

INDEX OF SHEETS

SEE SHEET 2 FOR INDEX OF SHEETS

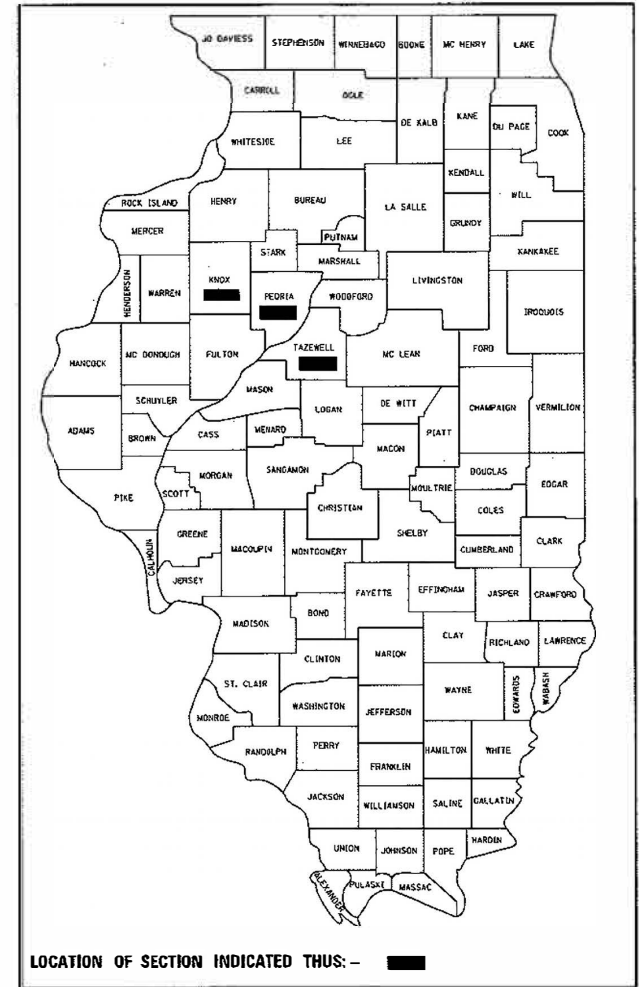
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

FAI ROUTE 74 (I-74)
SECTION D4 ITS 2017
KNOX-PEORIA COUNTIES

C-94-062-17

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	D4 ITS 2017	PEORIA-KNOX	28	1
ILLINOIS CONTRACT NO. 68D66				

D-94-033-17

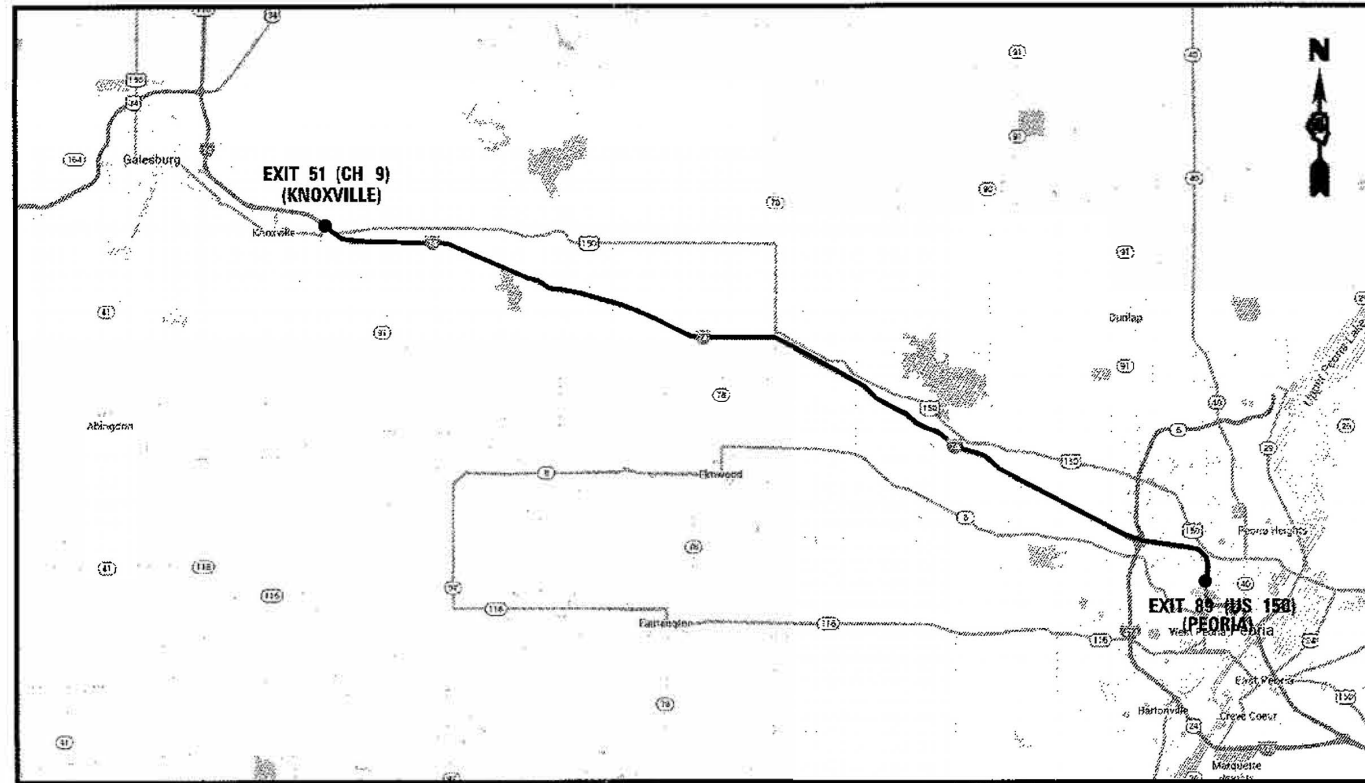


HIGHWAY STANDARDS

SEE SHEET 2 FOR A LIST OF APPLICABLE HIGHWAY STANDARDS

PROJECT DESCRIPTION

INSTALLATION OF COMMUNICATIONS DUCT, COMMUNICATIONS VAULTS, AND FIBER OPTIC CABLE ALONG I-74 FROM KNOXVILLE (EXIT 51) (EXIT 51 - IL 9) TO PEORIA (EAST OF EXIT 89 US 150 (WAR MEMORIAL DR) AND UPGRADE OF D4 ADVANCED TRAFFIC MANAGEMENT SOFTWARE



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

PROJECT ENGINEER: ERIC HOWALD (309) 671-4481
PROJECT MANAGER: BEN TELLEFSON (309) 671-4477
CATALOG NO. 35486-00D
CONTRACT NO. 68D66

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 3/31 2017
K.A. [Signature]
REGION THREE ENGINEER

May 12 2017
Maureen M. Addis, PE.
ENGINEER OF DESIGN AND ENVIRONMENT

May 12 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

COMMITMENTS

THERE ARE NO COMMITMENTS MADE IN CONJUNCTION WITH THIS PROJECT.







INDEX OF SHEETS	
PAGE	DESCRIPTION
1	COVER SHEET
2	COMMITMENTS, INDEX OF SHEETS, AND HIGHWAY STANDARDS
3	CONSTRUCTION NOTES
4 - 5	SUMMARY OF QUANTITIES
6 - 7	SCHEDULE OF QUANTITIES
8	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-74 @ CH 9 (HENDERSON ROAD) - KNOXVILLE (EXIT 51)
9	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-74 @ US 150/IL 97 - (EXIT 54)
10	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-74 @ EB AND WB SPOON RIVER REST AREAS - (EXIT 62)
11	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-74 @ IL 78 / BELL SCHOOL ROAD (EXIT 71)
12	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-74 @ BRIMFIELD ROAD RWIS SITE
13	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-74 @ MAHER ROAD -BRIMFIELD (EXIT 75)
14	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-74 @ KICKAPOO/EDWARDS BLACKTOP - (EXIT 82)
15	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-74 @ HEINZ LANE DMS SITE
16	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-74 @ I-474 / IL 6 INTERCHANGE (EXIT 87)
17	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-74 @ GALE AVENUE (EXIT 90)
18 - 22	PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION - I-474 WB FROM BARTONVILLE (EXIT 5) TO IL 116 (AIRPORT ROAD) (EXIT 3)
23	PROPOSED CCTV CAMERA INSTALLATION - IL 40 (KNOXVILLE AVENUE) @ MOSSVILLE/WILHELM - PEORIA
24	PROPOSED CCTV CAMERA INSTALLATION - IL 40 (KNOXVILLE AVENUE) @ NORTHMOOR - PEORIA
25	PROPOSED CCTV CAMERA INSTALLATION - US 150 (WAR MEMORIAL DRIVE) @ WISCONSIN/BOULEVARD - PEORIA
26	FIBER OPTIC CABLE TERMINATION NOTES
27	FIBER OPTIC CABLE TERMINATION DIAGRAM
28	CLOSED CIRCUIT TELEVISION CABINET DETAIL

HIGHWAY STANDARDS	
STANDARD	APPLICATION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 M (15') AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 (15') AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-11	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES
830021-02	LIGHT POLE STEEL TENON TOP
838001	BREAKAWAY DEVICES
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING

