) FROM CEDAR HILLS DR. TO NORTHPOINT ENTRANCE	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	21
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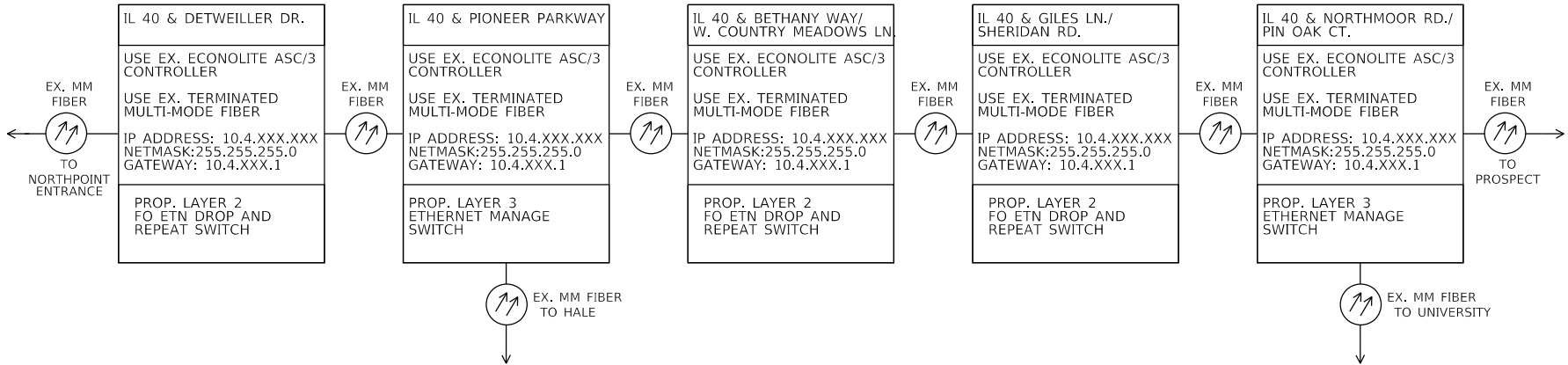
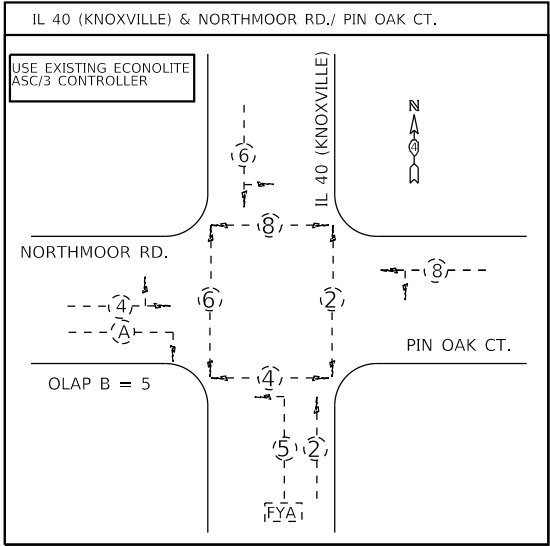
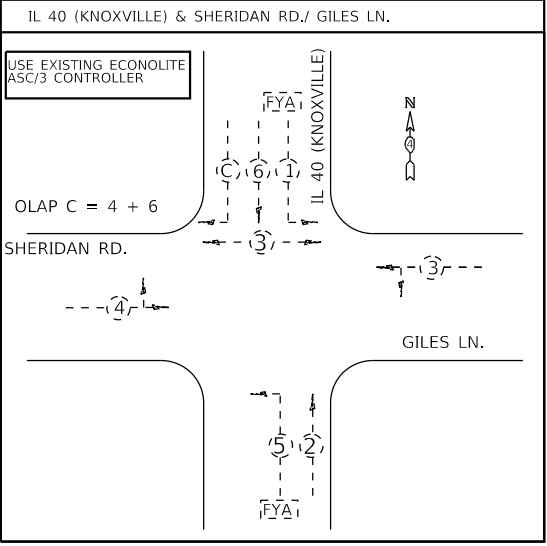
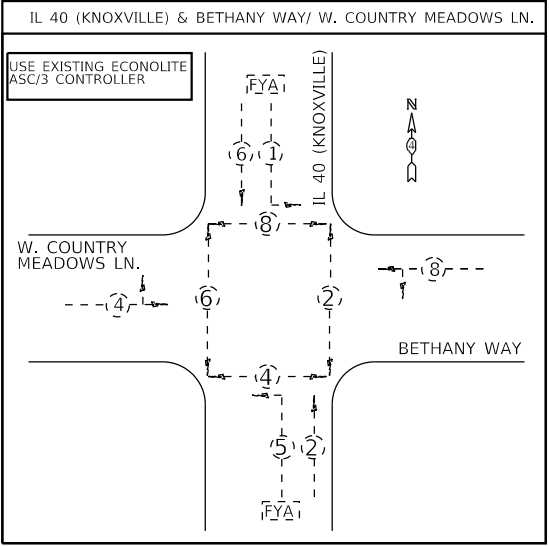
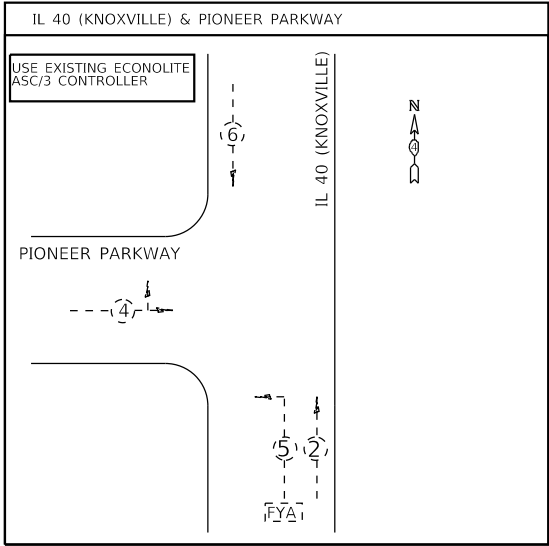
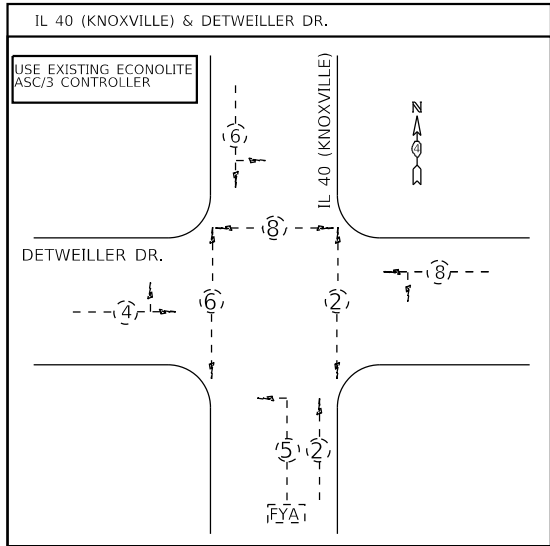
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	3.0
ETHERNET MANAGE SWITCH	EACH	2.0

SCHEDULE OF QUANTITIES						
ITEM DESCRIPTION	QTY.	IL 40 (KNOXVILLE AVE.) & DETWEILLER DR.	IL 40 (KNOXVILLE AVE.) & PIONEER PARKWAY	IL 40 (KNOXVILLE AVE.) & BETHANY WAY	IL 40 (KNOXVILLE AVE.) & GILES LN. / SHERIDAN RD.	IL 40 (KNOXVILLE AVE.) & NORTHMOOR RD. / PIN OAK CT.
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0		1.0	1.0	
ETHERNET MANAGE SWITCH	EACH		1.0			1.0

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER

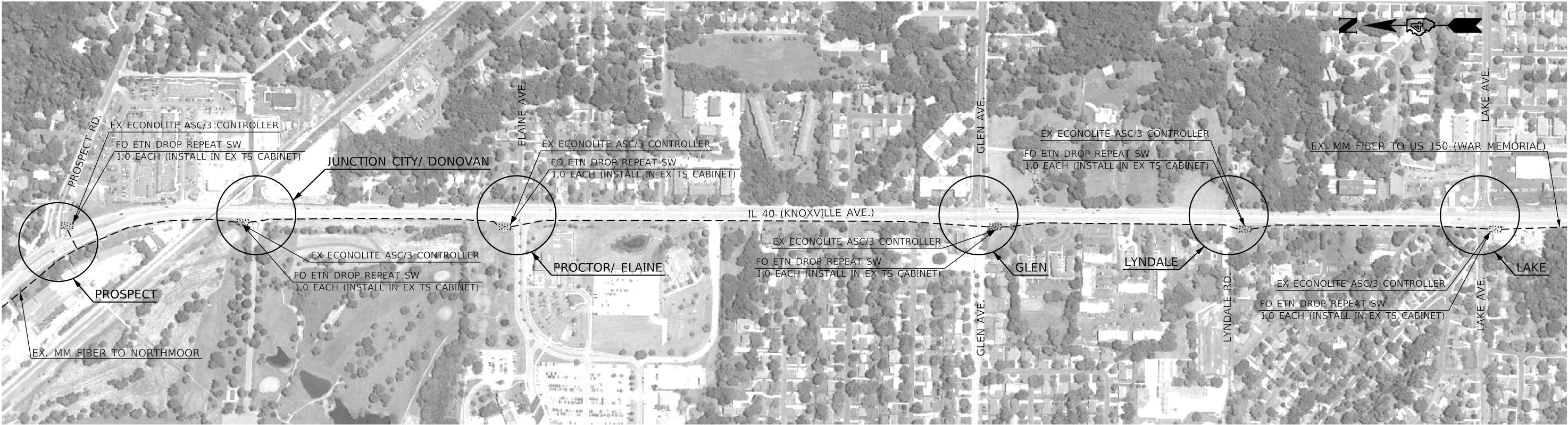
NOT TO SCALE

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		DRAWN -	REVISED -								
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	PLOT DATE = \$DATES	DATE -	REVISED -				CONTRACT NO. 68E20				
					SCALE:		STA.	TO STA.		ILLINOIS FED. AID PROJECT	



NOT TO SCALE

FILE NAME = \$FILEL\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS IL 40 (KNOXVILLE) FROM DETWEILLER DR. TO NORTHMOOR RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	23
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						SCALE:		STA.	TO STA.	CONTRACT NO. 68E20
							ILLINOIS	FED. AID PROJECT		



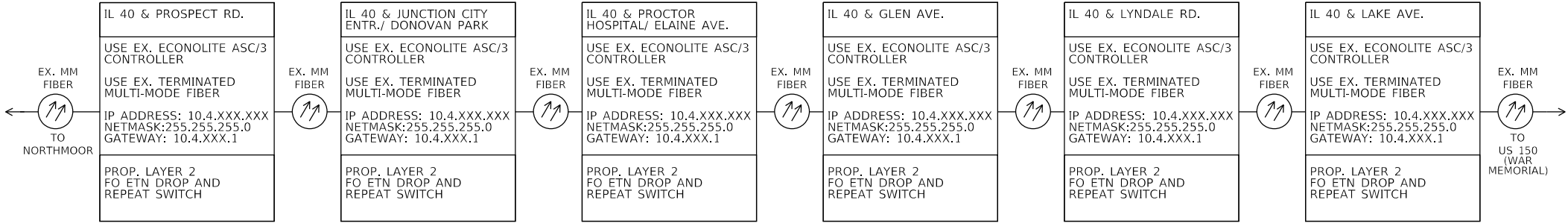
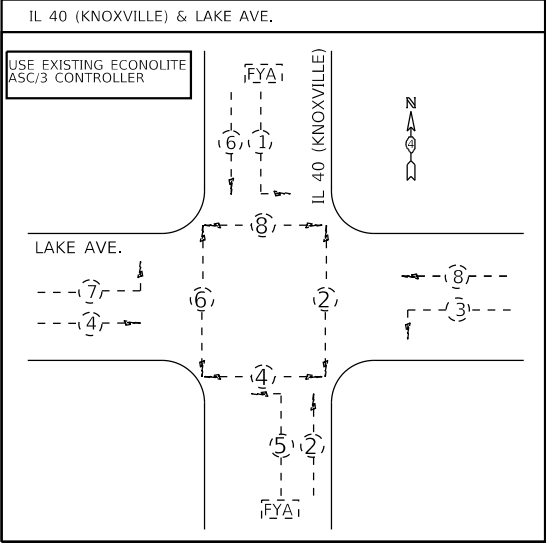
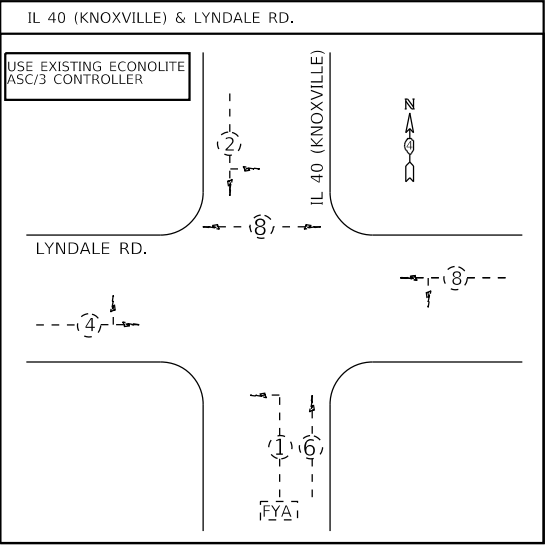
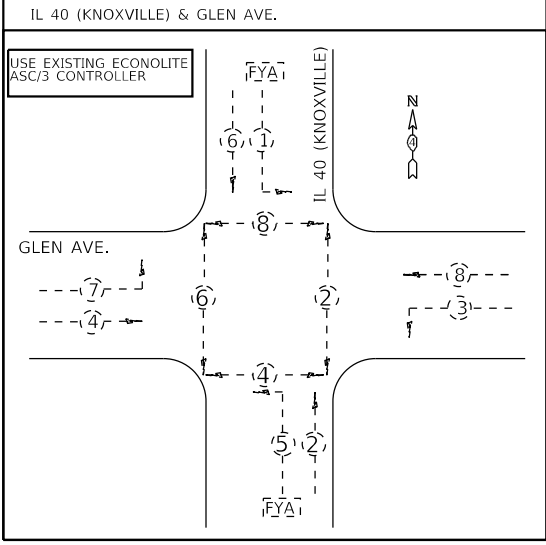
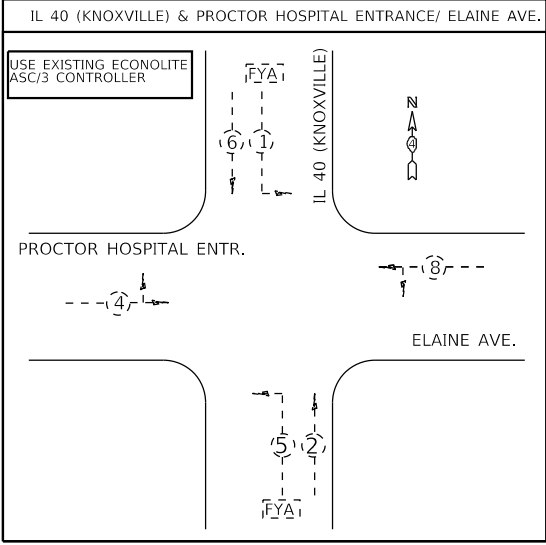
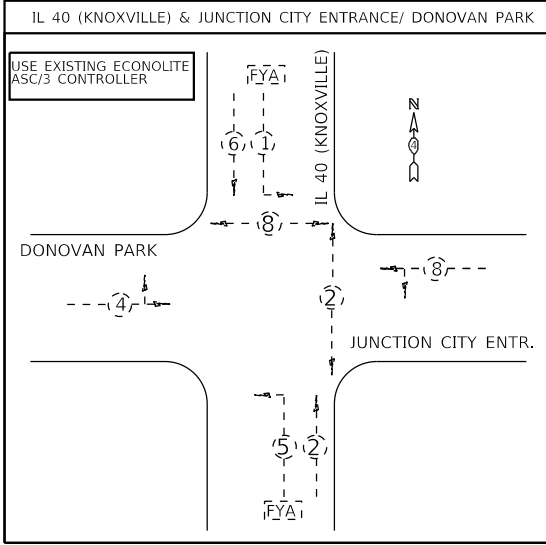
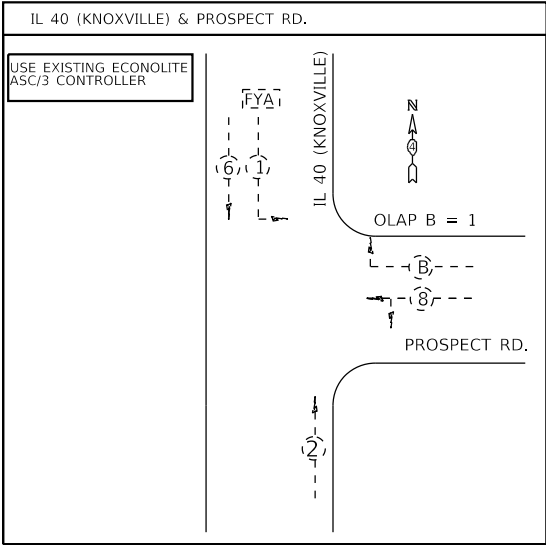
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	6.0

SCHEDULE OF QUANTITIES							
ITEM DESCRIPTION	QTY.	IL 40 (KNOXVILLE AVE.) & PROSPECT RD.	IL 40 (KNOXVILLE AVE.) & JUNCTION CITY ENTRANCE / DONOVAN PARK	IL 40 (KNOXVILLE AVE.) & PROCTOR HOSPITAL ENTRANCE / ELAINE AVE.	IL 40 (KNOXVILLE AVE.) & GLEN AVE.	IL 40 (KNOXVILLE AVE.) & LYNDALE RD.	IL 40 (KNOXVILLE AVE.) & LAKE AVE.
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0	1.0	1.0	1.0

TRAFFIC SIGNAL LEGEND			
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET		
	EX. MULTI-MODE FIBER		

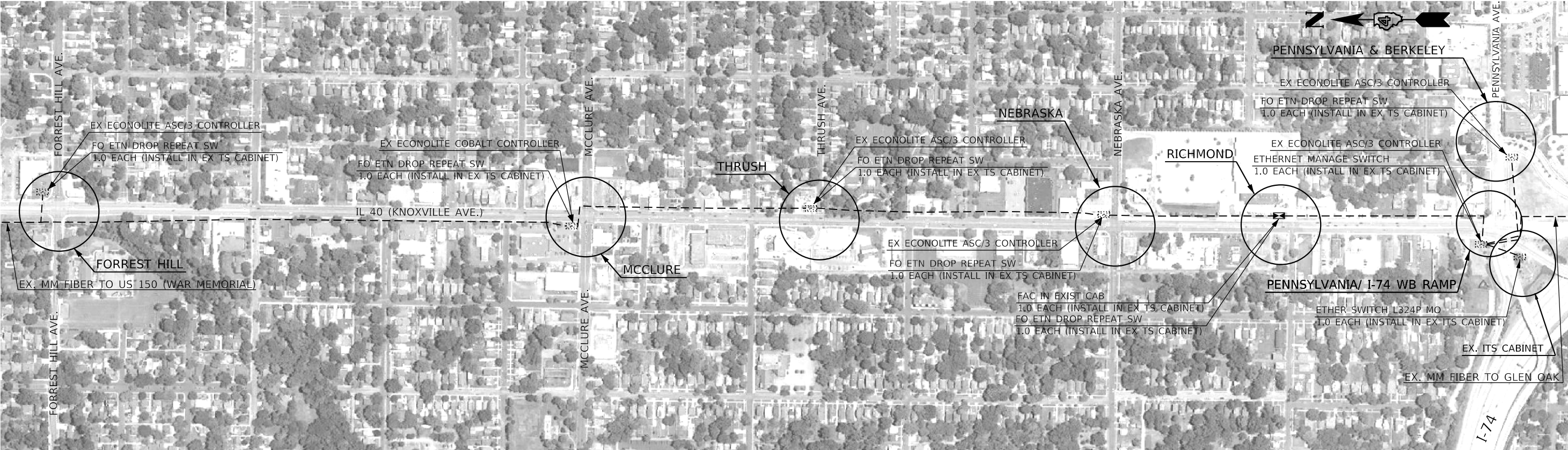
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		DRAWN -	REVISED -									
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	PLOT DATE = \$DATES	DATE -	REVISED -				CONTRACT NO. 68E20					
SCALE:				STA.	TO STA.		ILLINOIS FED. AID PROJECT					



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS IL 40 (KNOXVILLE) FROM PROSPECT RD. TO LAKE AVE.				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	DATE -	REVISED -	ILLINOIS FED. AID PROJECT										
				SCALE:		STA.	TO STA.						



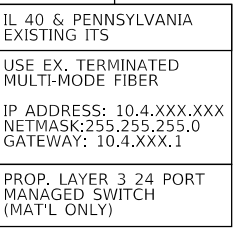
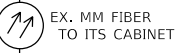
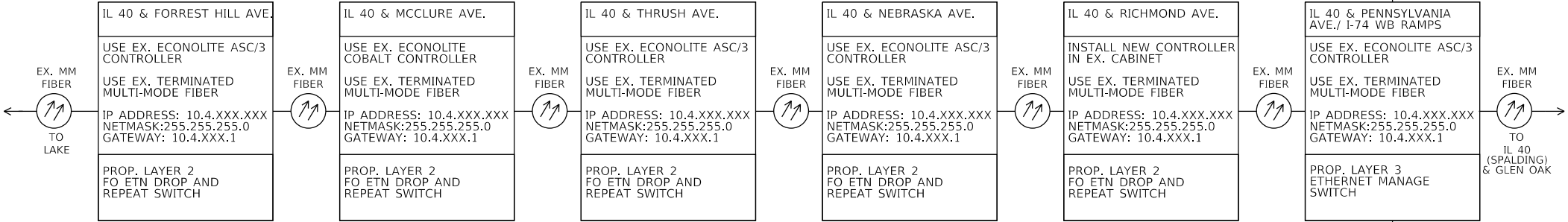
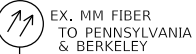
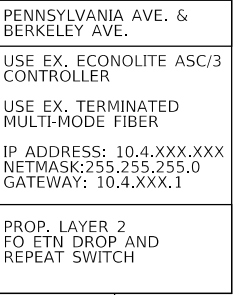
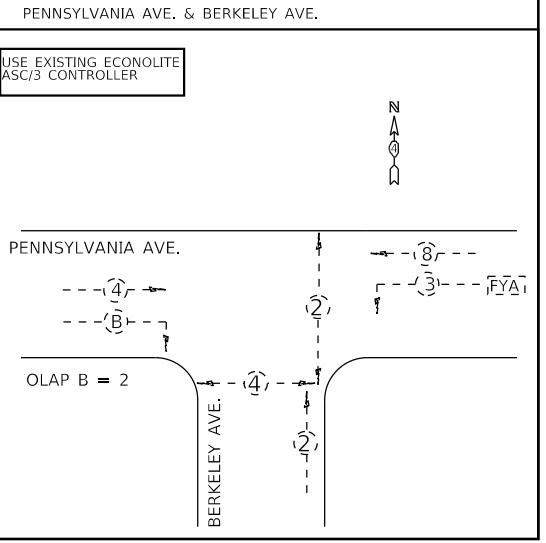
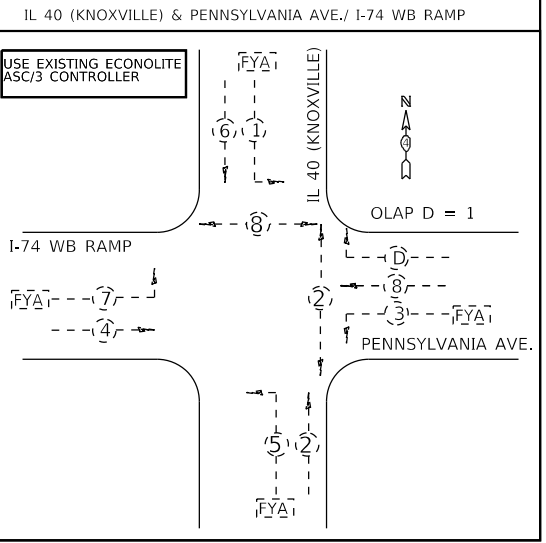
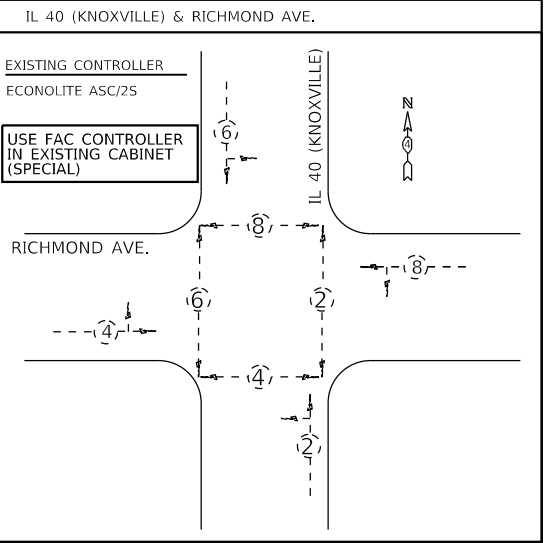
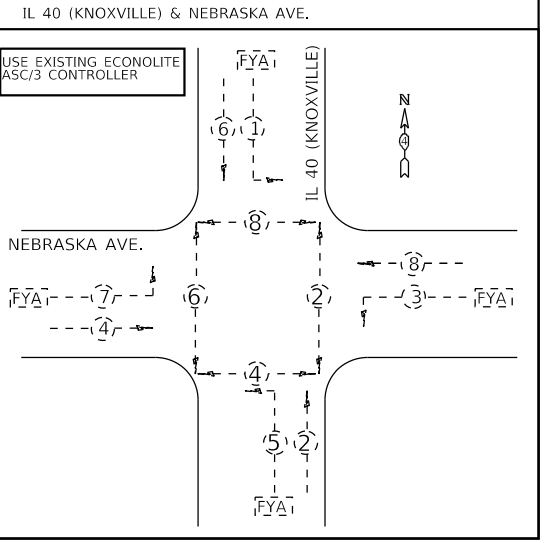
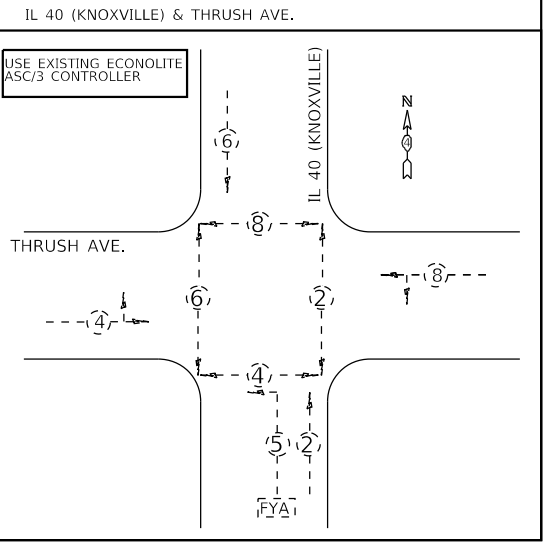
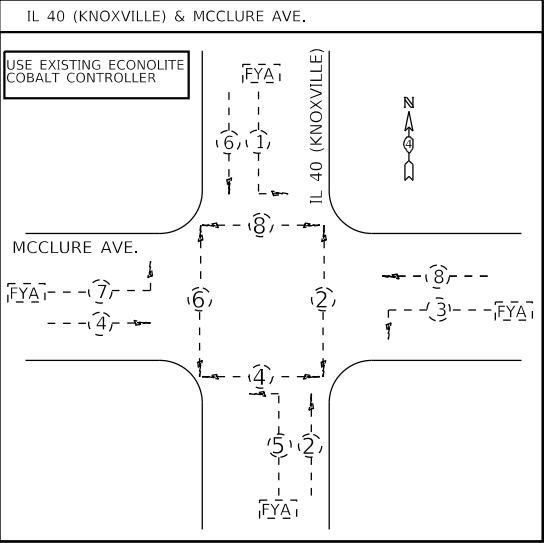
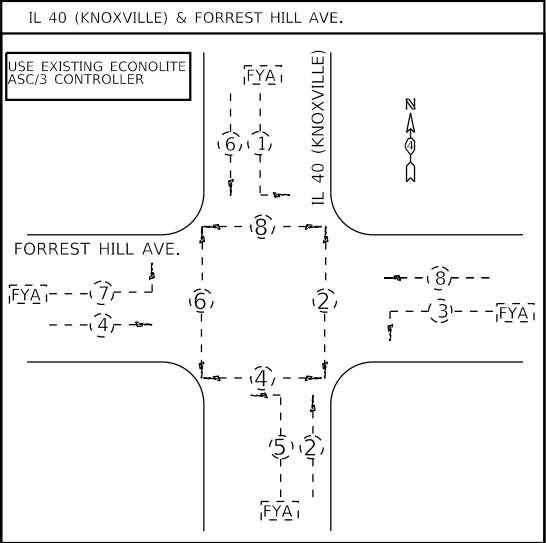
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	6.0
ETHERNET MANAGE SWITCH	EACH	1.0
ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY)	EACH	1.0

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

SCHEDULE OF QUANTITIES									
ITEM DESCRIPTION	QTY.	IL 40 (KNOXVILLE AVE.) & FORREST HILL AVE.	IL 40 (KNOXVILLE AVE.) & MCCLURE AVE.	IL 40 (KNOXVILLE AVE.) & THRUSH AVE.	IL 40 (KNOXVILLE AVE.) & NEBRASKA AVE.	IL 40 (KNOXVILLE AVE.) & RICHMOND AVE.	IL 40 (KNOXVILLE AVE.) & PENNSYLVANIA AVE. / I-74 WB RAMPS	PENNSYLVANIA AVE. & BERKELEY AVE.	IL 40 (KNOXVILLE AVE.) & PENNSYLVANIA AVE. EX. ITS CABINET
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH					1.0			
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0	1.0	1.0		1.0	
ETHERNET MANAGE SWITCH	EACH						1.0		
ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY)	EACH								1.0

NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG IL 40 (KNOXVILLE AVE.) FROM PROSPECT RD. TO LAKE AVE.	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALES\$	DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	26
	PLOT DATE = \$DATES\$	CHECKED -	REVISED -						CONTRACT NO. 68E20				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS IL 40 (KNOXVILLE) FROM PROSPECT RD. TO LAKE AVE.	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	27
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	PLOT DATE = \$DATES\$	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



SEE SHEET 79 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG UNIVERSITY ST. FROM PIONEER PARKWAY TO MIRARMAR DR.

SEE SHEET 80 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG UNIVERSITY ST. FROM ICC ENTRANCE TO GLEN AVE.

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	8.0

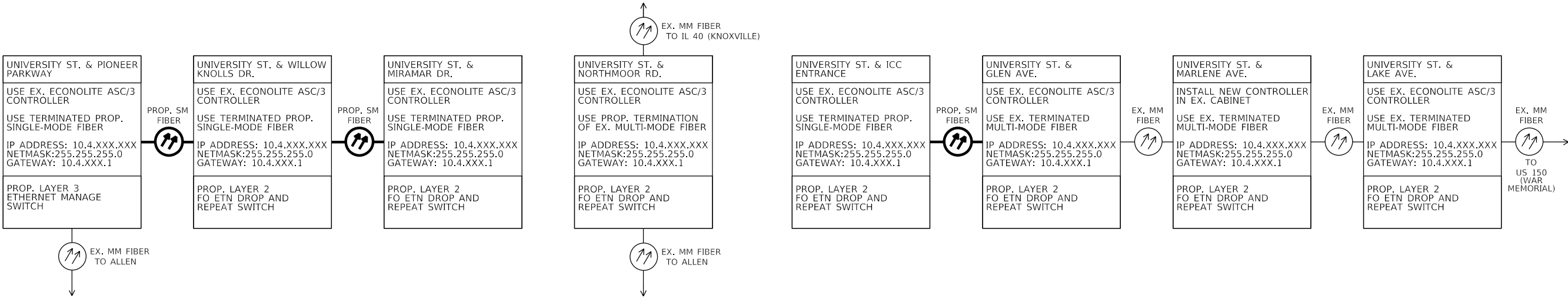
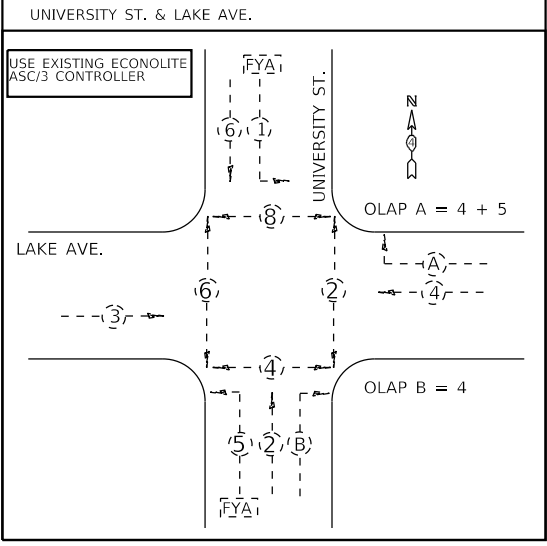
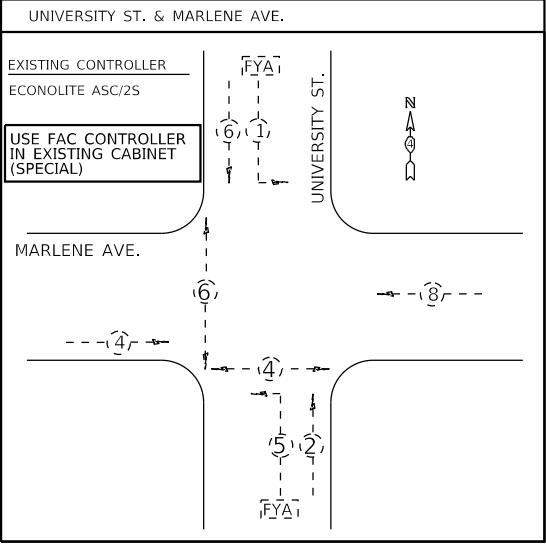
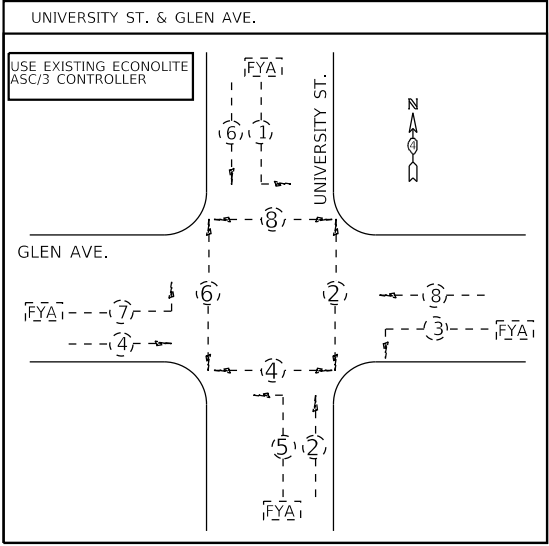
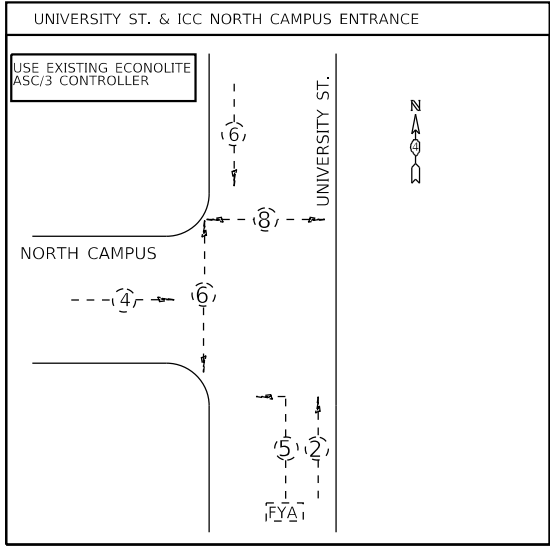
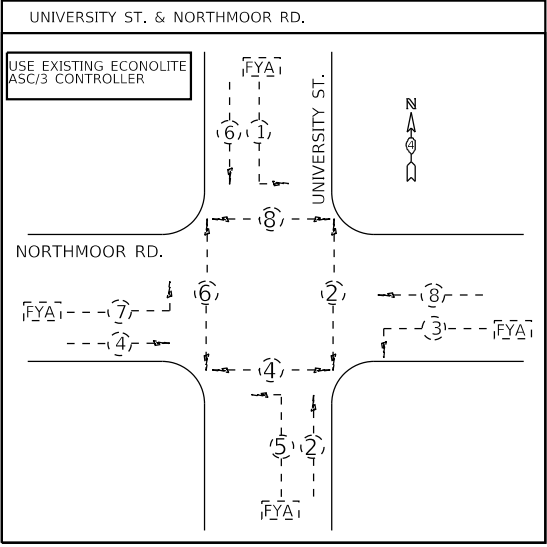
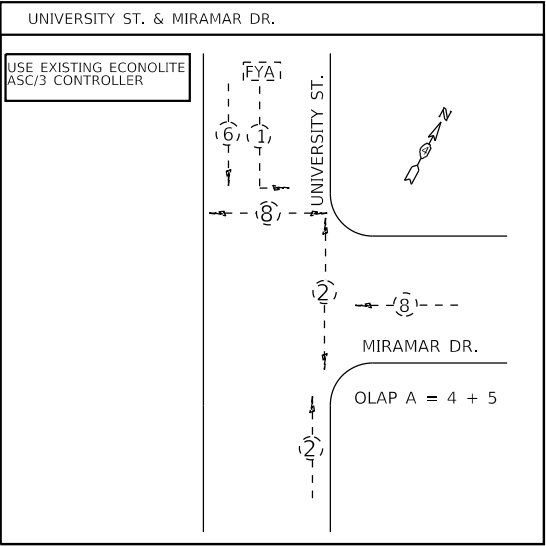
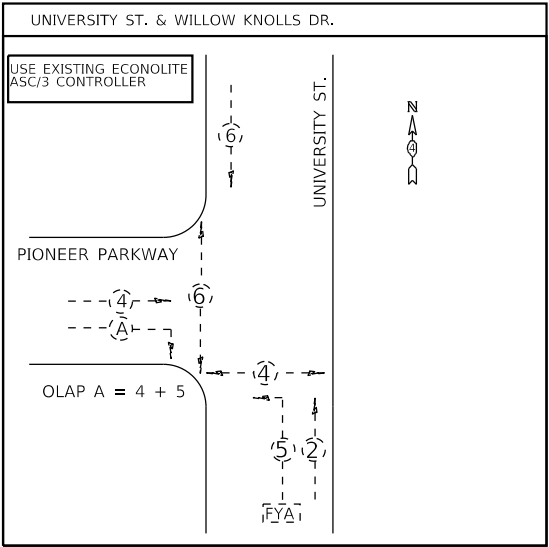
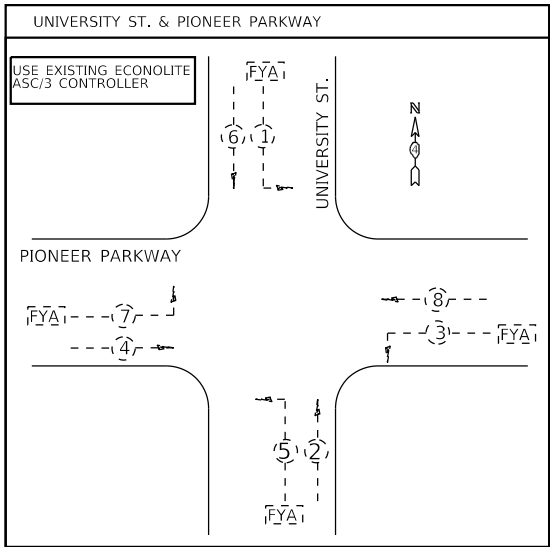
FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

SCHEDULE OF QUANTITIES									
ITEM DESCRIPTION	QTY.	UNIVERSITY ST. & PIONEER PARKWAY	UNIVERSITY ST. & WILLOW KNOLLS DR.	UNIVERSITY ST. & MIRAMAR DR.	UNIVERSITY ST. & NORTHMOOR RD.	UNIVERSITY ST. & ICC ENTRANCE	UNIVERSITY ST. & GLEN AVE.	UNIVERSITY ST. & MARLENE AVE.	UNIVERSITY ST. & LAKE AVE.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH							1.0	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

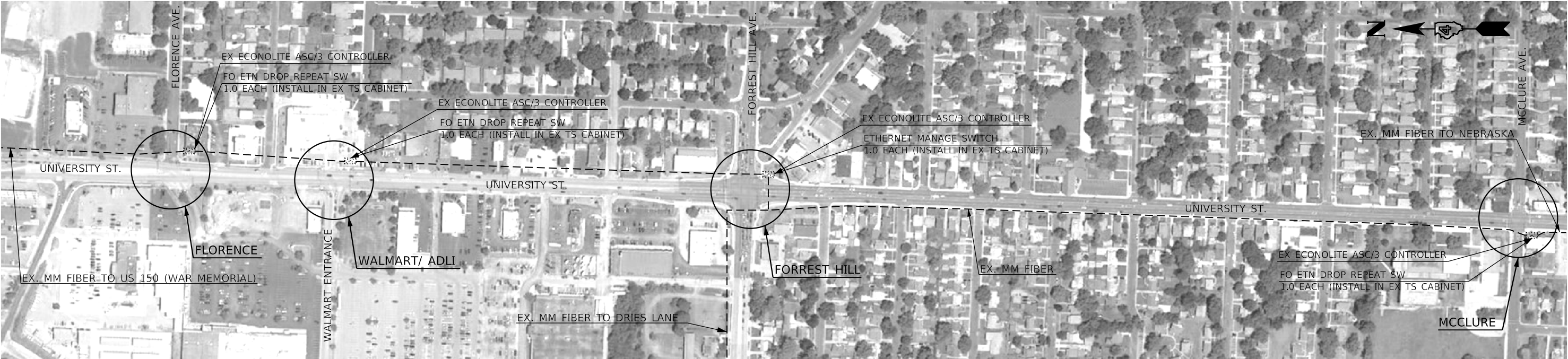
NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG UNIVERSITY ST. FROM PIONEER PARKWAY TO LAKE AVE.	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	28
	PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -						CONTRACT NO. 68E20				
	PLOT DATE = \$DATES\$	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS UNIVERSITY ST. FROM PIONEER PARKWAY TO LAKE AVE.					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -											
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -		VAR.	D4 ITS 2018	PEORIA		87	29				
	PLOT DATE = \$DATES	DATE -	REVISED -		CONTRACT NO. 68E20									
					SCALE:		STA.	TO STA.	ILLINOIS FED. AID PROJECT					



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	3.0
ETHERNET MANAGE SWITCH	EACH	1.0

SCHEDULE OF QUANTITIES					
ITEM DESCRIPTION	QTY.	UNIVERSITY ST. & FLORENCE AVE.	UNIVERSITY ST. & WALMART ENTRANCE / ALDI ENTRANCE	UNIVERSITY ST. & FORREST HILL AVE.	UNIVERSITY ST. & MCCLURE ST.
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0		1.0
ETHERNET MANAGE SWITCH	EACH			1.0	

TRAFFIC SIGNAL LEGEND

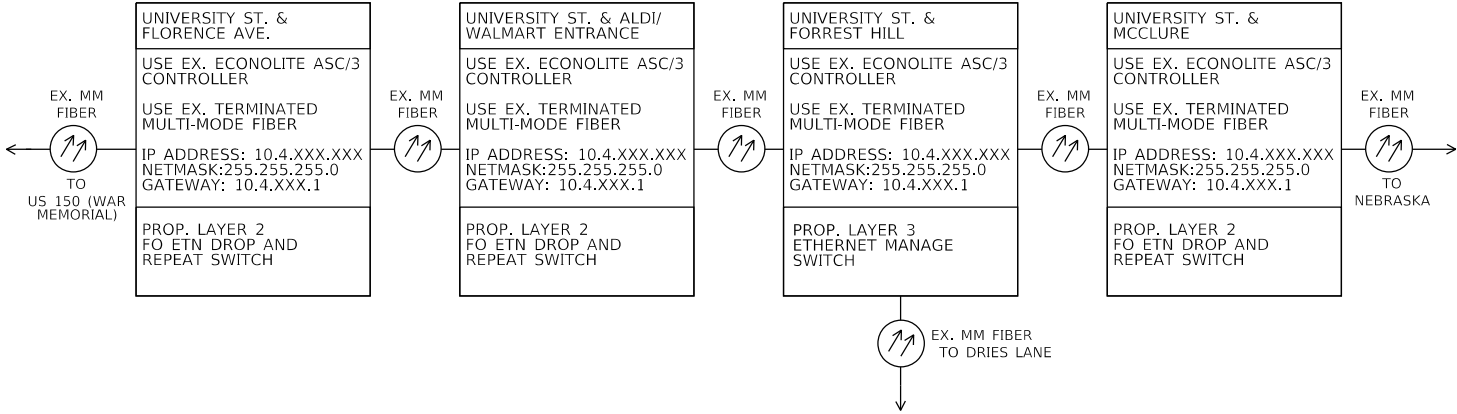
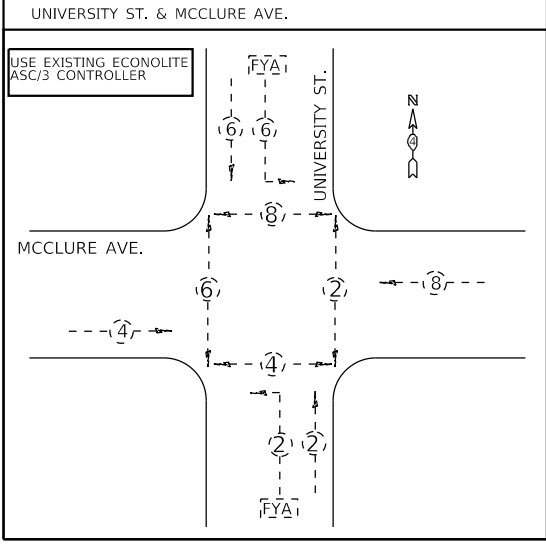
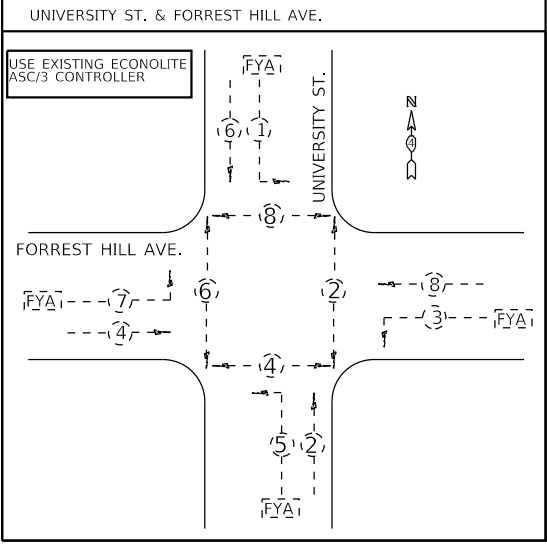
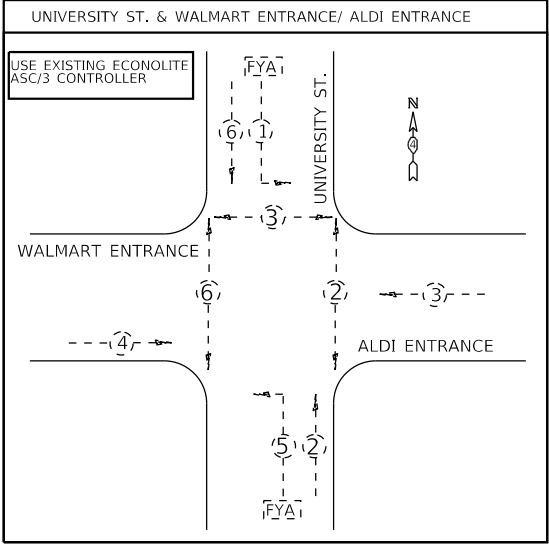
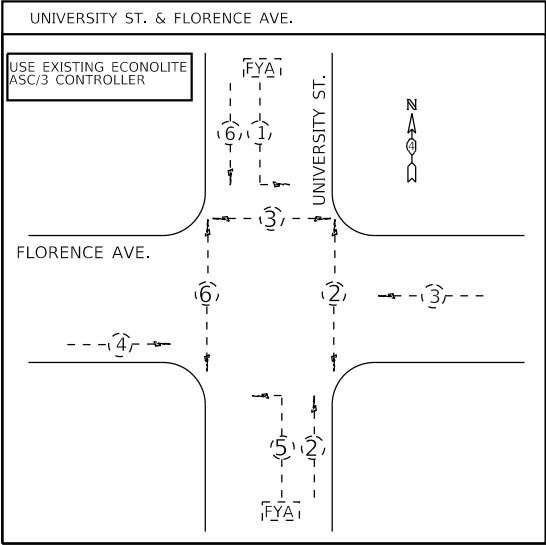


EX. TRAFFIC SIGNAL CONTROLLER AND CABINET



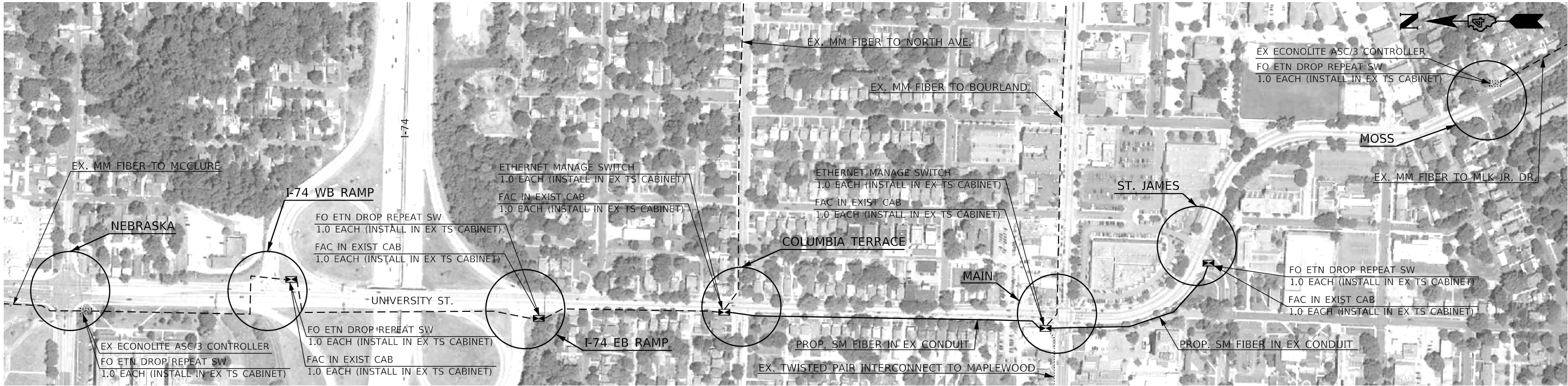
EX. MULTI-MODE FIBER

NOT TO SCALE



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS UNIVERSITY ST. FROM FLORENCE AVE. TO MCCLURE AVE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	31
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -					CONTRACT NO. 68E20		
	PLOT DATE = \$DATES	DATE -	REVISED -			SCALE:		STA.	TO STA.	ILLINOIS



SEE SHEET 81 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG UNIVERSITY ST. FROM COLUMBIA TERRACE TO ST. JAMES ST.

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	5.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	5.0
ETHERNET MANAGE SWITCH	EACH	2.0

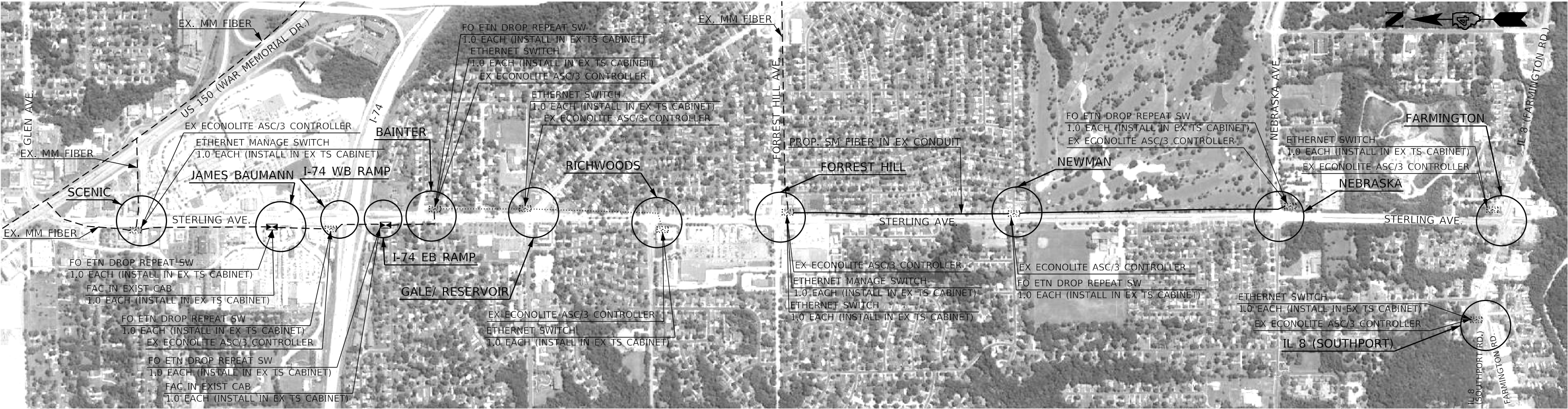
FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

SCHEDULE OF QUANTITIES								
ITEM DESCRIPTION	QTY.	UNIVERSITY ST. & NEBRASKA AVE.	UNIVERSITY ST. & I-74 WB RAMPS	UNIVERSITY ST. & I-74 EB RAMPS	UNIVERSITY ST. & COLUMBIA TERRACE	UNIVERSITY ST. & MAIN ST.	UNIVERSITY ST. & ST. JAMES ST.	UNIVERSITY ST. & MOSS AVE. / MACARTHUR HWY.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH		1.0	1.0	1.0	1.0	1.0	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0			1.0	1.0
ETHERNET MANAGE SWITCH	EACH				1.0	1.0		

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	EX. TWISTED-PAIR INTERCONNECT
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG UNIVERSITY ST. FROM NEBRASKA AVE. TO MOSS AVE/MACARTHUR HIGHWAY				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -										
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -		VAR.	D4 ITS 2018	PEORIA	87	32				
	PLOT DATE = \$DATES	DATE -	REVISED -		CONTRACT NO. 68E20								
SCALE:				STA.	TO STA.		ILLINOIS FED. AID PROJECT						



SEE SHEET 82 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG STERLING AVE. FROM FORREST HILL AVE. TO NEBRASKA AVE.

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	3.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	6.0
ETHERNET MANAGE SWITCH	EACH	2.0
ETHERNET SWITCH	EACH	5.0

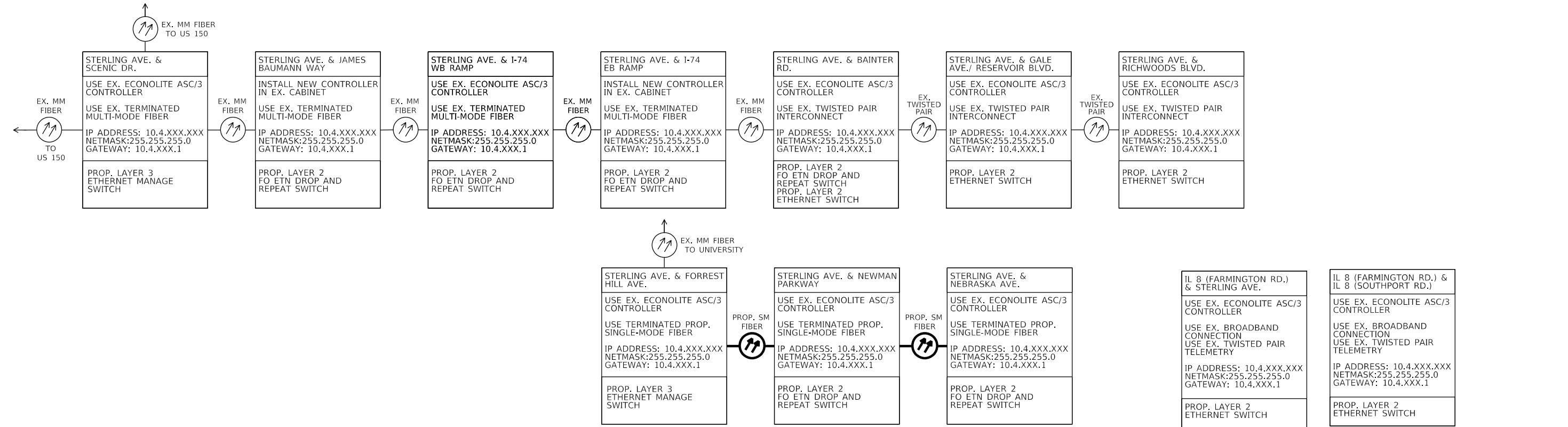
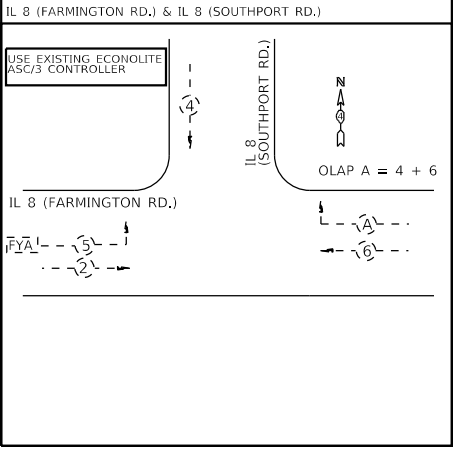
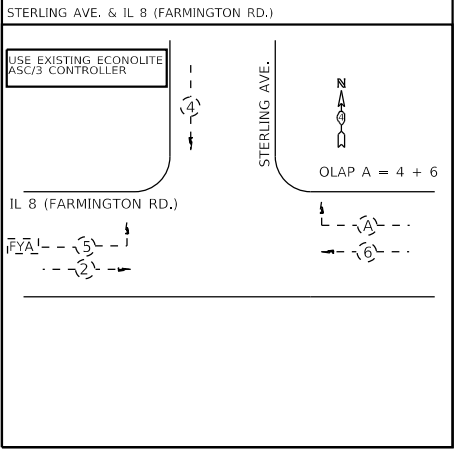
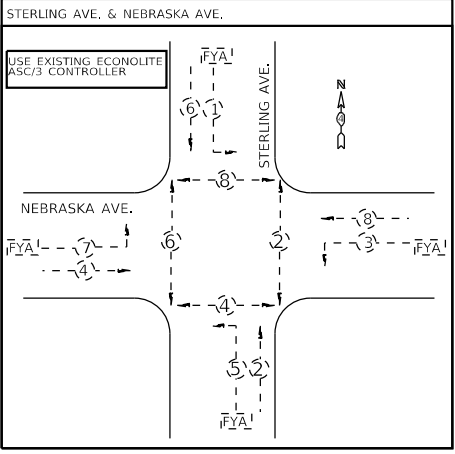
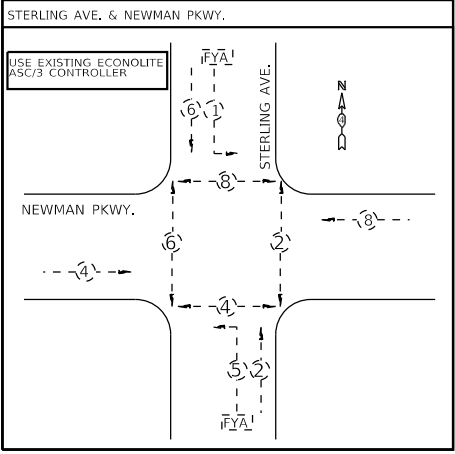
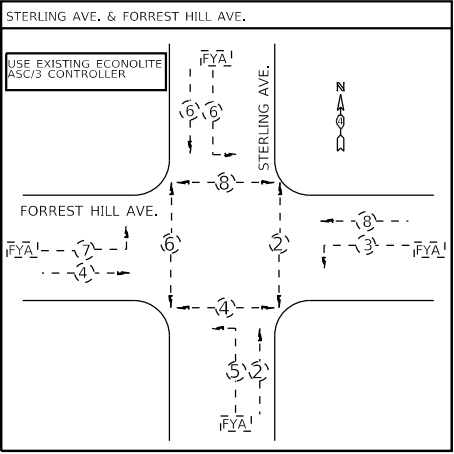
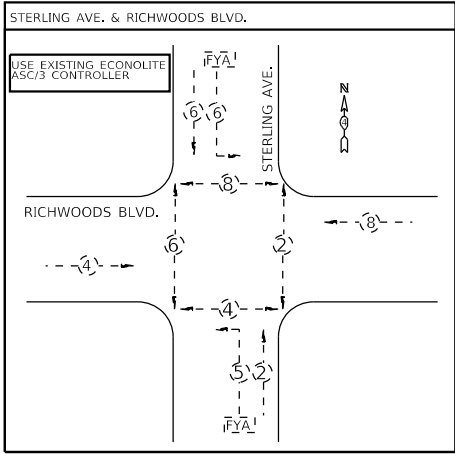
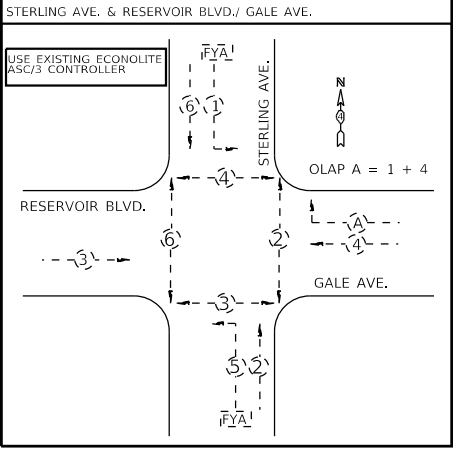
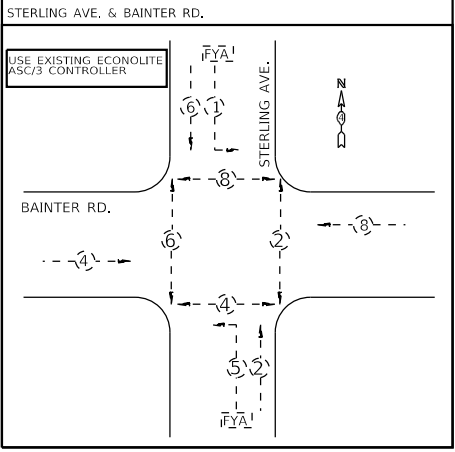
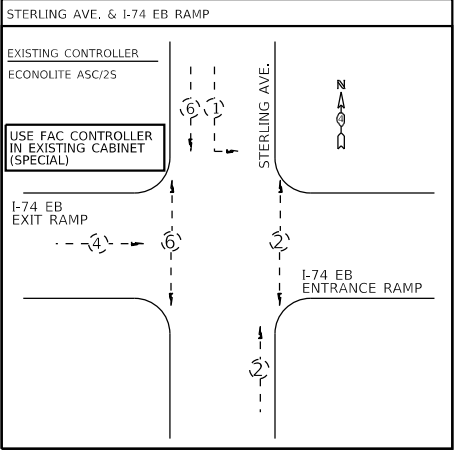
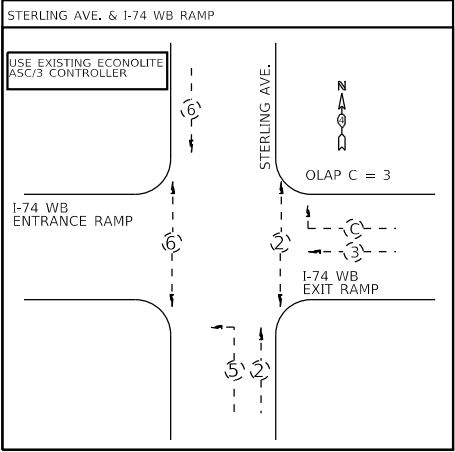
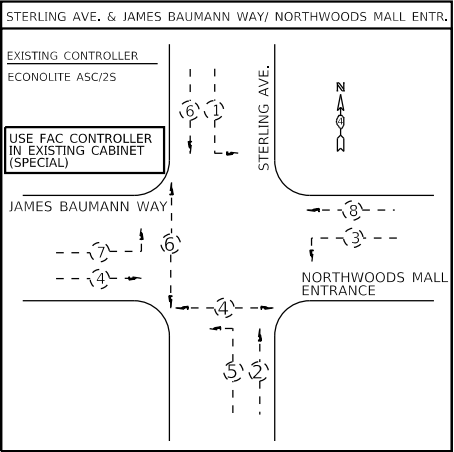
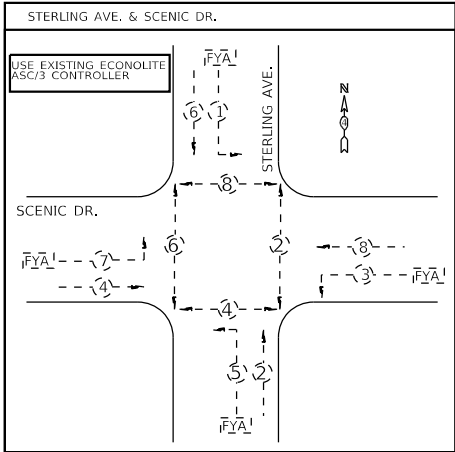
FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	EX. TWISTED-PAIR INTERCONNECT
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

SCHEDULE OF QUANTITIES													
ITEM DESCRIPTION	QTY.	STERLING AVE. & SCENIC DR.	STERLING AVE. & JAMES BAUMANN WAY/ NORTHWOODS MALL ENTRANCE	STERLING AVE. & I-74 WB RAMPS	STERLING AVE. & I-74 EB RAMPS	STERLING AVE. & BAINTER RD.	STERLING AVE. & GALE AVE. / RESERVOIR BLVD.	STERLING AVE. & RICHWOODS BLVD.	STERLING AVE. & FORREST HILL AVE.	STERLING AVE. & NEWMAN PARKWAY	STERLING AVE. & NEBRASKA AVE.	STERLING AVE. & IL 8 (FARMINGTON RD.)	IL 8 (SOUTHPORT RD.) & FARMINGTON RD.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH		1.0		1.0								
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH		1.0	1.0	1.0	1.0				1.0	1.0		
ETHERNET MANAGE SWITCH	EACH	1.0							1.0				
ETHERNET SWITCH	EACH					1.0	1.0	1.0				1.0	1.0

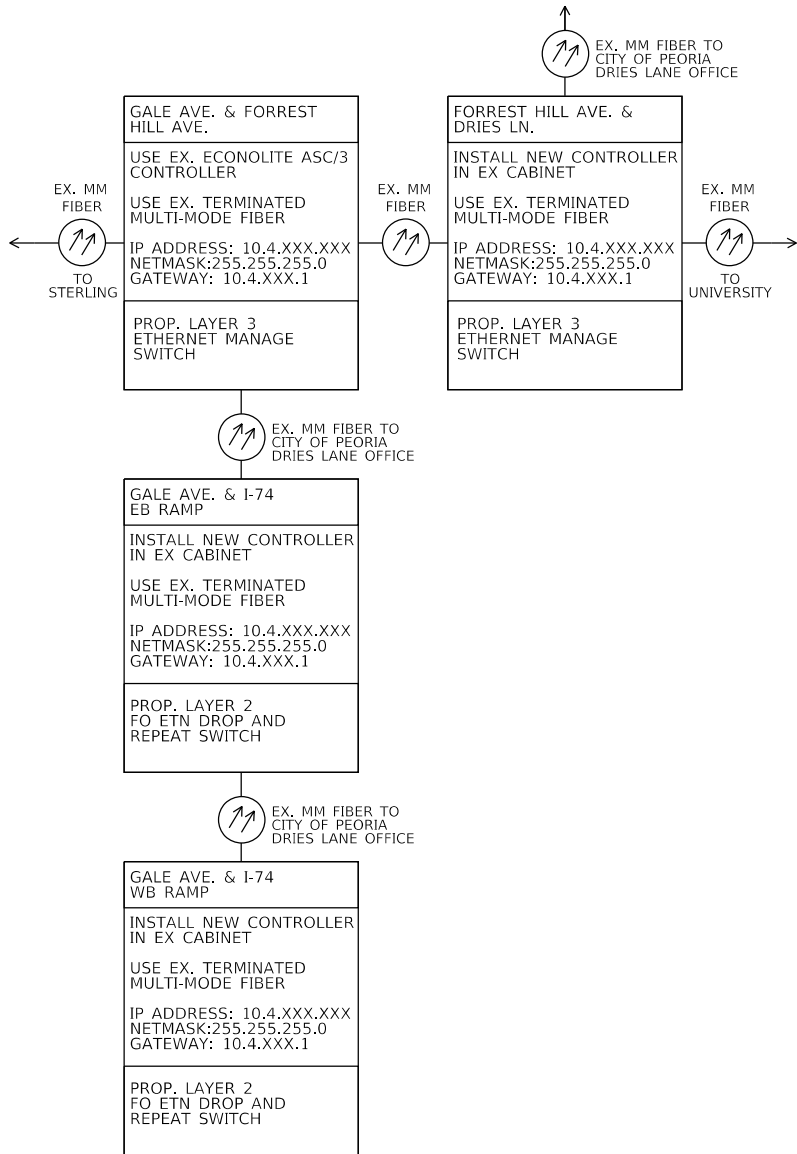
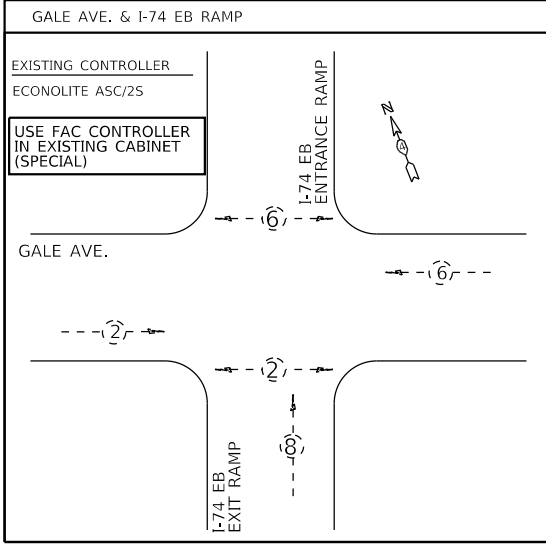
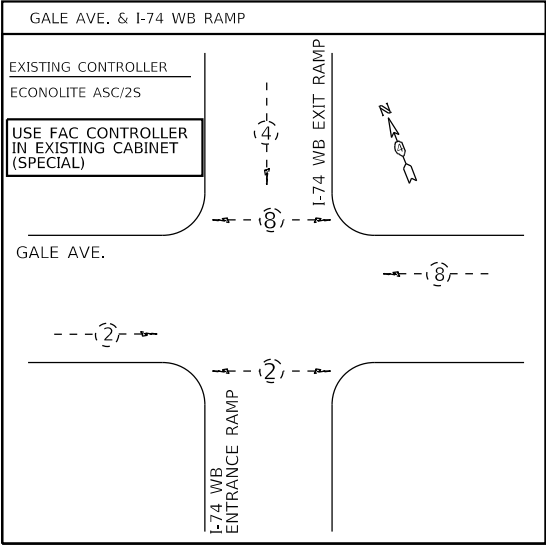
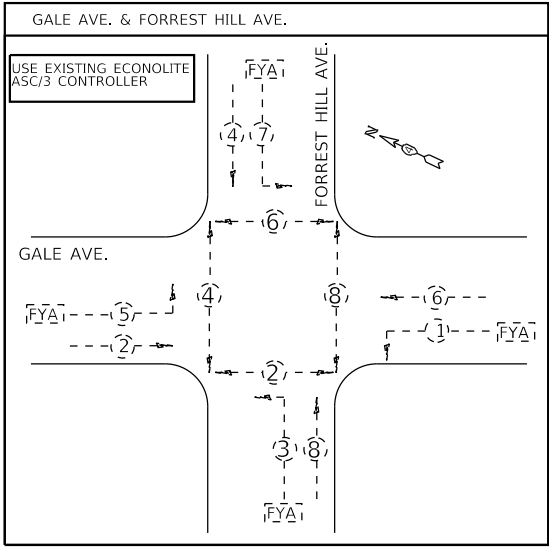
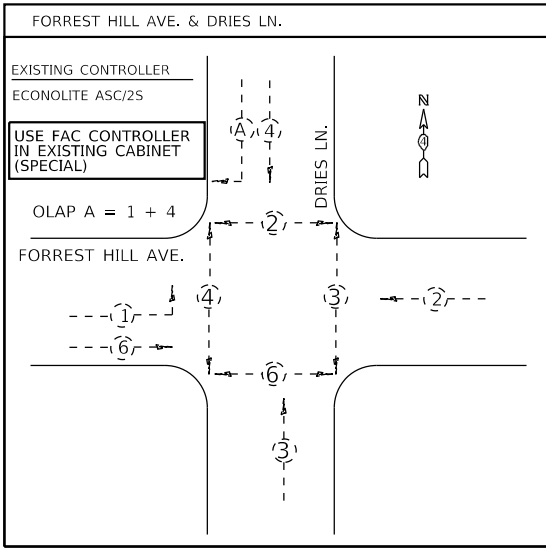
NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG STERLING AVE. FROM SCENIC DR. TO FARMINGTON RD.	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	34
	PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -						CONTRACT NO. 68E20				
	PLOT DATE = \$DATES\$	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS STERLING AVE. FROM SCENIC DR. TO FARMINGTON RD.	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	35
	PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -						CONTRACT NO. 68E20				
	PLOT DATE = \$DATES\$	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



NOT TO SCALE

FILE NAME = \$FILE\$	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS GALE AVE. FROM I-74 WB RAMP TO FORREST HILL & DRIES LN.		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				VAR.	D4 ITS 2018	PEORIA	87	37
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -								
	PLOT DATE = \$DATES	DATE -	REVISED -								
					SCALE:		STA.	TO STA.			
					CONTRACT NO. 68E20						
					ILLINOIS		FED. AID PROJECT				



SEE SHEET 83 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG SHERIDAN RD. FROM GLEN AVE. TO SHERIDAN VILLAGE ENTRANCE

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	3.0
ETHERNET MANAGE SWITCH	EACH	1.0
ETHERNET SWITCH	EACH	3.0

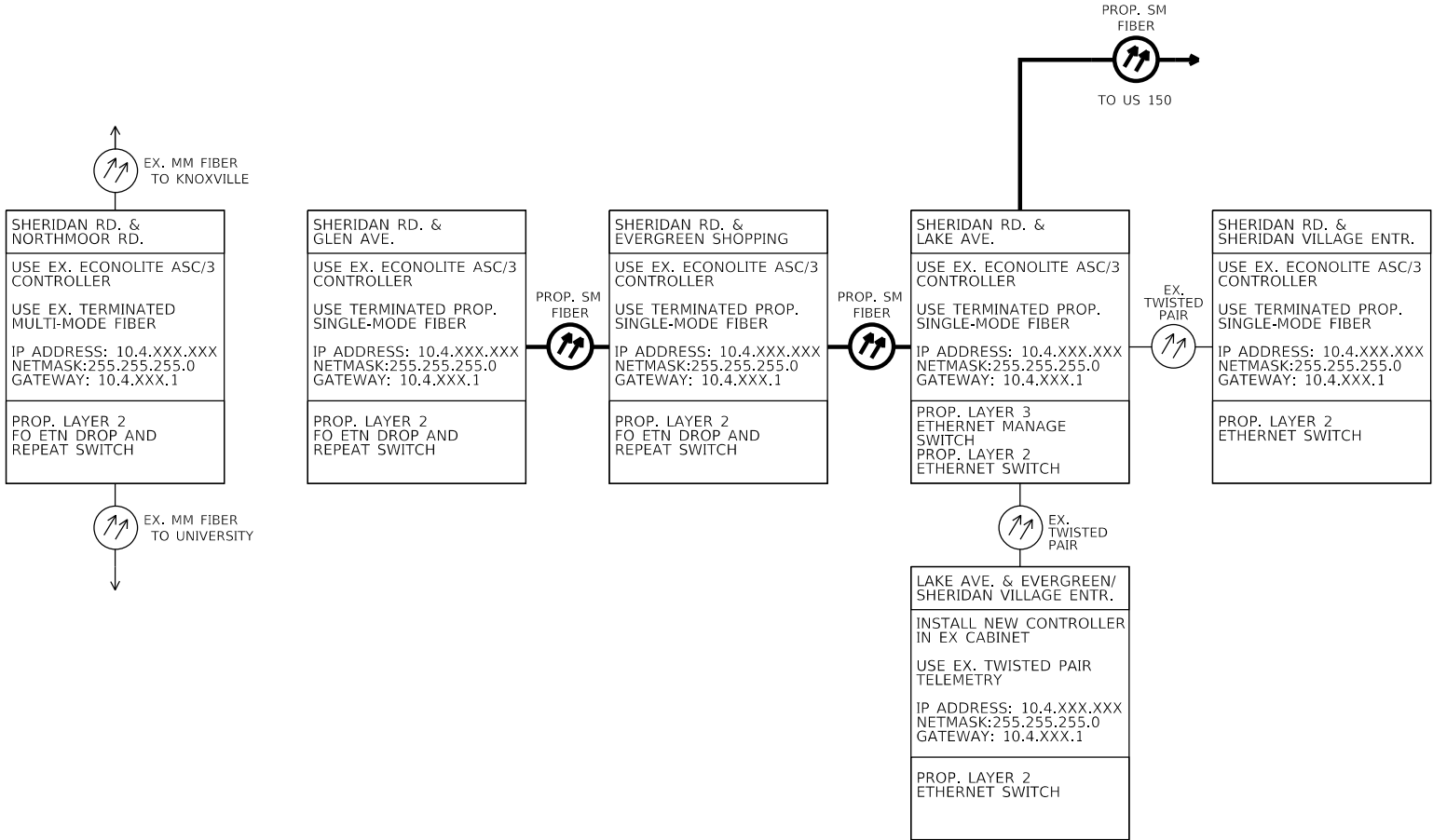
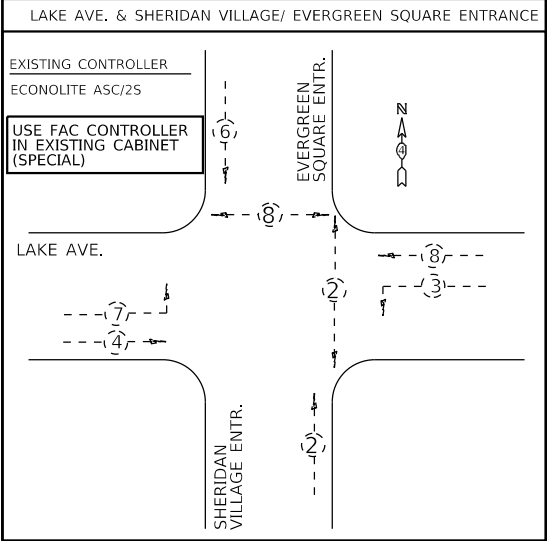
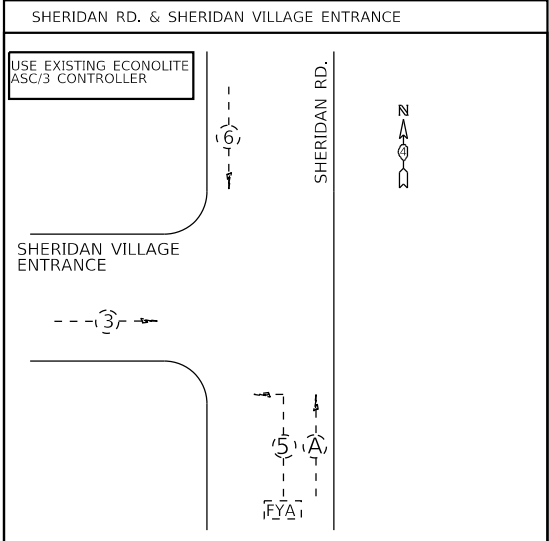
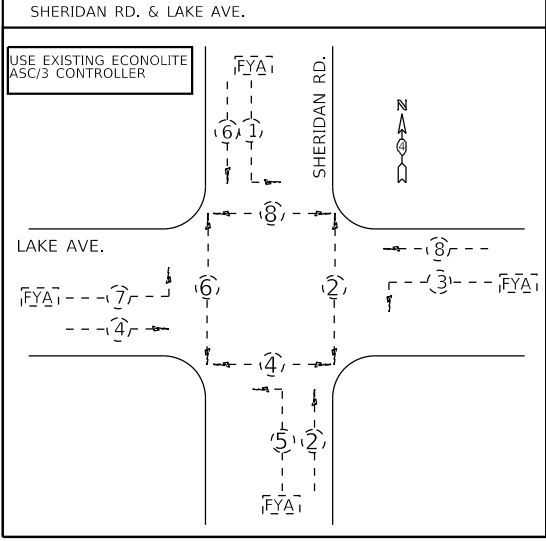
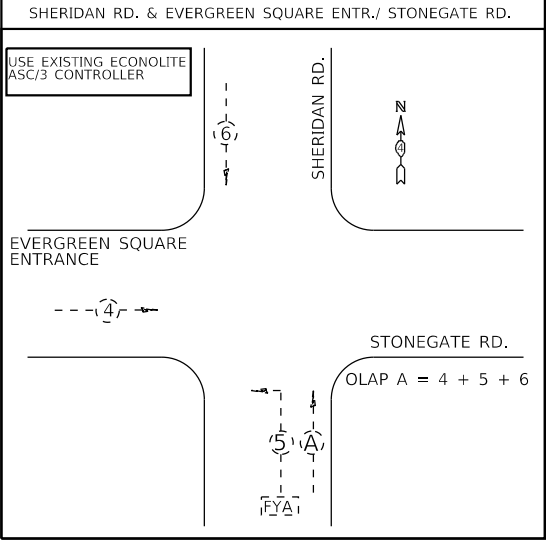
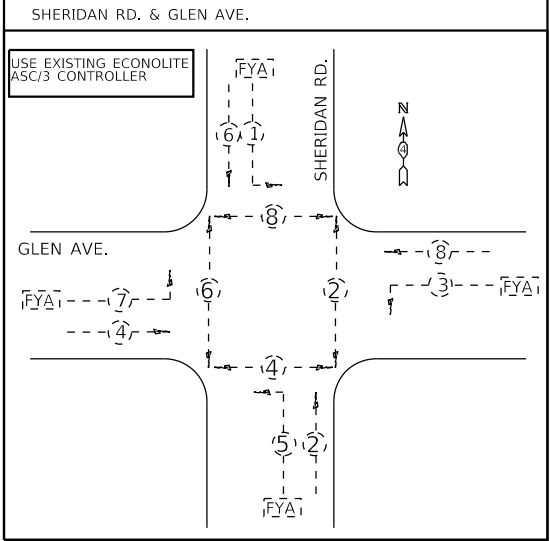
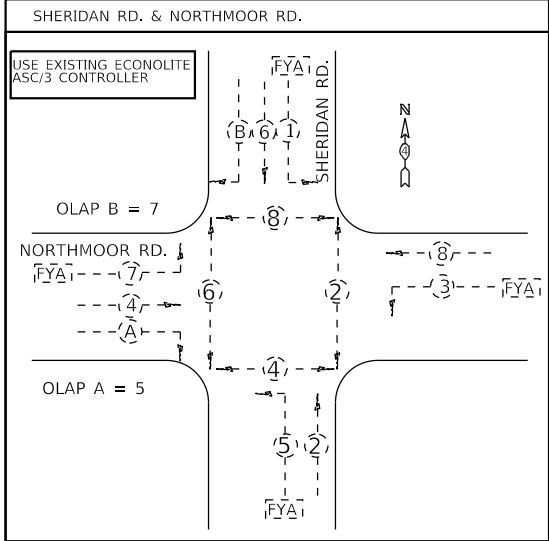
FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT.
DOUBLE HANDHOLE: 30.0 FT.
COMM. VAULT: 100.0 FT.
JUNCTION BOX: 10.0 FT.
ITS OR SIGNAL CABINET: 10.0 FT.