CONSTRUCTION NOTES

1. EXISTING UTILITY LOCATION INFORMATION IS NOT SHOWN ON THE PLAN SHEETS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES PRIOR TO THE INSTALLATION OF ANY COMPONENTS. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO COMMENCING WORK ON THE PROJECT.
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 CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03 UNLESS SPECIFIED OTHERWISE.
5. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
6. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
7. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC CONDUIT.
8. POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS (PUSHED OR TRENCHED).
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. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
11. 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.
12. THE CONTRACTOR SHALL INSTALL A #12 (XLP-TYPE USE) TRACER WIRE ALONG WITH THE FIBER OPTIC CABLE FOR LOCATING PURPOSES. THE TRACER WIRE SHALL BE CONTINUOUS AND BE ACCESSIBLE FROM THE HANDHOLES. THE COST OF FURNISHING AND INSTALLING THE TRACER WIRE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE FIBER OPTIC CABLE IN CONDUIT PAY ITEM.
13. ALL CAMERAS SHALL BE INSTALLED AT A MINIMUM MOUNTING HEIGHT OF 43 FT.
14. 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.
15. THE COST OF INSTALLING THE PROPOSED CONDUITS INTO THE METAL LIGHT POLE FOUNDATIONS SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT PAY ITEMS.
16. THE CONTRACTOR SHALL EXCAVATE AS NEEDED TO INSTALL THE PROPOSED CONDUITS INTO THE EXISTING LIGHTING CONTROLLER CONDUITS. THE COST OF INSTALLING THE PROPOSED CONDUITS AND UNIT DUCTS INTO THE EXISTING LIGHTING CONTROLLERS SHALL BE INCLUDED IN THE COST OF THE CONDUIT.
17. THE CONTRACTOR SHALL RESTORE A DISTURBED AREAS BY GRADING AND SEEDING. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED CONDUIT.
18. THE CONTRACTOR WILL BE ALLOWED TO SUBSTITUTE CONDUIT AND ELECTRICAL CABLE IN LIEU OF THE UNIT DUCT PAY ITEMS AT NO ADDITIONAL COMPENSATION.
19. THE CONTRACTOR WILL BE ALLOWED TO SUBSTITUTE FIBER OPTIC CABLE WITH GREATER FIBER COUNTS AT NO ADDITIONAL COMPENSATION.
20. THE DEPARTMENT WILL SUPPLY SEVEN METAL LIGHT POLE FOUNDATIONS FOR INSTALLATION AT THE LOCATIONS SHOWN ON THE PLAN SHEETS. THE CONTRACTOR SHALL PICK UP THESE ITEMS FROM THE IDOT WAREHOUSE LOCATED AT 6511 W. US ROUTE 150 , EDWARDS, DELIVER THEM TO THE JOB SITE, AND INSTALL THEM IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL HARDWARE REQUIRED TO INSTALL THE PROPOSED LIGHT POLES ONTO THE STEEL FOUNDATIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE LIGHT POLE PAY ITEMS.
21. THE CONTRACTOR SHALL INSTALL CAPS OVER THE TENON MOUNT BRACKETS TO PREVENT WATER INTRUSION ON THE PROPOSED LIGHT POLES THAT ARE BEING UTILIZED AS CAMERA POLES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FOR THE PROPOSED LIGHT POLES.
22. THE COST OF THE WALL PENETRATIONS AT THE SPOON RIVER REST AREAS SHALL BE INCLUDED IN THE COST OF THE STAINLESS STEEL JUNCTION BOX.
23. THE COST OF INTERCEPTING AN EXISTING CONDUIT TO INSTALL PROPOSED COMMUNICATION VAULTS SHALL BE INCLUDED IN THE COST OF THE PROPOSED COMMUNICATION VAULT.

LEGEND

-  PROP. CCTV CABINET
-  PROP. CCTV DOME CAMERA
-  PROP. CAMERA POLE
-  PROP. CONDUIT, UNDERGROUND
-  EX. CONDUIT, PUSHED
-  EX. CONTROLLER CABINET

FIBER OPTIC CABLE SLACK

DOUBLE HANDHOLE: 30.0 FT.
 COMMUNICATIONS VAULT: 30.0 FT
 JUNCTION BOX: 10.0 FT.
 HANDHOLE: 10.0 FT.
 ITS OR SIGNAL CABINET: 10.0 FT.
 EQUIPMENT CABINET: 3.0 FT

FILE NAME :	USER NAME : #USER#	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILE#		DRAWN - _____	REVISED - _____			74	D4 ITS 2017	KNOX-PEORIA	28	3	
	PLOT SCALE : #SCALE#	CHECKED - _____	REVISED - _____			NOT TO SCALE STA. _____ TO STA. _____					
	PLOT DATE : #DATE#	DATE - _____	REVISED - _____			CONTRACT NO. 68D66 <small>ILLINOIS FED. AID PROJECT</small>					

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				KNOX COUNTY	PEORIA COUNTY	
				CONST. TYPE CODE 0021 (100% STATE) ITS AND FIBER RURAL ✓	CONST. TYPE CODE 0021 (100% STATE) ITS AND FIBER RURAL ✓	CONST. TYPE CODE 0021 (100% STATE) ITS AND FIBER URBAN ✓
CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.			
67100100	MOBILIZATION	L SUM	1.0	0.20	0.15	0.65
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	4540.0	2370.0	2170.0	
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	9230.0	275.0	150.0	8805.0
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2.0	2.0		
81300948	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	2.0		2.0	
81603040	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	3204.0	1473.0	1731.0	
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	6922.5	3264.0		3658.5
83060830	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	7.0	3.0	3.0	1.0
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	4.0			4.0
87900200	DRILL EXISTING HANDHOLE	EACH	12.0	3.0	6.0	3.0
X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	10.0	4.0	4.0	2.0
X0324603	CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	9.0	4.0	3.0	2.0
X0326248	ATMS SOFTWARE (CORE MODULE)	L SUM	1.0			1.0
X0326255	APPLICATION SERVER	EACH	1.0			1.0

14

SUMMARY OF QUANTITIES

				KNOX COUNTY		PEORIA COUNTY	
				CONST. TYPE CODE 0021 (100% STATE) ITS AND FIBER RURAL	CONST. TYPE CODE 0021 (100% STATE) ITS AND FIBER RURAL	CONST. TYPE CODE 0021 (100% STATE) ITS AND FIBER URBAN	
CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.				
X0326256	WEB SERVER	EACH	2.0			2.0	
X0326258	NETWORK SECURITY APPLIANCE	EACH	1.0			1.0	
X0326812	CAT 5 ETHERNET CABLE	FOOT	956.5	160.0	180.0	616.5	
X0326905	CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	13.0	4.0	3.0	6.0	
X0327739	MISCELLANEOUS ELECTRICAL WORK	L SUM	1.0			1.0	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.20	0.15	0.65	
X8110454	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	72.0	12.0	60.0		
X8130110	JUNCTION BOX (SPECIAL)	EACH	9.0	6.0	2.0	1.0	
X8140102	GROUND EXISTING HANDHOLE	EACH	1.0			1.0	
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	11.0	4.0	6.0	1.0	
X8710030	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	10356.0			10356.0	
X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	4950.0	2394.0	2556.0		
X8710050	FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	15.0	6.0	6.0	3.0	
Z0033052	COMMUNICATIONS VAULT	EACH	15.0	3.0	6.0	6.0	