SCHEDULE OF QUANTITIES							
ITEM DESCRIPTION	QTY.	SHERIDAN RD. & NORTHMOOR RD.	SHERIDAN RD. & GLEN AVE.	SHERIDAN RD. & EVERGREEN SHOPPING CENTER / STONEGATE RD.	SHERIDAN RD. & LAKE AVE.	SHERIDAN RD. & SHERIDAN VILLAGE	LAKE AVE. & EVERGREEN SHOPPING CENTER/ SHERIDAN VILLAGE
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH						1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0			
ETHERNET MANAGE SWITCH	EACH				1.0		
ETHERNET SWITCH	EACH				1.0	1.0	1.0

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	EX. TWISTED-PAIR INTERCONNECT
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

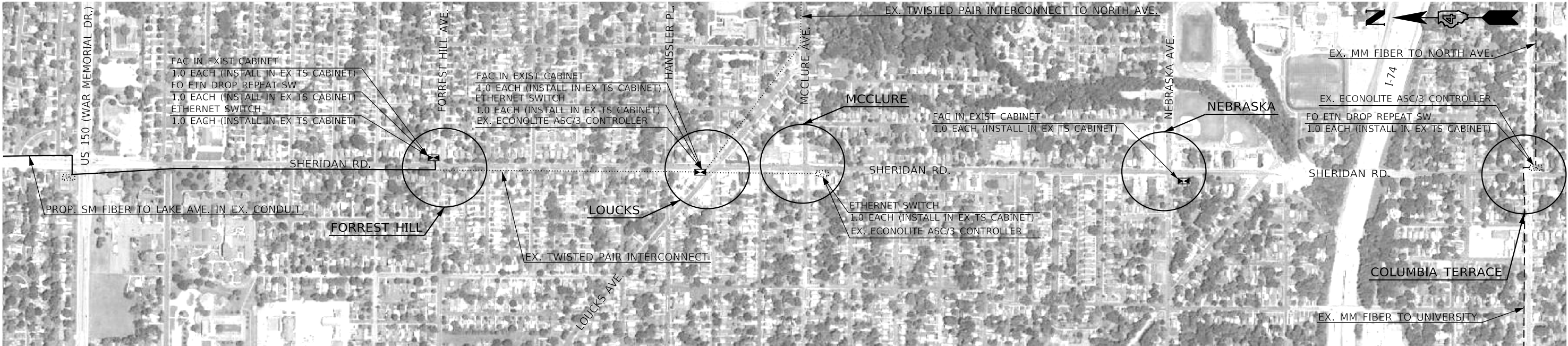
NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG SHERIDAN RD. FROM NORTHMOOR RD. TO SHERIDAN VILLAGE ENTRANCE	SCALE:		STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							VAR.	D4 ITS 2018	PEORIA	87	38
	PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -							CONTRACT NO. 68E20				
	PLOT DATE = \$DATES\$	DATE -	REVISED -							ILLINOIS FED. AID PROJECT				



NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS SHERIDAN RD. FROM NORTHMOOR RD. TO SHERIDAN VILLAGE ENTRANCE	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	39
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	PLOT DATE = \$DATES\$	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



SEE SHEET 84 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG SHERIDAN RD. FROM US 150 (WAR MEMORIAL DR.) TO FORREST HILL AVE.

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	3.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	2.0
ETHERNET SWITCH	EACH	3.0

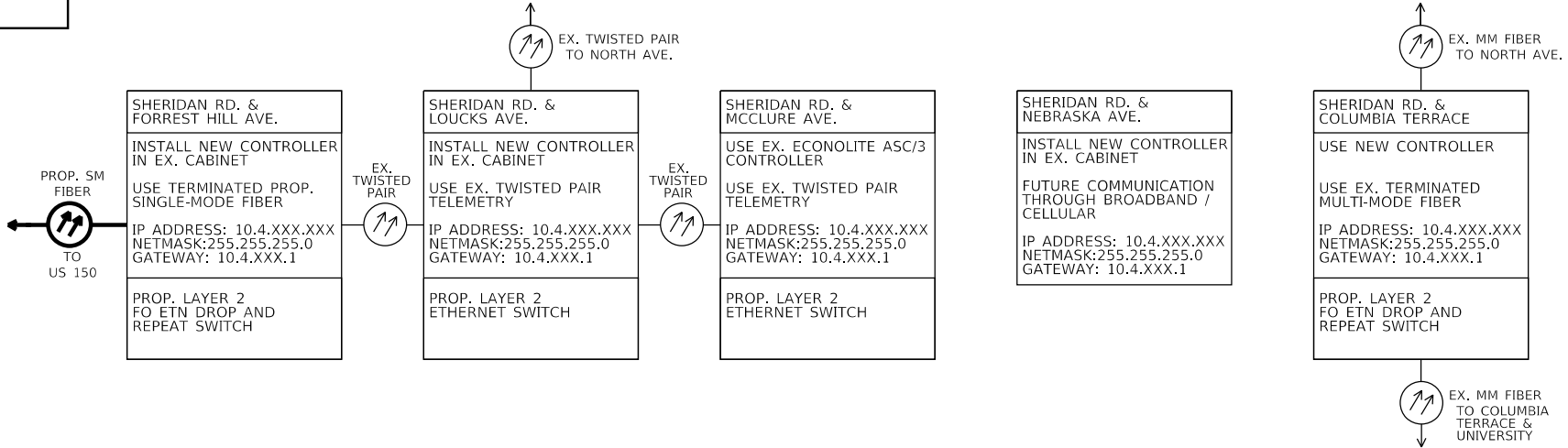
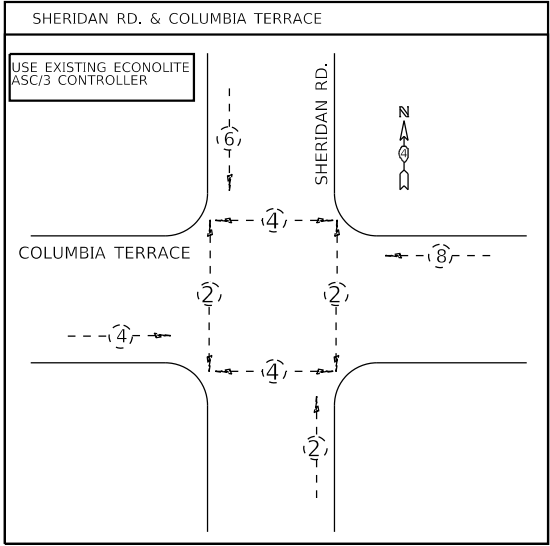
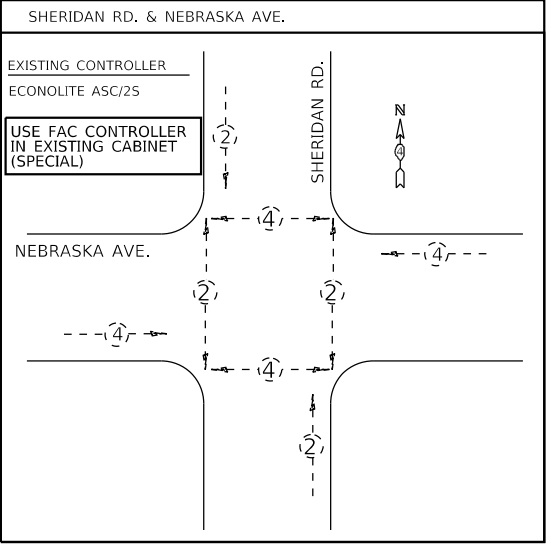
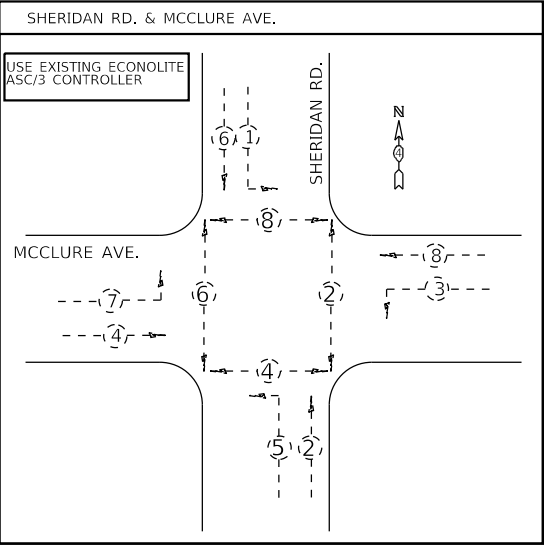
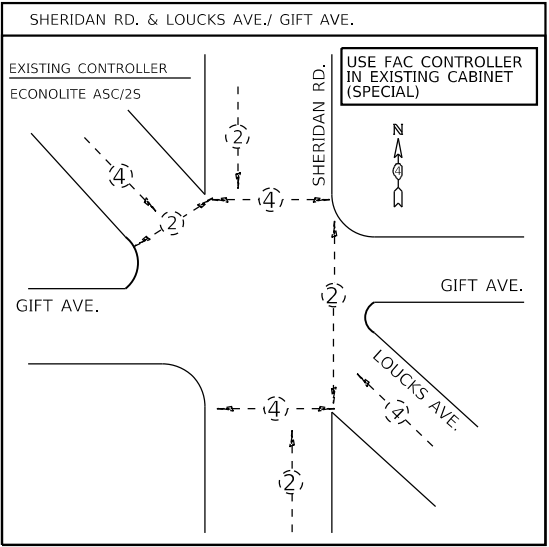
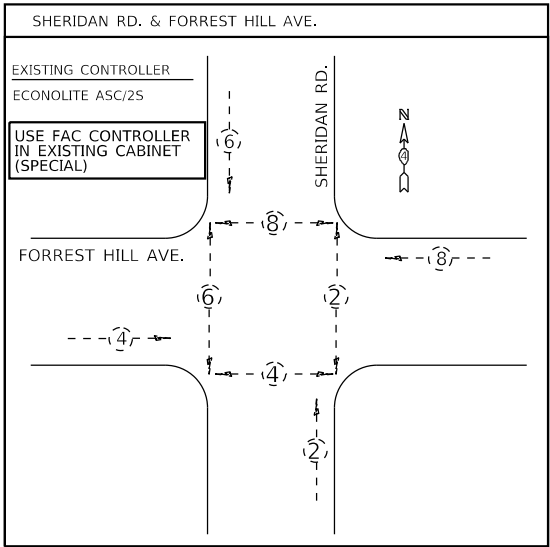
FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

SCHEDULE OF QUANTITIES						
ITEM DESCRIPTION	QTY.	SHERIDAN RD. & FORREST HILL AVE.	SHERIDAN RD. & LOUCKS AVE.	SHERIDAN RD. & MCCLURE AVE.	SHERIDAN RD. & NEBRASKA AVE.	SHERIDAN RD. & COLUMBIA TERRACE
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0		1.0	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0				1.0
ETHERNET SWITCH	EACH	1.0	1.0	1.0		

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	EX. TWISTED-PAIR INTERCONNECT
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

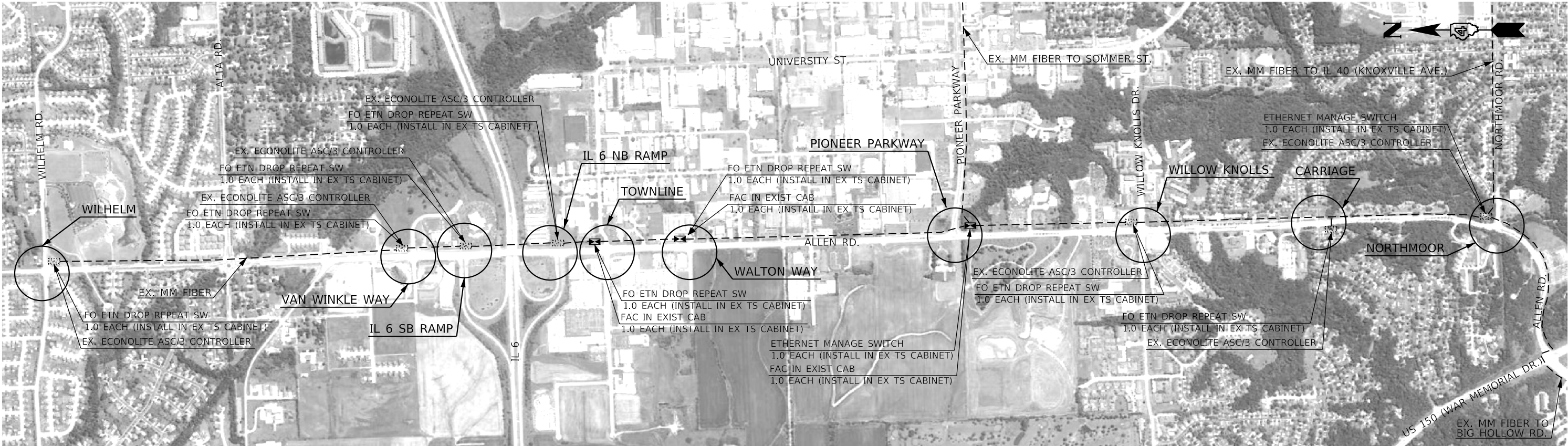
NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG SHERIDAN RD. FROM FORREST HILL AVE. TO COLUMBIA TERRACE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	40
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -			CONTRACT NO. 68E20				
	PLOT DATE = \$DATES\$	DATE -	REVISED -			SCALE:		STA.	TO STA.	ILLINOIS FED. AID PROJECT



NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS SHERIDAN RD.FROM FORREST HILL AVE.TO COLUMBIA TERRACE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALES\$	DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	41
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		DATE -	REVISED -				ILLINOIS		FED. AID PROJECT	



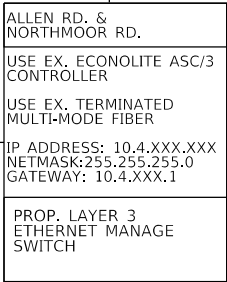
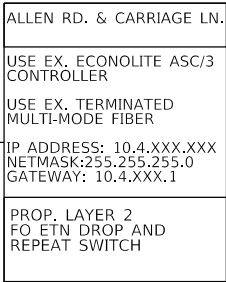
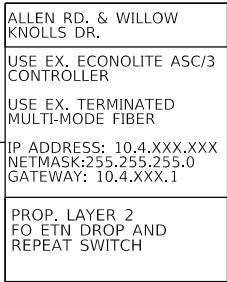
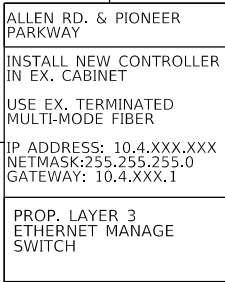
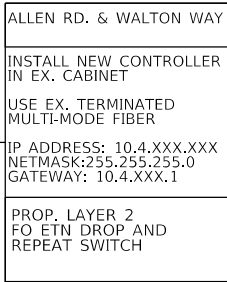
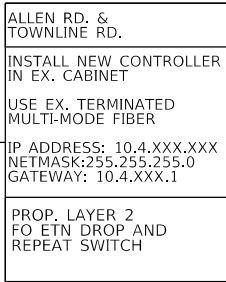
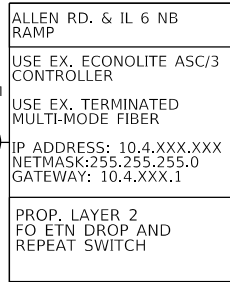
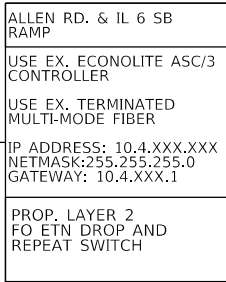
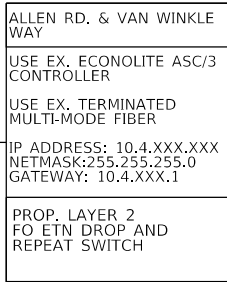
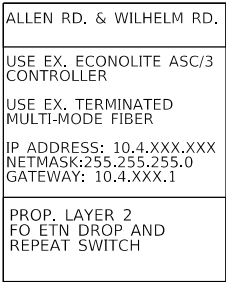
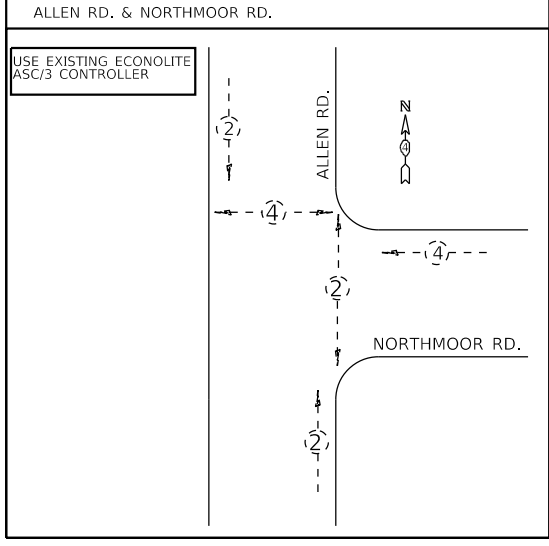
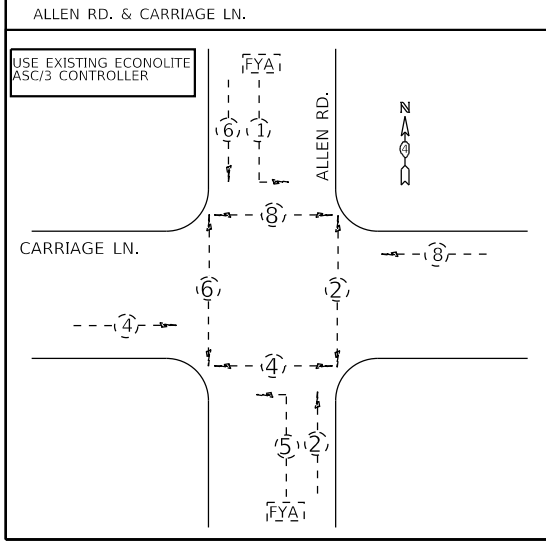
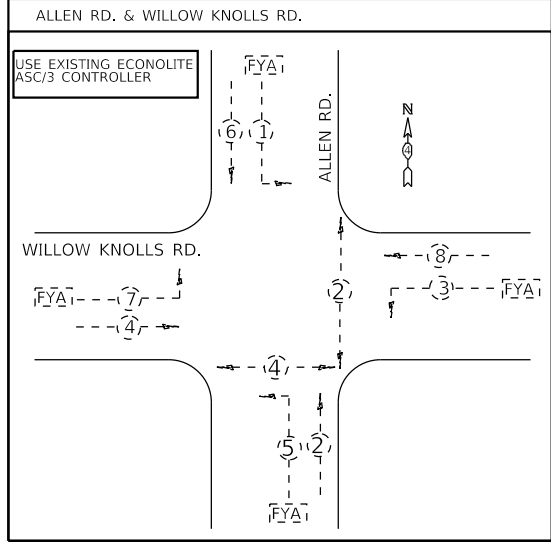
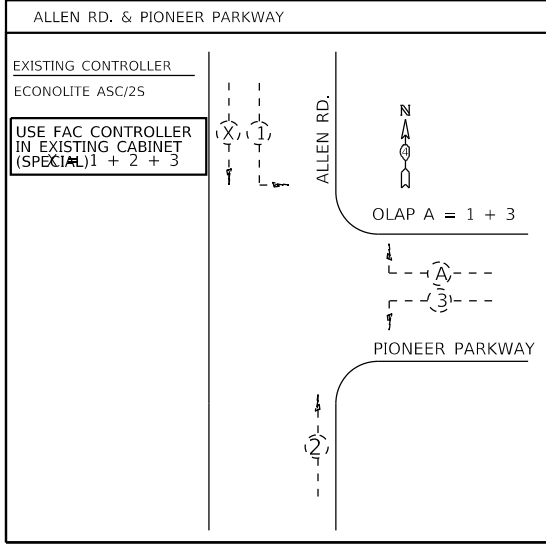
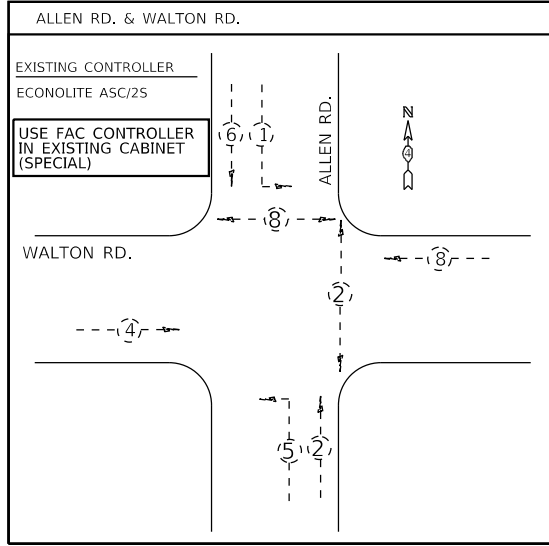
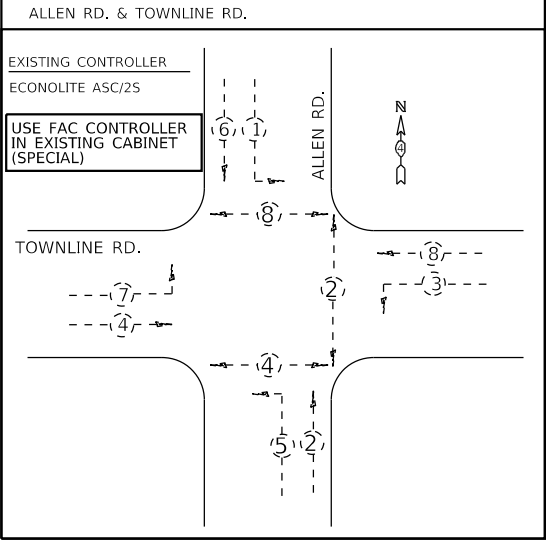
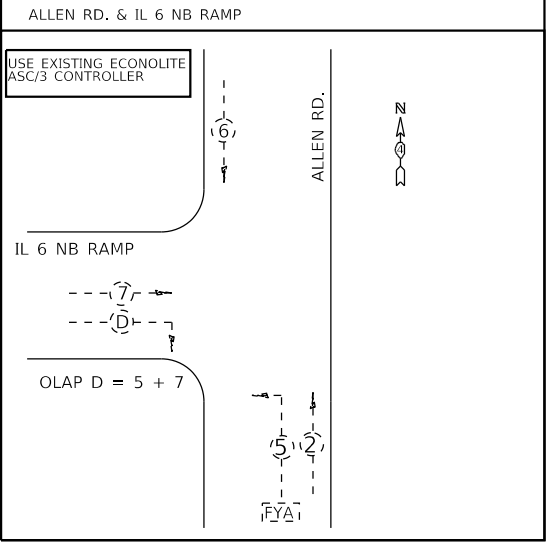
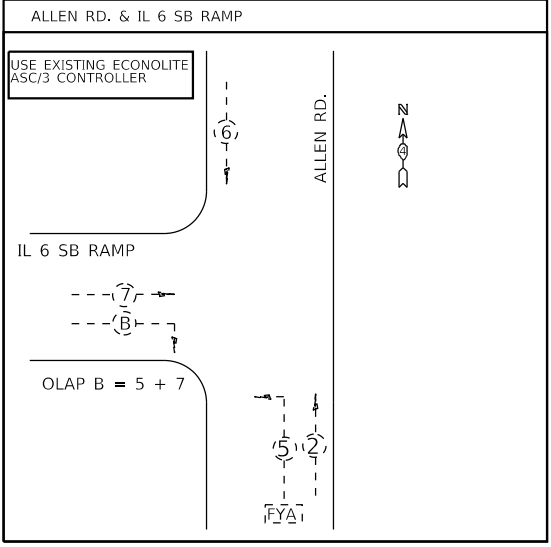
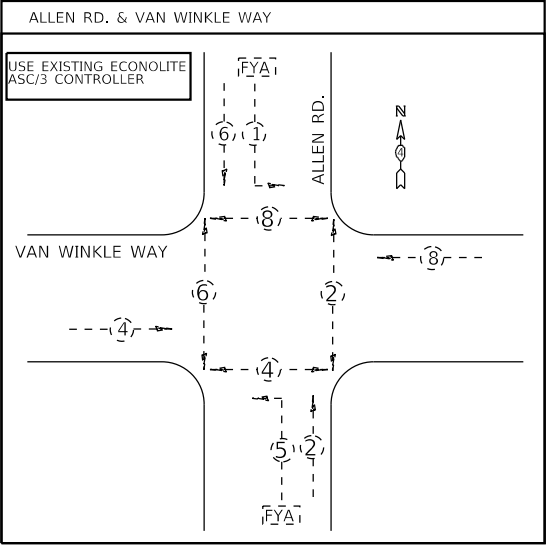
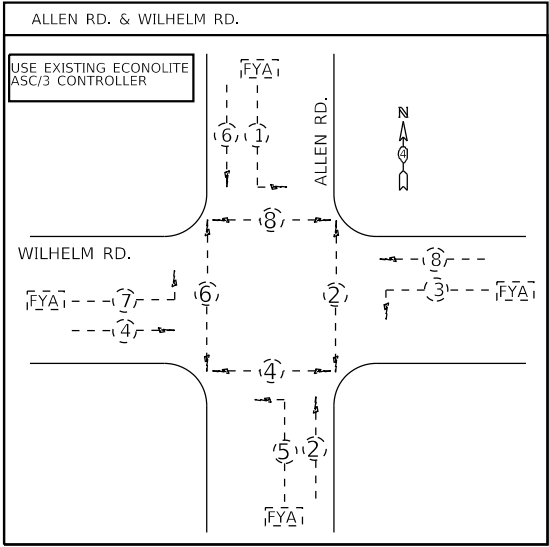
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	3.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	8.0
ETHERNET MANAGE SWITCH	EACH	2.0

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
	EX. MULTI-MODE FIBER
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

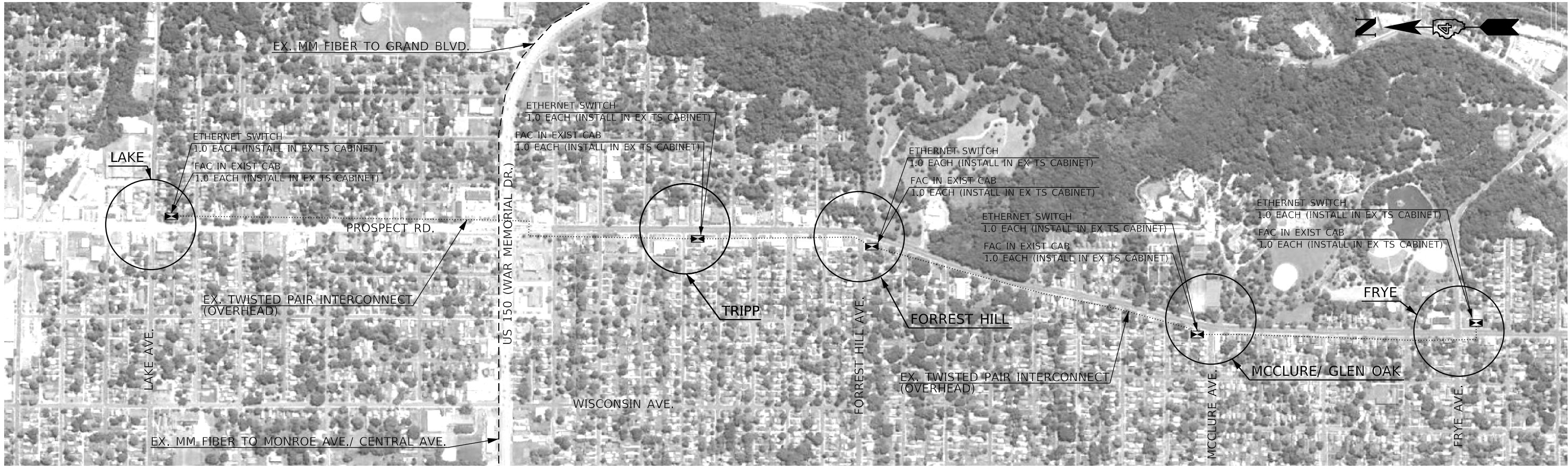
SCHEDULE OF QUANTITIES											
ITEM DESCRIPTION	QTY.	ALLEN RD. & WILHELM RD	ALLEN RD. & VAN WINKLE WAY	ALLEN RD. & IL 6 SB RAMPS	ALLEN RD. & IL 6 NB RAMPS	ALLEN RD. & TOWNLINE RD.	ALLEN RD. & WALTON WAY	ALLEN RD. & PIONEER PARKWAY	ALLEN RD. & WILLOW KNOLLS DR.	ALLEN RD. & CARRIAGE LN.	ALLEN RD. & NORTHMOOR RD.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH					1.0	1.0	1.0			
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	
ETHERNET MANAGE SWITCH	EACH							1.0			1.0

NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG ALLEN RD. FROM WILHELM RD. TO NORTHMOOR RD.				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -										
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -		VAR.	D4 ITS 2018	PEORIA	87	42				
	PLOT DATE = \$DATES	DATE -	REVISED -		CONTRACT NO. 68E20								
					SCALE:		STA.	TO STA.	ILLINOIS FED. AID PROJECT				



NOT TO SCALE



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	5.0
ETHERNET SWITCH	EACH	5.0

SCHEDULE OF QUANTITIES						
ITEM DESCRIPTION	QTY.	PROSPECT AVE. & LAKE AVE.	PROSPECT AVE. & TRIPP AVE.	PROSPECT AVE. & FORREST HILL AVE.	PROSPECT AVE. & MCLURE AVE./ GLEN OAK PARK ENTRANCE	PROSPECT AVE. & FRYE AVE.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0	1.0
ETHERNET SWITCH	EACH	1.0	1.0	1.0	1.0	1.0

TRAFFIC SIGNAL LEGEND

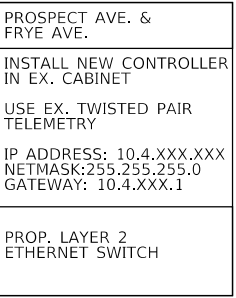
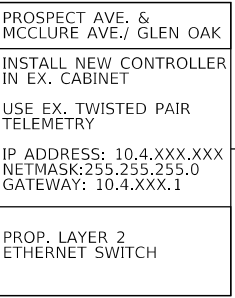
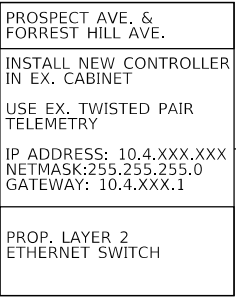
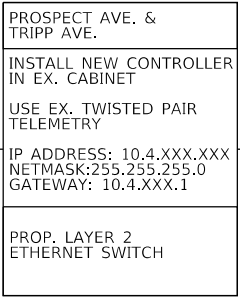
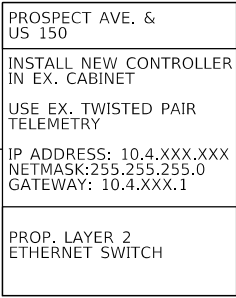
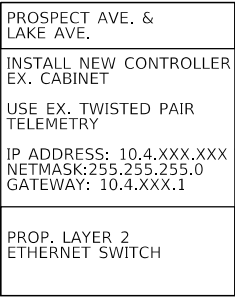
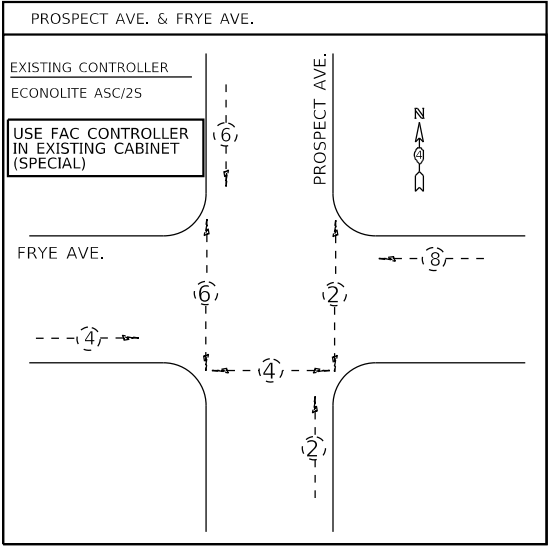
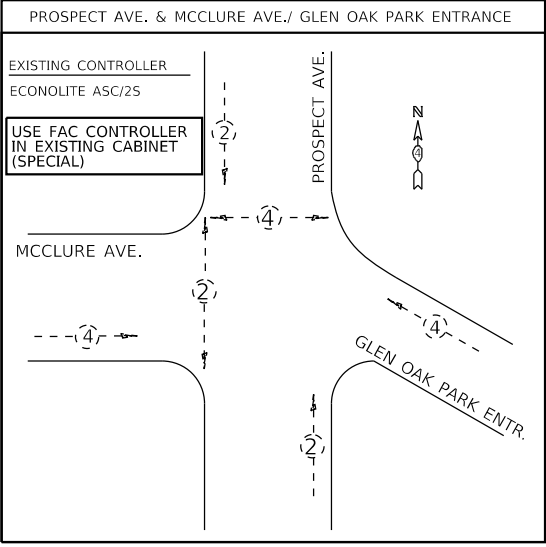
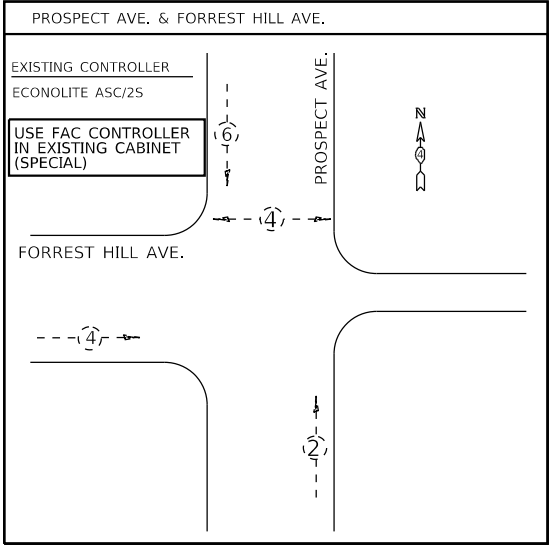
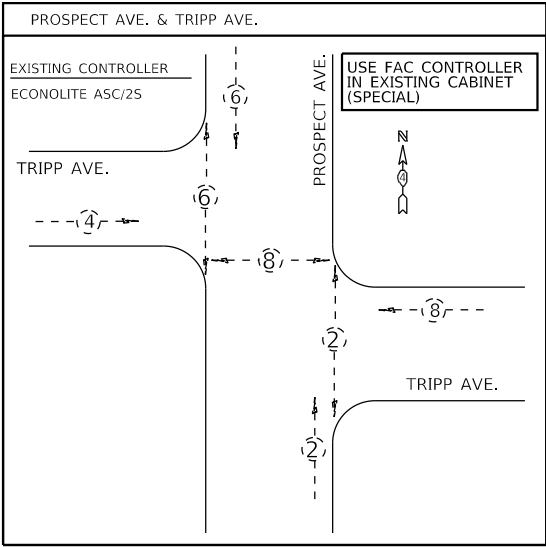
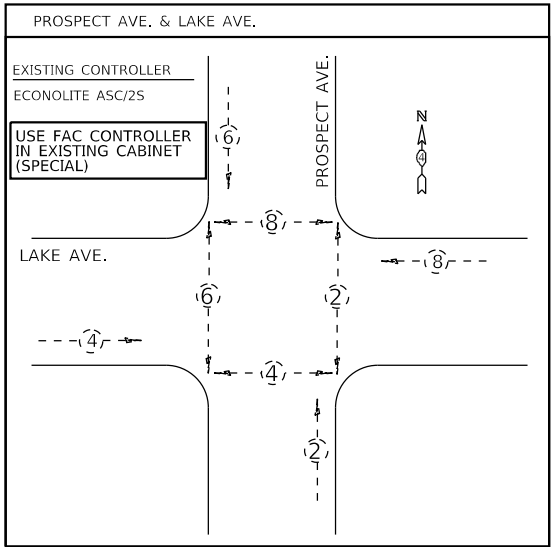
- EX. MULTI-MODE FIBER
-

EX. TWISTED-PAIR INTERCONNECT
- ⊠

PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

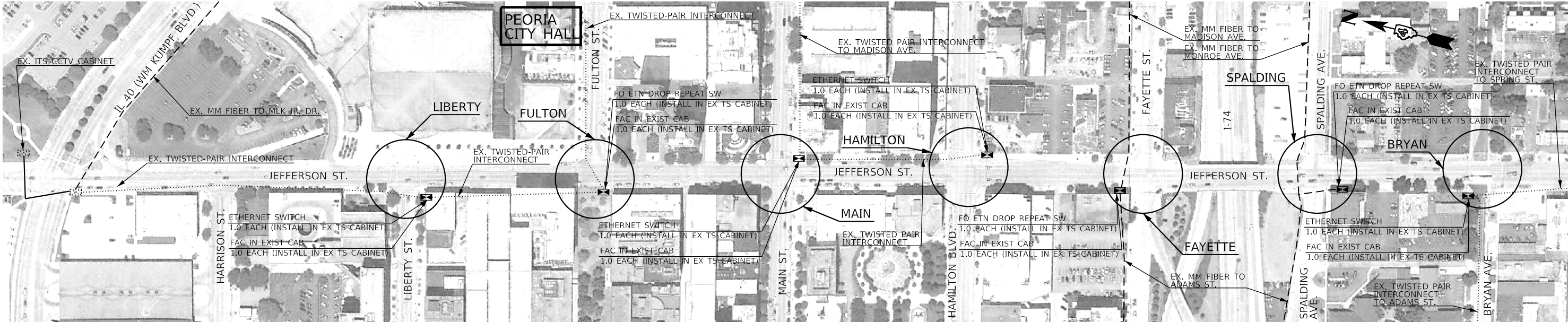
NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG PROSPECT AVE. FROM GLEN AVE. TO FRYE AVE.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -									
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -					VAR.	D4 ITS 2018	PEORIA	87	44
	PLOT DATE = \$DATES	DATE -	REVISED -					CONTRACT NO. 68E20				
					SCALE:		STA.	TO STA.		ILLINOIS FED. AID PROJECT		



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS PROSPECT AVE. FROM GLEN AVE. TO FRYE AVE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	45
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -					CONTRACT NO. 68E20		
	PLOT DATE = \$DATES	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE:					STA.	TO STA.				



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	7.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	2.0
ETHERNET MANAGE SWITCH	EACH	1.0
ETHERNET SWITCH	EACH	4.0

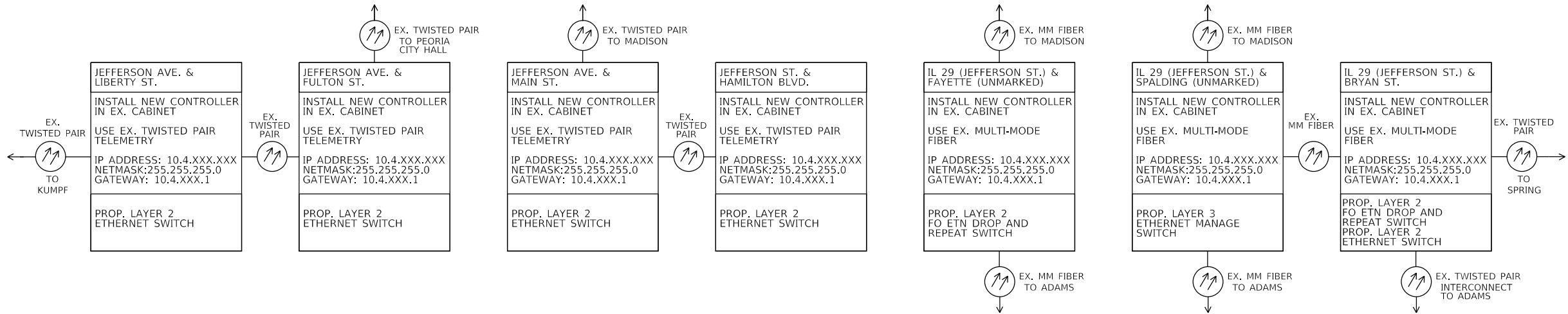
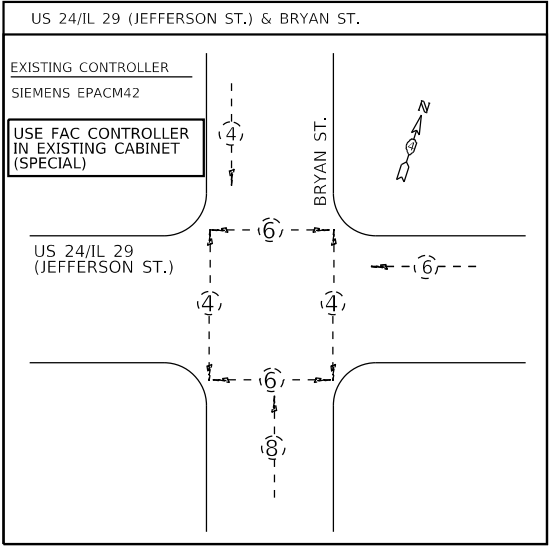
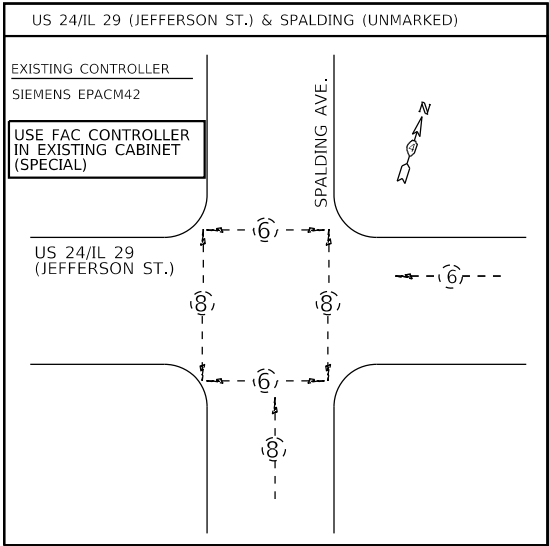
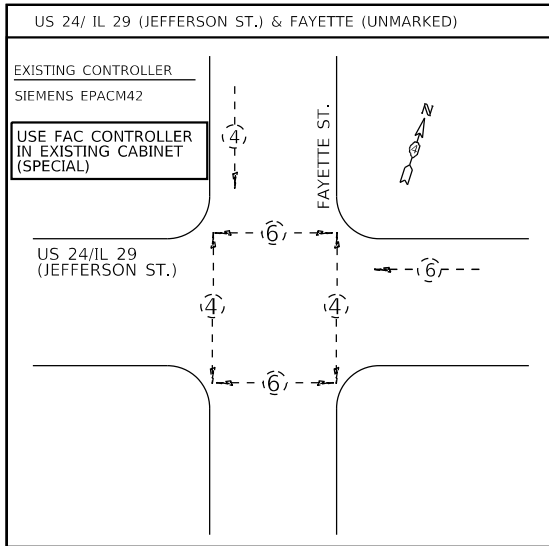
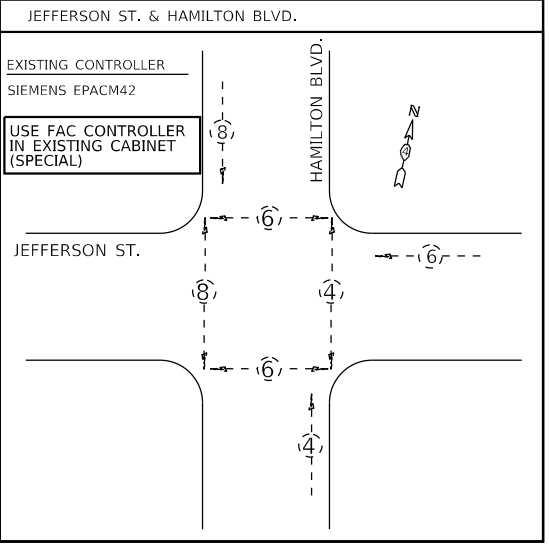
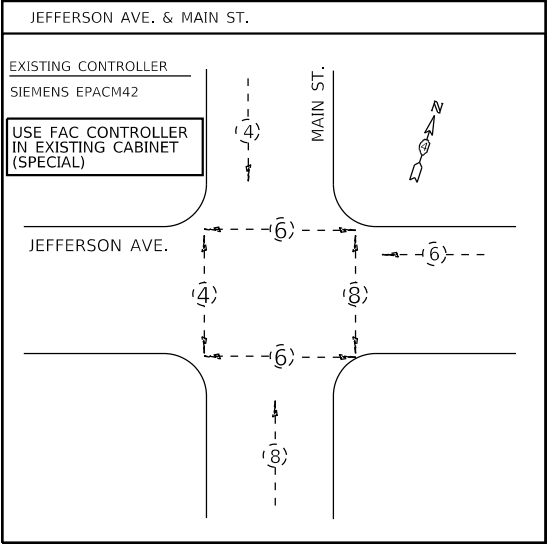
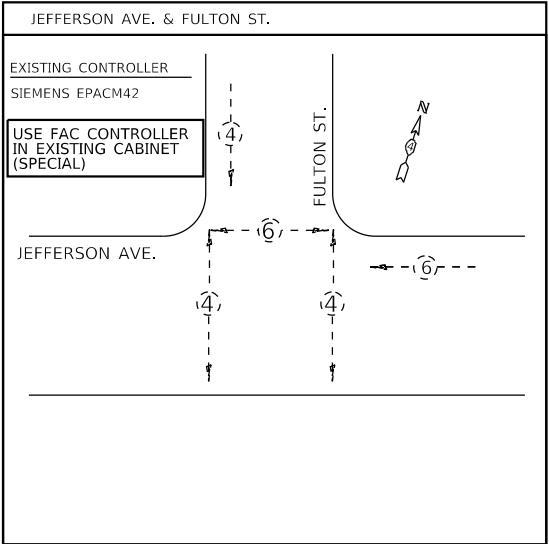
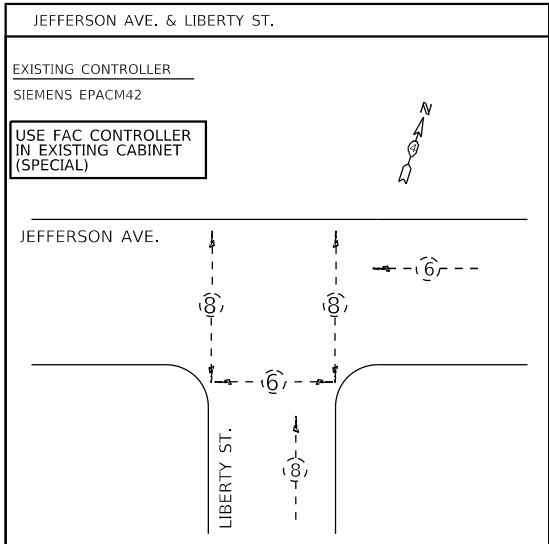
FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

SCHEDULE OF QUANTITIES								
ITEM DESCRIPTION	QTY.	JEFFERSON ST. & LIBERTY ST.	JEFFERSON ST. & FULTON ST.	JEFFERSON ST. & MAIN ST.	JEFFERSON ST. & HAMILTON BLVD.	JEFFERSON ST. & UNMARKED (FAYETTE ST.)	JEFFERSON ST. & UNMARKED (SPALDING AVE.)	IL 29 (JEFFERSON ST.) & BRYAN AVE.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH					1.0		1.0
ETHERNET MANAGE SWITCH	EACH						1.0	
ETHERNET SWITCH	EACH	1.0	1.0	1.0	1.0			

TRAFFIC SIGNAL LEGEND	
	EX. MULTI-MODE FIBER
	EX. TWISTED-PAIR INTERCONNECT
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

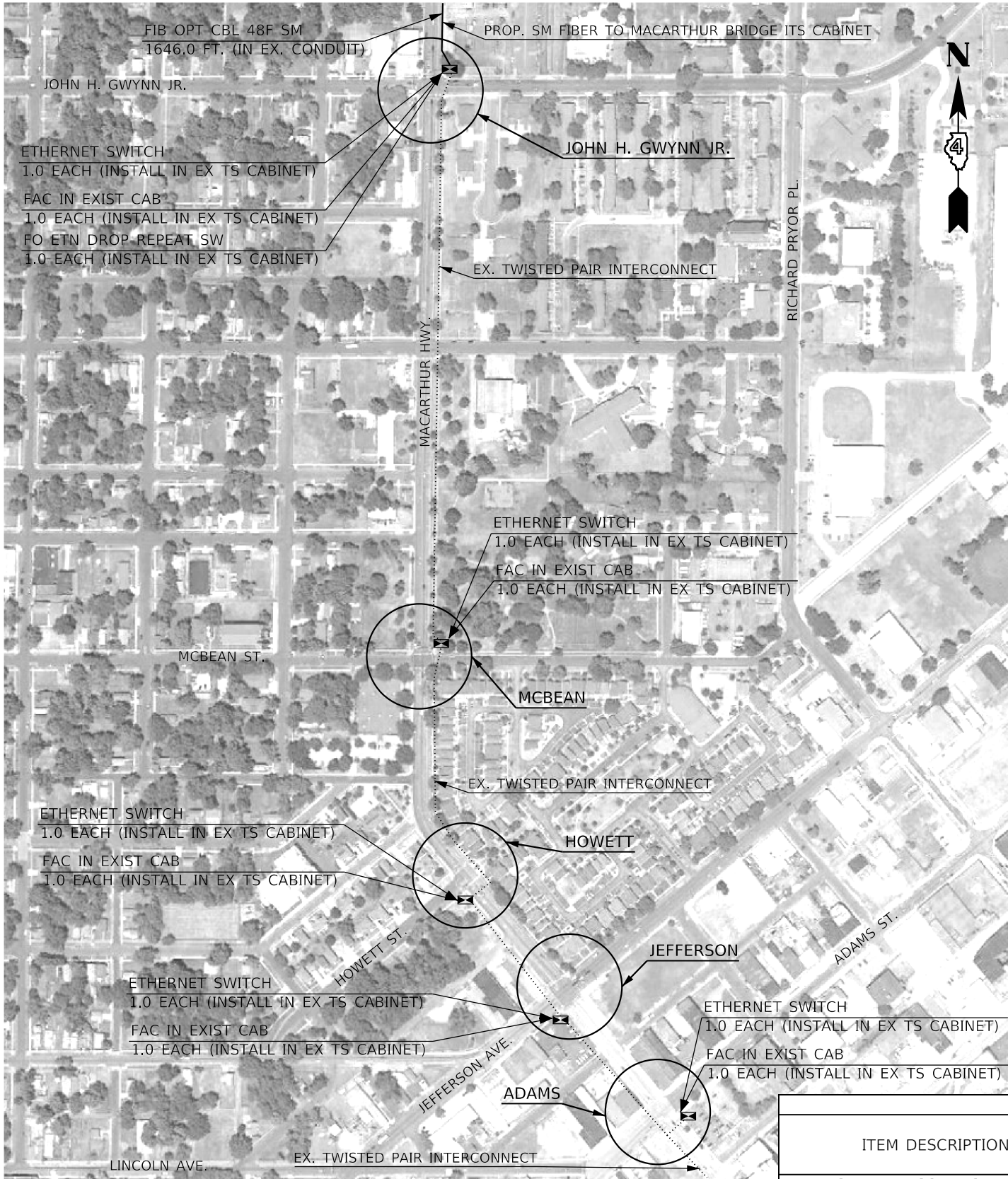
NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG JEFFERSON ST. FROM LIBERTY ST. TO BRYAN AVE.	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	46
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	PLOT DATE = \$DATES\$	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

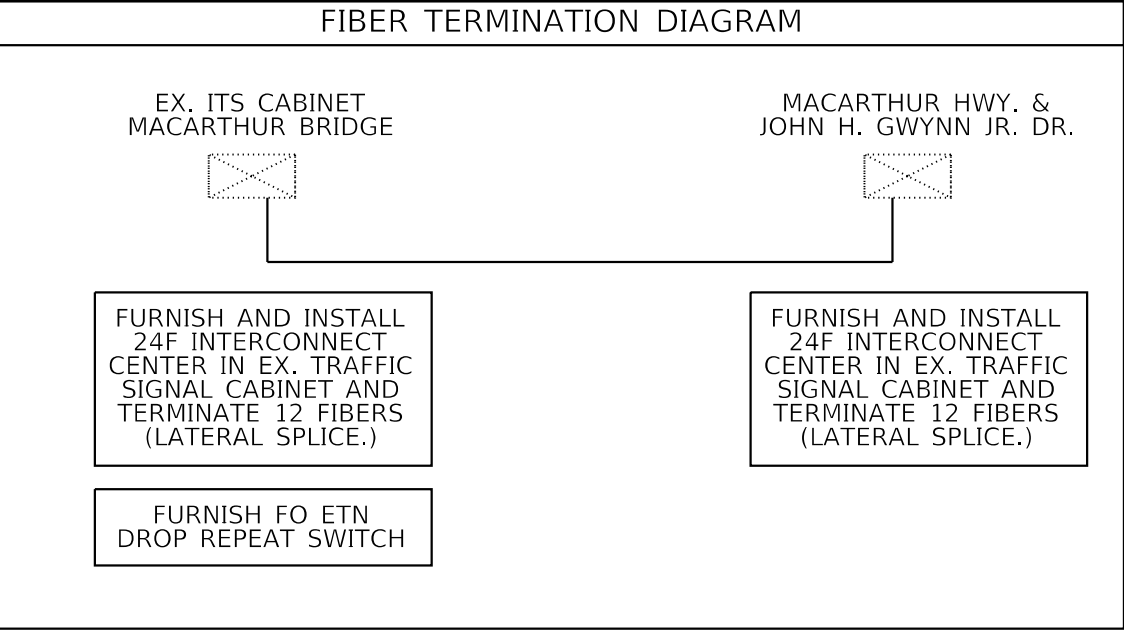


NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS JEFFERSON ST.FROM LIBERTY ST.TO BRYAN AVE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	47
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	PLOT DATE = \$DATES	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE:					STA.	TO STA.				



THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL AND ITS CABINET BY Laterally splicing into the proposed fiber optic cable. All unused fibers shall remain intact and continuous for future use.



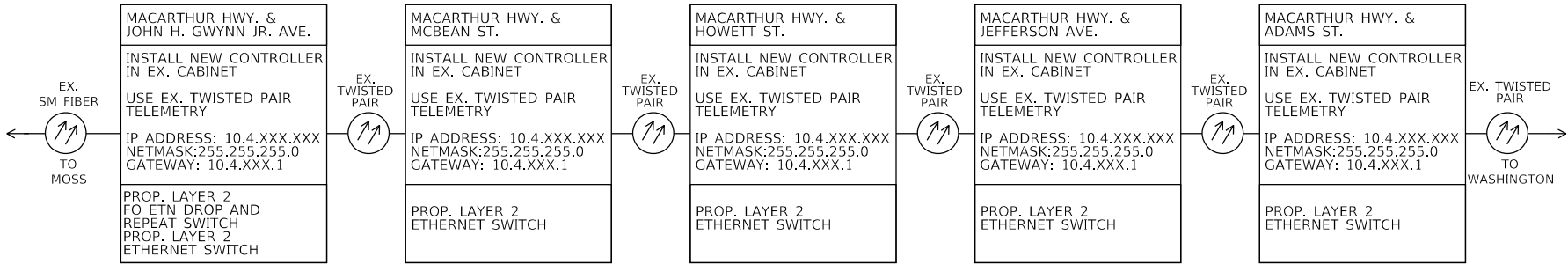
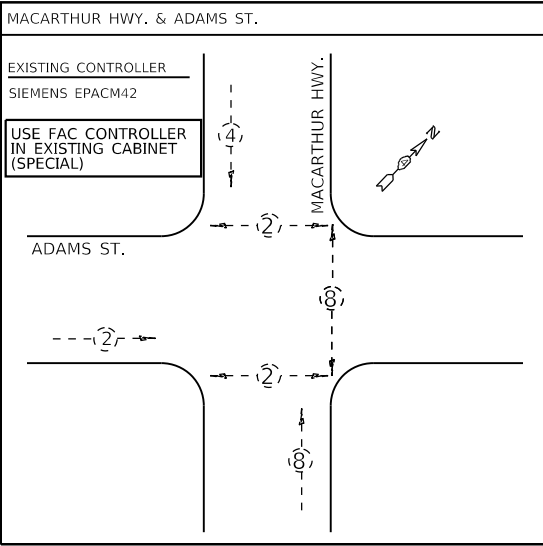
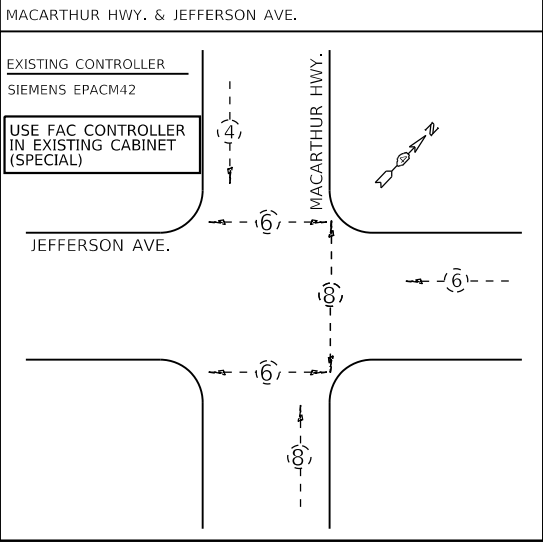
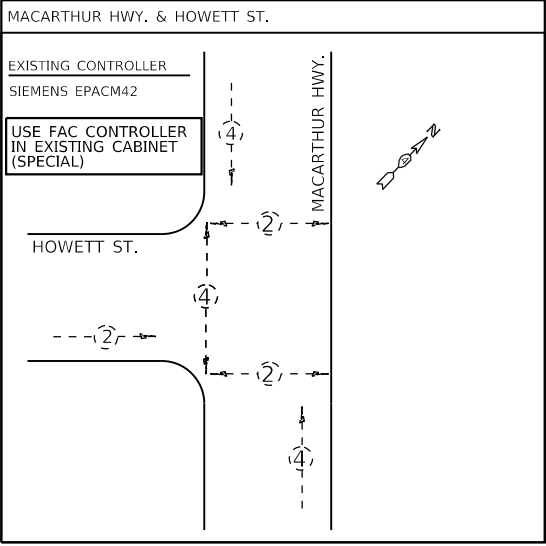
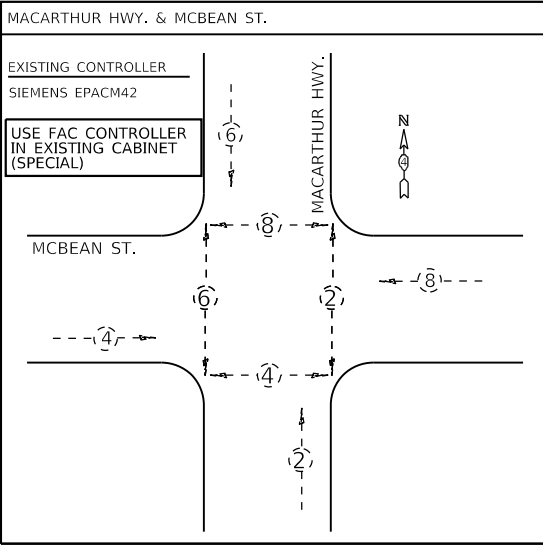
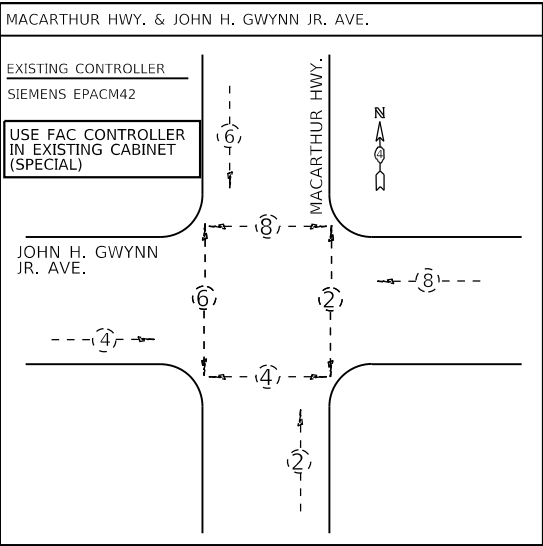
FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	5.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	2.0
ETHERNET SWITCH	EACH	5.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	1646.0

TRAFFIC SIGNAL LEGEND	
	PROP. SINGLE-MODE FIBER OPTIC CABLE IN EX. CONDUIT
	EX. TWISTED-PAIR INTERCONNECT
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

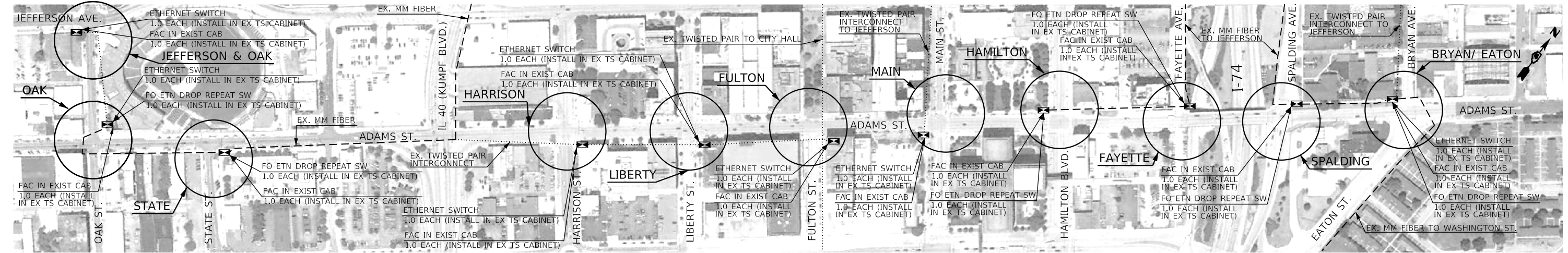
SCHEDULE OF QUANTITIES							
ITEM DESCRIPTION	QTY.	MACARTHUR HWY. & JOHN H. GWYNN JR. AVE.	MACARTHUR HWY. & MCBEAN ST.	MACARTHUR HWY. & HOWETT ST.	MACARTHUR HWY. & JEFFERSON AVE.	MACARTHUR HWY. & ADAMS ST.	EX. ITS CABINET MACARTHUR BRIDGE
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0	1.0	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0					1.0
ETHERNET SWITCH	EACH	1.0	1.0	1.0	1.0	1.0	
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT						1646.0

NOT TO SCALE



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS MACARTHUR HWY. FROM JOHN H. GWYNN JR. AVE. TO ADAMS ST.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	49
	PLOT DATE = \$DATES	DATE -	REVISED -			CONTRACT NO. 68E20				
				SCALE:		STA.	TO STA.			
						ILLINOIS		FED. AID PROJECT		



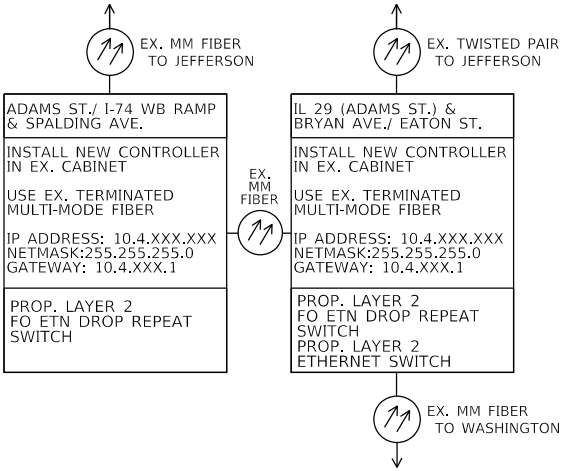
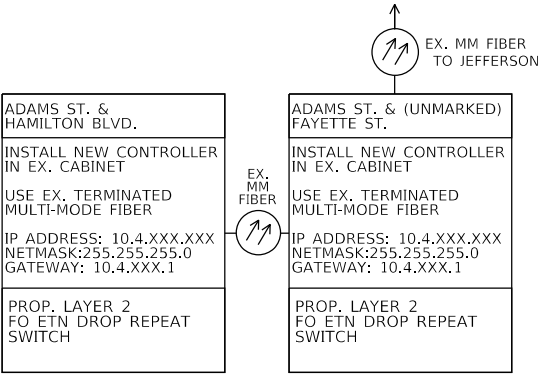
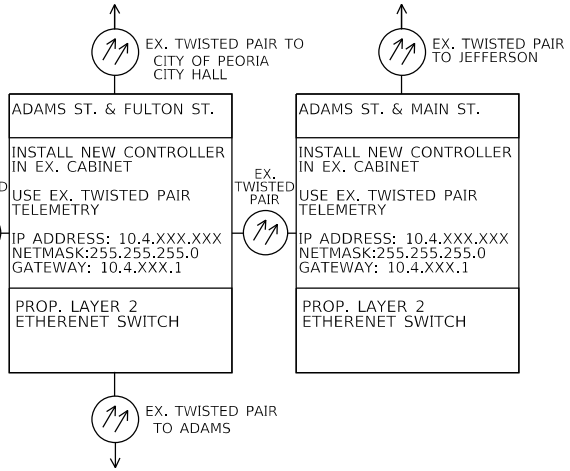
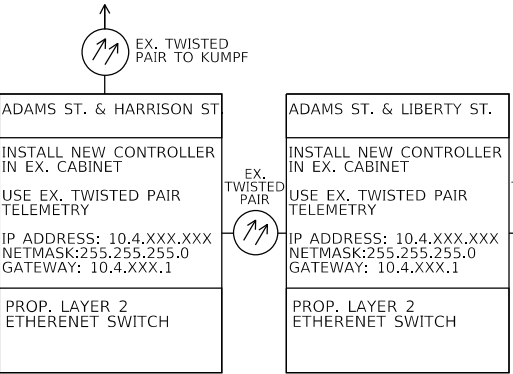
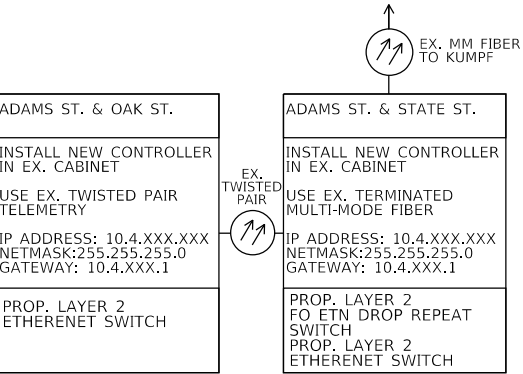
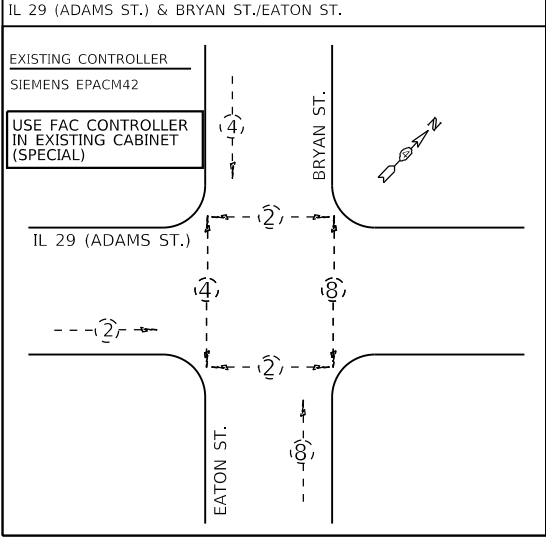
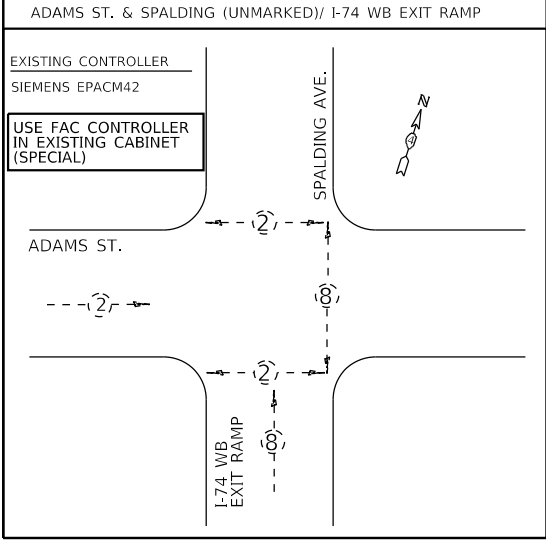
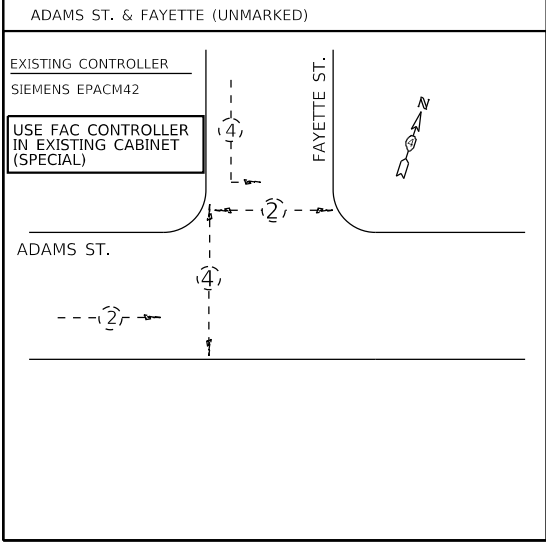
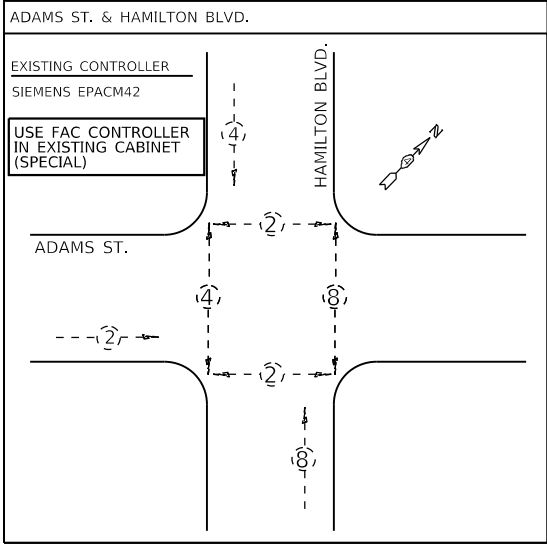
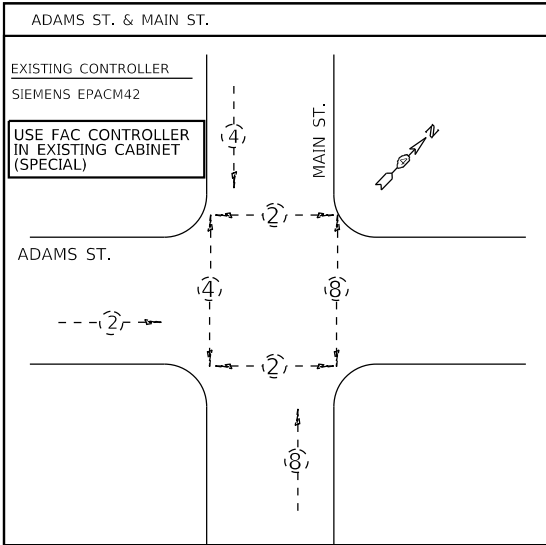
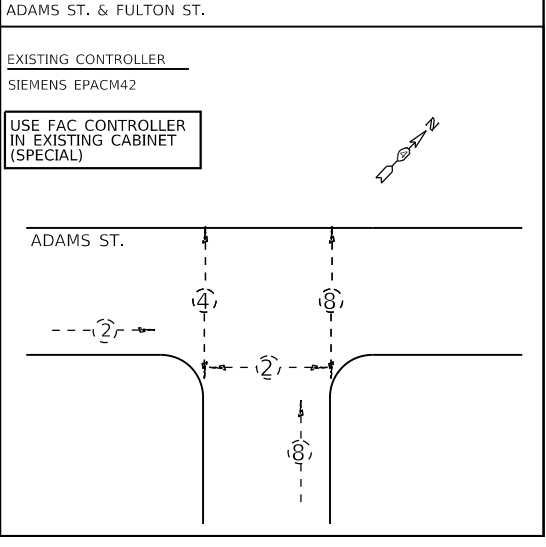
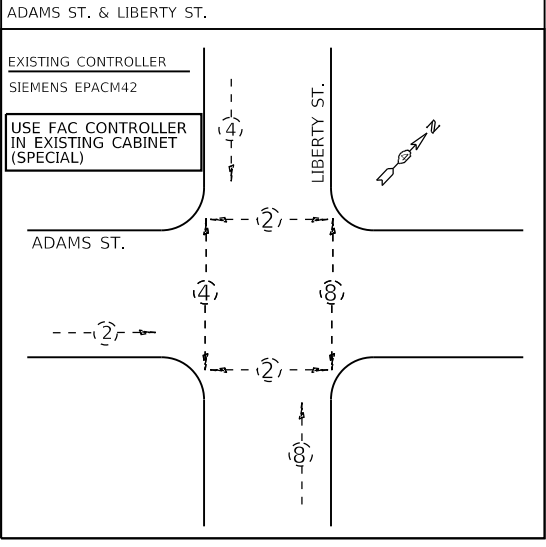
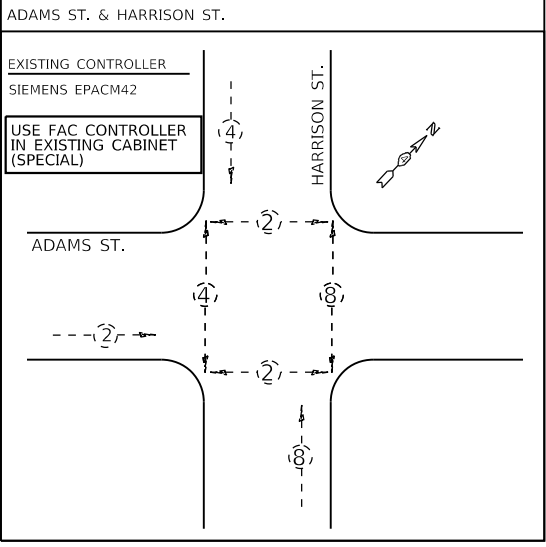
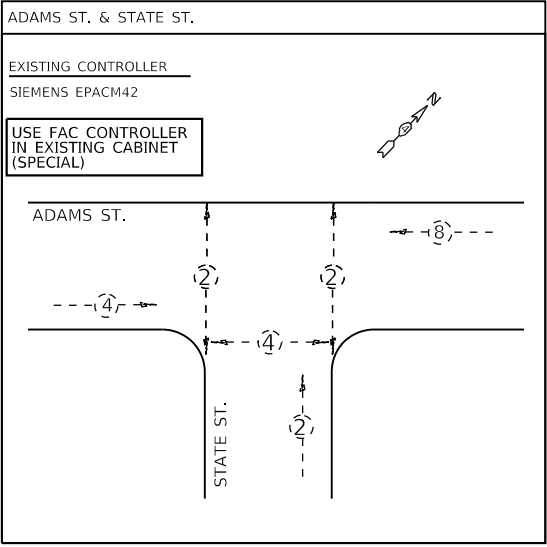
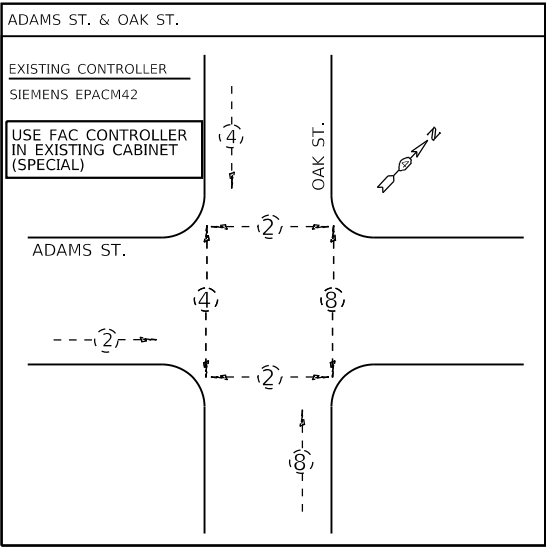
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	11.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	6.0
ETHERNET SWITCH	EACH	7.0

TRAFFIC SIGNAL LEGEND	
---	EX. MULTI-MODE FIBER
.....	EX. TWISTED-PAIR INTERCONNECT
☒	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

SCHEDULE OF QUANTITIES												
ITEM DESCRIPTION	QTY.	JEFFERSON AVE. & OAK ST.	ADAMS ST. & OAK ST.	ADAMS ST. & STATE ST.	ADAMS ST. & HARRISON ST.	ADAMS ST. & LIBERTY ST.	ADAMS ST. & FULTON ST.	ADAMS ST. & MAIN ST.	ADAMS ST. & HAMILTON BLVD.	ADAMS ST. & UNMARKED (FAYETTE ST.)	ADAMS ST. / I-74 WB EXIT RAMP & UNMARKED (SPALDING AVE.)	IL 29 (ADAMS ST.) & BRYAN AVE. / EATON ST.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH		1.0	1.0					1.0	1.0	1.0	1.0
ETHERNET SWITCH	EACH	1.0	1.0		1.0	1.0	1.0	1.0				1.0

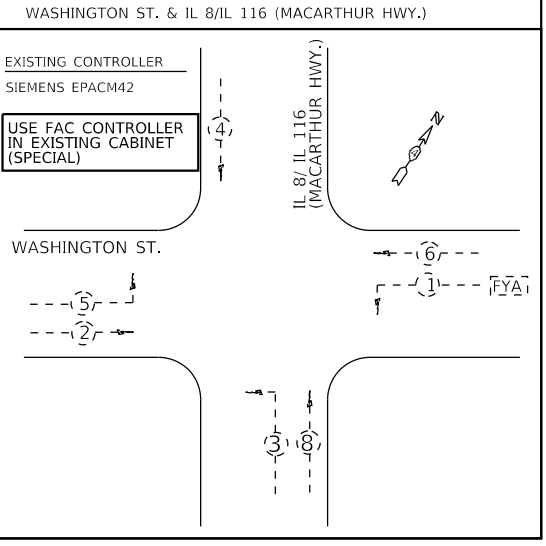
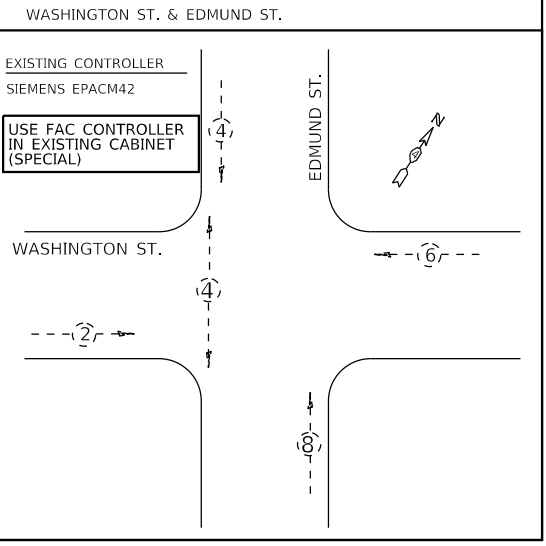
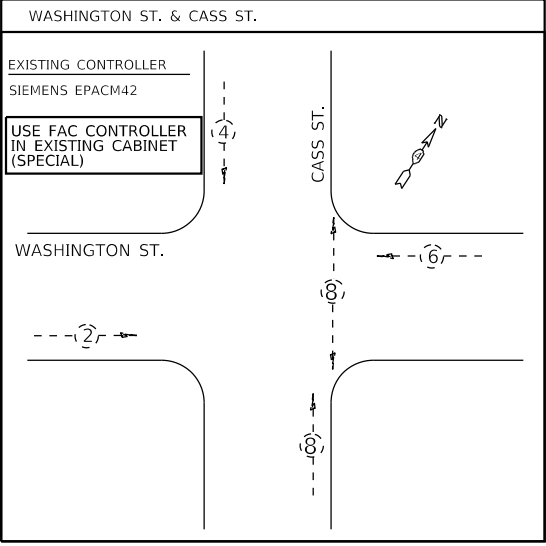
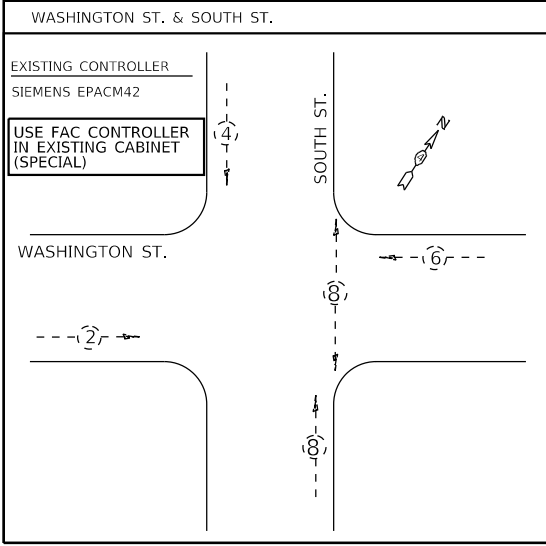
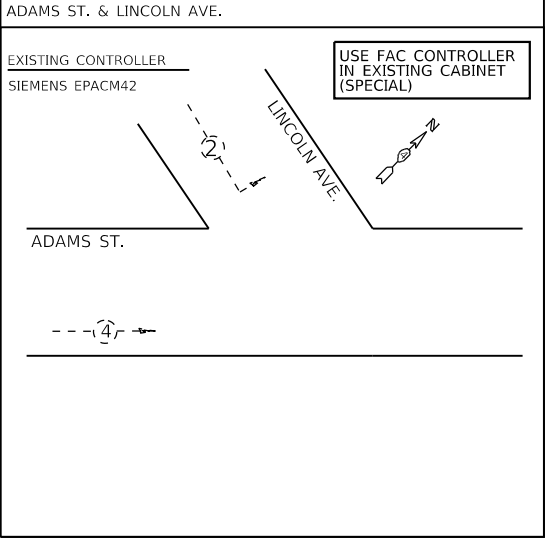
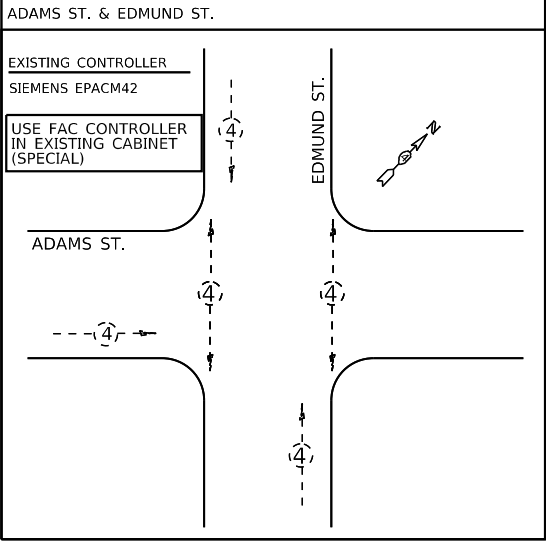
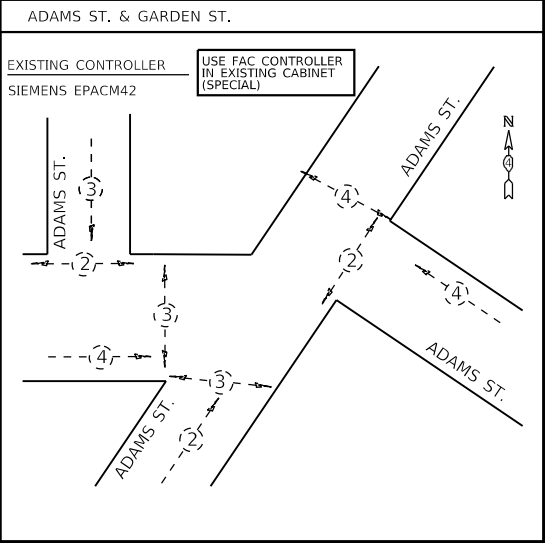
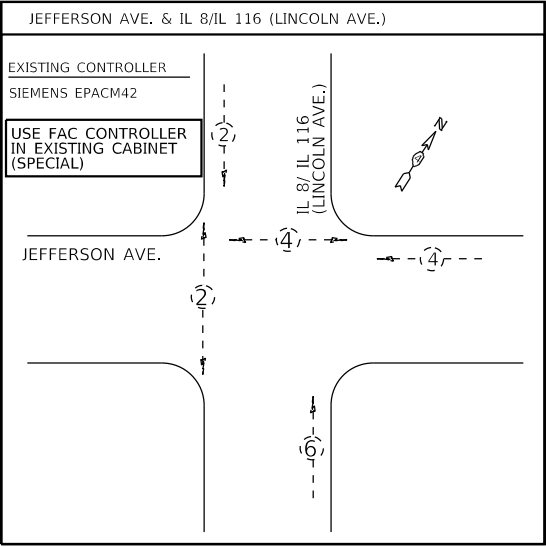
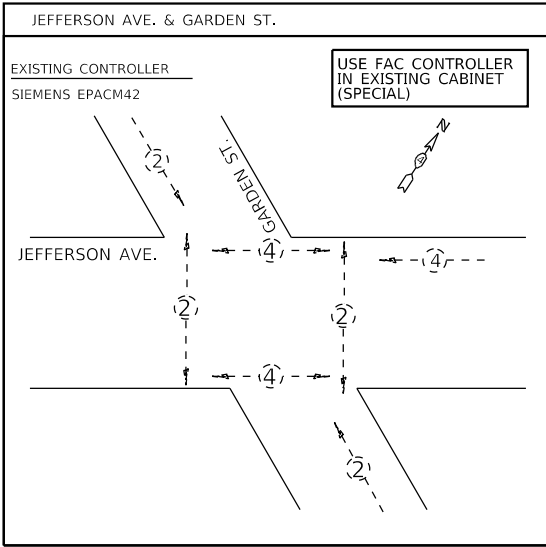
NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG ADAMS ST. FROM OAK ST. TO BRYAN AVE./EATON ST.	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	50
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -						CONTRACT NO. 68E20				
	PLOT DATE = \$DATES\$	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS ADAMS ST.FROM OAK ST.TO BRYAN AVE/EATON ST.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	51
	PLOT DATE = \$DATES	DATE -	REVISED -			CONTRACT NO. 68E20				
		SCALE:		STA.	TO STA.	ILLINOIS FED. AID PROJECT				



JEFFERSON AVE. &
IL 8/ IL 116 (LINCOLN)

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TWISTED PAIR
TELEMETRY

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
ETHERNET SWITCH



ADAMS ST. & IL 8/ IL 116
(LINCOLN AVE.)