19

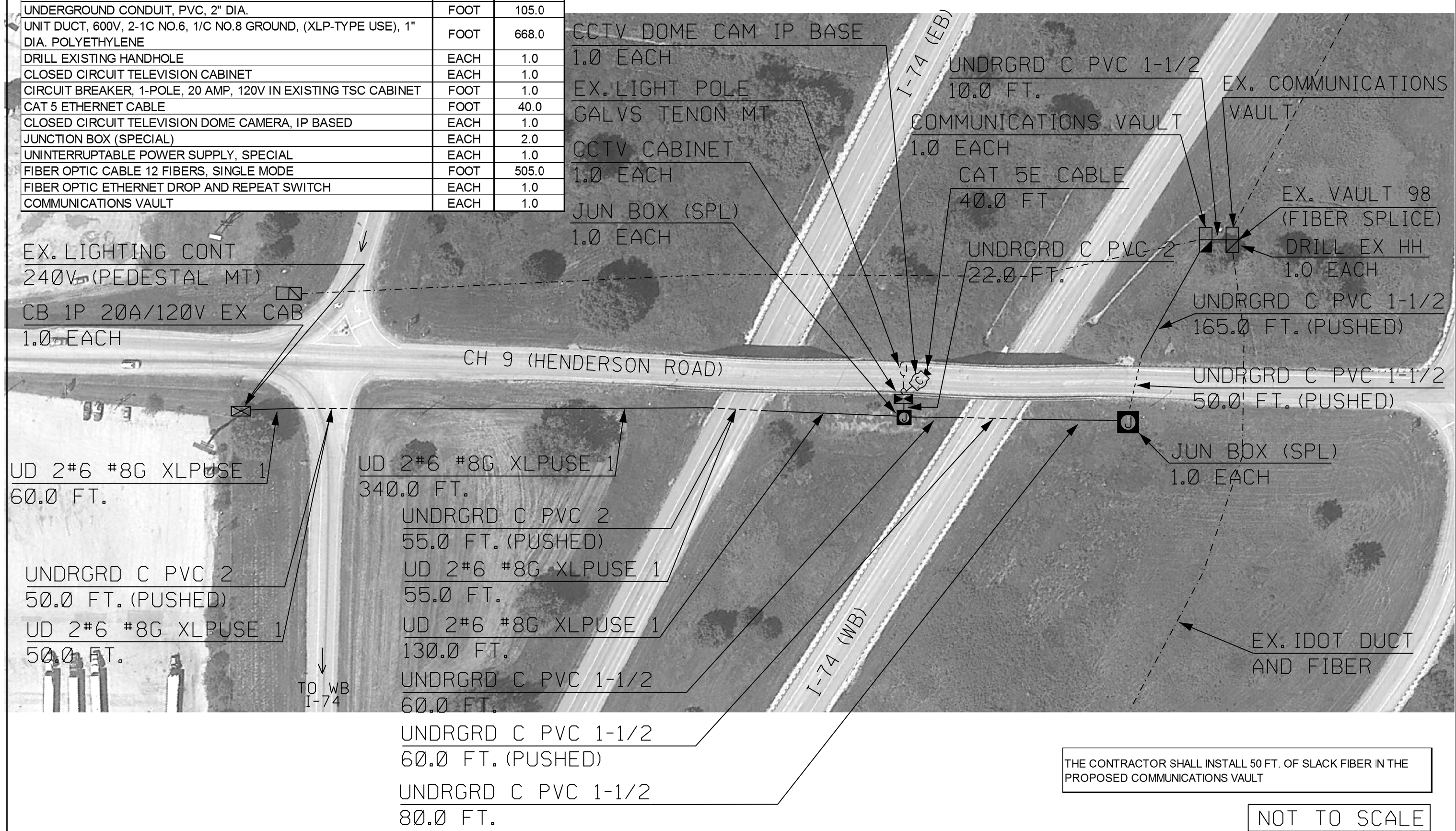
SCHEDULE OF QUANTITIES			KNOX COUNTY					PEORIA COUNTY									
			I-74 @ CH 9 (EXIT 51)	I-74 @ US 150/IL 97 (EXIT 51)	I-74 @ EB AND WB SPOON RIVER REST AREAS (EXIT 65)	I-74 @ BELL SCHOOL ROAD (EXIT 71)	I-74 @ BRIMFIELD ROAD RWIS SITE	I-74 @ MAHER ROAD (EXIT 75)	I-74 @ KICKAPOO EDWARDS BLACKTOP (EXIT 81)	I-74 @ HEINZ LANE DMS	I-74 @ I-474/IL 6 (EXIT 87)	I-74 @ GALE AVENUE (EXIT 90)	I-474 FIBER TO AIRPORT ROAD AND CCTV CAMERA	IL 40 & MOSSVILLE / WILHELM	IL 40 & NORTHMOOR / PIN OAK	US 150 & WISCONSIN / BOULEVARD	IDOT D4 ATMS SOFTWARE UPGRADE
ITEM DESCRIPTION	UNIT	TOTAL QTY.															
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	4540.0	425.0	80.0	1865.0	760.0	40.0	360.0	120.0	260.0	630.0						
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	9230.0	105.0	170.0		100.0		50.0				35.0	8770.0				
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2.0			2.0												
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	2.0					2.0										
UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHY	FOOT	3204.0	668.0	805.0		993.0		633.0	105.0								
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	6922.5			3264.0							1111.5	2547.0				
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	7.0		1.0	2.0	1.0		1.0	1.0			1.0					
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	4.0										4.0					
DRILL EXISTING HANDHOLE	EACH	12.0	1.0	1.0	1.0	1.0		1.0	1.0	2.0	1.0	1.0	2.0				
CLOSED CIRCUIT TELEVISION CABINET	EACH	10.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0			1.0	1.0				
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	9.0	1.0	1.0	2.0	1.0		1.0	1.0			1.0	1.0				
ATMS SOFTWARE (CORE MODULE)	L SUM	1.0														1.0	
APPLICATION SERVER	EACH	1.0														1.0	

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY.	KNOX COUNTY					PEORIA COUNTY									
			I-74 @ CH 9 (EXIT 51)	I-74 @ US 150/IL 97 (EXIT 51)	I-74 @ EB AND WB SPOON RIVER REST AREAS (EXIT 65)	I-74 @ BELL SCHOOL ROAD (EXIT 71)	I-74 @ BRIMFIELD ROAD RWIS SITE	I-74 @ MAHER ROAD (EXIT 75)	I-74 @ KICKAPOO EDWARDS BLACKTOP (EXIT 81)	I-74 @ HEINZ LANE DMS	I-74 @ I- 474/IL 6 (EXIT 87)	I-74 @ GALE AVENUE (EXIT 90)	I-474 FIBER TO AIRPORT ROAD AND CCTV CAMERA	IL 40 & MOSSVILLE / WILHELM	IL 40 & NORTHMOOR / PIN OAK	US 150 & WISCONSIN / BOULEVARD	IDOT D4 ATMS SOFTWARE UPGRADE
WEB SERVER	EACH	2.0															2.0
NETWORK SECURITY APPLIANCE	EACH	1.0															1.0
CAT 5 ETHERNET CABLE	FOOT	956.5	40.0	40.0	80.0	40.0	60.0	40.0	40.0			40.0	98.0	122.0	289.5	67.0	
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	13.0	1.0	1.0	2.0	1.0		1.0	1.0			1.0	2.0	1.0	1.0	1.0	
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	72.0			12.0		60.0										
JUNCTION BOX (SPECIAL)	EACH	9.0	1.0		4.0			1.0			1.0		2.0				
GROUND EXISTING HANDHOLE	EACH	1.0										1.0					
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	11.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0				
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	10356.0											10356.0				
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	4950.0	505.0	128.0	1761.0	813.0	123.0	436.0	168.0	325.0	691.0						
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	15.0	1.0	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0		3.0				
COMMUNICATIONS VAULT	EACH	15.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		7.0				



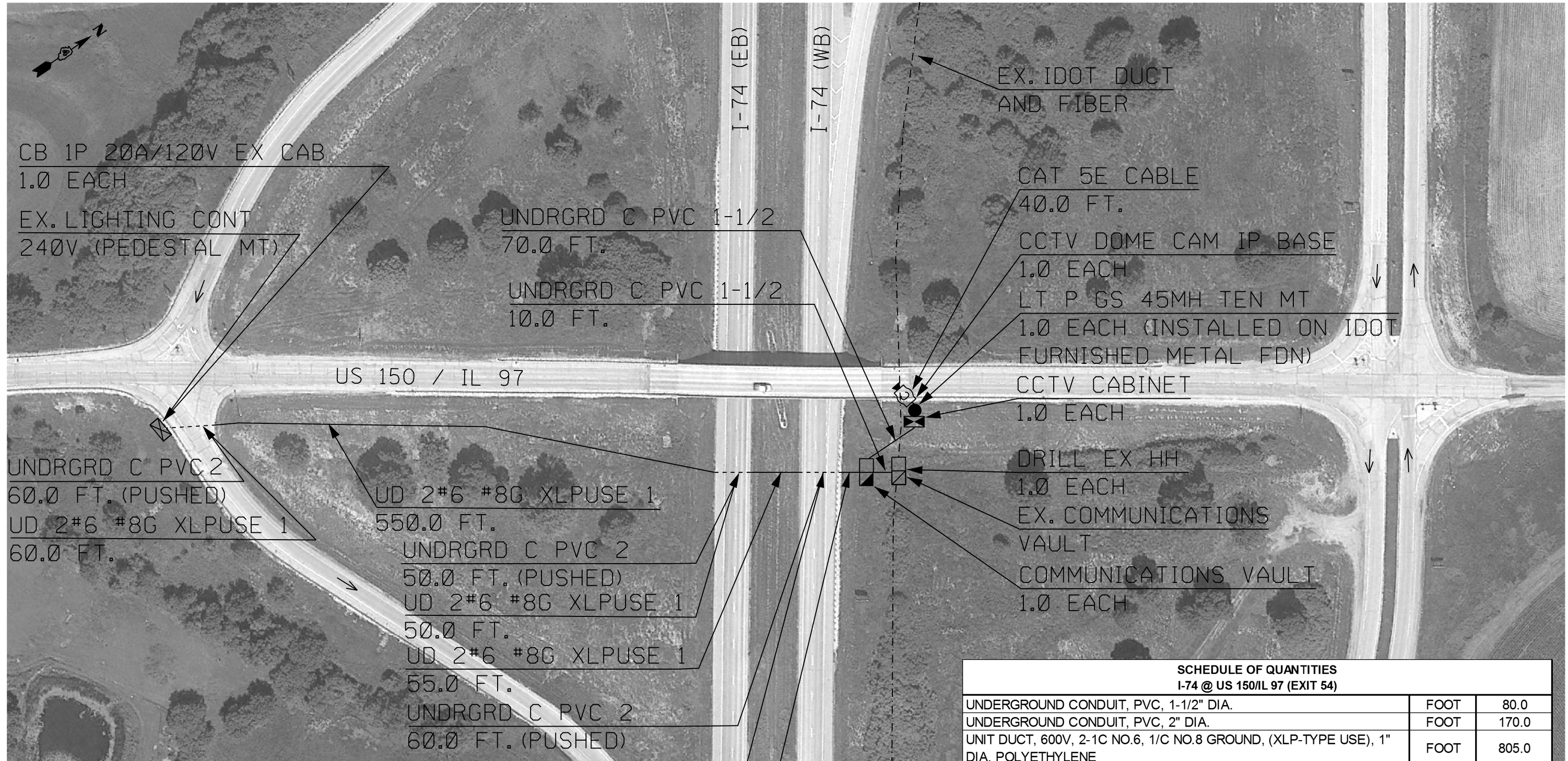
SCHEDULE OF QUANTITIES		
I-74 @ IL 9 (HENDERSON ROAD) - KNOXVILLE (EXIT 51)		
UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.	FOOT	425.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	105.0
UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	668.0
DRILL EXISTING HANDHOLE	EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	FOOT	1.0
CAT 5 ETHERNET CABLE	FOOT	40.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0
JUNCTION BOX (SPECIAL)	EACH	2.0
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1.0
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	505.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
COMMUNICATIONS VAULT	EACH	1.0



THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE PROPOSED COMMUNICATIONS VAULT

NOT TO SCALE

FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CONDUIT, FIBER, AND CCTV INSTALLATION I-74 & CH 9 (HENDERSON ROAD) - KNOXVILLE (EXIT 51)	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILEL		DRAWN -	REVISED -			74	D4 ITS 2017	KNOX-PEORIA	28	8	
	PLOT SCALE = *SCALE*	CHECKED -	REVISED -			CONTRACT NO. 68D66					
	PLOT DATE = *DATE*	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



CB 1P 20A/120V EX CAB
1.0 EACH

EX. LIGHTING CONT
240V (PEDESTAL MT)

UNDRGRD C PVC 1-1/2
70.0 FT.

UNDRGRD C PVC 1-1/2
10.0 FT.

EX. IDOT DUCT
AND FIBER

CAT 5E CABLE
40.0 FT.

CCTV DOME CAM IP BASE
1.0 EACH

LT P GS 45MH TEN MT
1.0 EACH (INSTALLED ON IDOT
FURNISHED METAL FDN)

CCTV CABINET
1.0 EACH

DRILL EX HH
1.0 EACH

EX. COMMUNICATIONS
VAULT

COMMUNICATIONS VAULT
1.0 EACH

UNDRGRD C PVC 2
60.0 FT. (PUSHED)
UD 2#6 #8G XLP USE 1
60.0 FT.

UD 2#6 #8G XLP USE 1
550.0 FT.

UNDRGRD C PVC 2
50.0 FT. (PUSHED)
UD 2#6 #8G XLP USE 1
50.0 FT.

UD 2#6 #8G XLP USE 1
55.0 FT.

UNDRGRD C PVC 2
60.0 FT. (PUSHED)

UD 2#6 #8G XLP USE 1
60.0 FT.

UD 2#6 #8G XLP USE 1
30.0 FT.

US 150 / IL 97

I-74 (EB)

I-74 (WB)

INSTALL LIGHT POLE BEHIND
EXISTING GUARDRAIL

THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE
PROPOSED COMMUNICATIONS VAULT

NOT TO SCALE

SCHEDULE OF QUANTITIES
I-74 @ US 150/IL 97 (EXIT 54)

DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.	FOOT	80.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	170.0
UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	805.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	FOOT	1.0
CAT 5 ETHERNET CABLE	FOOT	40.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1.0
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	128.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
COMMUNICATIONS VAULT	EACH	1.0

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -
\$FILE\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE*	CHECKED -	REVISED -
	PLOT DATE = \$DATE*	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV INSTALLATION
I-74 & US 150 /IL 97 - KNOXVILLE (EXIT 54)

NOT TO SCALE STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	9
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES
I-74 @ EB AND WB SPOON RIVER REST AREAS

UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.	FOOT	1865.0
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	12.0
JUNCT BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12X12X6	EACH	2.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3264.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	2.0
DRILL EXISTING HANDHOLE	EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	2.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	FOOT	2.0
CAT 5 ETHERNET CABLE	FOOT	80.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	2.0
JUNCTION BOX (SPECIAL)	EACH	4.0
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2.0
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	1761.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	4.0
COMMUNICATIONS VAULT	EACH	1.0

LT P GS 45MH TEN MT
1.0 EACH (INSTALLED ON IDOT
FURNISHED METAL FDN)
CCTV DOME CAM IP BASE
1.0 EACH

CAT 5E CABLE
40.0 FT.

JUN BX SS AS 12X12X6
1.0 EACH (INSTALL ON
BASEMENT WALL WITH
WALL PENETRATION INTO
BASEMENT)
CON AT ST 1 SS
6.0 FT.

CCTV CABINET
1.0 EACH

UNDRGRD C PVC 1-1/2
60.0 FT. (PUSHED)

UNDRGRD C PVC 1-1/2
15.0 FT.

JUN BX (SPECIAL)
1.0 EACH

UNDRGRD C PVC 1-1/2
125.0 FT.

UNDRGRD C PVC 1-1/2
125.0 FT. (PUSHED)

UNDRGRD C PVC 1-1/2
100.0 FT.

CCTV DOME CAM IP BASE
1.0 EACH

CAT 5E CABLE
40.0 FT.

LT P GS 45MH TEN MT
1.0 EACH (INSTALLED ON IDOT
FURNISHED METAL FDN)

CCTV CABINET
1.0 EACH

EX. IDOT DUCT
AND FIBER
UNDRGRD C PVC 1-1/2
350.0 FT.

JUN BX (SPECIAL)
1.0 EACH

UNDRGRD C PVC 1-1/2
200.0 FT.

COMM. VAULT
1.0 EACH

JUN BX SS AS 12X12X6
1.0 EACH (INSTALL ON
BASEMENT WALL WITH
WALL PENETRATION INTO
BASEMENT)

CON AT ST 1 SS
6.0 FT.

UNDRGRD C
PVC 1-1/2
310.0 FT.

UNDRGRD C
PVC 1-1/2
80.0 FT.
(PUSHED)

DRILL EX HH
1.0 EACH

EX. FIBER
VAULT 118

UNDRGRD C
PVC 1-1/2
10.0 FT.

UNDRGRD C PVC 1-1/2
300.0 FT.

UNDRGRD C PVC 1-1/2
60.0 FT. (PUSHED)

UNDRGRD C PVC 1-1/2
70.0 FT.

THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE
PROPOSED COMMUNICATIONS VAULT

NOT TO SCALE

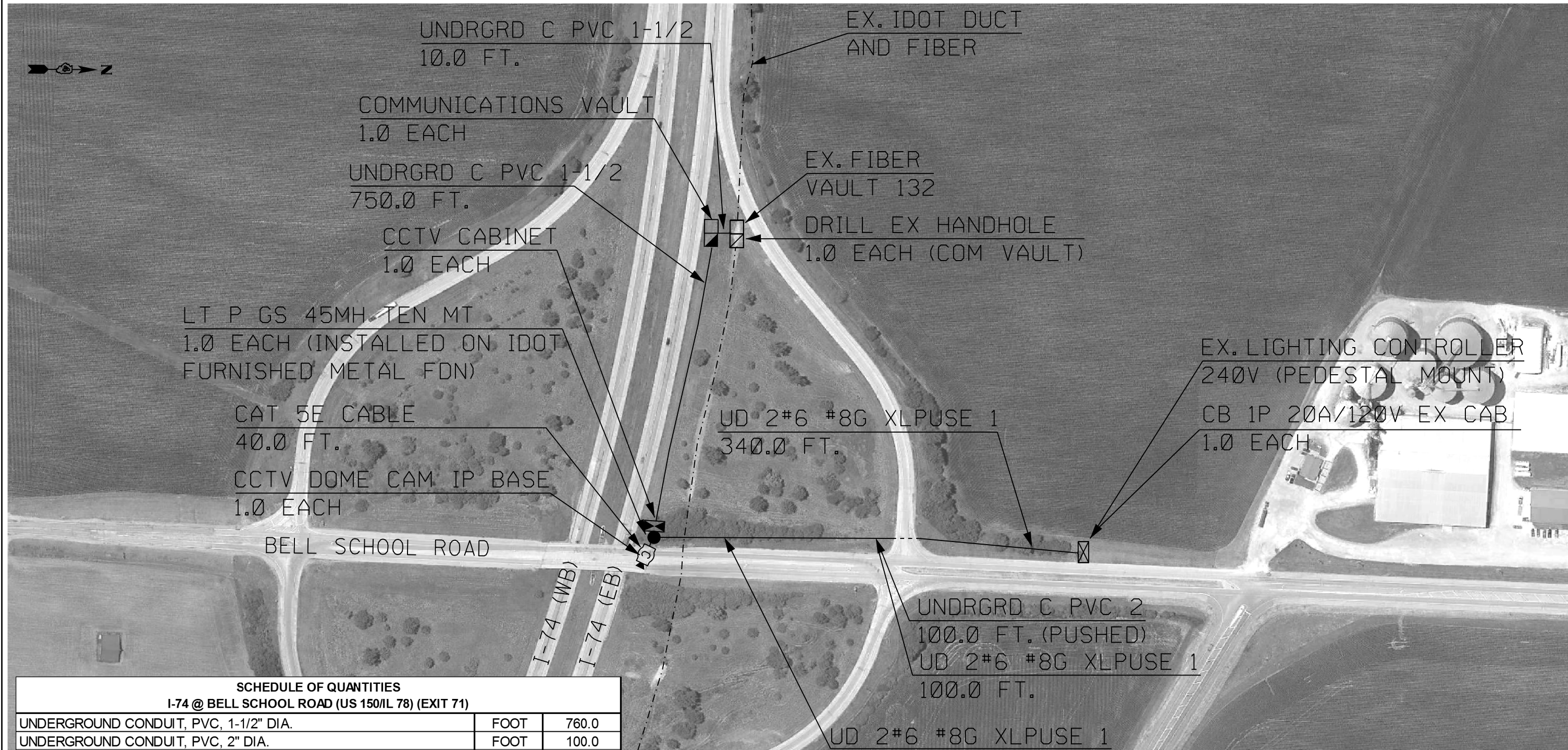
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
\$FILEL\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV INSTALLATION
I-74 & EB AND WB SPOON RIVER REST AREAS (EXIT 62)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	10
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