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TWISTED PAIR
TELEMETRY

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
ETHERNET SWITCH



WASHINGTON ST. &
IL 8/ IL 116 (MACARTHUR)

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TERMINATED
MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
FO ETN DROP REPEAT
SWITCH
PROP. LAYER 2
ETHERNET SWITCH



TO
PERSIMMON

JEFFERSON AVE. &
GARDEN ST.

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TWISTED PAIR
TELEMETRY

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
ETHERNET SWITCH



ADAMS ST. & GARDEN ST.

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TWISTED PAIR
TELEMETRY

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
ETHERNET SWITCH



ADAMS ST. & EDMUND ST.

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TWISTED PAIR
TELEMETRY

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
ETHERNET SWITCH



WASHINGTON ST. &
SOUTH ST.

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TERMINATED
MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
FO ETN DROP REPEAT
SWITCH

EX. MM
FIBER
TO
ADAMS/
KRAUSE

WASHINGTON ST. &
CASS ST.

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TERMINATED
MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
FO ETN DROP REPEAT
SWITCH



WASHINGTON ST. &
EDMUND ST.

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TERMINATED
MULTI-MODE FIBER

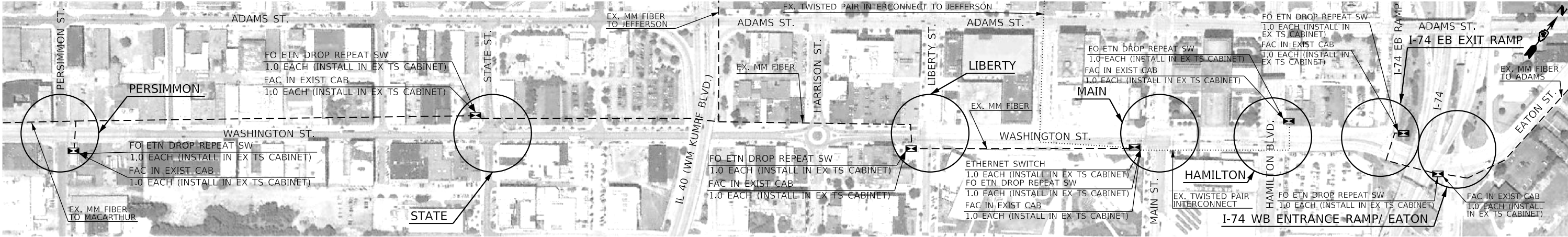
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GATEWAY: 10.4.XXX.1

PROP. LAYER 2
FO ETN DROP REPEAT
SWITCH



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS VARIOUS ROUTES FROM GARDEN ST. TO IL&IL 116 (MACARTHUR HWY.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA		87	53
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -					CONTRACT NO. 68E20			
	PLOT DATE = \$DATES	DATE -	REVISED -								
						SCALE:		STA.	TO STA.		
					ILLINOIS FED. AID PROJECT						



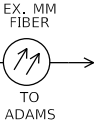
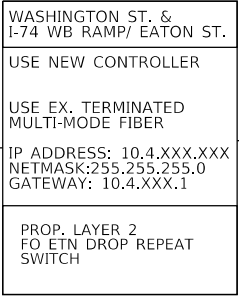
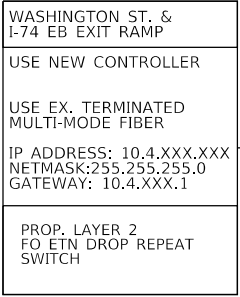
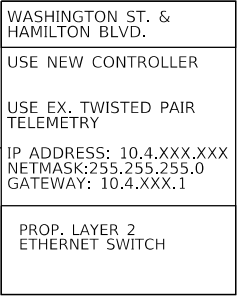
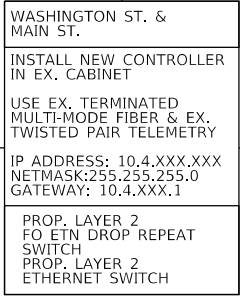
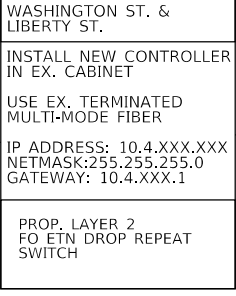
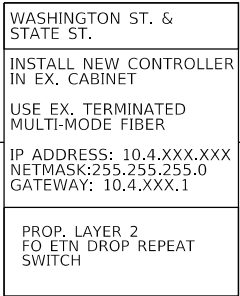
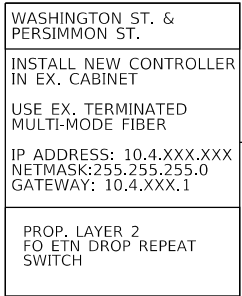
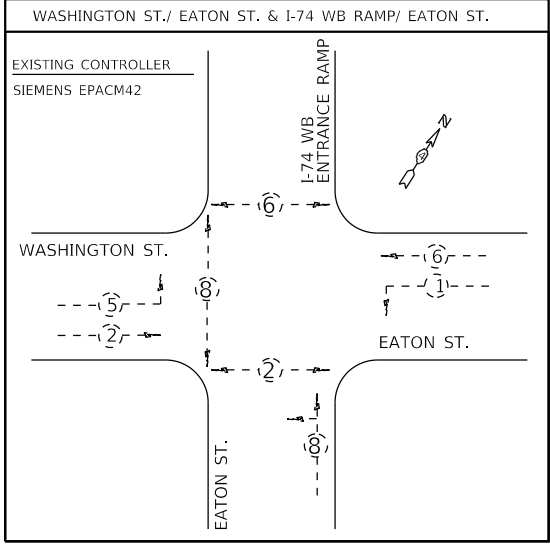
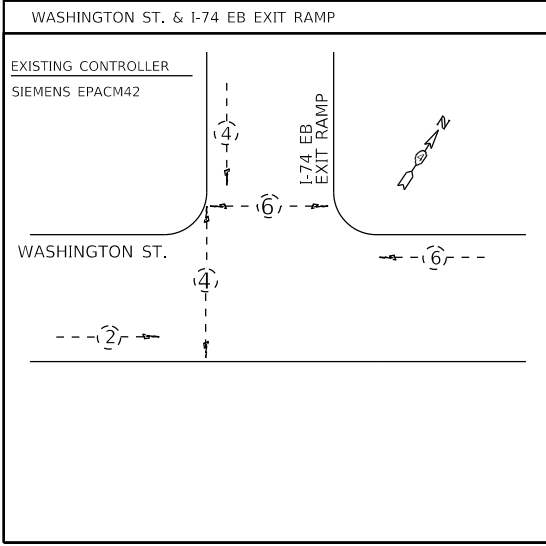
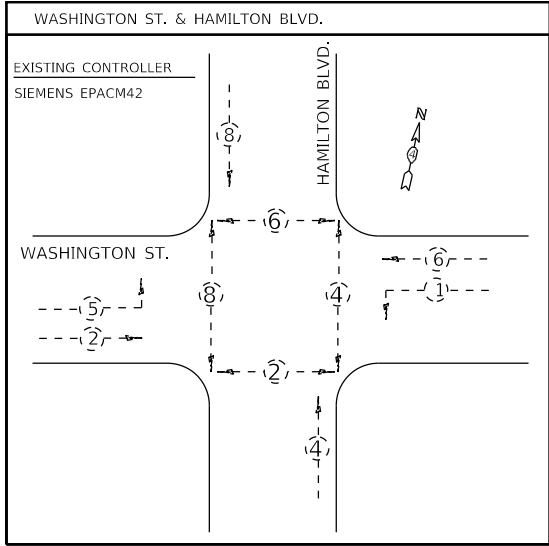
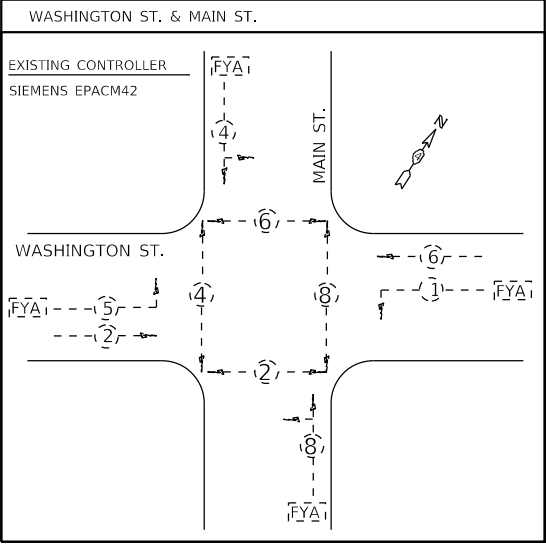
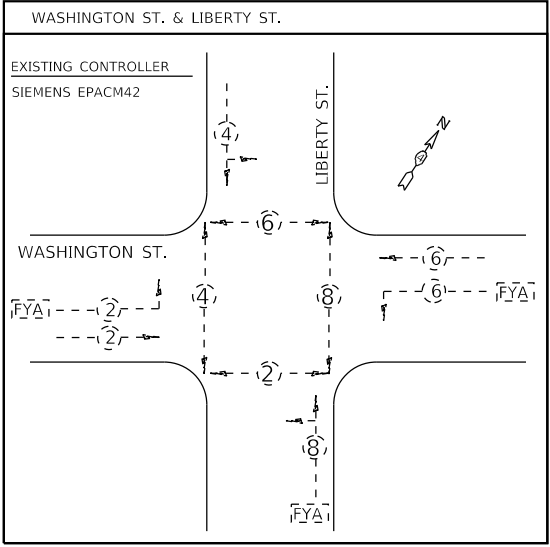
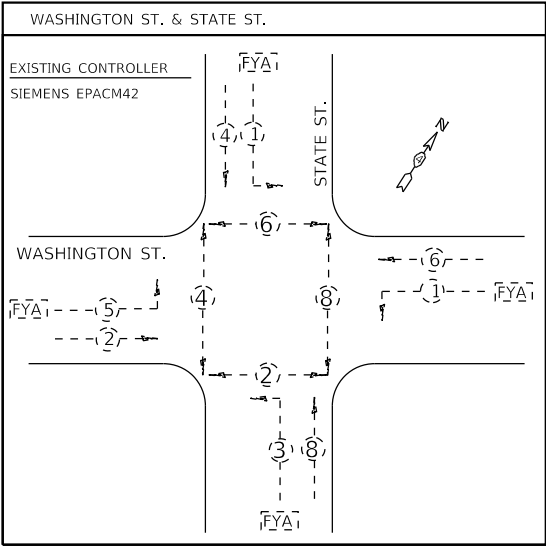
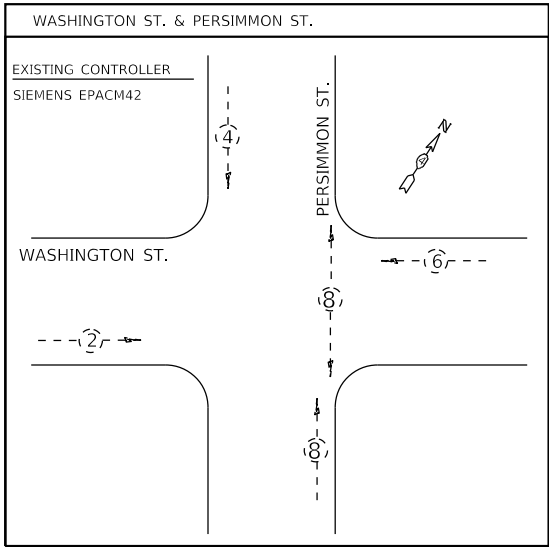
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	7.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	6.0
ETHERNET SWITCH	EACH	2.0

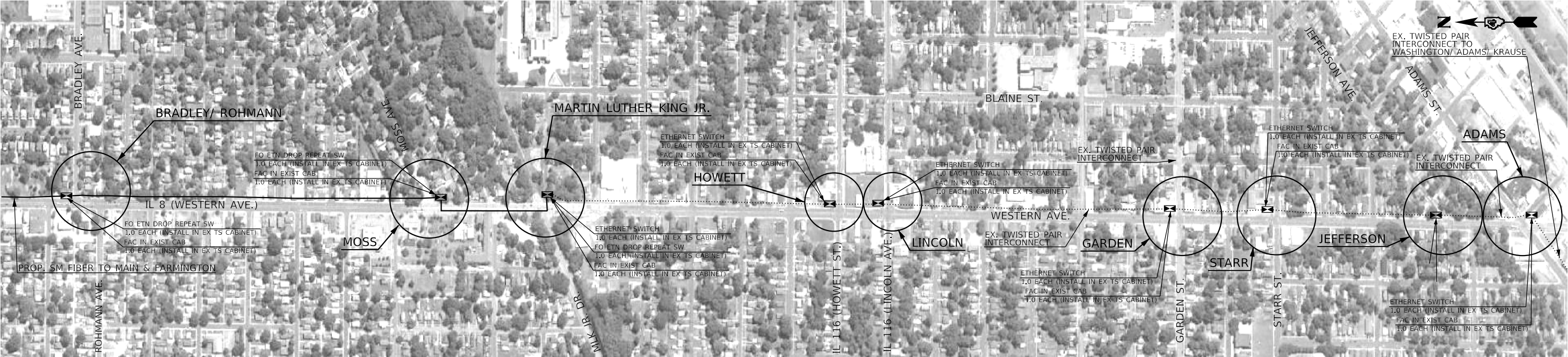
SCHEDULE OF QUANTITIES								
ITEM DESCRIPTION	QTY.	WASHINGTON ST. & PERSIMMON ST.	WASHINGTON ST. & STATE ST.	WASHINGTON ST. & LIBERTY ST.	WASHINGTON ST. & MAIN ST.	WASHINGTON ST. & HAMILTON BLVD.	(UNMARKED) WASHINGTON ST. & I-74 EB EXIT RAMP	(UNMARKED) WASHINGTON ST. & EATON ST./ I-74 WB ENTRANCE RAMP
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0	1.0		1.0	1.0
ETHERNET SWITCH	EACH				1.0	1.0		

TRAFFIC SIGNAL LEGEND	
---	EX. MULTI-MODE FIBER
.....	EX. TWISTED-PAIR INTERCONNECT
⬮	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG WASHINGTON ST. FROM PERSIMMON ST. TO I-74 WB RAMP/EATON ST.				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -										
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -		VAR.	D4 ITS 2018	PEORIA	87	54				
	PLOT DATE = \$DATES	DATE -	REVISED -		CONTRACT NO. 68E20								
					SCALE:		STA.	TO STA.	ILLINOIS FED. AID PROJECT				





SEE SHEET 85 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG IL 8 (WESTERN AVE.) FROM IL 8 (FARMINGTON RD.) TO MLK JR. DR.

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	6.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	3.0
ETHERNET SWITCH	EACH	6.0

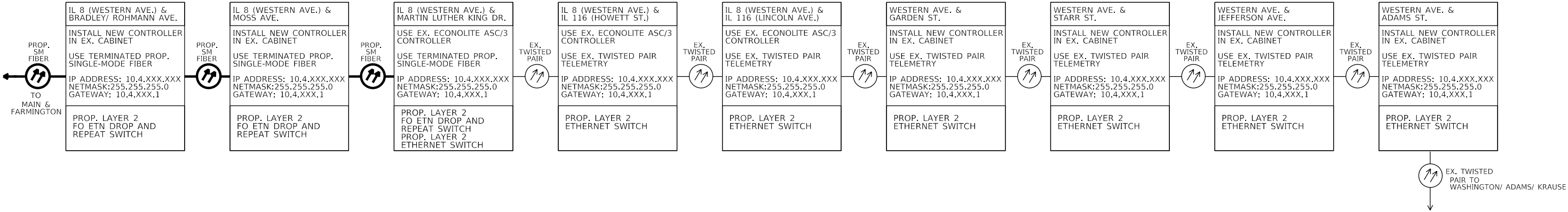
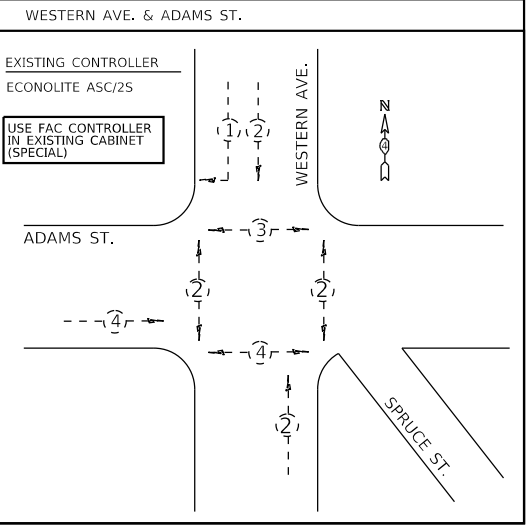
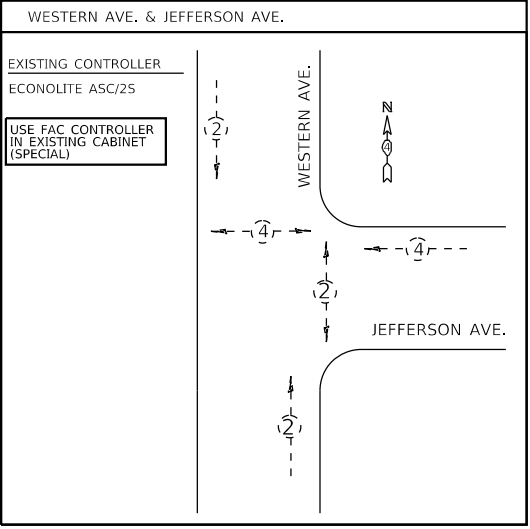
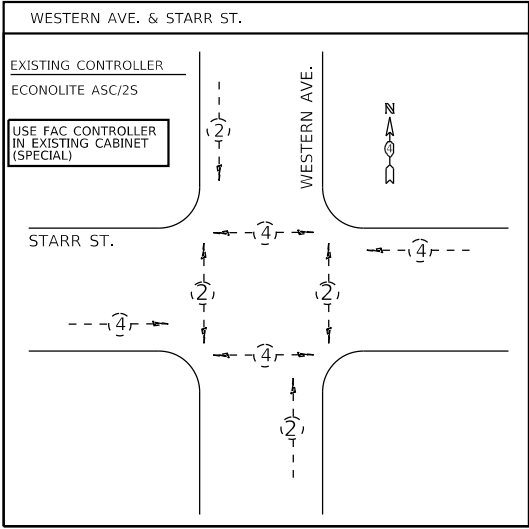
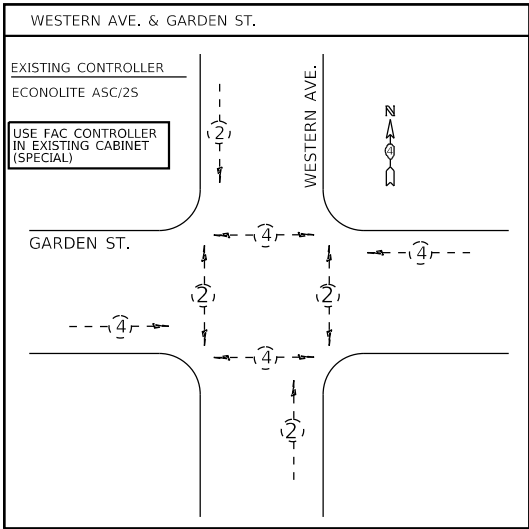
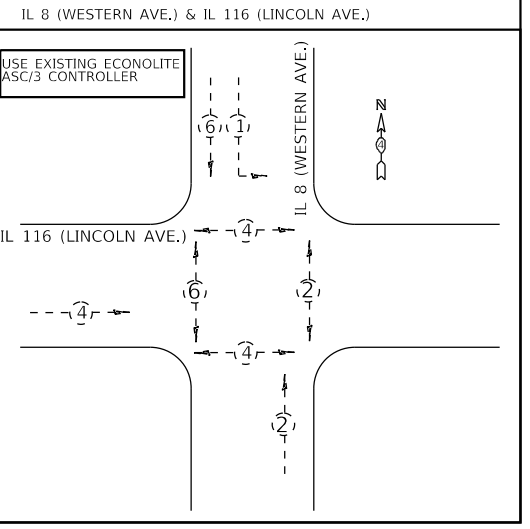
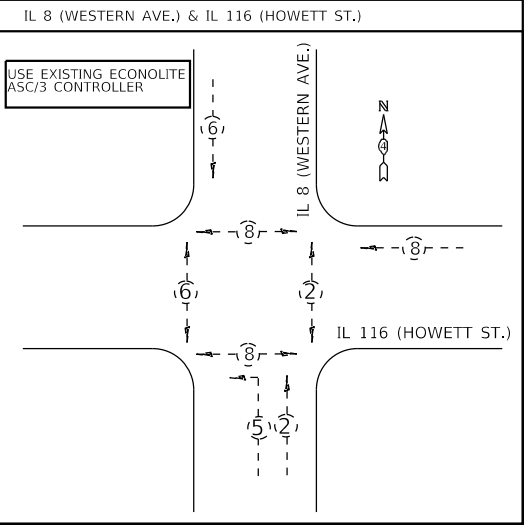
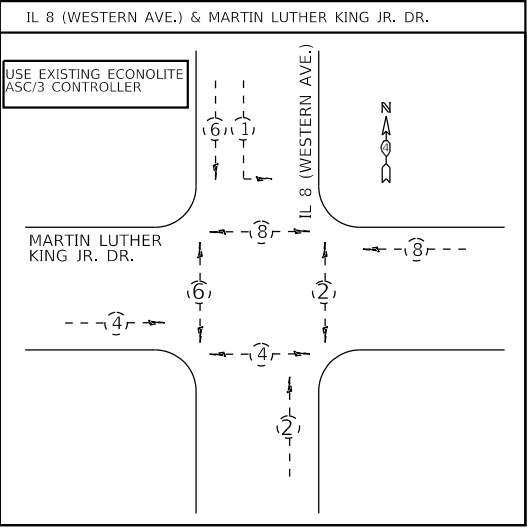
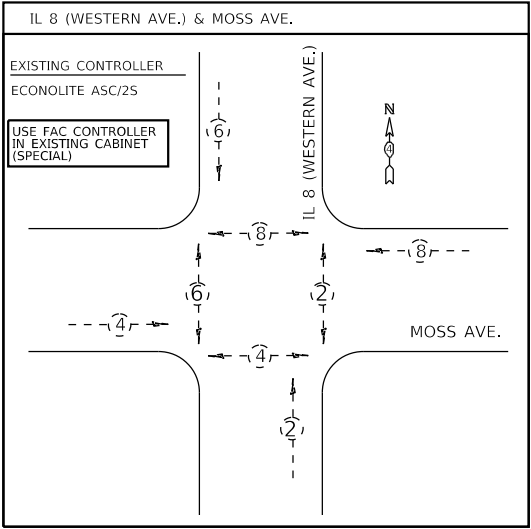
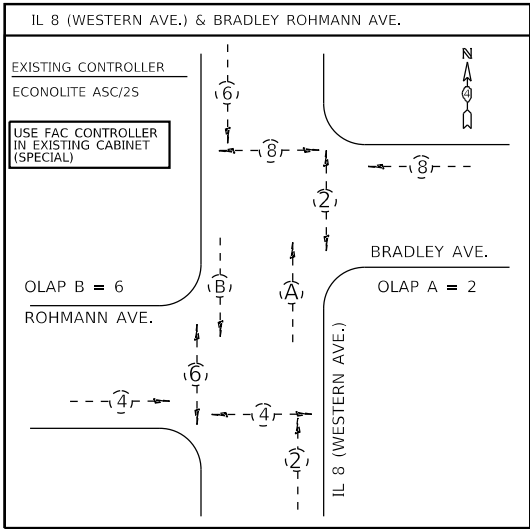
FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

TRAFFIC SIGNAL LEGEND	
	EX. MULTI-MODE FIBER
	EX. TWISTED-PAIR INTERCONNECT
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

SCHEDULE OF QUANTITIES										
ITEM DESCRIPTION	QTY.	IL 8 (WESTERN AVE.) & BRADLEY AVE./ ROHMANN AVE.	IL 8 (WESTERN AVE.) & MOSS AVE.	IL 8 (WESTERN AVE.) & MARTIN LUTHER KING JR. DR.	IL 8 (WESTERN AVE.) & IL 116 (HOWETT ST.)	IL 8 (WESTERN AVE.) & IL 116 (LINCOLN AVE.)	WESTERN AVE. & GARDEN ST.	WESTERN AVE. & STARR ST.	WESTERN AVE. & JEFFERSON AVE.	WESTERN AVE. & ADAMS ST.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0				1.0	1.0	1.0	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0						
ETHERNET SWITCH	EACH				1.0	1.0	1.0	1.0	1.0	1.0

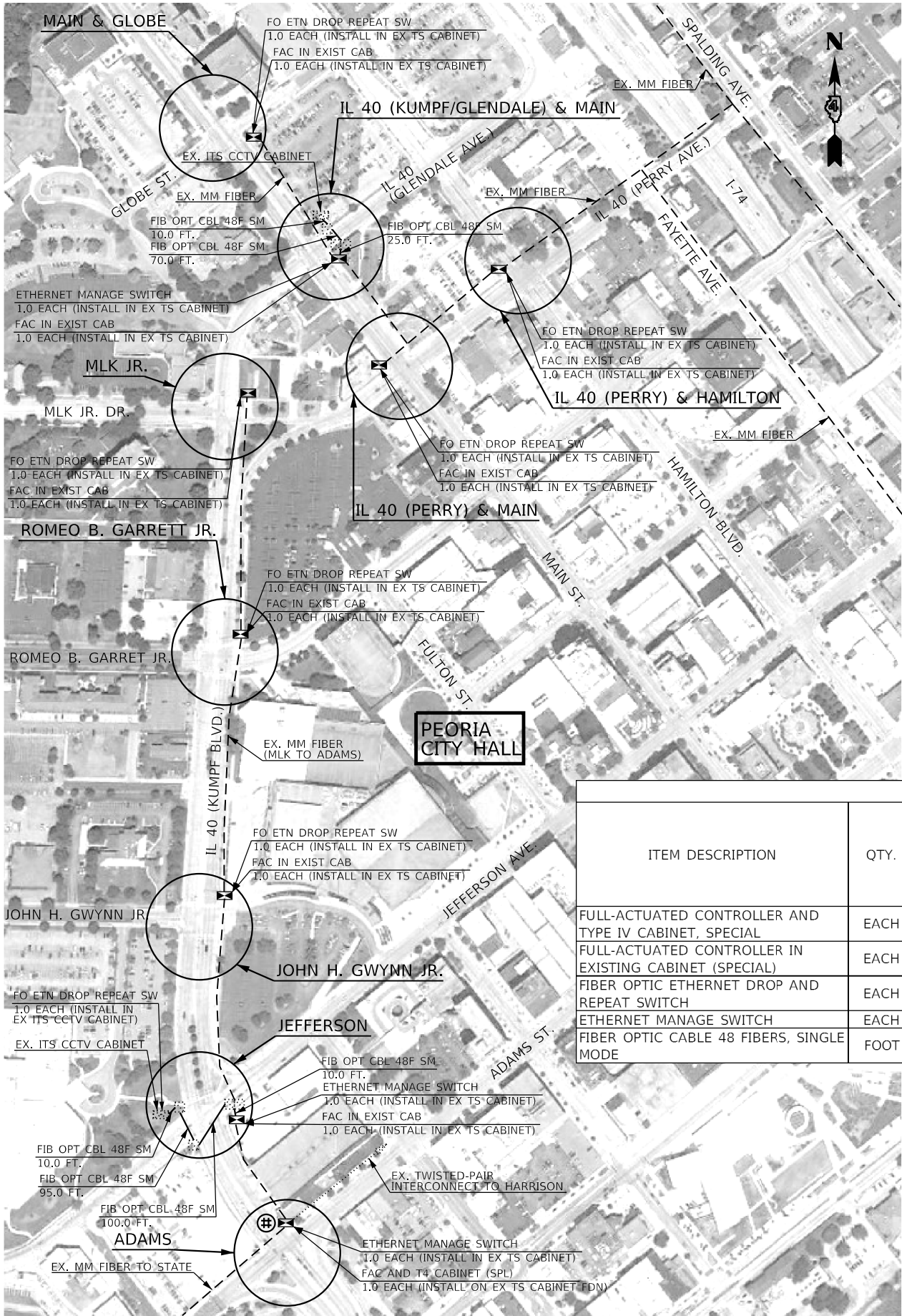
NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG IL 8 (WESTERN AVE.) FROM BRADLEY AVE/ROHMANN AVE.TO ADAMS ST.				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALES	DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	56
	PLOT DATE = \$DATES	CHECKED -	REVISED -		CONTRACT NO. 68E20								
		DATE -	REVISED -		SCALE:		STA.	TO STA.	ILLINOIS FED. AID PROJECT				

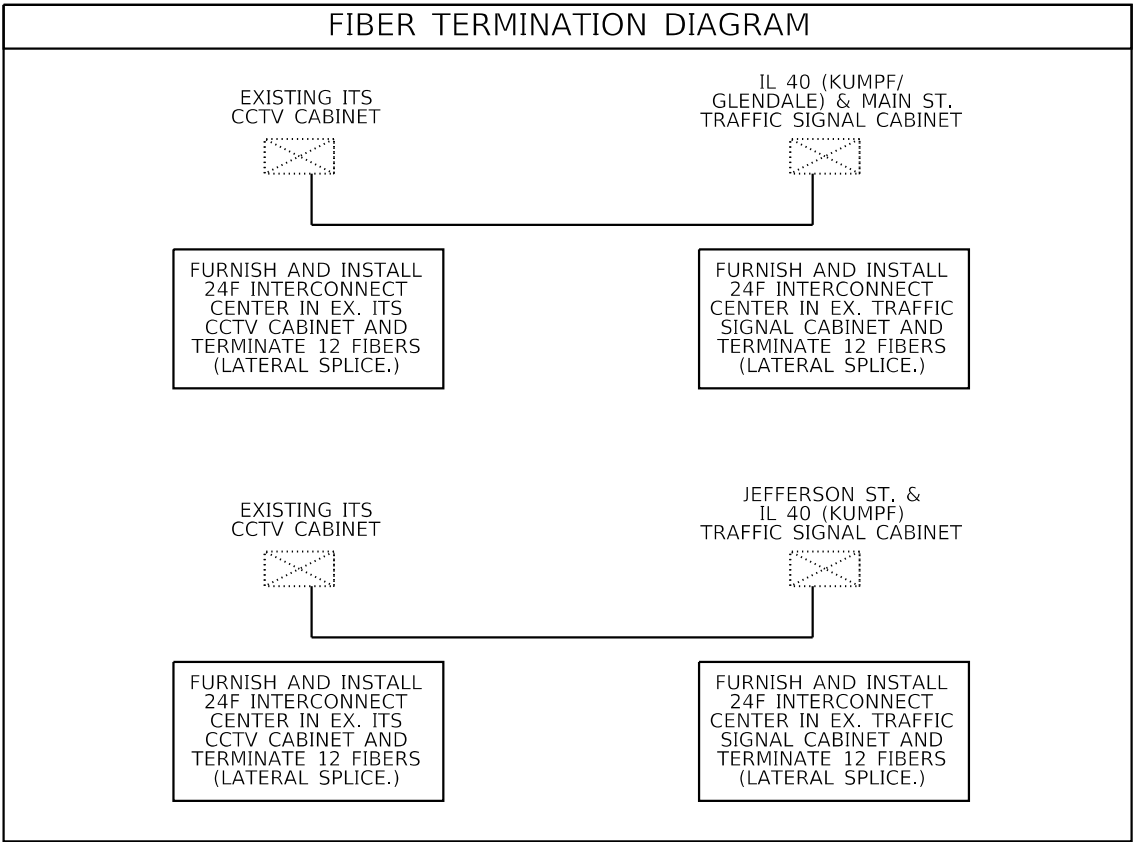


NOT TO SCALE

FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS IL 8 (WESTERN AVE.) FROM BRADLEY/ROHMANN AVE. TO ADAMS ST.		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILES\$		DRAWN -	REVISED -		SCALE:		VAR.	D4 ITS 2018	PEORIA	87	57
	PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -						CONTRACT NO. 68E20		
	PLOT DATE = \$DATES\$	DATE -	REVISED -			STA.	TO STA.		ILLINOIS	FED. AID PROJECT	



THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE THE EXISTING ITS CCTV CABINET AND THE EXISTING TRAFFIC SIGNAL CABINET BY Laterally Splicing INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

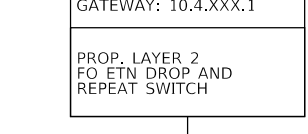
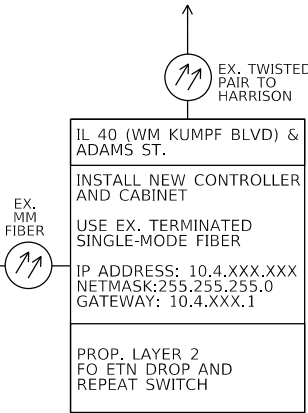
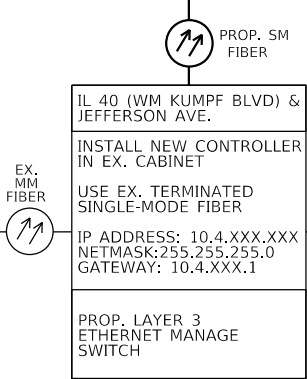
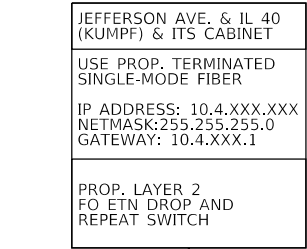
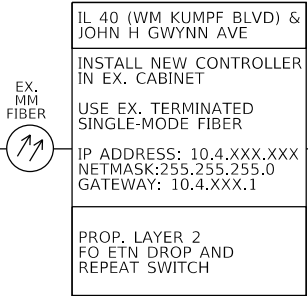
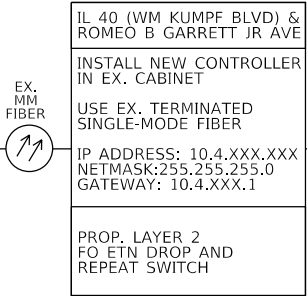
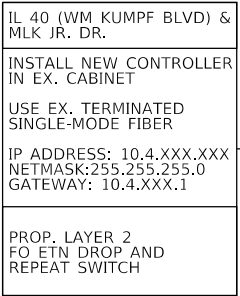
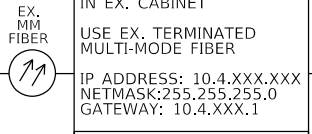
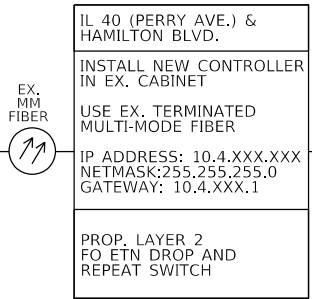
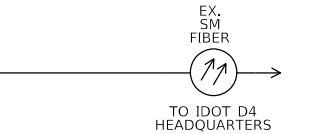
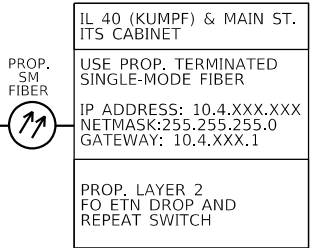
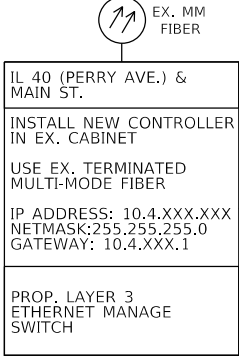
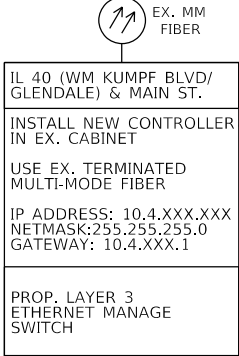
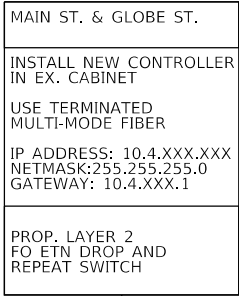
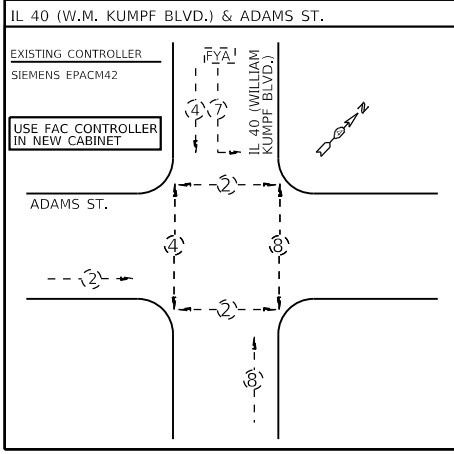
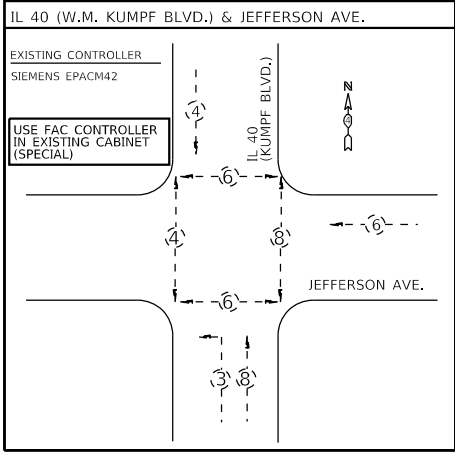
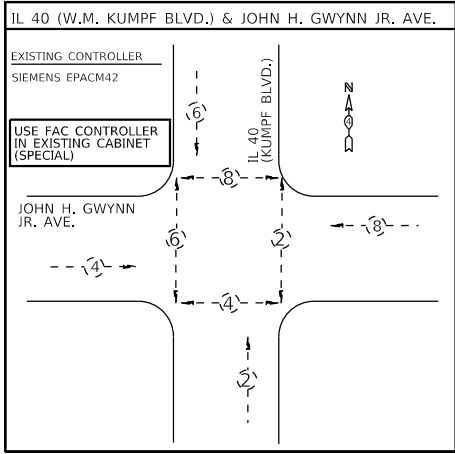
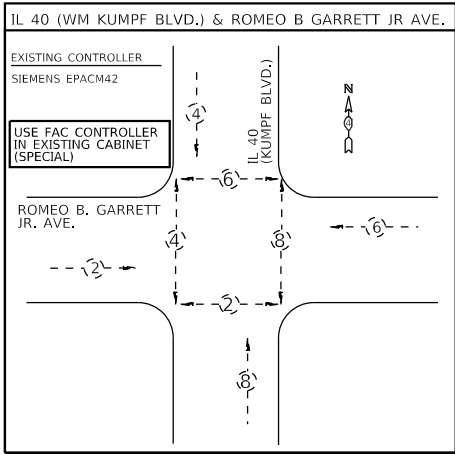
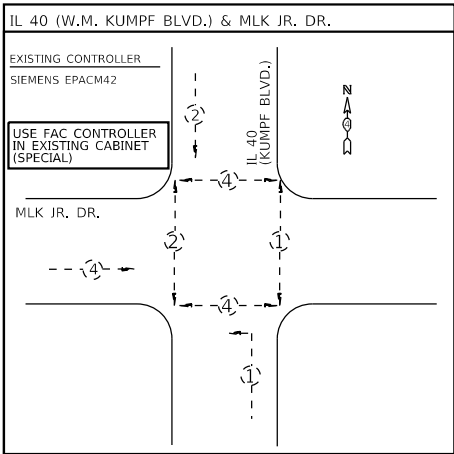
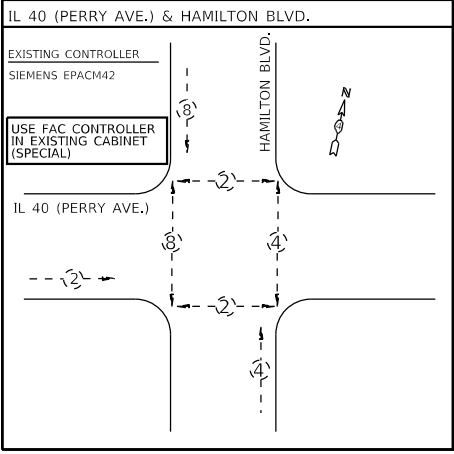
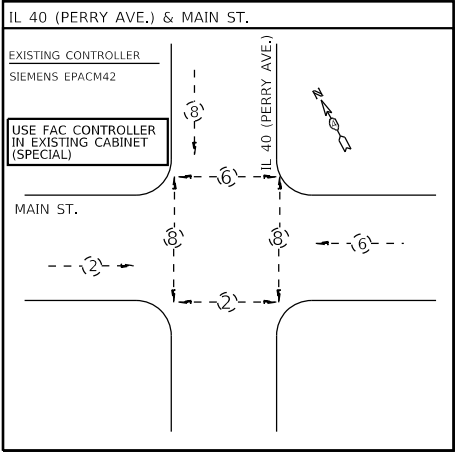
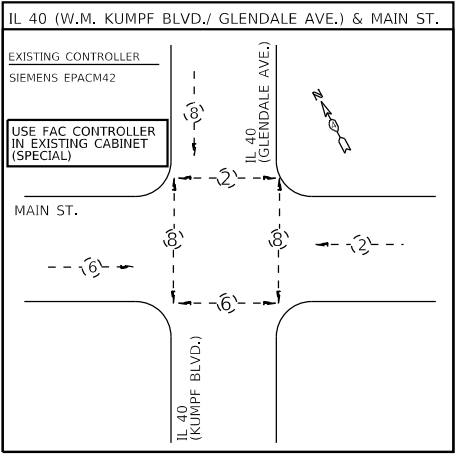
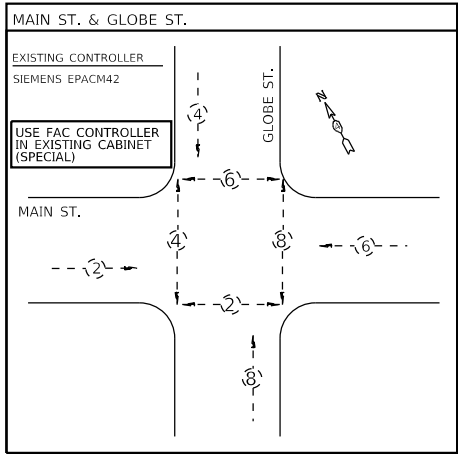
SCHEDULE OF QUANTITIES												
ITEM DESCRIPTION	QTY.	IL 40 (W.M. KUMPF BLVD./ GLENDALE AVE.) & MAIN ST.	IL 40 (W.M. KUMPF BLVD.) & MARTIN LUTHER KING JR. DR.	IL 40 (W.M. KUMPF BLVD.) & ROMEO B. GARRETT AVE.	IL 40 (W.M. KUMPF BLVD.) & JOHN H. GWYNN JR. AVE.	IL 40 (W.M. KUMPF BLVD.) & JEFFERSON AVE.	IL 40 (W.M. KUMPF BLVD.) & ADAMS ST.	IL 40 (PERRY AVE.) & MAIN ST.	IL 40 (PERRY AVE.) & HAMILTON BLVD.	MAIN ST. & GLOBE ST.	ITS CCTV CABINET IL 40 (KUMPF/ GLENDALE) & MAIN ST.	ITS CCTV CABINET JEFFERSON ST. & IL 40 (KUMPF)
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH						1.0					
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0		
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH		1.0	1.0	1.0			1.0	1.0	1.0	1.0	1.0
ETHERNET MANAGE SWITCH	EACH	1.0				1.0	1.0					
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT										171.0	291.0

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1.0
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	8.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	8.0
ETHERNET MANAGE SWITCH	EACH	3.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	462.0

TRAFFIC SIGNAL LEGEND	
--	EX. MULTI-MODE FIBER
.....	EX. TWISTED-PAIR INTERCONNECT
⊗	EX. HANDHOLE
⊞	EX. DOUBLE HANDHOLE
⊞	EX. ITS CABINET
⊞	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
⊞⊞	PROP. TRAFFIC SIGNAL CONTROLLER AND CABINET
—	PROP. SINGLE MODE FIBER IN EX. CONDUIT

NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG IL 40 (W.M. KUMPF BLVD.) FROM GLENDALE AVE. TO ADAMS ST.	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALES\$	DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	58
	PLOT DATE = \$DATES\$	CHECKED -	REVISED -						CONTRACT NO. 68E20				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



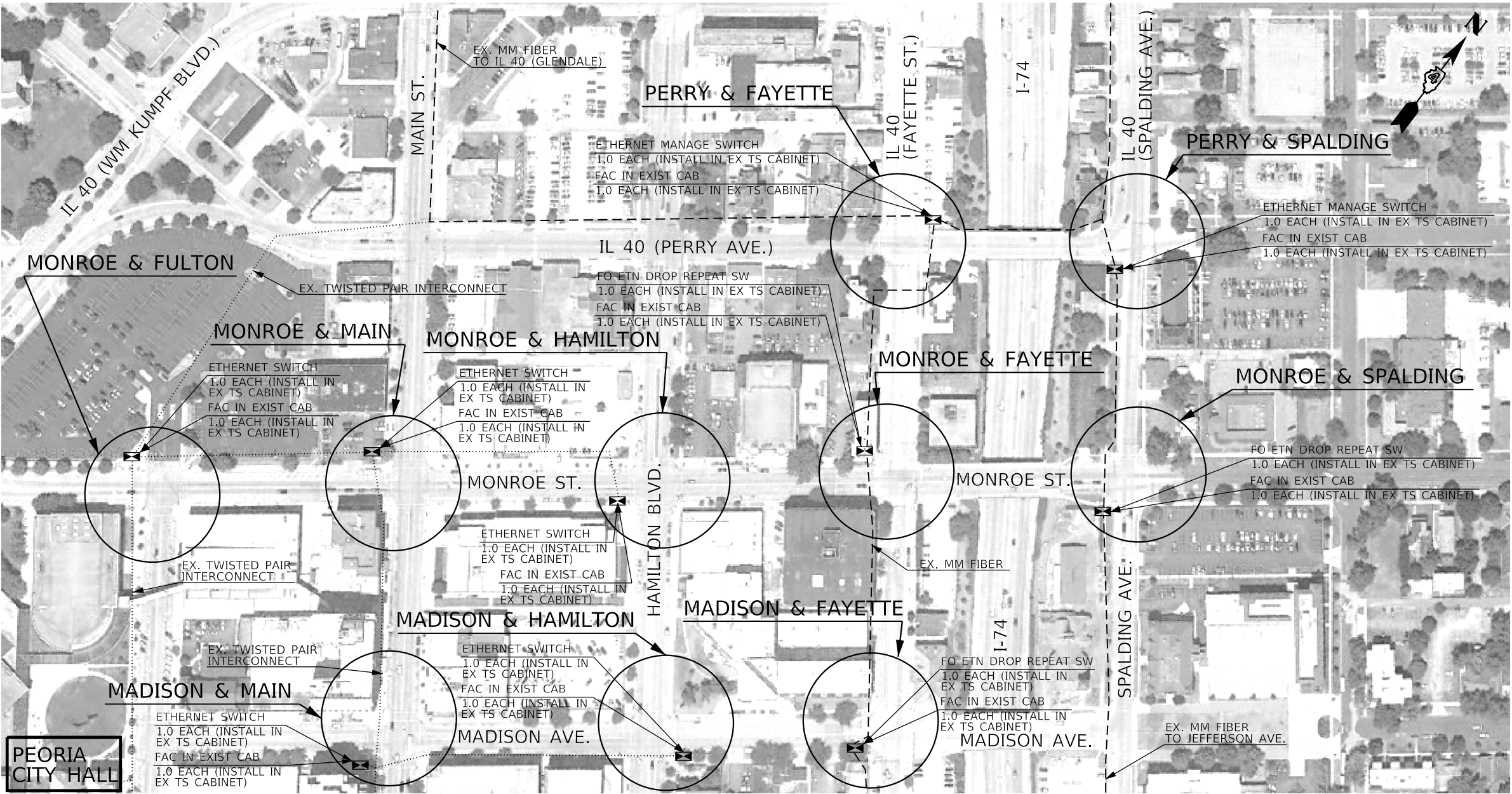
NOT TO SCALE

FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISED -
\$FILES\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -
	PLOT DATE = \$DATES\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PHASE AND COMMUNICATION DIAGRAMS	
IL 40 (WM KUMPF BLVD.) FROM GLENDALE AVE. TO ADAMS ST.	
SCALE:	STA. TO STA.