SCHEDULE OF QUANTITIES		
I-74 @ BELL SCHOOL ROAD (US 150/IL 78) (EXIT 71)		
UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.	FOOT	760.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	100.0
UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	993.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	FOOT	1.0
CAT 5 ETHERNET CABLE	FOOT	40.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1.0
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	813.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
COMMUNICATIONS VAULT	EACH	1.0

INSTALL LIGHT POLE BEHIND EXISTING GUARDRAIL

THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE PROPOSED COMMUNICATIONS VAULT

NOT TO SCALE

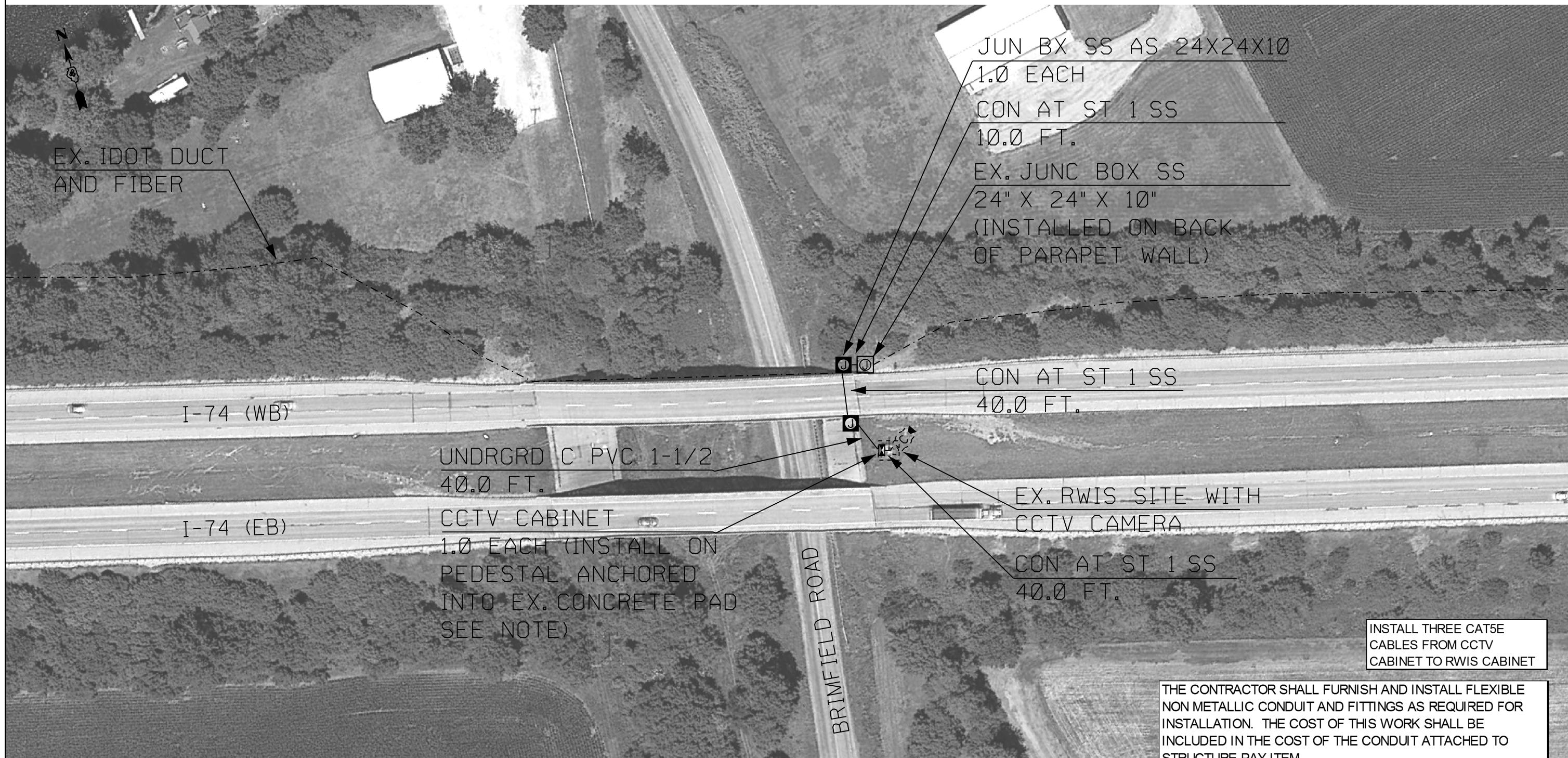
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
\$FILEL\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV INSTALLATION
I-74 & IL 78 / BELL SCHOOL ROAD (EXIT 71)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	11
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



INSTALL THREE CAT5E CABLES FROM CCTV CABINET TO RWIS CABINET

THE CONTRACTOR SHALL FURNISH AND INSTALL FLEXIBLE NON METALLIC CONDUIT AND FITTINGS AS REQUIRED FOR INSTALLATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE PAY ITEM.

THE CCTV CABINET SHALL BE INSTALLED ON A PEDESTAL AT THIS LOCATION. THE CONTRACTOR SHALL FURNISH AND INSTALL A METAL SCREW IN FOUNDATION, BREAKAWAY BASE, PEDESTAL POLE, AND ALL ITEMS REQUIRED FOR INSTALLATION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CCTV CABINET PAY ITEM.

THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE PROPOSED COMMUNICATIONS VAULT

NOT TO SCALE

SCHEDULE OF QUANTITIES I-74 @ BRIMFIELD ROAD RWIS SITE		
UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.	FOOT	40.0
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	60.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	2.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	60.0
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1.0
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	123.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
\$FILEL\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV INSTALLATION
I-74 & BRIMFIELD ROAD RWIS SITE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	12
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



SCHEDULE OF QUANTITIES I-74 @ MAHER ROAD		
UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.	FOOT	360.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	50.0
UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	633.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	FOOT	1.0
CAT 5 ETHERNET CABLE	FOOT	40.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0
JUNCTION BOX (SPECIAL)	EACH	1.0
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1.0
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	436.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
COMMUNICATIONS VAULT	EACH	1.0

EX. LIGHTING CONTROLLER
240 V (PEDESTAL MT)
CB 1P 20A/120V EX CAB
1.0 EACH

UD 2#6 #8G XLP USE 1
60.0 FT.

UNDRGRD C PVC 2
50.0 FT. (PUSHED)
UD 2#6 #8G XLP USE 1
50.0 FT.

TO WB
I-74

UD 2#6 #8G XLP USE 1
495.0 FT.

JUN BOX (SPL)
1.0 EACH

UNDRGRD C PVC 1-1/2
50.0 FT.

UNDRGRD C PVC 1-1/2
60.0 FT. (PUSHED)

CCTV CABINET
1.0 EACH

LT P GS 45MH TEN MT
1.0 EACH (INSTALLED ON IDOT
FURNISHED METAL FDN)

CCTV DOME CAM IP BASE
1.0 EACH
CAT 5E CABLE
40.0 FT.

EX. IDOT DUCT
AND FIBER

UNDRGRD C PVC 1-1/2
25.0 FT.

COMMUNICATIONS VAULT
1.0 EACH

DRILL EX HANDHOLE
1.0 EACH (COM VAULT)

EX. COMMUNICATIONS
VAULT 39

UNDRGRD C PVC 1-1/2
10.0 FT.

UNDRGRD C PVC 1-1/2
125.0 FT.

UNDRGRD C PVC 1-1/2
60.0 FT. (PUSHED)

UNDRGRD C PVC 1-1/2
55.0 FT.

INSTALL LIGHT POLE BEHIND
EXISTING GUARDRAIL

THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE
PROPOSED COMMUNICATIONS VAULT

NOT TO SCALE

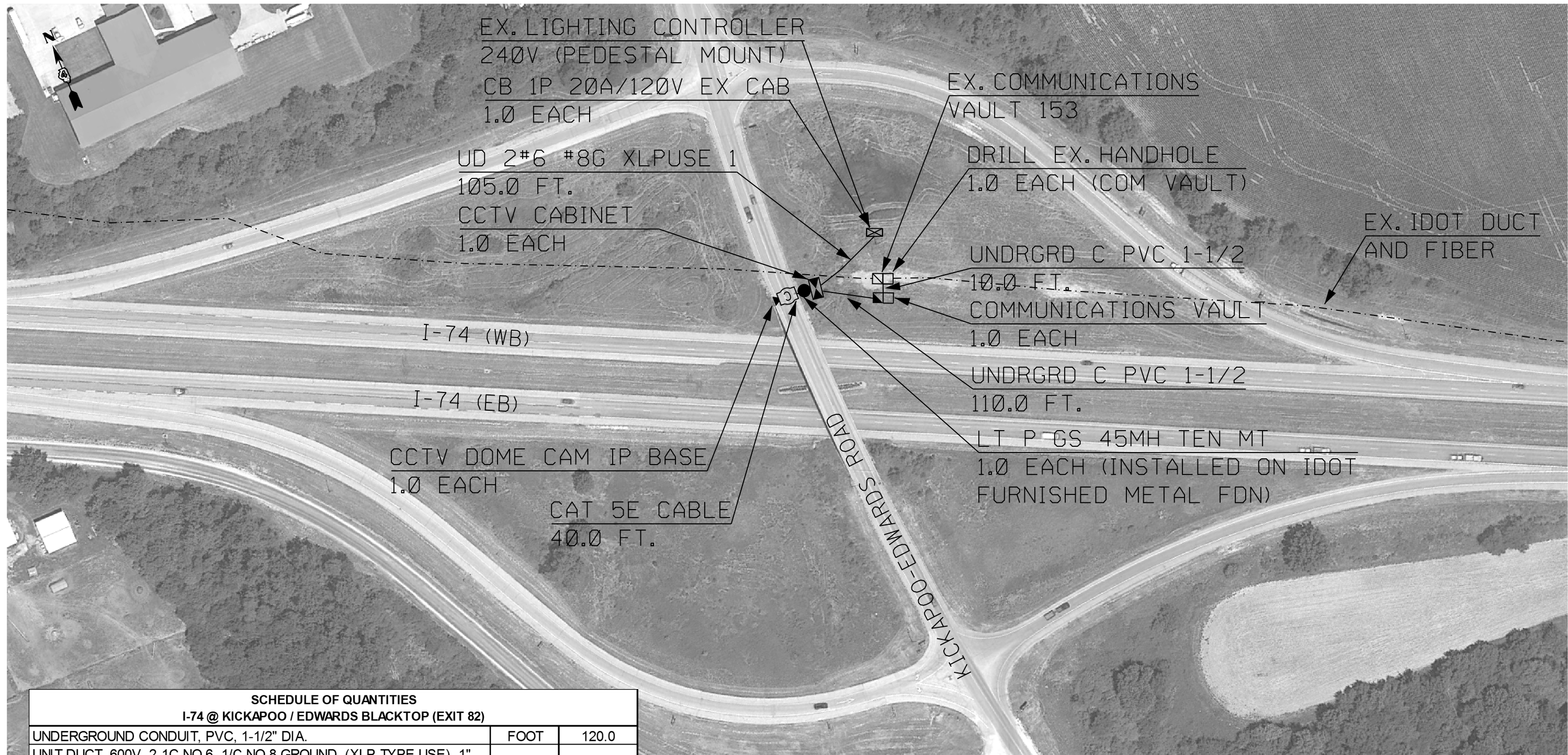
FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -
FILEL		DRAWN -	REVISED -
	PLOT SCALE = *SCALE*	CHECKED -	REVISED -
	PLOT DATE = *DATE*	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV INSTALLATION
I-74 & MAHER ROAD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	13
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. TO STA.



SCHEDULE OF QUANTITIES		
I-74 @ KICKAPOO / EDWARDS BLACKTOP (EXIT 82)		
UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.	FOOT	120.0
UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	105.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	FOOT	1.0
CAT 5 ETHERNET CABLE	FOOT	40.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1.0
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	168.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
COMMUNICATIONS VAULT	EACH	1.0

INSTALL LIGHT POLE BEHIND EXISTING GUARDRAIL

THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE PROPOSED COMMUNICATIONS VAULT

NOT TO SCALE

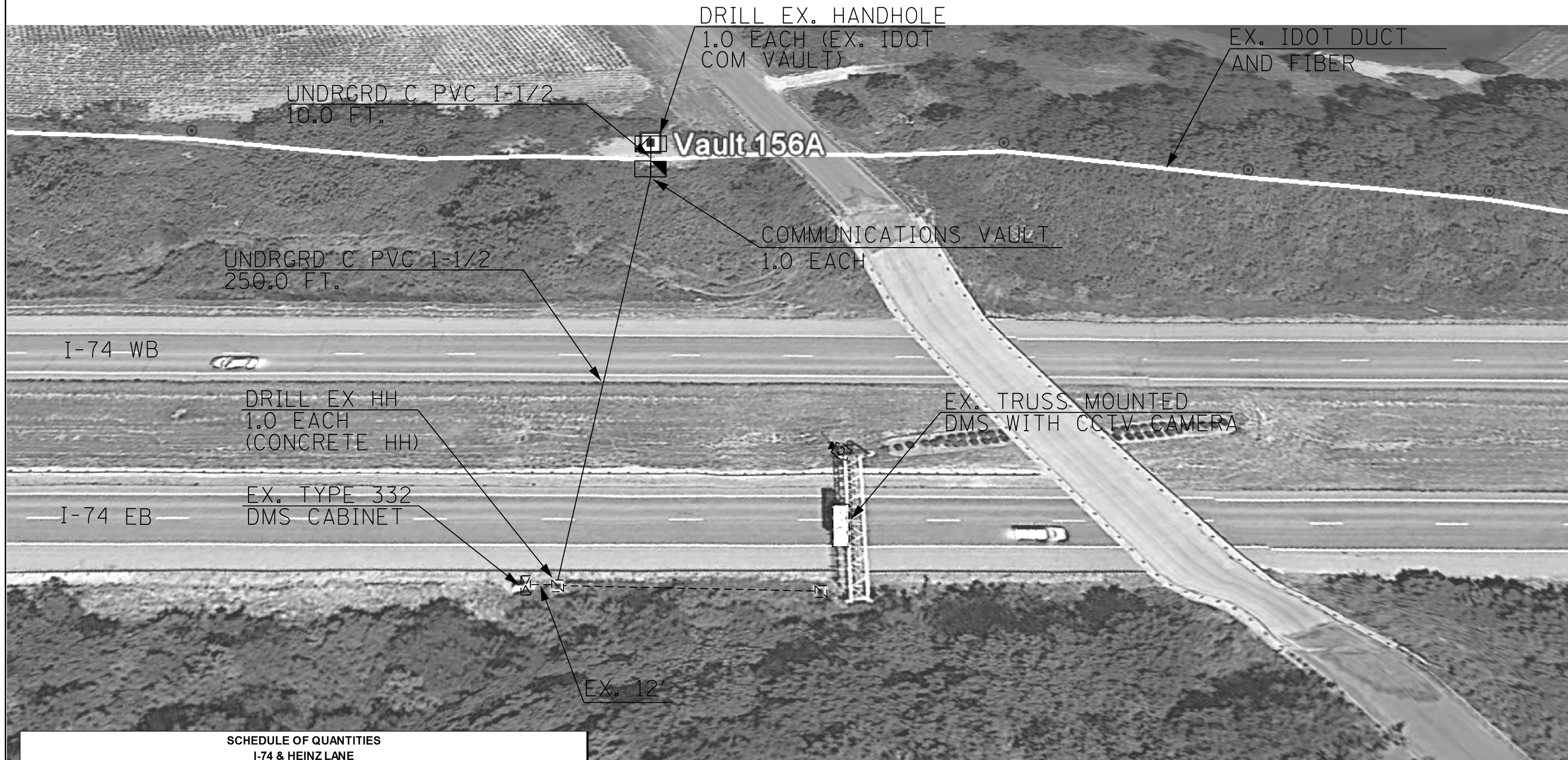
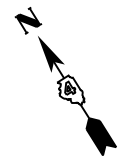
FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -
*FILE#		DRAWN -	REVISED -
	PLOT SCALE = *SCALE*	CHECKED -	REVISED -
	PLOT DATE = *DATE*	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV INSTALLATION
I-74 & KICKAPOO / EDWARDS BLACKTOP (EXIT 82)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	14
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



SCHEDULE OF QUANTITIES I-74 & HEINZ LANE		
UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.	FOOT	260.0
DRILL EXISTING HANDHOLE	EACH	2.0
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1.0
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	325.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
COMMUNICATIONS VAULT	EACH	1.0

THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE PROPOSED COMMUNICATIONS VAULT

NOT TO SCALE

FILE NAME =	USER NAME = \$USER*	DESIGNED - ___	REVISED - ___
\$FILEL\$		DRAWN - ___	REVISED - ___
	PLOT SCALE = \$SCALE*	CHECKED - ___	REVISED - ___
	PLOT DATE = \$DATE*	DATE - ___	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT AND FIBER OPTIC CABLE INSTALLATION
I-74 & HEINZ LANE DMS SITE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	15
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



SCHEDULE OF QUANTITIES		
I-74 & I-474 / IL 6 INTERCHANGE (EXIT 87)		
UNDERGROUND CONDUIT, PVC, 1-1/2" DIA.	FOOT	630.0
DRILL EXISTING HANDHOLE	EACH	1.0
JUNCTION BOX (SPECIAL)	EACH	1.0
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1.0
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	691.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
COMMUNICATIONS VAULT	EACH	1.0

THE CONTRACTOR SHALL REMOVE THE EXISTING COMPOSITE CONCRETE JUNCTION BOX, DISPOSE OF IT OFF SITE, AND INSTALL A NEW JUNCTION BOX. THE EXISTING CONDUITS SHALL BE EXTENDED OR MODIFIED AS REQUIRED TO ACCOMMODATE THE NEW JUNCTION BOX. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED JUNCTION BOX.



THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE PROPOSED COMMUNICATIONS VAULT

NOT TO SCALE

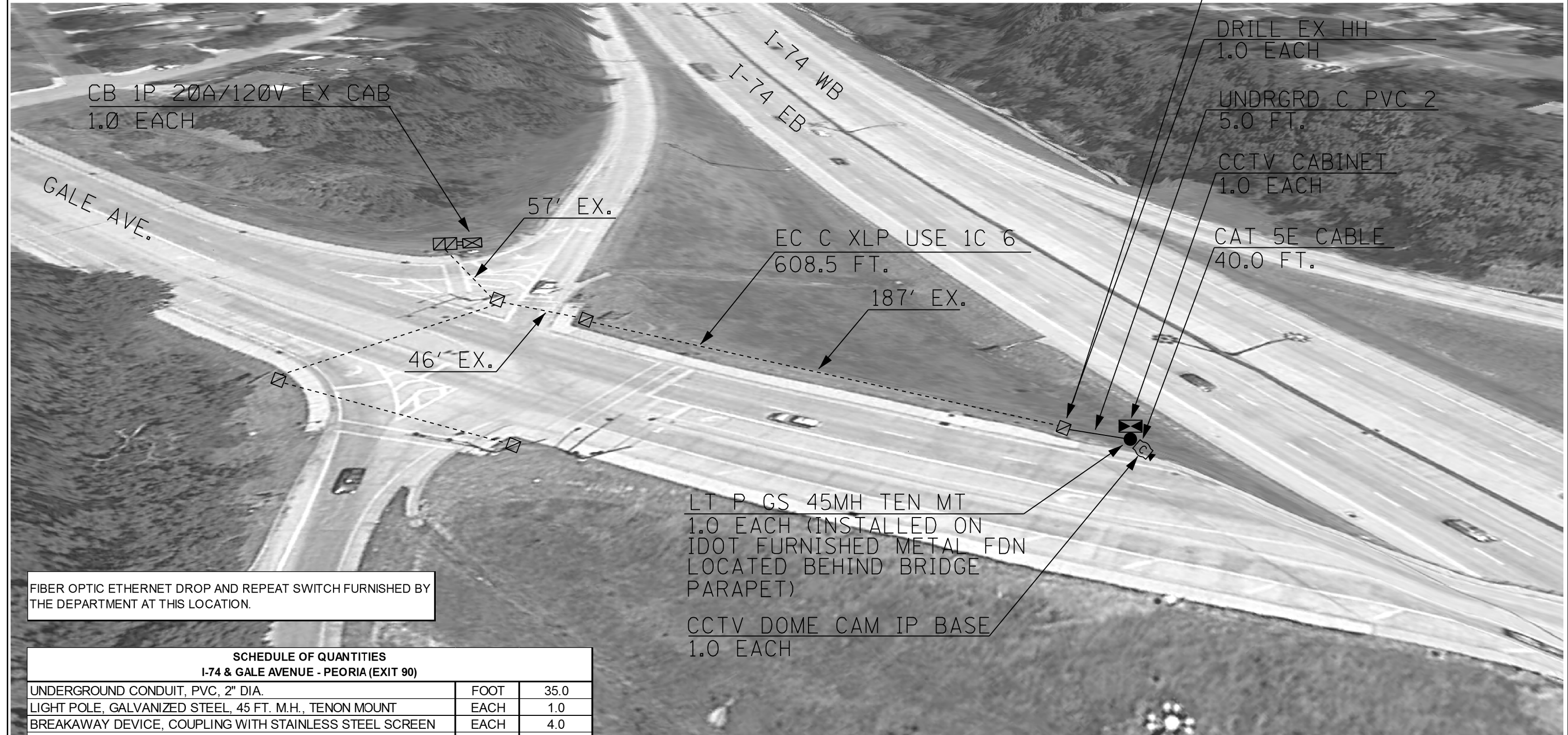
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
\$FILEL\$		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT AND FIBER OPTIC CABLE INSTALLATION
I-74 & I-474 / IL 6 INTERCHANGE (EXIT 87)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	16
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



SCHEDULE OF QUANTITIES		
I-74 & GALE AVENUE - PEORIA (EXIT 90)		
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	35.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	1.0
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	4.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1111.5
DRILL EXISTING HANDHOLE	EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	FOOT	1.0
CAT 5 ETHERNET CABLE	FOOT	40.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0
GROUND EXISTING HANDHOLE	EACH	1.0

LT P GS 45MH TEN MT
1.0 EACH (INSTALLED ON
IDOT FURNISHED METAL FDN
LOCATED BEHIND BRIDGE
PARAPET)
CCTV DOME CAM IP BASE
1.0 EACH

THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE PROPOSED COMMUNICATIONS VAULT

NOT TO SCALE



SCHEDULE OF QUANTITIES		
I-474 @ US 24 (MCKINLEY STREET) TO BARTONVILLE (EXIT 5)		
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1525.0
DRILL EXISTING HANDHOLE	EACH	1.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	1573.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
COMMUNICATIONS VAULT	EACH	1.0

NOT TO SCALE

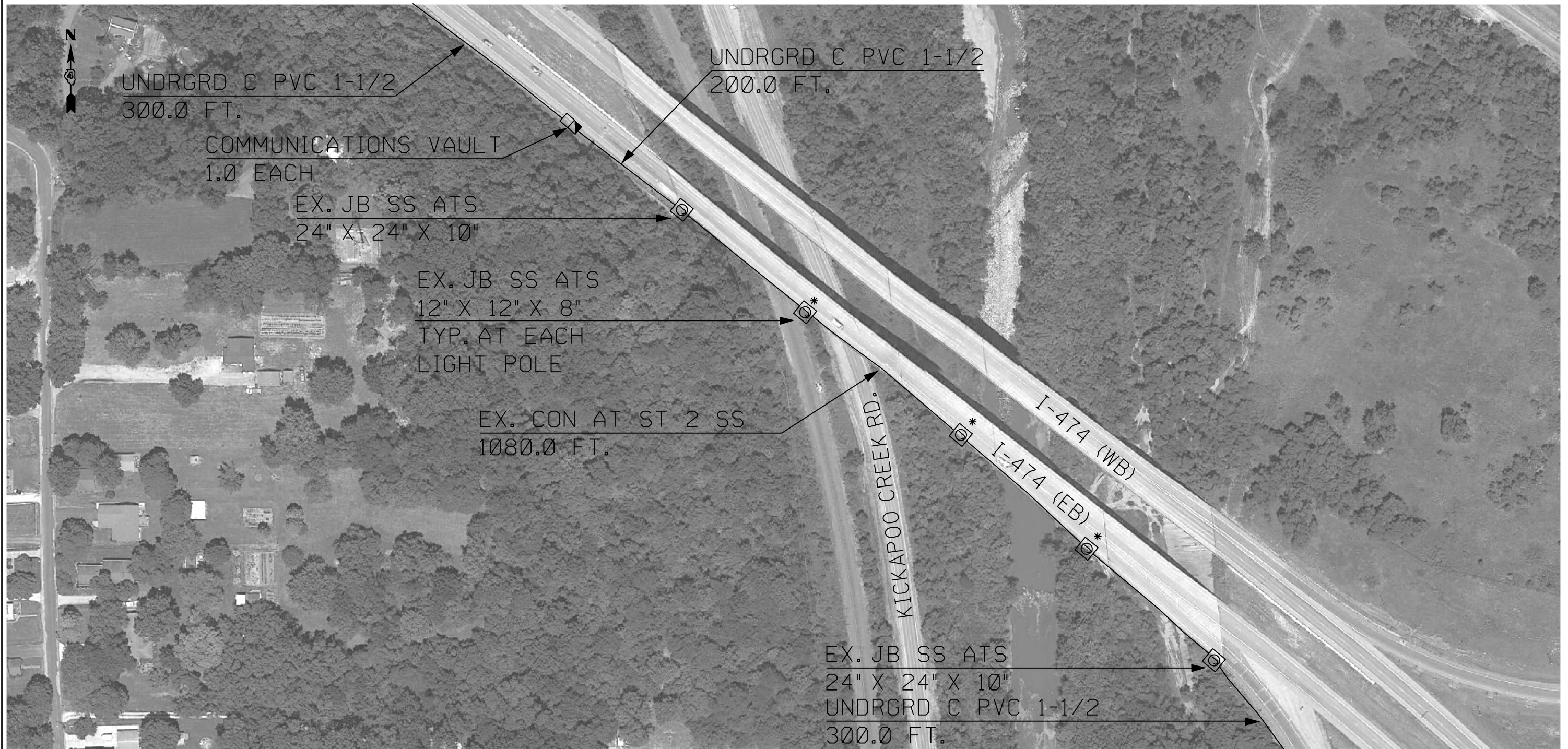
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
\$FILEL\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION
I-474 FROM BARTONVILLE (EXIT 5) TO IL 116 (AIRPORT ROAD) (EXIT 3)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	18
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