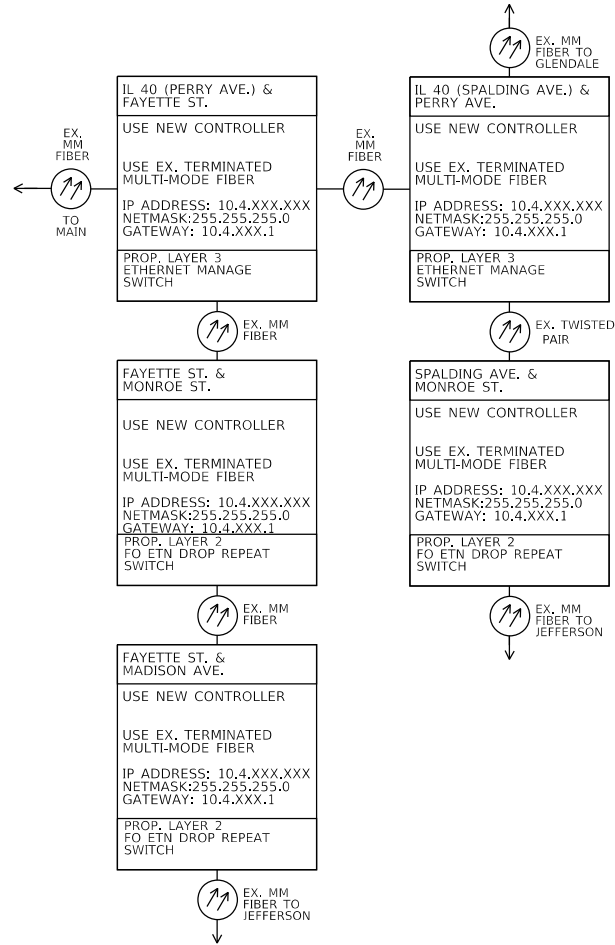
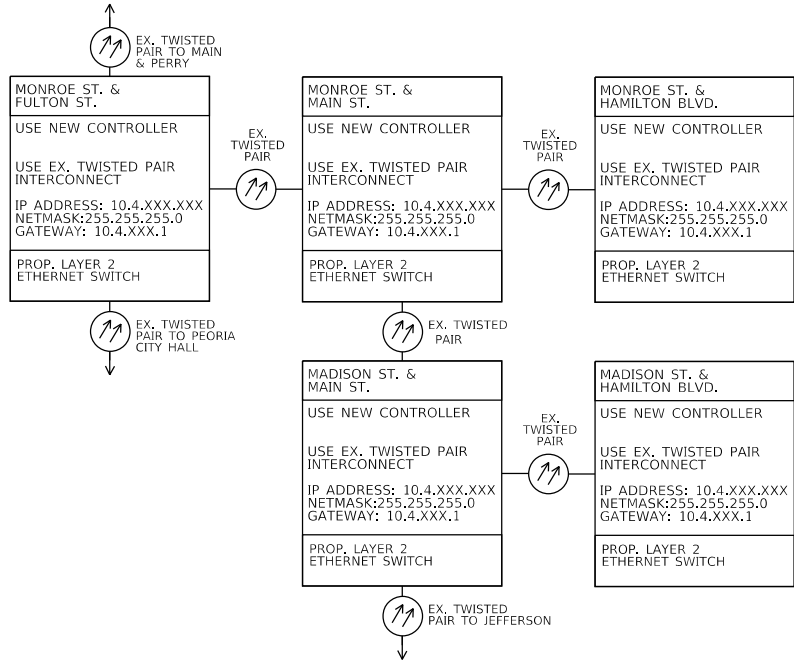
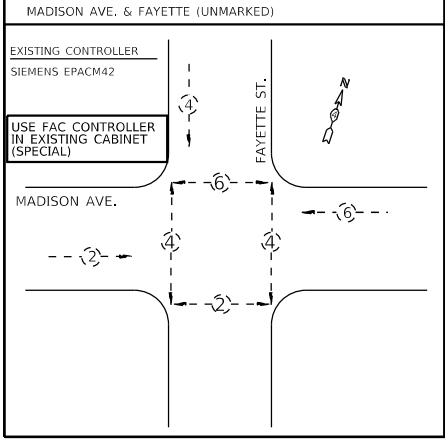
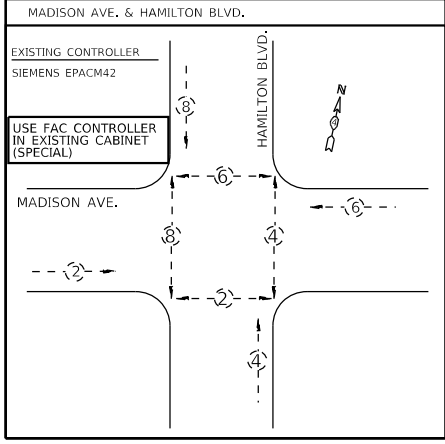
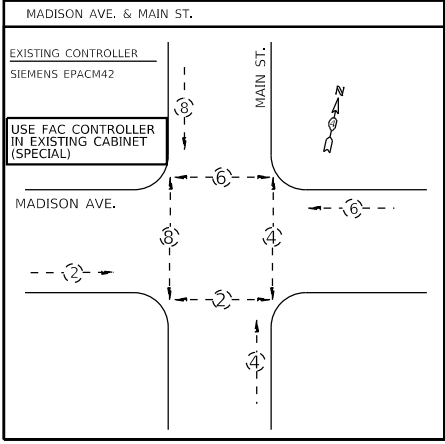
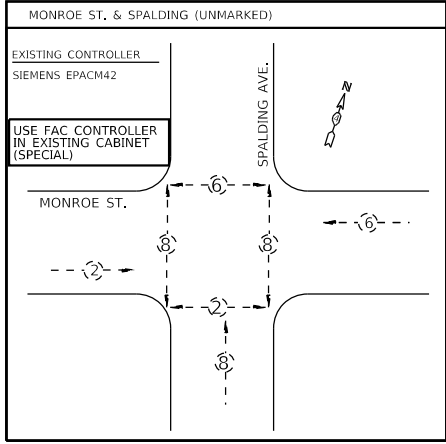
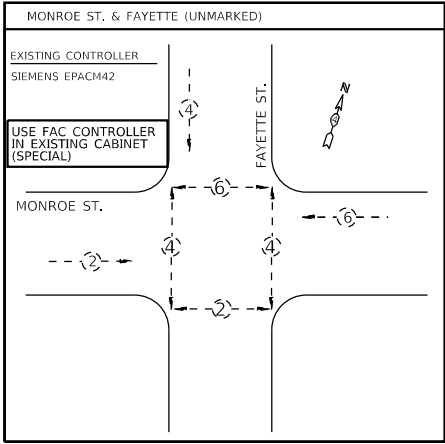
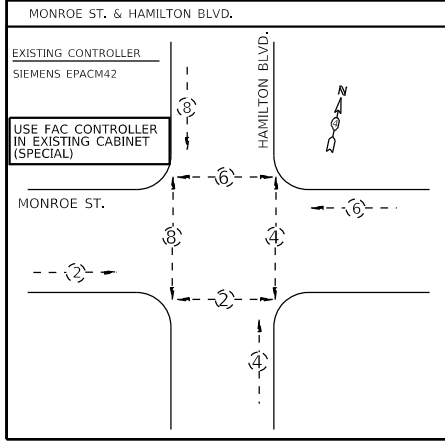
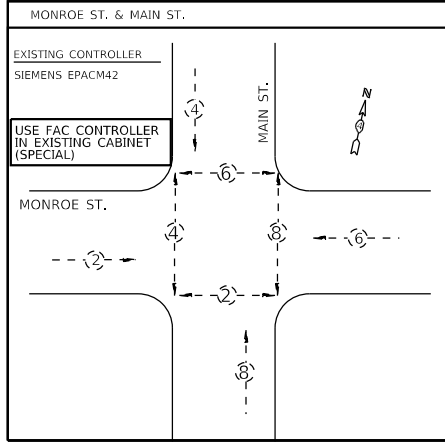
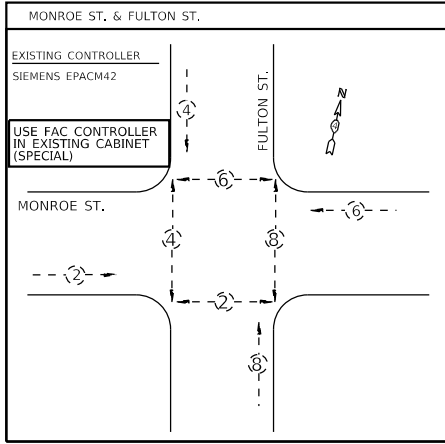
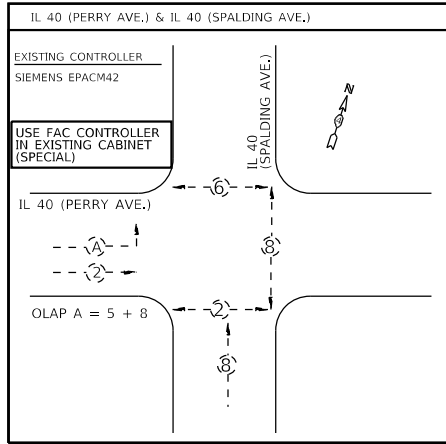
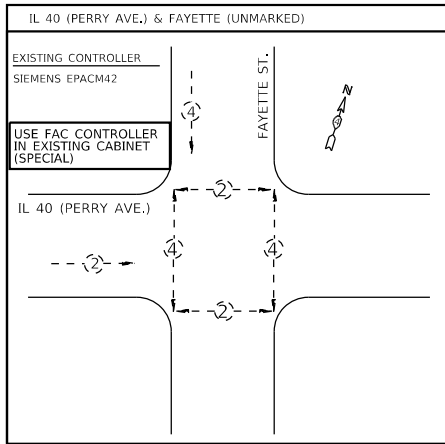
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 ITS 2018	PEORIA	87	59
CONTRACT NO. 68E20				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	10.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	5.0
ETHERNET SWITCH	EACH	5.0

TRAFFIC SIGNAL LEGEND	
	EX. MULTI-MODE FIBER
	EX. TWISTED-PAIR INTERCONNECT
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

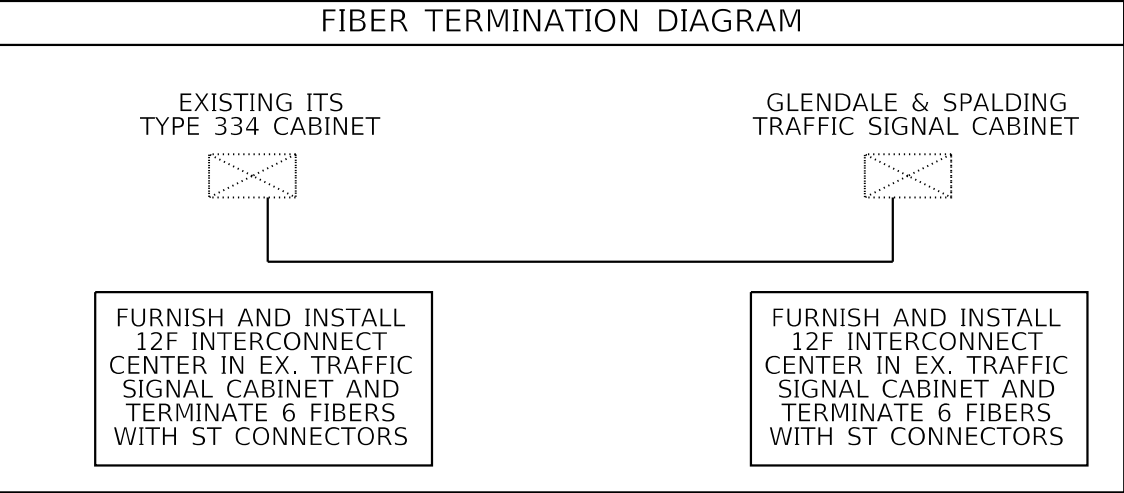
SCHEDULE OF QUANTITIES											
ITEM DESCRIPTION	QTY.	PERRY AVE. & FAYETTE ST.	PERRY AVE. & SPALDING AVE.	MONROE ST. & FULTON ST.	MONROE ST. & MAIN ST.	MONROE ST. & HAMILTON BLVD.	MONROE ST. & FAYETTE ST.	MONROE ST. & SPALDING AVE.	MADISON AVE. & MAIN ST.	MADISON AVE. & HAMILTON BLVD.	MADISON AVE. & FAYETTE ST.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0				1.0	1.0			1.0
ETHERNET SWITCH	EACH			1.0	1.0	1.0			1.0	1.0	



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS PERRY AVE/MADISON ST/MONROE ST FROM FULTON TO SPALDING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	61
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -					CONTRACT NO. 68E20		
	PLOT DATE = \$DATES	DATE -	REVISED -			SCALE:		STA.	TO STA.	ILLINOIS

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY Laterally splicing into the proposed fiber optic cable. All unused fibers shall remain intact and continuous for future use.



FIBER OPTIC CABLE SLACK

HANDHOLE: 10.0 FT.
DOUBLE HANDHOLE: 30.0 FT.
COMM. VAULT: 100.0 FT.
JUNCTION BOX: 10.0 FT.
ITS OR SIGNAL CABINET: 10.0 FT.

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	5.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	4.0
ETHERNET MANAGE SWITCH	EACH	2.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	239.0

- TRAFFIC SIGNAL LEGEND
- EX. MULTI-MODE FIBER

EX. HANDHOLE

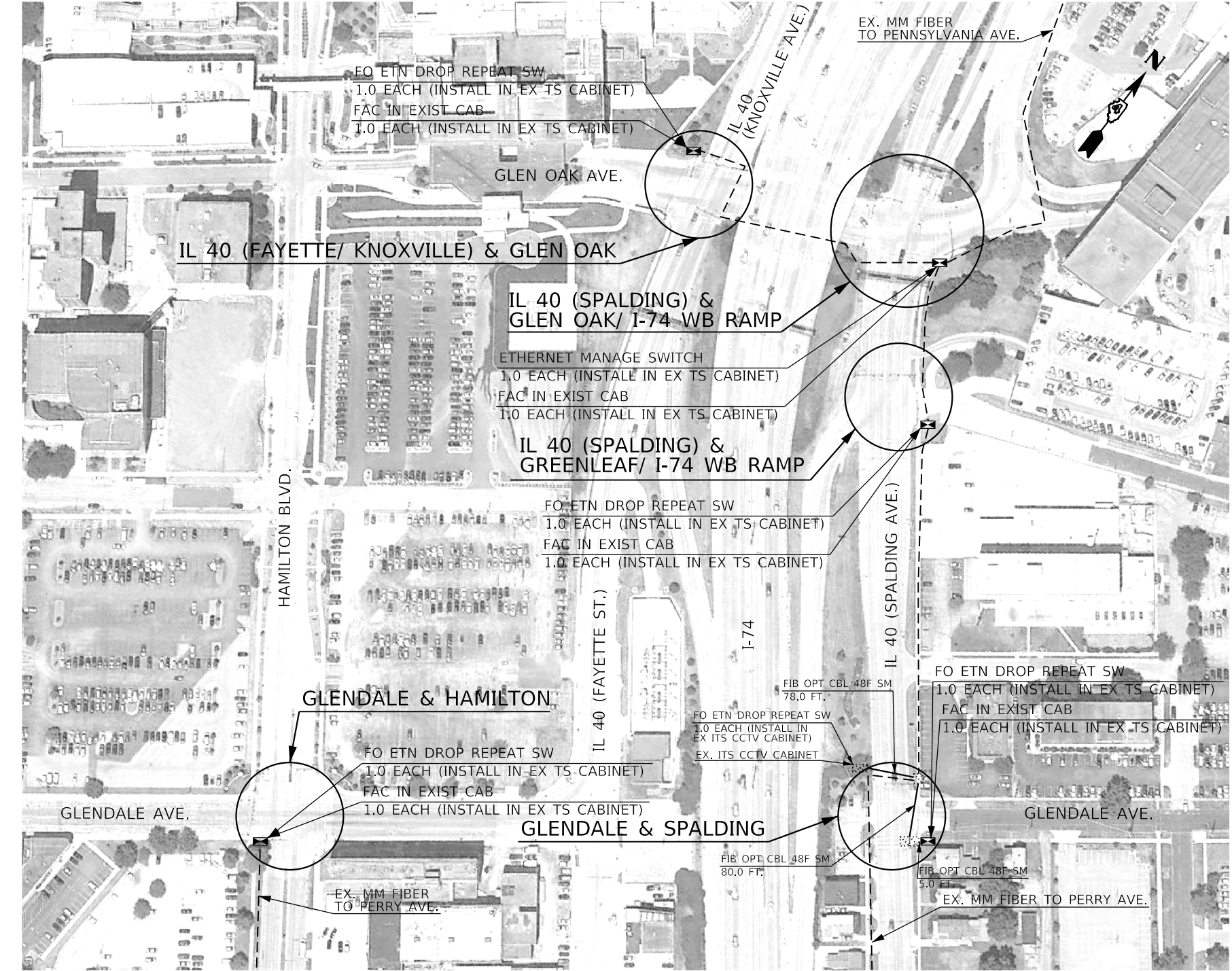
EX. DOUBLE HANDHOLE

EX. ITS CABINET

PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

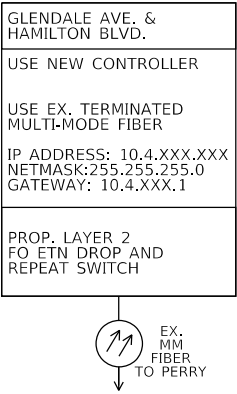
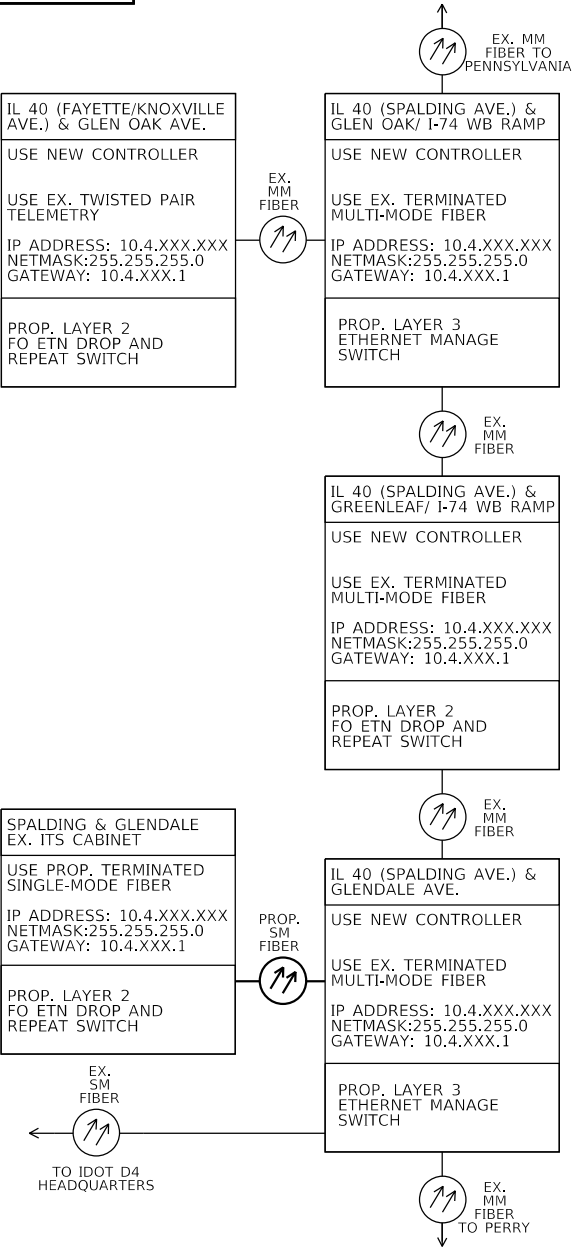
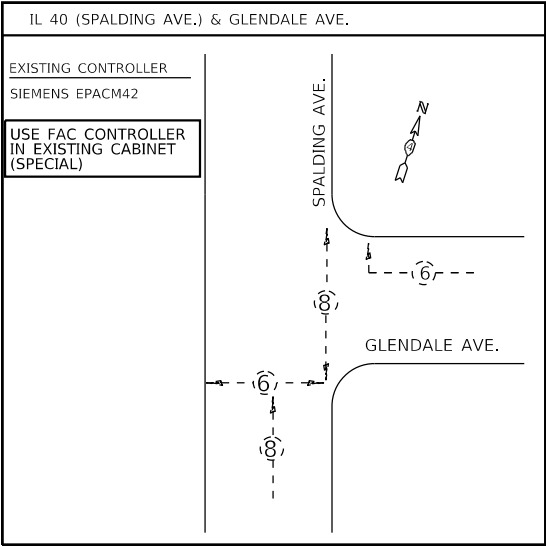
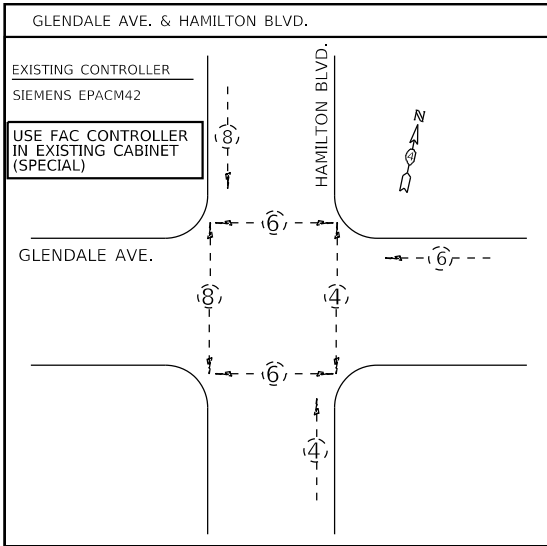
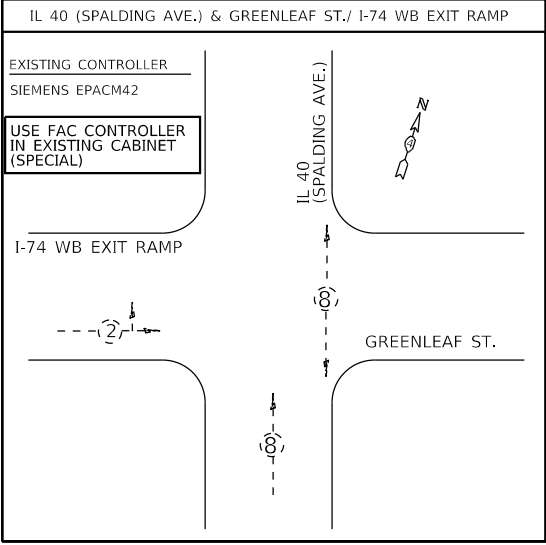
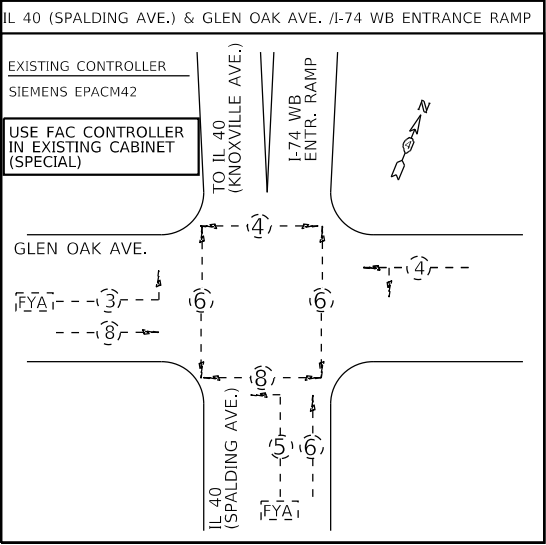
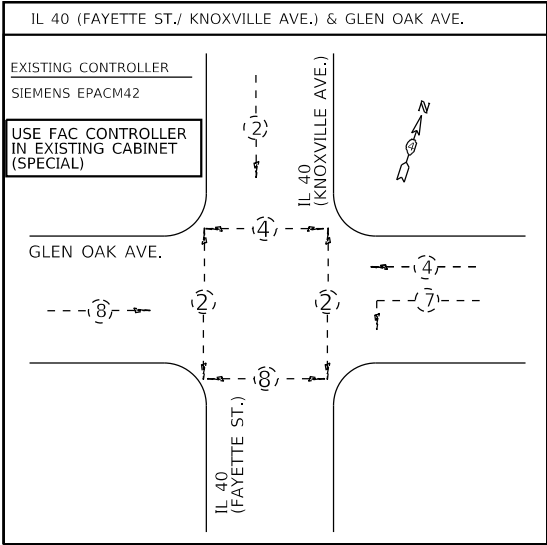
PROP. SINGLE MODE FIBER IN EX. CONDUIT

NOT TO SCALE



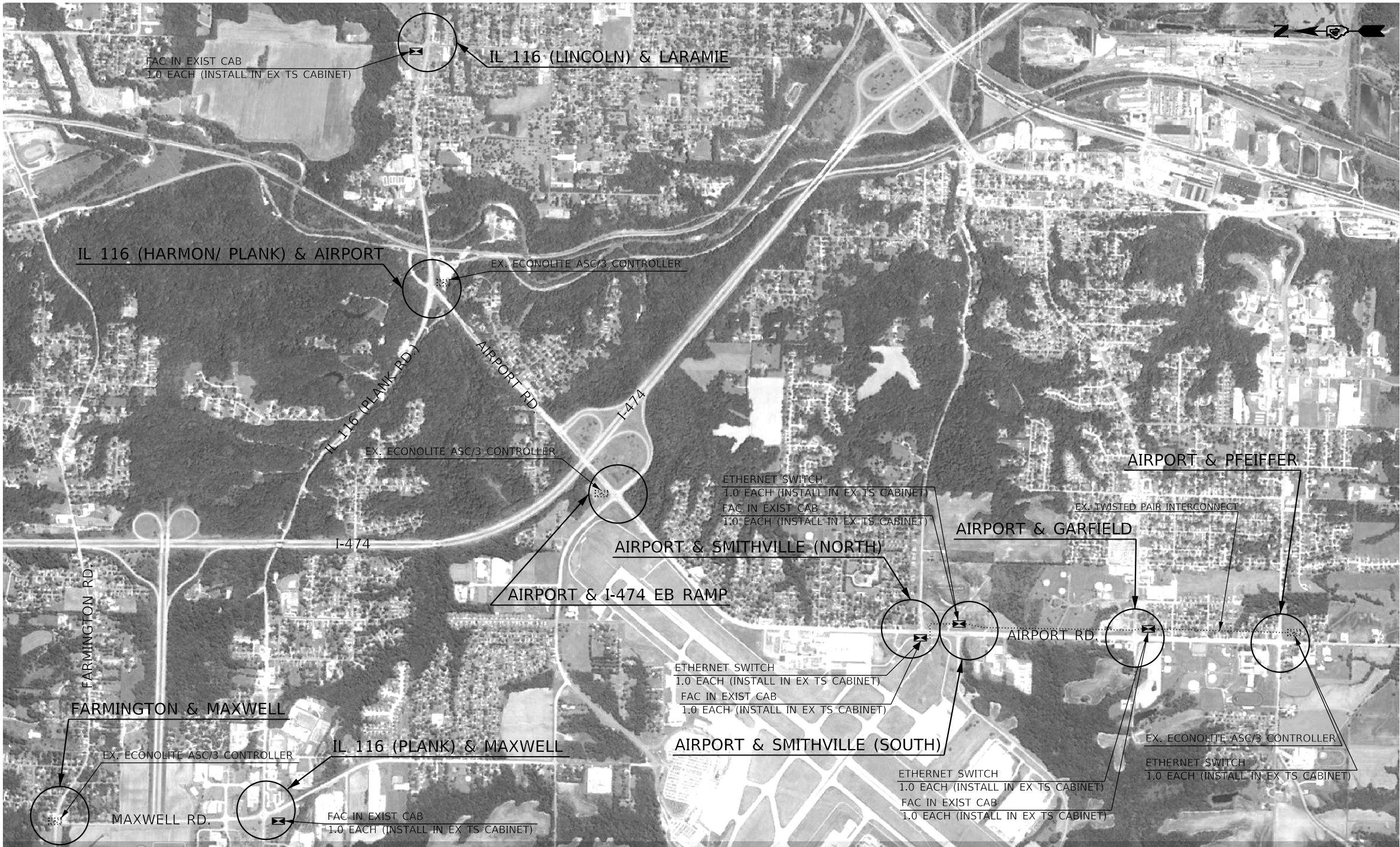
SCHEDULE OF QUANTITIES						
ITEM DESCRIPTION	QTY.	IL 40 (FAYETTE ST./ KNOXVILLE AVE.) & GLEN OAK AVE.	IL 40 (SPALDING AVE.) & GLEN OAK AVE. / I-74 WB ENTRANCE RAMP	IL 40 (SPALDING AVE.) & GREENLEAF ST. / I-74 WB EXIT RAMP	GLENDALE AVE. & HAMILTON BLVD.	EX. ITS CABINET IL 40 (SPALDING AVE.) & GLENDALE AVE.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0		1.0	1.0	
ETHERNET MANAGE SWITCH	EACH		1.0			1.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT					239.0

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG FAYETTE /SPALDING /GLENDALE FROM GLEN OAK AVE. TO HAMILTON BLVD.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -									
	PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -		VAR.	D4 ITS 2018	PEORIA	87	62			
	PLOT DATE = \$DATES\$	DATE -	REVISED -		CONTRACT NO. 68E20							
SCALE:				STA.	TO STA.		ILLINOIS FED. AID PROJECT					



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS FAYETTE/SPALDING/GLENDALE FROM GLEN OAK AVE TO HAMILTON BLVD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				VAR.	D4 ITS 2018	PEORIA	87	63
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -		CONTRACT NO. 68E20						
	PLOT DATE = \$DATES	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						
SCALE:			STA.		TO STA.						

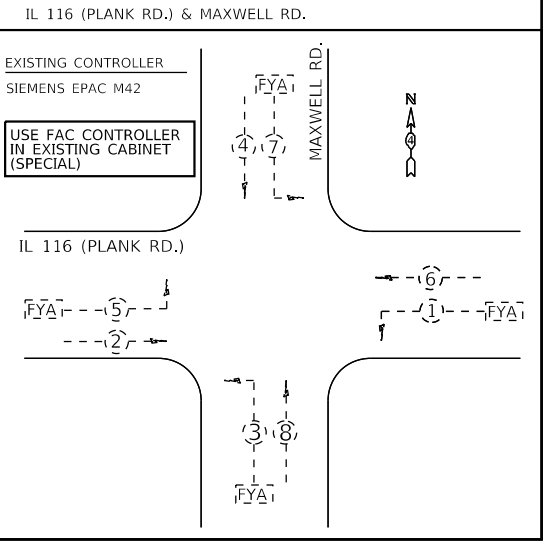
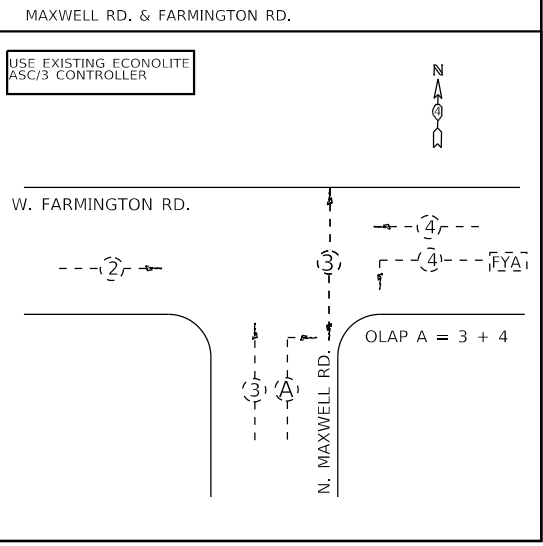
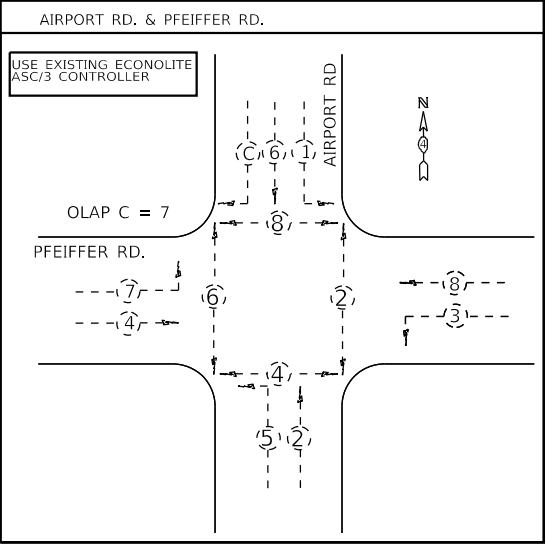
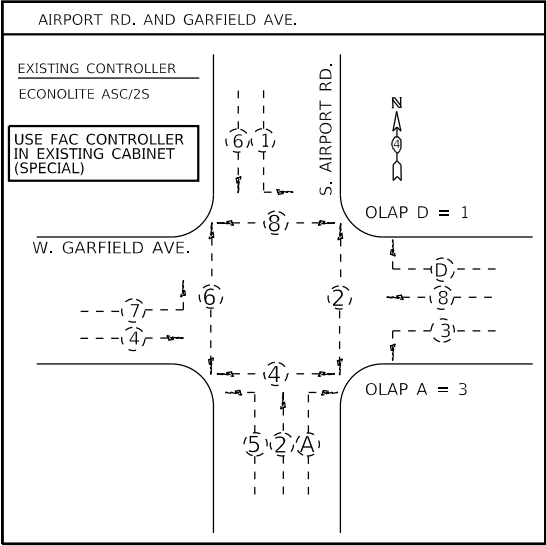
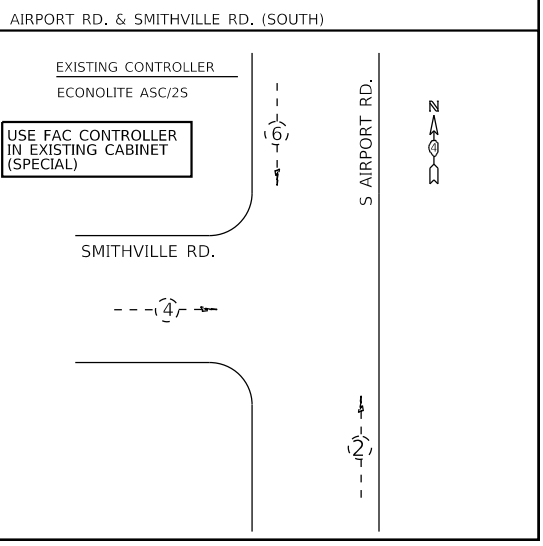
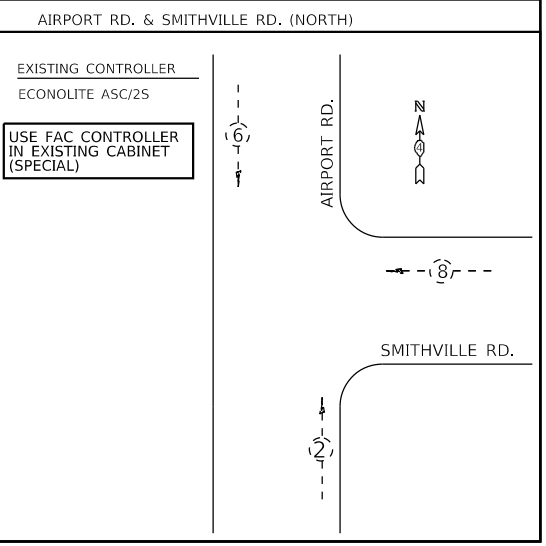
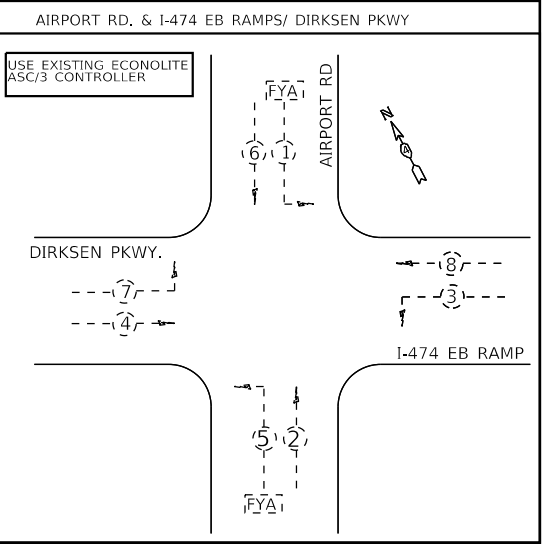
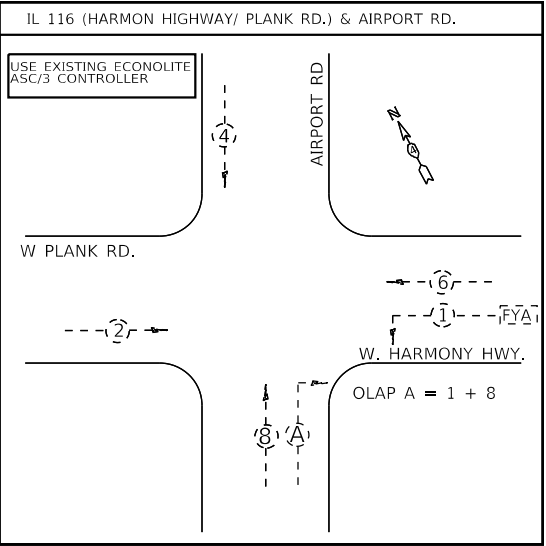
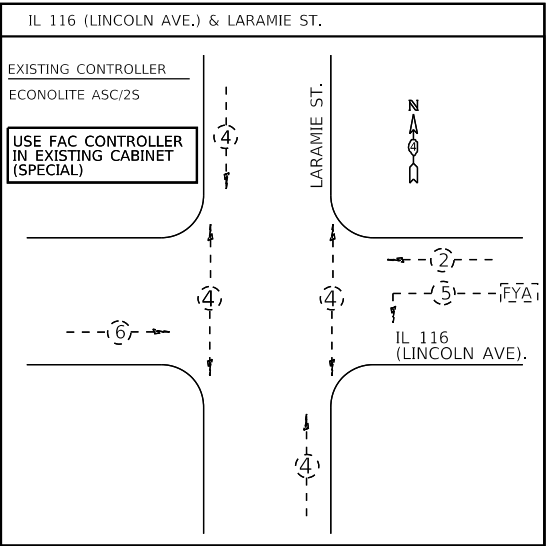


TRAFFIC SIGNAL LEGEND

- EX. TRAFFIC SIGNAL CONTROLLER
- EX. TWISTED-PAIR INTERCONNECT
- PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	5.0
ETHERNET SWITCH	EACH	4.0

SCHEDULE OF QUANTITIES							
ITEM DESCRIPTION	QTY.	IL 116 (LINCOLN AVE.) & LARAMIE ST.	AIRPORT RD. & SMITHVILLE RD. (NORTH)	AIRPORT RD. & SMITHVILLE RD. (SOUTH)	AIRPORT RD. & GARFIELD AVE.	AIRPORT RD. & PFEIFFER RD.	IL 116 & MAXWELL RD. / PLANK RD.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0		1.0
ETHERNET SWITCH, GIGIBIT, SFP, DROP & REPEAT	EACH		1.0	1.0	1.0	1.0	



IL 116 (LINCOLN AVE.) &
LARAMIE ST.

INSTALL NEW CONTROLLER
IN EX. CABINET

FUTURE COMMUNICATION
THROUGH BROADBAND /
CELLULAR

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

IL 118 (HARMON HWY./
PLANK RD.) & AIRPORT RD.

USE EX. ECONOLITE ASC/3
CONTROLLER

FUTURE COMMUNICATION
THROUGH BROADBAND /
CELLULAR

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

AIRPORT RD. & I-474 EB
RAMPS/ DIRKSEN PKWY.

USE EX. ECONOLITE ASC/3
CONTROLLER

USE EX. TERMINATED
MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

USE EXISTING
ETHERNET SWITCH

AIRPORT RD. &
SMITHVILLE RD. (NORTH)

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TWISTED PAIR
TELEMETRY

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
ETHERNET SWITCH

AIRPORT RD. &
SMITHVILLE RD. (SOUTH)

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TWISTED PAIR
TELEMETRY

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
ETHERNET SWITCH

AIRPORT RD. &
GARFIELD AVE.

INSTALL NEW CONTROLLER
IN EX. CABINET

USE EX. TWISTED PAIR
TELEMETRY

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
ETHERNET SWITCH

AIRPORT RD. &
PFEIFFER RD.

USE EX. ECONOLITE ASC/3
CONTROLLER

USE EX. TWISTED PAIR
TELEMETRY

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

PROP. LAYER 2
ETHERNET SWITCH

MAXWELL RD. &
FARMINGTON RD.

INSTALL NEW CONTROLLER
IN EX. CABINET

FUTURE COMMUNICATION
THROUGH BROADBAND /
CELLULAR

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

IL 116 (PLANK RD.) &
MAXWELL RD.

INSTALL NEW CONTROLLER
IN EX. CABINET

FUTURE COMMUNICATION
THROUGH BROADBAND /
CELLULAR

IP ADDRESS: 10.4.XXX.XXX
NETMASK:255.255.255.0
GATEWAY: 10.4.XXX.1

NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS AIRPORT RD./IL 116 /MAXWELL RD.		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -				VAR.	D4 ITS 2018	PEORIA	87	65
	PLOT SCALE = \$SCALES\$		CHECKED -	REVISED -		SCALE:		STA.		CONTRACT NO. 68E20		
	PLOT DATE = \$DATES\$		DATE -	REVISED -				TO STA.		ILLINOIS	FED. AID PROJECT	



SEE SHEET 85 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG IL 8 (WESTERN AVE.) FROM IL 8 (FARMINGTON RD.) TO MLK JR. DR.

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	2.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	3.0
ETHERNET SWITCH	EACH	2.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	3300.0

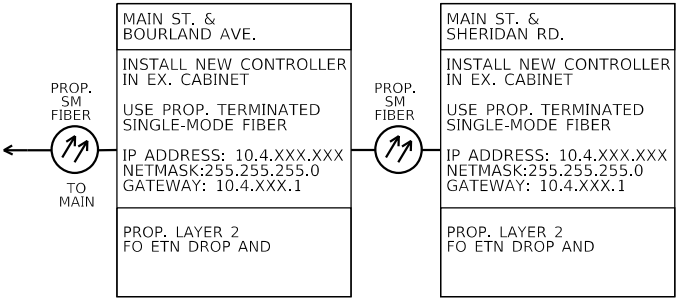
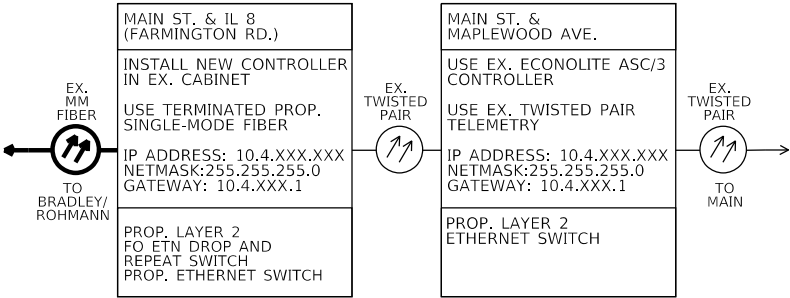
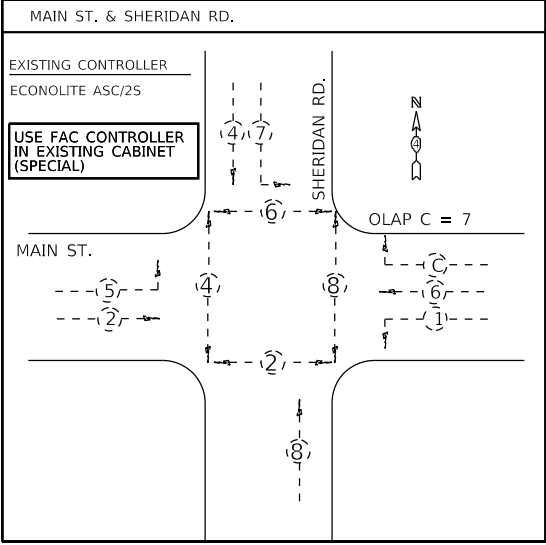
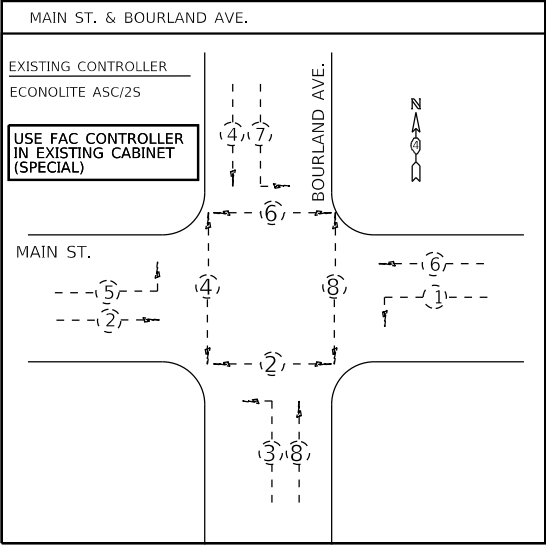
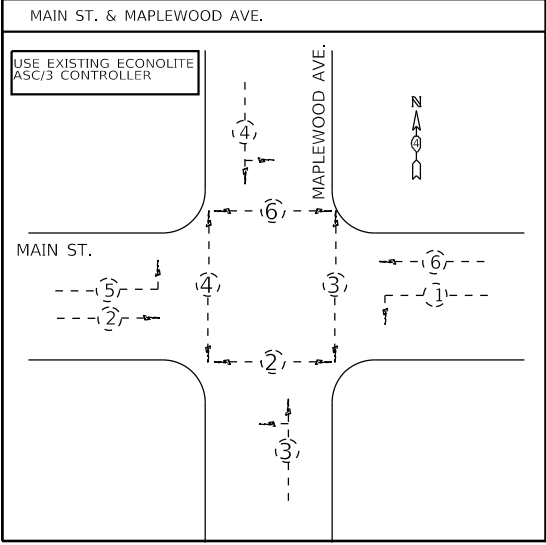
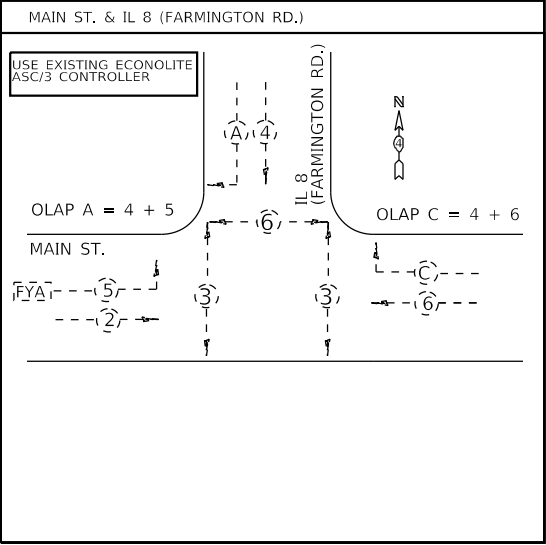
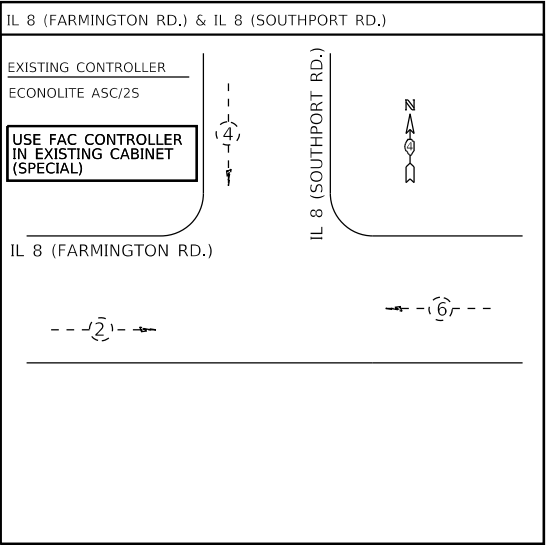
FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

SCHEDULE OF QUANTITIES						
ITEM DESCRIPTION	QTY.	MAIN ST. & IL 8 (FARMINGTON RD.)	MAIN ST. & MAPLEWOOD AVE.	MAIN ST. & BOURLAND AVE.	MAIN ST. & SHERIDAN RD.	MAIN ST.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0		1.0	1.0	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0		1.0	1.0	
ETHERNET SWITCH	EACH	1.0	1.0			
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT					3300.0

TRAFFIC SIGNAL LEGEND			
	EX. TRAFFIC SIGNAL CONTROLLER		
	EX. MULTI-MODE FIBER		
	EX. TWISTED-PAIR INTERCONNECT		
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET		
	PROP. SINGLE-MODE FIBER		

NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IMPROVEMENTS ALONG MAIN ST. FROM IL 8 (FARMINGTON RD.) TO SHERIDAN RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	66
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -			CONTRACT NO. 68E20				
	PLOT DATE = \$DATES\$	DATE -	REVISED -			SCALE:		STA.	TO STA.	ILLINOIS FED. AID PROJECT



NOT TO SCALE

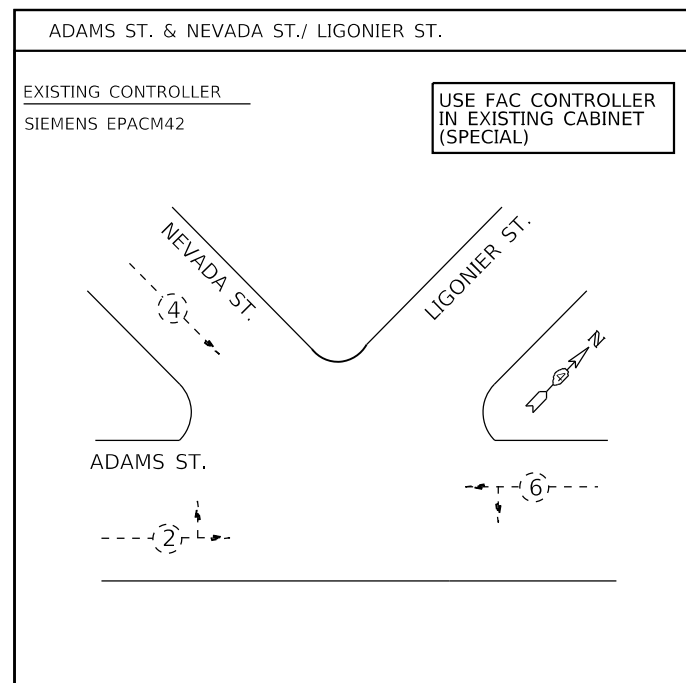
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		DRAWN -	REVISED -				VAR.	D4 ITS 2018	PEORIA	87	67
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -								
	PLOT DATE = \$DATES	DATE -	REVISED -								
					SCALE:		STA.	TO STA.	CONTRACT NO. 68E20		
							ILLINOIS	FED. AID PROJECT			



Schedule of Quantities				
Item Description	Qty.	Adams St. & Ligonier St./ Nevada St.	Adams St. & Griswold St.	Adams St. & Washington St./ Krause Ave.
Full-actuated controller in existing cabinet (Special)	Each	1.0	1.0	1.0
Fiber optic Ethernet drop and repeat switch	Each	1.0	1.0	
Ethernet manage switch	Each			1.0
Ethernet switch	Each			1.0

Bill of Materials		
Item Description	Unit	Quantity
Full-actuated controller in existing cabinet (Special)	Each	3.0
Fiber optic Ethernet drop and repeat switch	Each	2.0
Ethernet manage switch	Each	1.0
Ethernet switch	Each	1.0

Traffic Signal Legend	
	EX. Multi-mode Fiber
	EX. Multi-mode Fiber
	PROP. Traffic signal controller in ex. cabinet





TRAFFIC SIGNAL LEGEND

- EX. TWISTED-PAIR INTERCONNECT
- ◼ PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

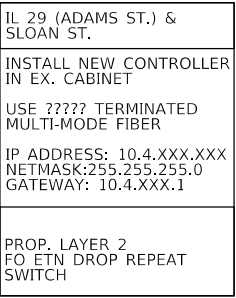
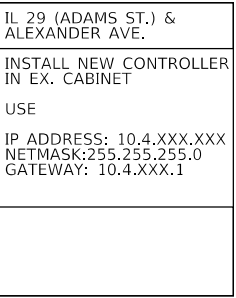
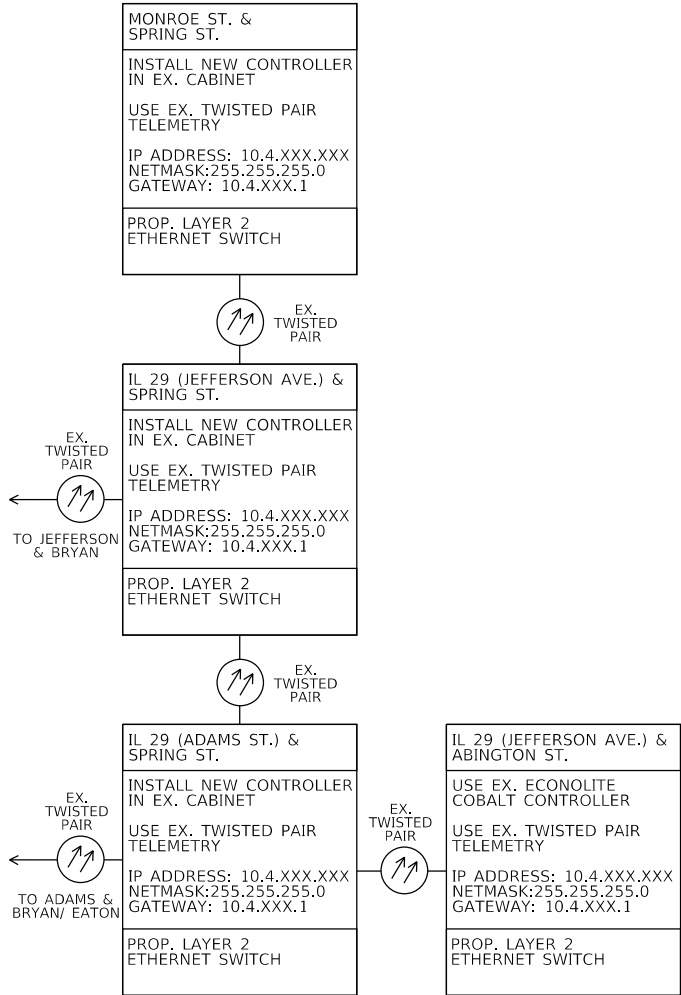
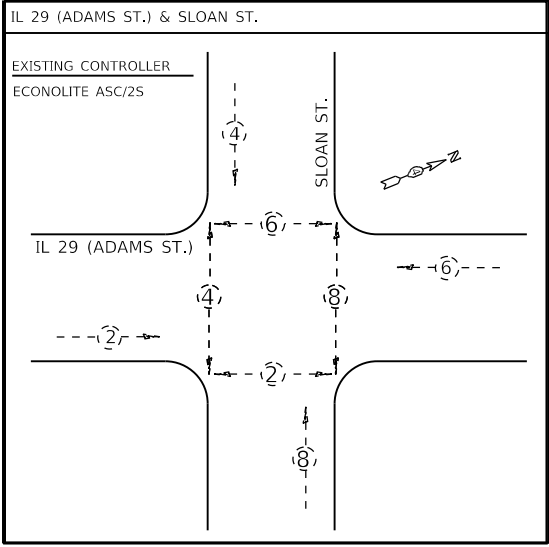
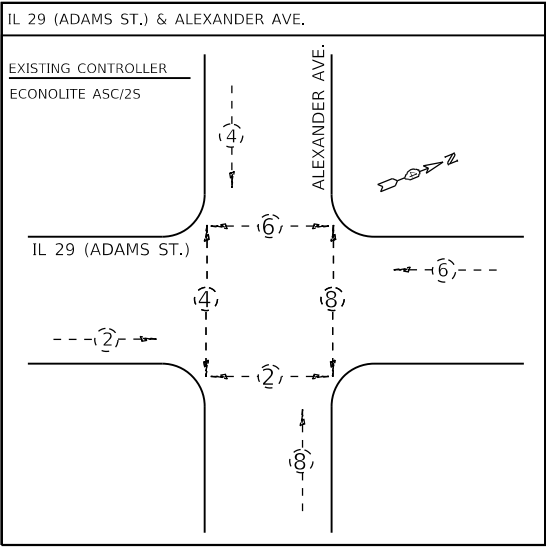
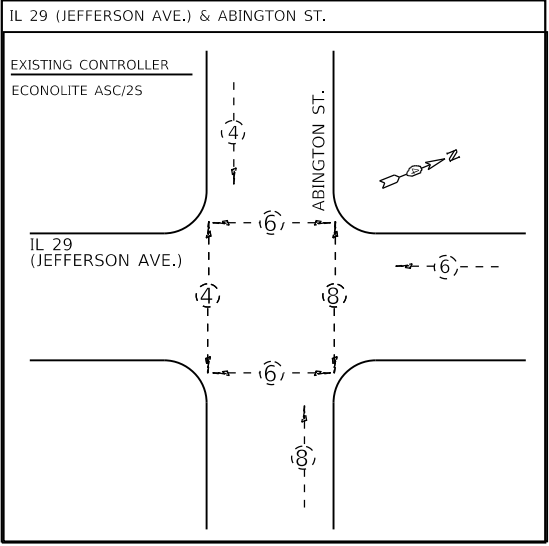
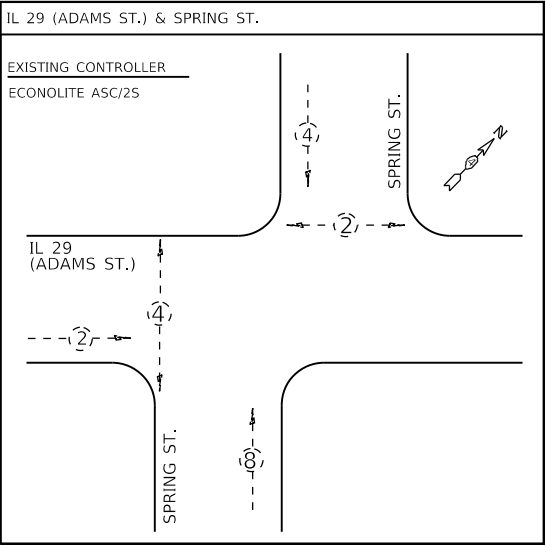
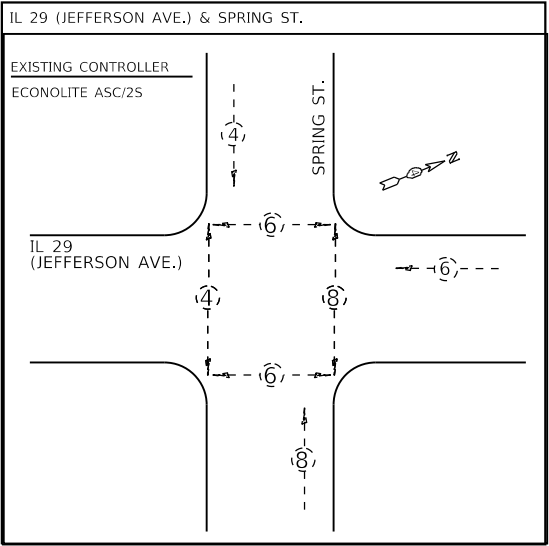
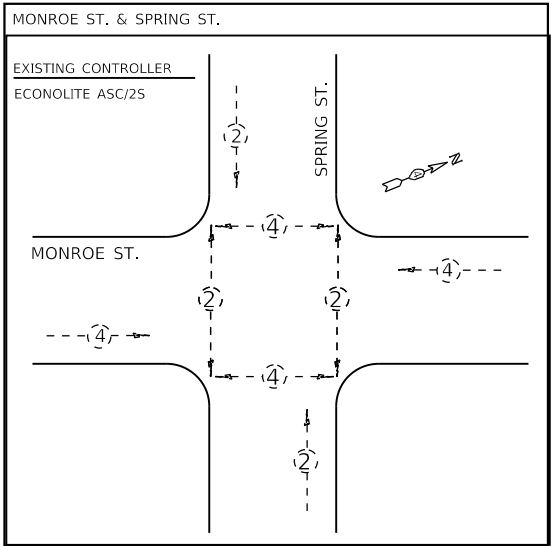
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	QTY.	MONROE ST. & SPRING ST.	IL 29 (JEFFERSON ST.) & SPRING ST.	IL 29 (JEFFERSON ST.) & ABINGTON ST.	IL 29 (ADAMS ST.) & SPRING ST.	IL 29 (ADAMS ST.) & ALEXANDER AVE.	IL 29 (ADAMS ST.) & SLOAN ST.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0	1.0	1.0
ETHERNET SWITCH	EACH	1.0	1.0	1.0	1.0	1.0	1.0

BILL OF MATERIALS

ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	6.0
ETHERNET SWITCH	EACH	6.0

NOT TO SCALE



NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS IL 29 (ADAMS ST./JEFFERSON AVE.) FROM SPRING ST. TO SLOAN ST.	SCALE:	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALES\$	DRAWN -	REVISED -						VAR.	D4 ITS 2018	PEORIA	87	71
	PLOT DATE = \$DATES\$	CHECKED -	REVISED -						CONTRACT NO. 68E20				
	DATE -	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	4.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
ETHERNET SWITCH	EACH	3.0

SCHEDULE OF QUANTITIES					
ITEM DESCRIPTION	QTY.	NORTH ST. & MCCLURE	NORTH ST. & NEBRASKA AVE.	NORTH ST. & RICHMOND AVE.	NORTH ST. & COLUMBIA TERRACE
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH				1.0
ETHERNET SWITCH	EACH	1.0	1.0	1.0	

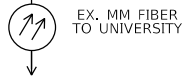
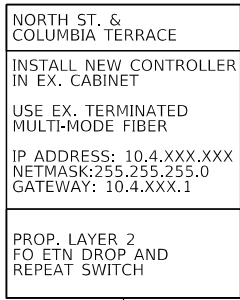
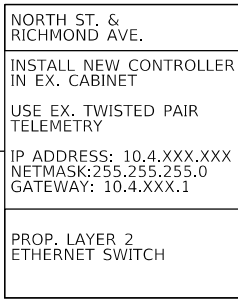
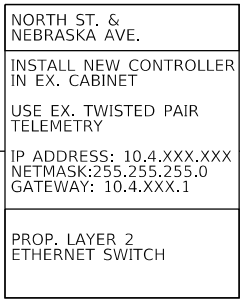
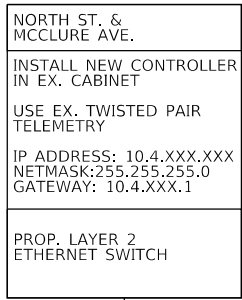
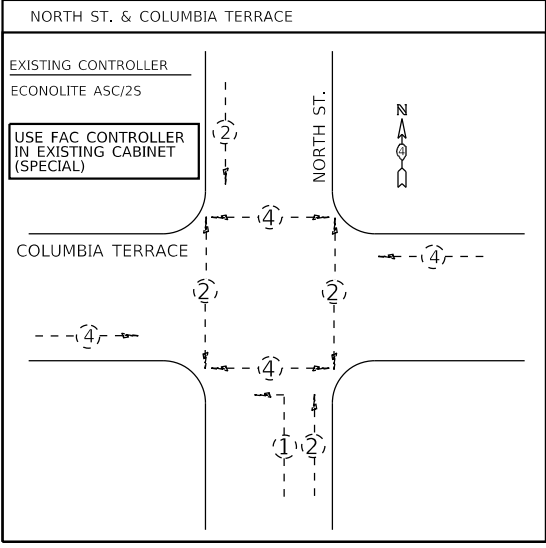
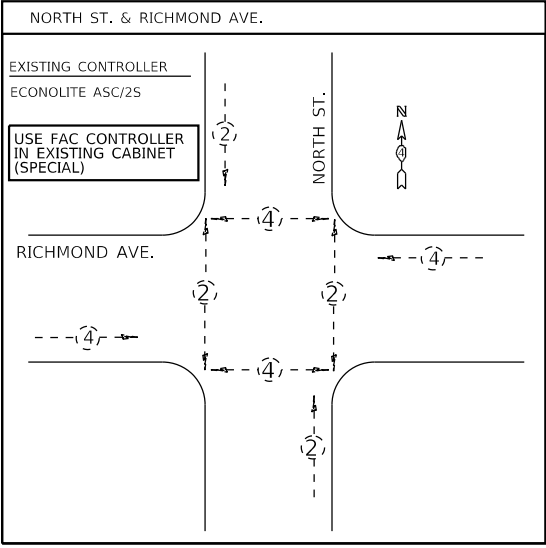
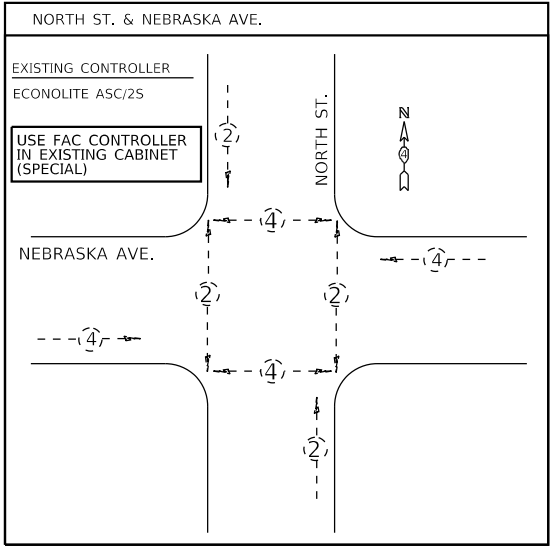
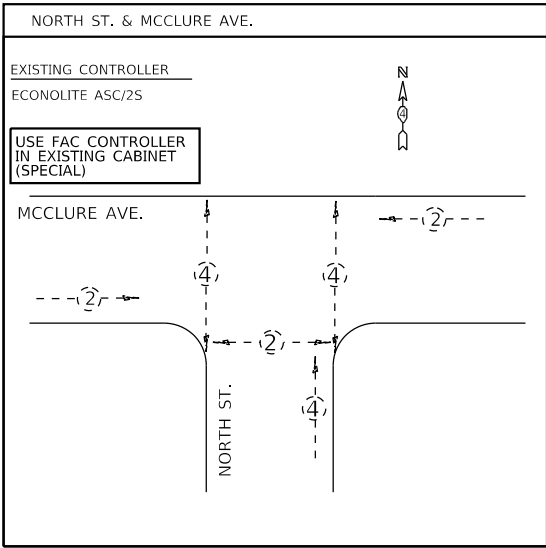
TRAFFIC SIGNAL LEGEND

EX. MULTI-MODE FIBER

EX. TWISTED-PAIR INTERCONNECT

PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

NOT TO SCALE



NOT TO SCALE

FILE NAME = \$FILEL\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS NORTH ST.FROM MCCLURE AVE.TO COLUMBIA TERRACE					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		VAR.	D4 ITS 2018	PEORIA		87	73				
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	PLOT DATE = \$DATES\$	DATE -	REVISED -				ILLINOIS FED. AID PROJECT							
					SCALE:		STA.	TO STA.						



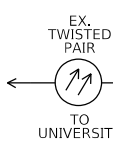
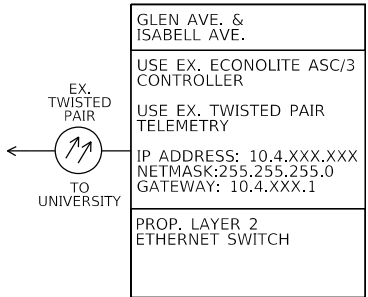
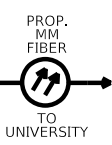
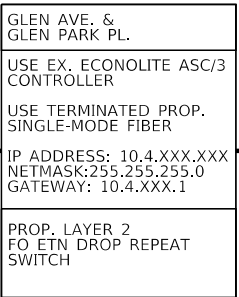
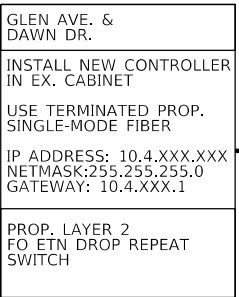
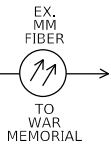
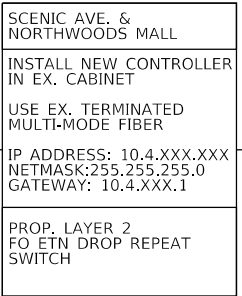
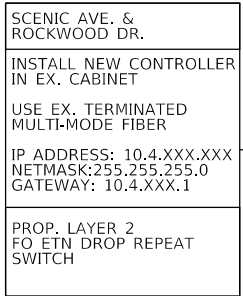
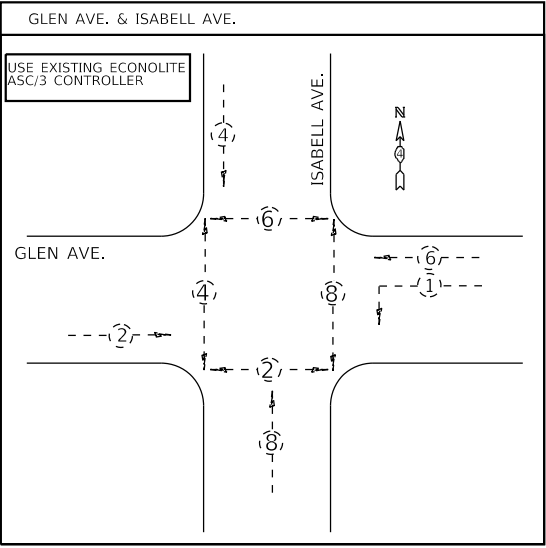
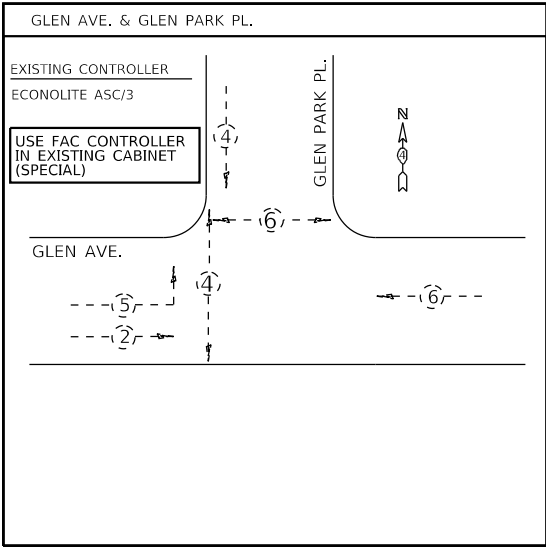
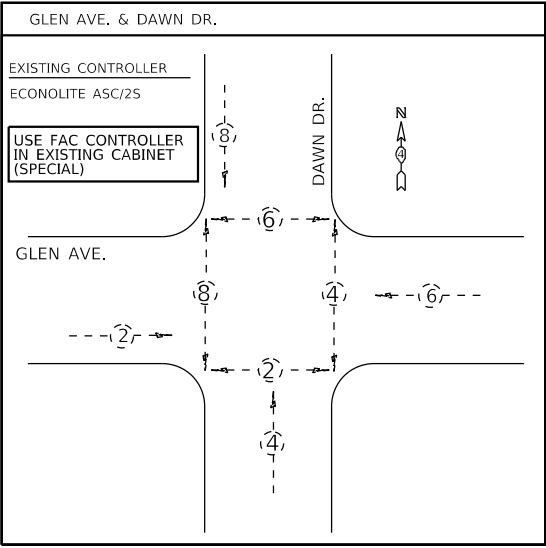
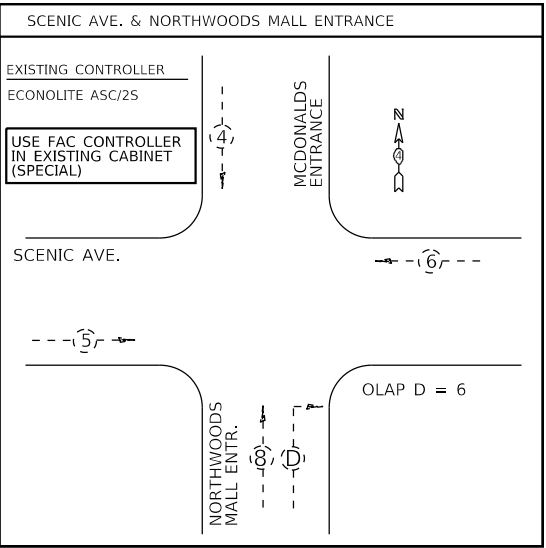
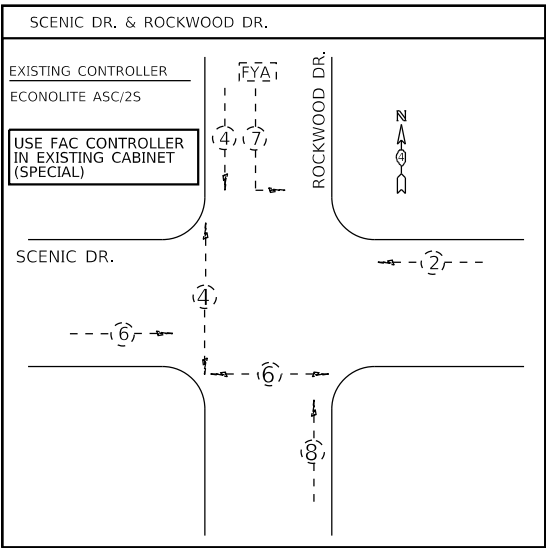
SEE SHEET 86 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG GLEN AVE. FROM UNIVERSITY ST. TO DAWN DR.

FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

TRAFFIC SIGNAL LEGEND	
---	EX. MULTI-MODE FIBER
.....	EX. TWISTED-PAIR INTERCONNECT
⬮	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
—	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

SCHEDULE OF QUANTITIES						
ITEM DESCRIPTION	QTY.	SCENIC AVE. & ROCKWOOD DR.	SCENIC AVE. & NORTHWOODS MALL ENTRANCE	GLEN AVE. & DAWN ST.	GLEN AVE. & GLEN PARK PL.	GLEN AVE. & ISABELL AVE.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0	1.0	1.0	1.0	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0	1.0	
ETHERNET SWITCH	EACH					1.0

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	5.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	4.0
ETHERNET SWITCH	EACH	1.0



NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS SCENIC AVE. & GLEN AVE. FROM ROCKWOOD DR. TO ISABELL AVE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	D4 ITS 2018	PEORIA	87	75
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	PLOT DATE = \$DATES	DATE -	REVISED -					ILLINOIS FED. AID PROJECT		
SCALE:					STA.	TO STA.				



SCHEDULE OF QUANTITIES				
ITEM DESCRIPTION	QTY.	WILLOW KNOLLS RD & RADNOR RD.	PIONEER PARKWAY & SOMMER ST.	PIONEER PARKWAY & HALE AVE./ PIONEER LN.
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0		
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0	1.0	1.0

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)	EACH	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	3.0

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER
	EX. MULTI-MODE FIBER
	PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

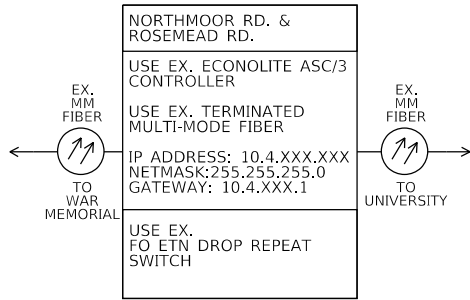
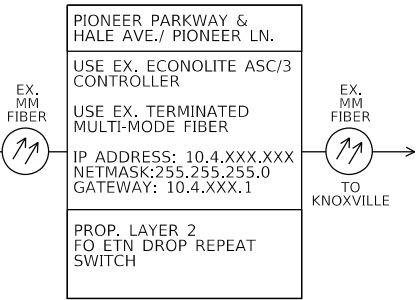
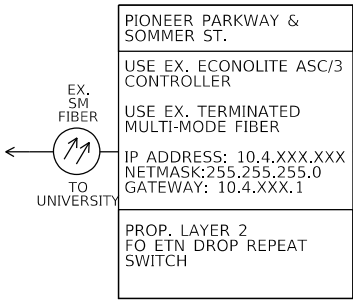
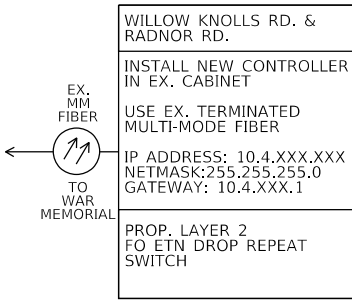
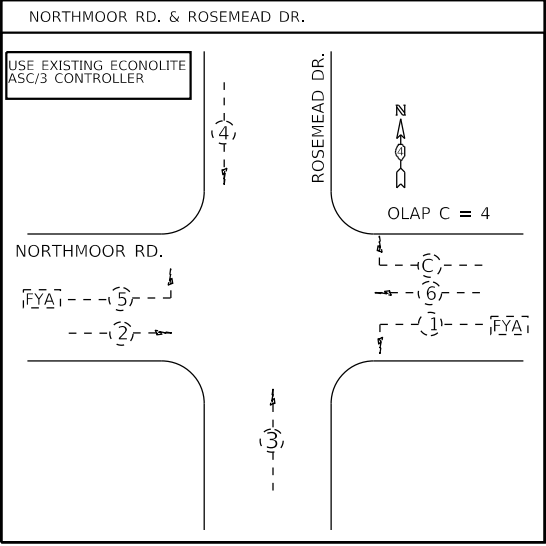
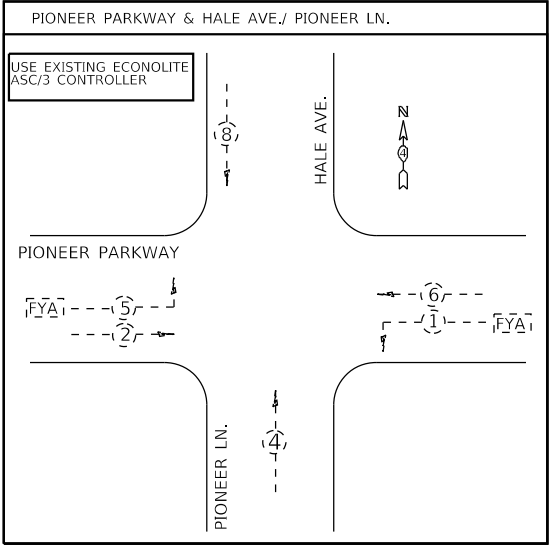
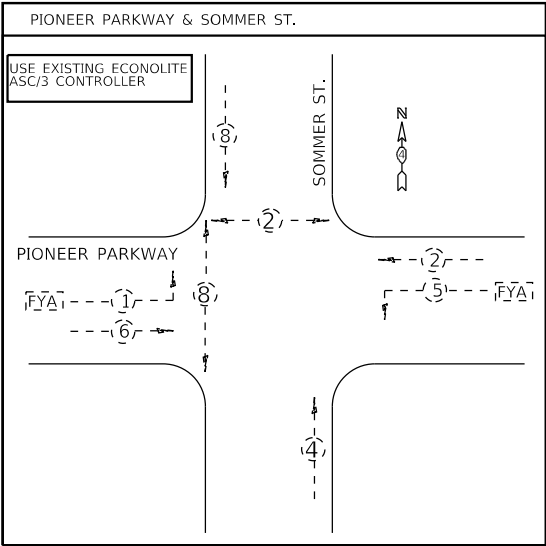
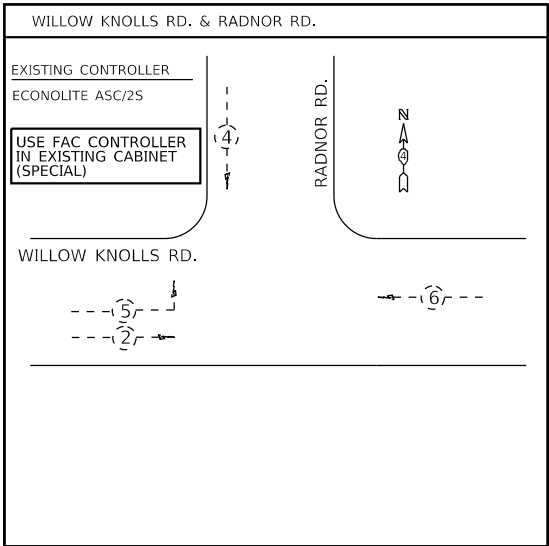
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		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = \$DATES\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED IMPROVEMENTS AT VARIOUS INTERSECTIONS ON
WILLOW KNOLLS RD., PIONEER PARKWAY, & NORTHMOOR RD.

SCALE: STA. TO STA.

NOT TO SCALE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		VAR.	D4 ITS 2018	PEORIA	87	76
		CONTRACT NO. 68E20				
		ILLINOIS FED. AID PROJECT				



NOT TO SCALE

FILE NAME = \$FILEL\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PHASE AND COMMUNICATION DIAGRAMS FOR VARIOUS INTERSECTIONS ON WILLOW KNOLLS, PIONEER PKWY, & NORTHMOOR RD.		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				VAR.	D4 ITS 2018	PEORIA	87	77
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -				CONTRACT NO. 68E20				
	PLOT DATE = \$DATE\$	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
		SCALE:		STA.		TO STA.					

FIBER OPTIC CABLE TERMINATION NOTES (SINGLE MODE FIBER OPTIC CABLE)

1. THE PROPOSED FIBER OPTIC CABLE SHALL BE TERMINATED AS SHOWN ON THE FIBER OPTIC LINE/ TERMINATION DIAGRAM.
2. ALL CABLE SPLICES AND TERMINATIONS SHALL BE FUSION SPLICED.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR FIBER OPTIC CABLE TERMINATION, INCLUDING, BUT NOT LIMITED TO, BREAKOUT KITS, FANOUT KITS, ENCLOSURES, WEATHERPROOF SPLICE BOOTS, SPLICE SLEEVES, CONNECTORS, ETC.
4. ALL FIBER CONNECTORS SHALL BE FUSION SPLICED UTILIZING PRE-FORMED CABLES WITH CONNECTORS THAT ARE FUSION SPLICED TO THE PROPOSED FIBER.
5. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED FIBER OPTIC CABLE. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.
6. ALL TERMINATED FIBERS SHALL BE Laterally SPLICED INSIDE COMMUNICATION VAULTS AND HANDHOLES.
7. ALL UNUSED FIBERS AND BUFFER TUBES SHALL REMAIN INTACT FOR FUTURE USE.

CCTV DOME CAMERA, IP BASED - QTY. 5		
INTERSECTION	LOCATION	CABLING REQUIRED
STERLING AVE. & FORREST HILL AVE.	SOUTHEAST QUADRANT ON MAST ARM FOR EASTBOUND FORREST HILL AVE.	118.5 FT. CAT 5E CABLE
STERLING AVE. & SCENIC AVE.	NORTHWEST QUADRANT ON MAST ARM FOR WESTBOUND SCENIC AVE.	72.0 FT. CAT 5E CABLE
UNIVERSITY ST. & GLEN AVE.	SOUTHEAST QUADRANT ON MAST ARM FOR EASTBOUND GLEN AVE.	72.0 FT. CAT 5E CABLE
UNIVERSITY ST. & NORTHMOOR RD.	SOUTHWEST QUADRANT ON MAST ARM FOR SOUTHBOUND UNIVERSITY ST.	104.0 FT. CAT 5E CABLE
UNIVERSITY ST. & PIONEER PARKWAY	SOUTHEAST QUADRANT ON MAST ARM FOR EASTBOUND PIONEER PARKWAY	104.0 FT. CAT 5E CABLE

BILL OF MATERIALS		
DESCRIPTION	UNIT	QTY.
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	5.0
CAT 5 ETHERNET CABLE	FOOT	470.5



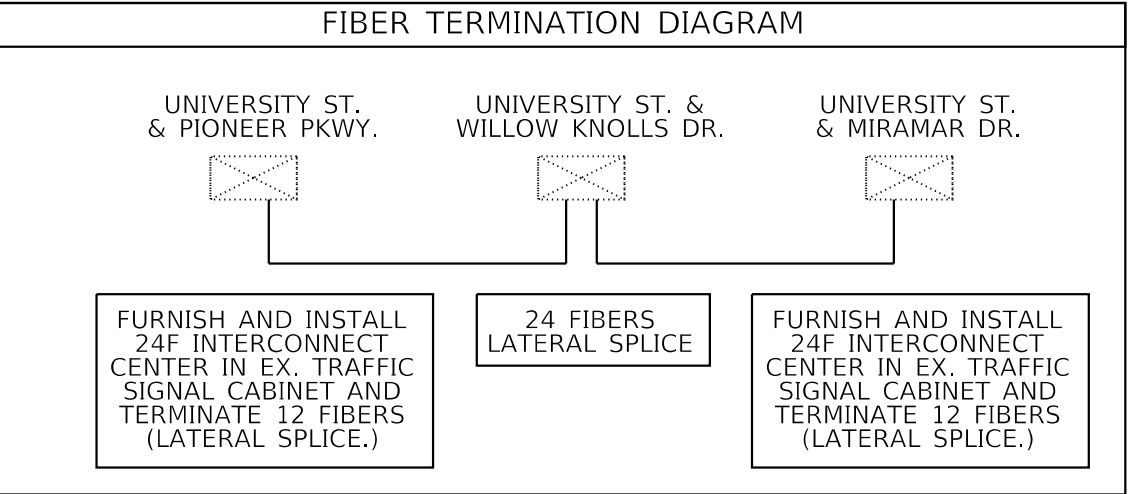
THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A CONCRETE HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL).

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A COMMUNICATIONS VAULT. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR COMMUNICATIONS VAULT.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY Laterally Splicing INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT.
DOUBLE HANDHOLE: 30.0 FT.
COMM. VAULT: 100.0 FT.
JUNCTION BOX: 10.0 FT.
ITS OR SIGNAL CABINET: 10.0 FT.

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER
	EX. HANDHOLE
	EX. DOUBLE HANDHOLE
	EX. MULTI-MODE FIBER
	PROP. HANDHOLE (PCC), SPECIAL
	PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT)
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)	EACH	4.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	4531.0
COMMUNICATIONS VAULT	EACH	2.0



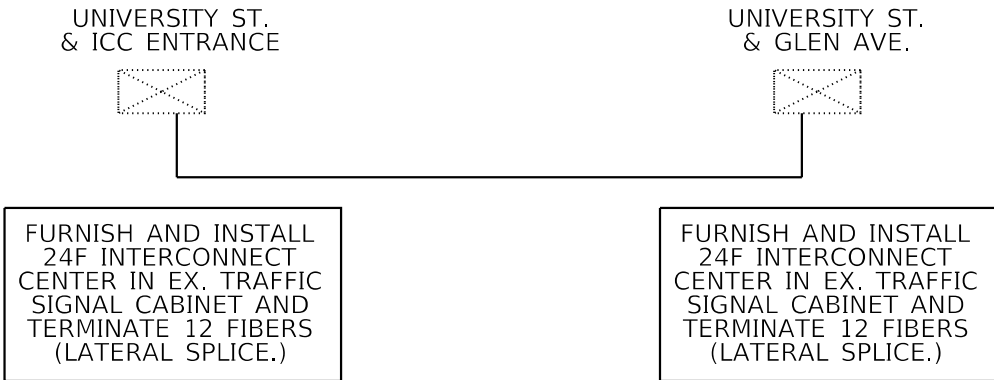
THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A COMMUNICATIONS VAULT. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR COMMUNICATIONS VAULT.

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY LATERALLY SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.

FIBER TERMINATION DIAGRAM



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	2776.0
COMMUNICATIONS VAULT	EACH	1.0

FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT.
DOUBLE HANDHOLE: 30.0 FT.
COMM. VAULT: 100.0 FT.
JUNCTION BOX: 10.0 FT.
ITS OR SIGNAL CABINET: 10.0 FT.

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER
	EX. HANDHOLE
	EX. DOUBLE HANDHOLE
	EX. MULTI-MODE FIBER
	PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT)
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

NOT TO SCALE

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = \$SCALES\$	CHECKED -	REVISED -
	PLOT DATE = \$DATES\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION UNIVERSITY ST. FROM ICC ENTRANCE TO GLEN AVE.		
SCALE:	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 ITS 2018	PEORIA	87	80
CONTRACT NO. 68E20				
ILLINOIS FED. AID PROJECT				

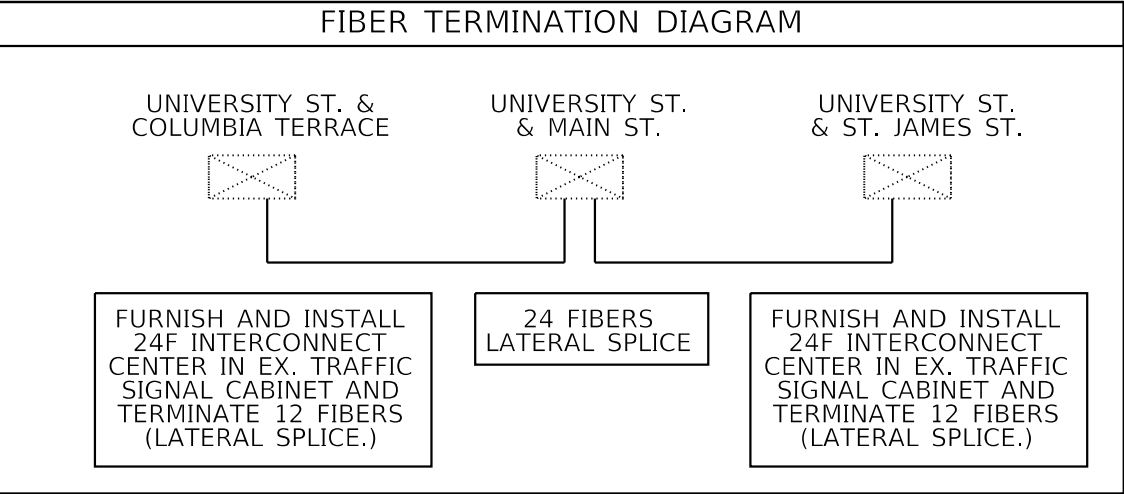


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A COMMUNICATIONS VAULT. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR COMMUNICATIONS VAULT.

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY Laterally SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT.
DOUBLE HANDHOLE: 30.0 FT.
COMM. VAULT: 100.0 FT.
JUNCTION BOX: 10.0 FT.
ITS OR SIGNAL CABINET: 10.0 FT.

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	2512.0
COMMUNICATIONS VAULT	EACH	2.0

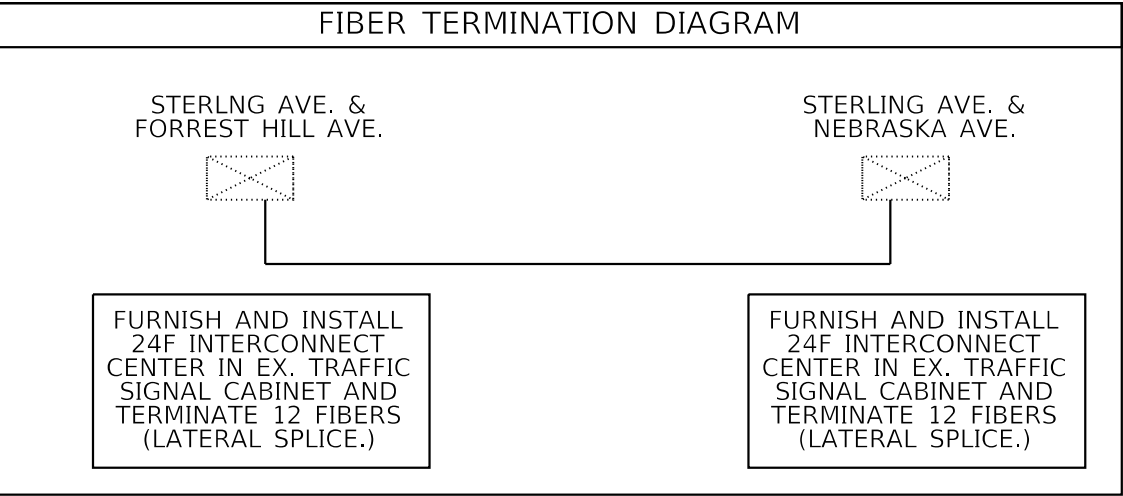
TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER
	EX. HANDHOLE
	EX. DOUBLE HANDHOLE
	EX. MULTI-MODE FIBER
	PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT)
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT



THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY Laterally splicing into the proposed fiber optic cable. All unused fibers shall remain intact and continuous for future use.



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	6009.0
COMMUNICATIONS VAULT	EACH	3.0

FIBER OPTIC CABLE SLACK

HANDHOLE: 10.0 FT.
DOUBLE HANDHOLE: 30.0 FT.
COMM. VAULT: 100.0 FT.
JUNCTION BOX: 10.0 FT.
ITS OR SIGNAL CABINET: 10.0 FT.

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER
	EX. HANDHOLE
	EX. DOUBLE HANDHOLE
	EX. MULTI-MODE FIBER
	PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT)
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

NOT TO SCALE

FILE NAME = \$FILES	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED FIBER OPTIC CABLE INSTALLATION STERLING AVE. FROM FORREST HILL AVE. TO NEBRASKA AVE.				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -										
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -		VAR.	D4 ITS 2018	PEORIA	87	82				
	PLOT DATE = \$DATES	DATE -	REVISED -		CONTRACT NO. 68E20								
SCALE:				STA.	TO STA.		ILLINOIS FED. AID PROJECT						

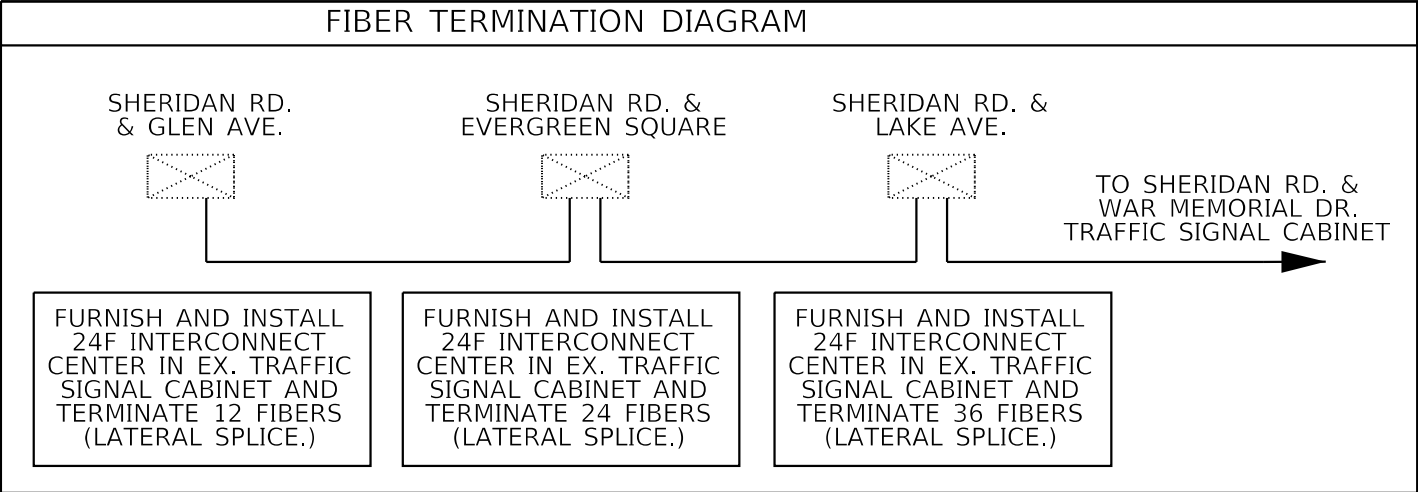


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A CONCRETE HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL).

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY Laterally Splicing INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.

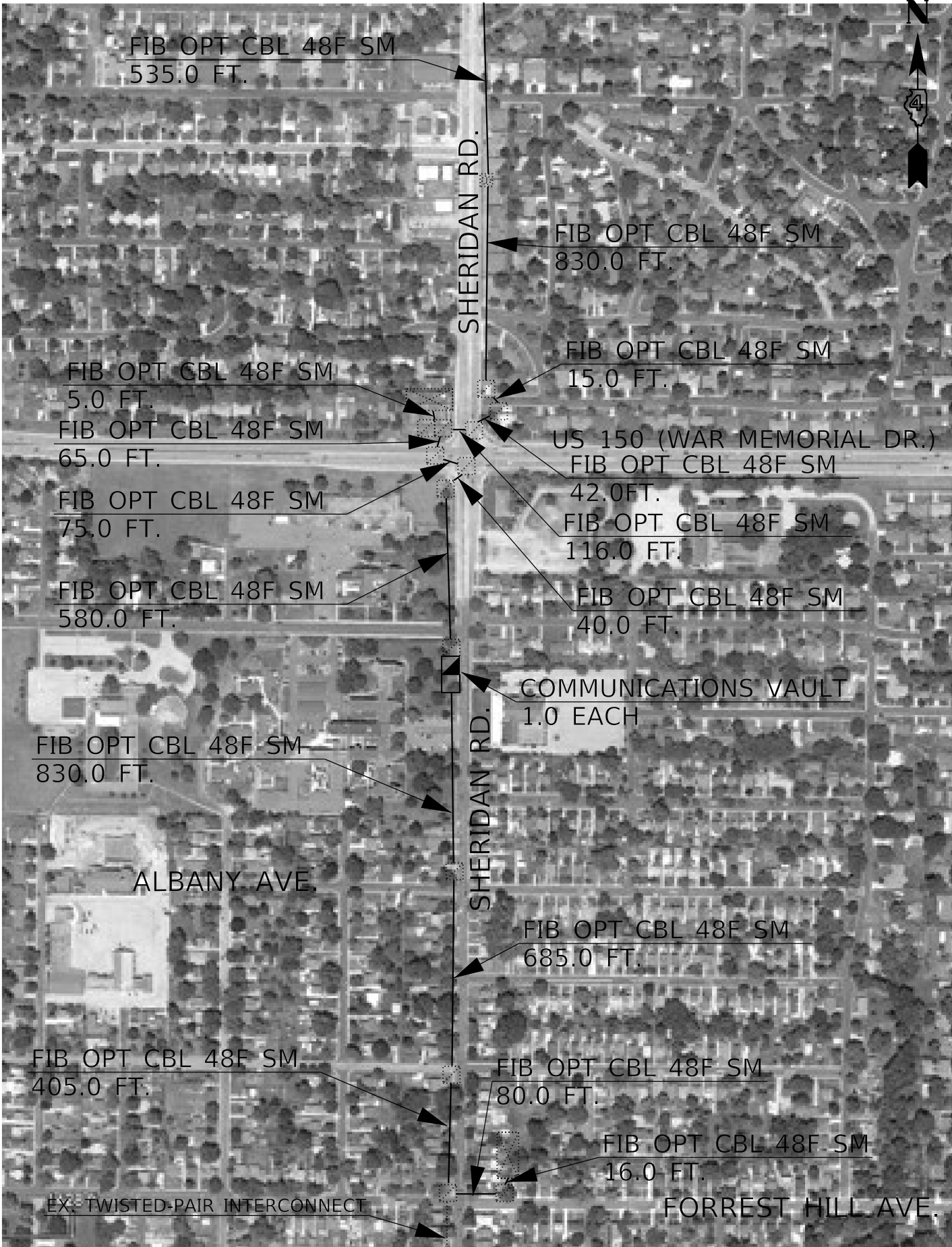


FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)	EACH	2.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5222.0
COMMUNICATIONS VAULT	EACH	3.0

TRAFFIC SIGNAL LEGEND	
	EX. TRAFFIC SIGNAL CONTROLLER
	EX. HANDHOLE
	EX. DOUBLE HANDHOLE
	EX. JUNCTION BOX
	EX. TWISTED-PAIR INTERCONNECT
	PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT)
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT

NOT TO SCALE

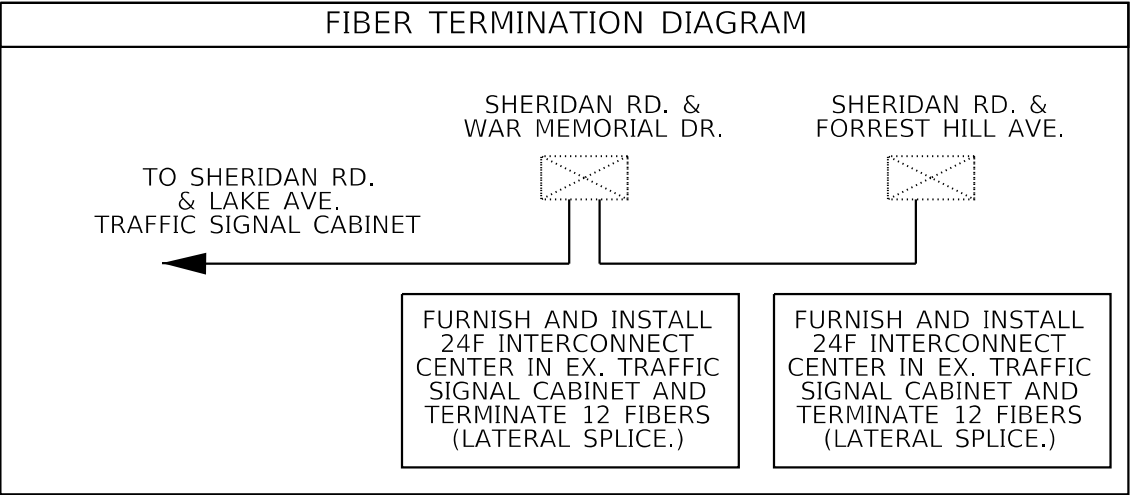


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A CONCRETE HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL).

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY Laterally splicing into the proposed fiber optic cable. All unused fibers shall remain intact and continuous for future use.



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	4630.0
COMMUNICATIONS VAULT	EACH	1.0

FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

TRAFFIC SIGNAL LEGEND				
	EX. TRAFFIC SIGNAL CONTROLLER			
	EX. HANDHOLE			
	EX. DOUBLE HANDHOLE			
	EX. 2" CONDUIT (TWISTED PAIR INTERCONNECT)			
	PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT)			
	PROP. SINGLE-MODE FIBER IN EX. CONDUIT			
NOT TO SCALE				

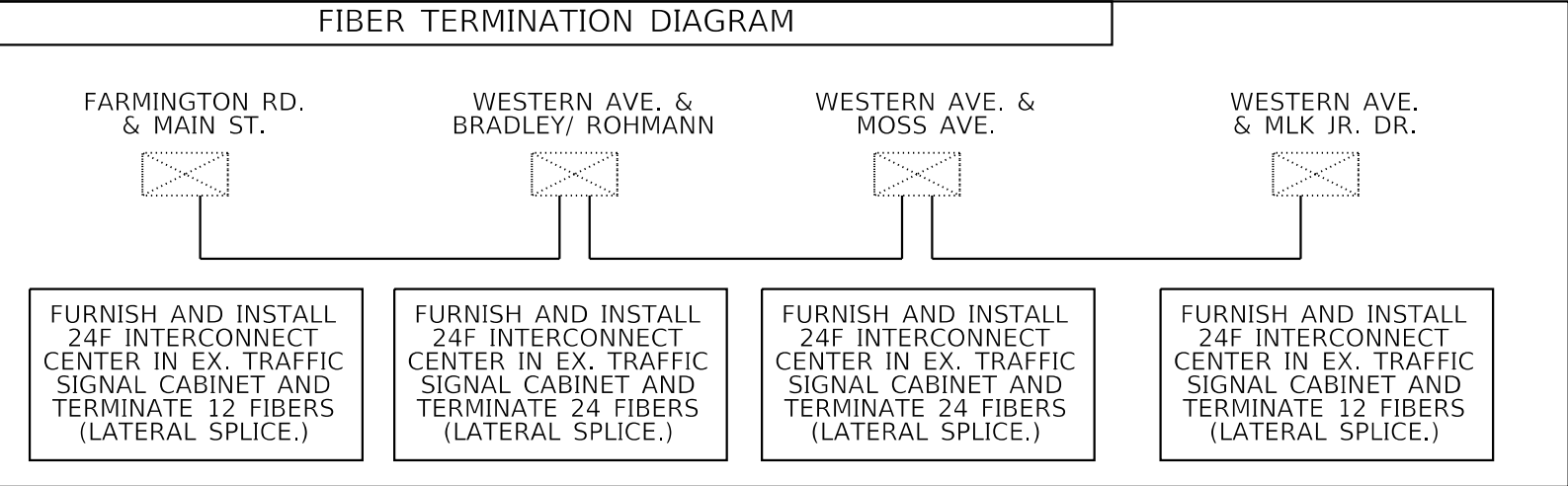


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A CONCRETE HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL).

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY LATERALLY SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	68.0
SIDEWALK REMOVAL	SQ FT	80.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1545.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	2.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	6225.0
COMMUNICATIONS VAULT	EACH	4.0

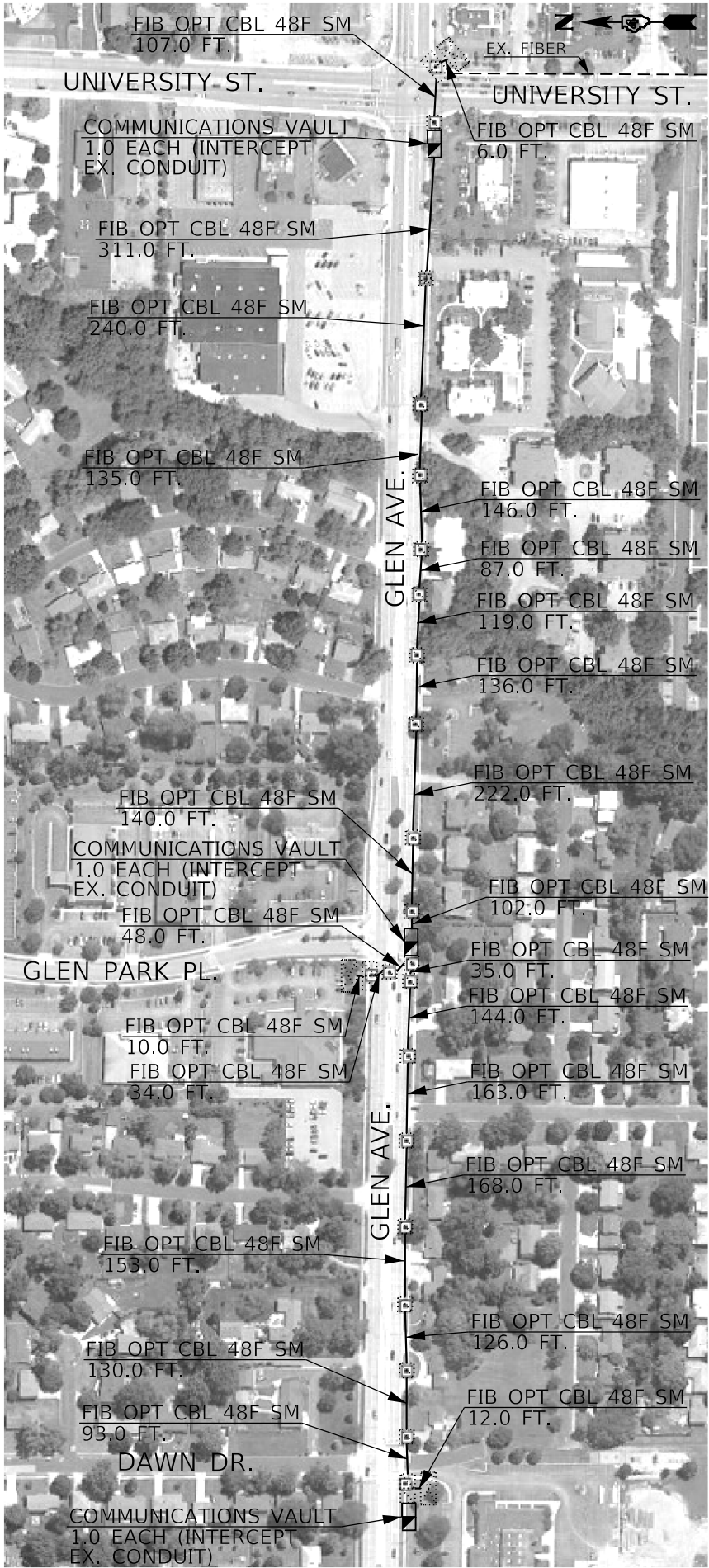
FIBER OPTIC CABLE SLACK

HANDHOLE: 10.0 FT.
DOUBLE HANDHOLE: 30.0 FT.
COMM. VAULT: 100.0 FT.
JUNCTION BOX: 10.0 FT.
ITS OR SIGNAL CABINET: 10.0 FT.

TRAFFIC SIGNAL LEGEND

- EX. TRAFFIC SIGNAL CONTROLLER
- EX. HANDHOLE
- EX. DOUBLE HANDHOLE
- EX. 2" CONDUIT (TWISTED PAIR INTERCONNECT)
- PROP. HANDHOLE (PCC)
- PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT)
- PROP. SINGLE-MODE FIBER IN EX. CONDUIT
- PROP. SINGLE-MODE FIBER IN PROP. 2" CONDUIT

NOT TO SCALE

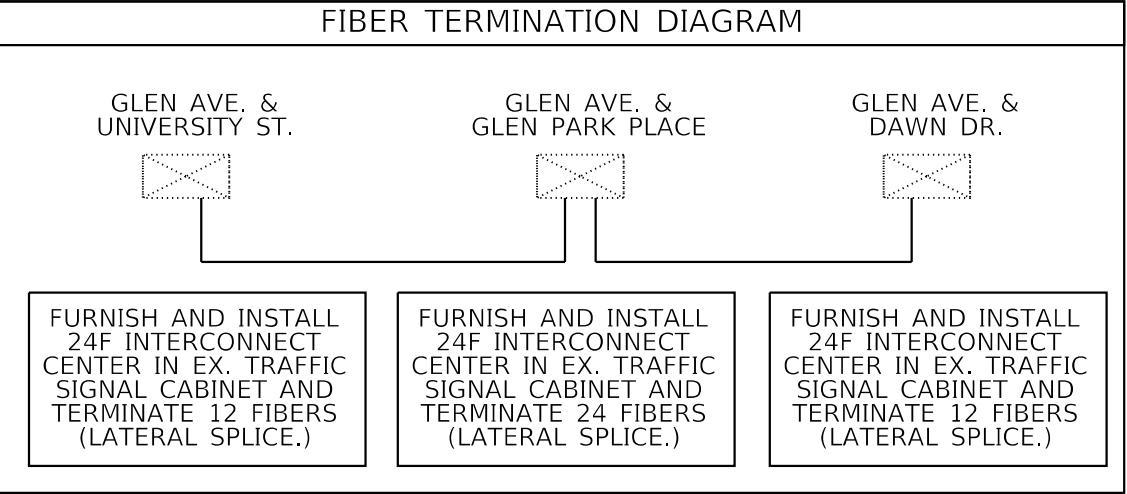


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A CONCRETE HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL).

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY LATERALLY SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.

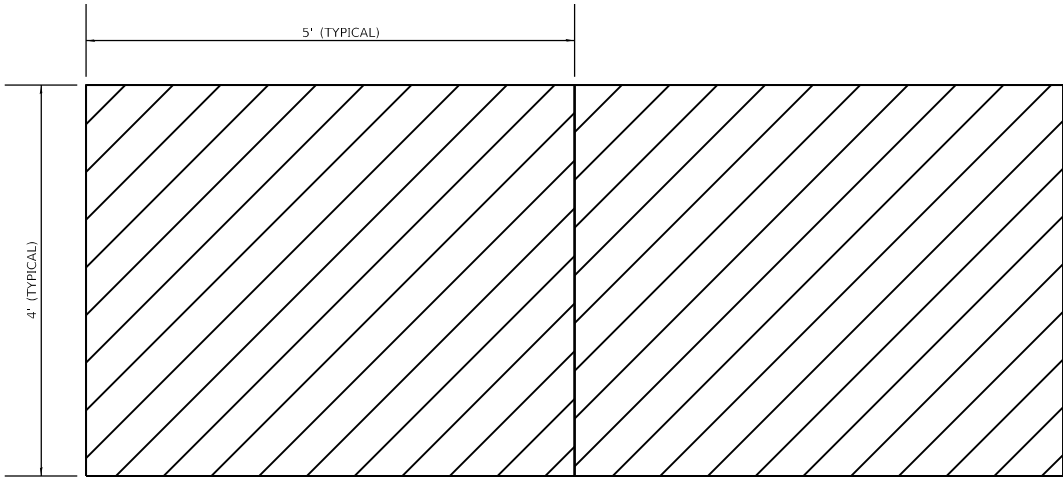


BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	3603.0
COMMUNICATIONS VAULT	EACH	3.0

FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT. DOUBLE HANDHOLE: 30.0 FT. COMM. VAULT: 100.0 FT. JUNCTION BOX: 10.0 FT. ITS OR SIGNAL CABINET: 10.0 FT.

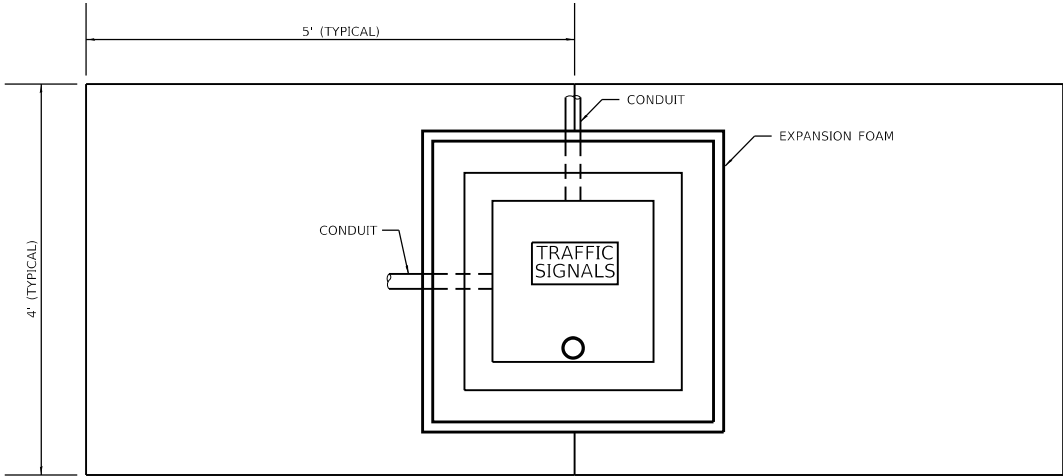
TRAFFIC SIGNAL LEGEND					
	EX. TRAFFIC SIGNAL CONTROLLER		EX. HANDHOLE		EX. DOUBLE HANDHOLE
	EX. JUNCTION BOX		PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT)		PROP. SINGLE-MODE FIBER IN EX. CONDUIT

SIDEWALK REMOVAL FOR PROPOSED HANDHOLE/ COMMUNICATIONS VAULT



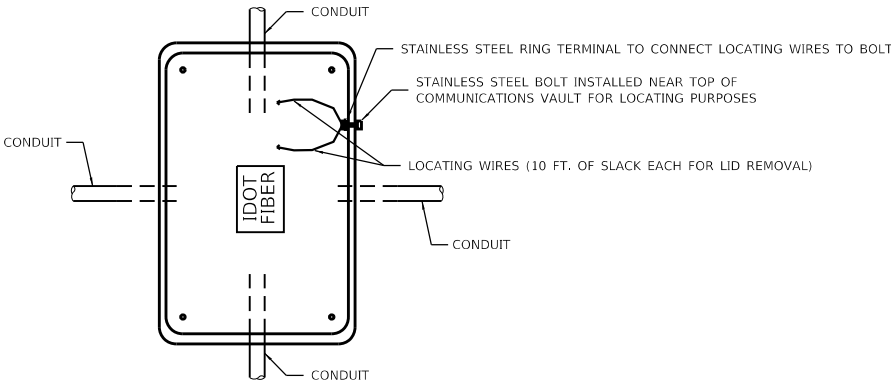
- NOTES:
1. THE CONTRACTOR SHALL REMOVE TWO (2) PANELS OF SIDEWALK (40 SQ FT) TO ACCOMODATE PROPOSED HANDHOLE/ COMMUNICATIONS VAULT AND CONDUIT INSTALLATION.

PROPOSED HANDHOLE INSTALLATION



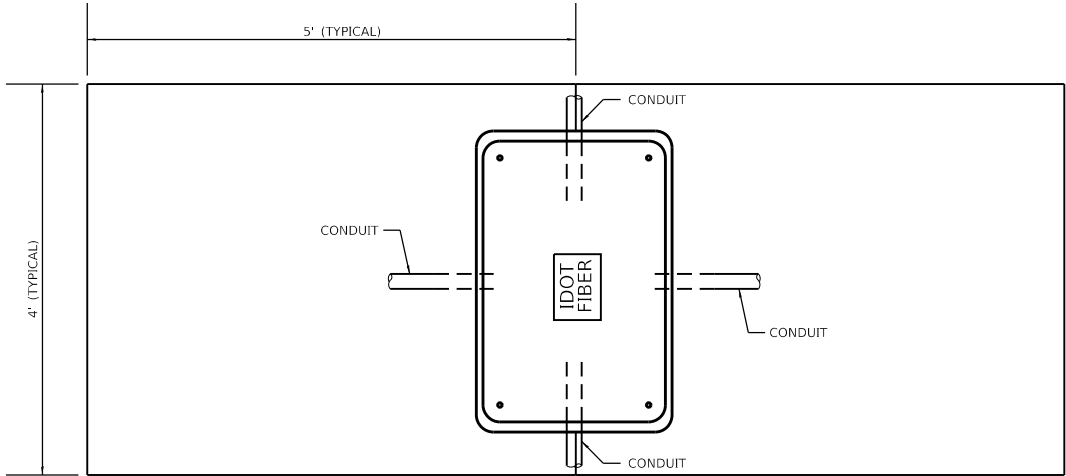
- NOTES:
1. HANDHOLE CANNOT BE INSTALLED MONOLITHICALLY WITHIN SIDEWALK.
 2. HANDHOLE LOCATIONS SHALL BE FIELD VERIFIED WITH THE ENGINEER OF TRAFFIC PRIOR TO INSTALLATION.
 3. THE CONTRACTOR SHALL BACKFILL WITH CONTROLLED LOW STRENGTH MATERIAL TO PREVENT SETTLEMENT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED HANDHOLE.
 4. THE CONTRACTOR SHALL REPLACE TWO PANELS OF PCC SIDEWALK (33.75 SQ FT.)

PROPOSED COMMUNICATIONS VAULT INSTALLATION (NON-SIDEWALK)



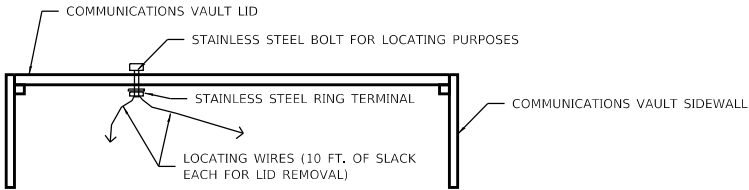
- NOTES:
1. COMMUNICATIONS VAULT LOCATIONS SHALL BE FIELD VERIFIED WITH THE ENGINEER OF TRAFFIC PRIOR TO INSTALLATION.
 2. LOCATING WIRES MUST BE ACCESSIBLE FROM OUTSIDE COMMUNICATIONS VAULT. THE CONTRACTOR SHALL DRILL A HOLE THROUGH THE COMMUNICATIONS VAULT SIDEWALL 1" BELOW THE LID AND INSTALL A 3/8" STAINLESS STEEL BOLT WITH LOCK NUT THROUGH THE HOLE. THE CONTRACTOR SHALL ATTACH BOTH OF THE LOCATING WIRES (10 FT. OF SLACK FOR EACH WIRE) TO THE STAINLESS STEEL BOLT TO PROVIDE EXTERNAL ACCESS TO LOCATING WIRES.

PROPOSED COMMUNICATIONS VAULT INSTALLATION (SIDEWALK)



- NOTES:
1. COMMUNICATIONS VAULT CANNOT BE INSTALLED MONOLITHICALLY WITHIN SIDEWALK.
 2. COMMUNICATIONS VAULT LOCATIONS SHALL BE FIELD VERIFIED WITH THE ENGINEER OF TRAFFIC PRIOR TO INSTALLATION.
 3. THE CONTRACTOR SHALL BACKFILL WITH CONTROLLED LOW STRENGTH MATERIAL TO PREVENT SETTLEMENT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED COMMUNICATIONS VAULT.
 4. THE CONTRACTOR SHALL REPLACE TWO PANELS OF PCC SIDEWALK (33.75 SQ FT.)

COMMUNICATIONS VAULT LID DETAIL FOR SIDEWALK LOCATIONS



- NOTES:
1. LOCATING WIRES SHALL BE ACCESSIBLE FROM OUTSIDE COMMUNICATIONS VAULT. THE CONTRACTOR SHALL DRILL A HOLE THROUGH THE COMMUNICATIONS VAULT LID AWAY FROM THE EDGES AND INSTALL A3/8" STAINLESS STEEL BOLT WITH LOCK NUT THROUGH THE HOLE. THE CONTRACTOR SHALL ATTACH BOTH OF THE LOCATING WIRES (10 FT. OF SLACK FOR EACH WIRE) TO THE STAINLESS STEEL BOLT TO PROVIDE EXTERNAL ACCESS TO LOCATING WIRES.

FILE NAME = \$FILES\$	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMUNICATIONS VAULT AND HANDHOLE INSTALLATION DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVIS	ED -				VAR.	D4 ITS 2018	PEORIA	87	87
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -		CONTRACT NO. 68E20						
	PLOT DATE = \$DATES\$	DATE -	REVISED -		SCALE:		STA.	TO STA.	ILLINOIS	FED. AID PROJECT	