SCHEDULE OF QUANTITIES I-474 WB TO BARTONVILLE (EXIT 5)		
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	800.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	1960.0
COMMUNICATIONS VAULT	EACH	1.0

NOT TO SCALE

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
\$FILE\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION
I-474 FROM BARTONVILLE (EXIT 5) TO IL 116 (AIRPORT ROAD) (EXIT 3)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	19
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



SCHEDULE OF QUANTITIES		
I-474 WB TO BARTONVILLE (EXIT 5) (CONTINUED)		
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2150.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	2180.0
COMMUNICATIONS VAULT	EACH	1.0

NOT TO SCALE

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
\$FILE\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION
I-474 FROM BARTONVILLE (EXIT 5) TO IL 116 (AIRPORT ROAD) (EXIT 3)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	20
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



SCHEDULE OF QUANTITIES		
I-474 WB TO IL 116 (AIRPORT ROAD) (EXIT 3)		
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	3650.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	3740.0
COMMUNICATIONS VAULT	EACH	3.0

NOT TO SCALE

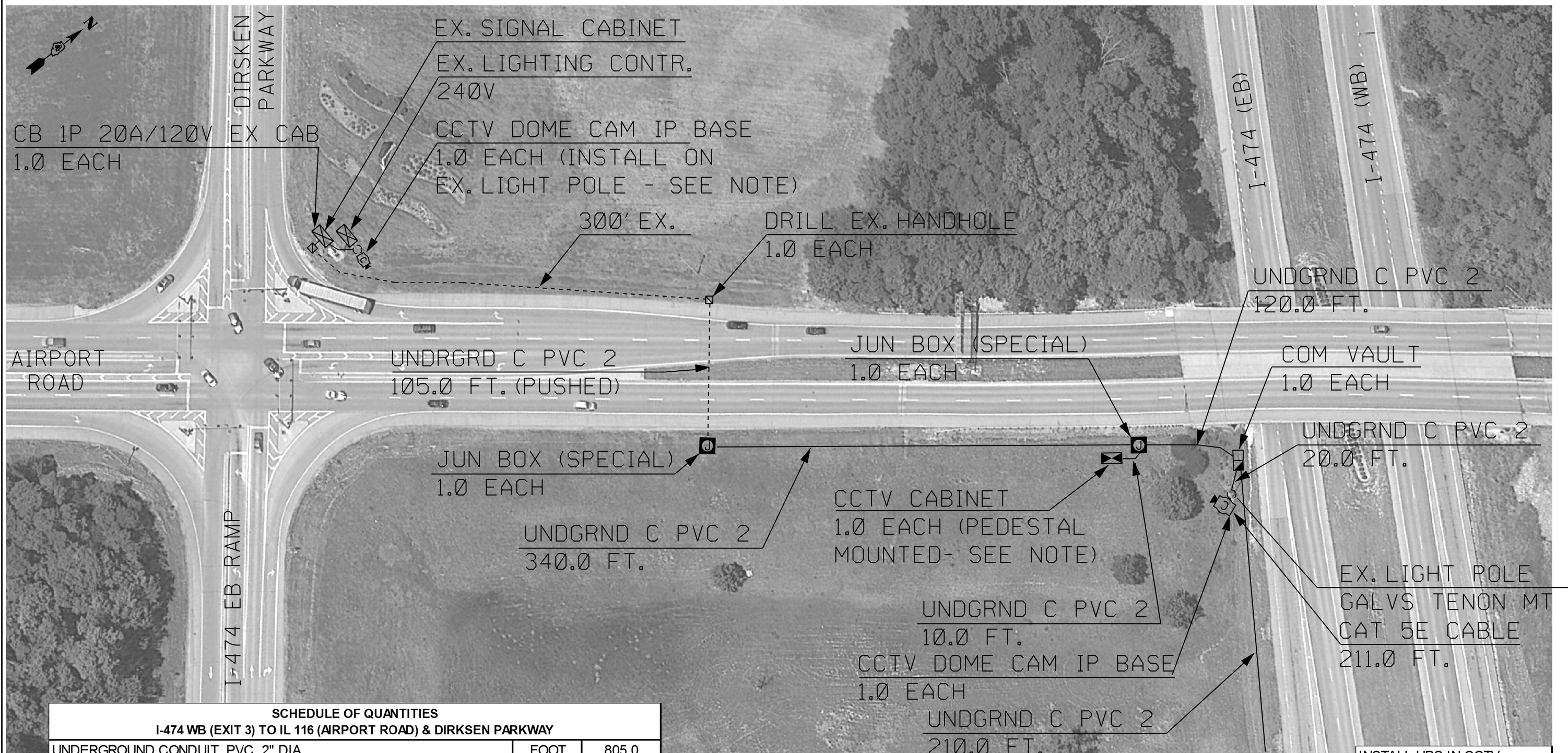
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
\$FILE\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION
I-474 FROM BARTONVILLE (EXIT 5) TO IL 116 (AIRPORT ROAD) (EXIT 3)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	21
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



SCHEDULE OF QUANTITIES		
I-474 WB (EXIT 3) TO IL 116 (AIRPORT ROAD) & DIRSKEN PARKWAY		
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	805.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	2374.5
DRILL EXISTING HANDHOLE	EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	FOOT	1.0
CAT 5 ETHERNET CABLE	FOOT	280.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	2.0
JUNCTION BOX (SPECIAL)	EACH	2.0
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1.0
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	1211.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	2.0
COMMUNICATIONS VAULT	EACH	1.0

THE CCTV CABINET SHALL BE INSTALLED ON A PEDESTAL AT THIS LOCATION. THE CONTRACTOR SHALL FURNISH AND INSTALL A METAL SCREW IN FOUNDATION, BREAKAWAY BASE, PEDESTAL POLE, STAND PAD, AND ALL ITEMS REQUIRED FOR INSTALLATION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CCTV CABINET PAY ITEM.

THE CONTRACTOR SHALL INSTALL 50 FT. OF SLACK FIBER IN THE PROPOSED COMMUNICATIONS VAULT

THE CONTRACTOR SHALL INSTALL A 1" PVC CONDUIT FROM THE EXISTING LIGHT POLE TO THE TRAFFIC SIGNAL CONTROLLER (DRILL THROUGH EX. CABINET FOUNDATION). THIS WORK SHALL BE INCLUDED IN THE PRICE OF THE CCTV CAMERA.

NOT TO SCALE

INSTALL UPS IN CCTV CABINET

FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -
FILEL		DRAWN -	REVISED -
	PLOT SCALE = *SCALE*	CHECKED -	REVISED -
	PLOT DATE = *DATE*	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FIBER, AND CCTV CAMERA INSTALLATION
I-474 FROM BARTONVILLE (EXIT 5) TO IL 116 (AIRPORT ROAD) (EXIT 3)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	22
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. TO STA.



SCHEDULE OF QUANTITIES		
IL 40 (KNOXVILLE AVENUE) & MOSSVILLE / WILHELM - PEORIA		
CAT 5 ETHERNET CABLE	FOOT	147.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0

NOT TO SCALE

FILE NAME = *FILE*	USER NAME = *USER*	DESIGNED - ___	REVISED - ___
		DRAWN - ___	REVISED - ___
		CHECKED - ___	REVISED - ___
		DATE - ___	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CCTV CAMERA INSTALLATION
IL 40 (KNOXVILLE AVENUE) & MOSSVILLE / WILHELM - PEORIA

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	23
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



SCHEDULE OF QUANTITIES		
IL 40 (KNOXVILLE AVENUE) & NORTHMOOR / PIN OAK - PEORIA		
CAT 5 ETHERNET CABLE	FOOT	289.5
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0

NOT TO SCALE

FILE NAME = *FILE*	USER NAME = *USER*	DESIGNED - ___	REVISED - ___
		DRAWN - ___	REVISED - ___
		CHECKED - ___	REVISED - ___
		DATE - ___	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CCTV CAMERA INSTALLATION
IL 40 (KNOXVILLE AVENUE) & NORTHMOOR / PIN OAK - PEORIA

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	24
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____



US 150 (WAR MEMORIAL DRIVE)

BOULEVARD

WISCONSIN

2' EX.
6' EX.

SCHEDULE OF QUANTITIES		
IUS 150 (WAR MEMORIAL DRIVE) & WISCONSIN / BOULEVARD - PEORIA		
CAT 5 ETHERNET CABLE	FOOT	67.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0

NOT TO SCALE

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
\$FILE\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CCTV CAMERA INSTALLATION
US 150 (WAR MEMORIAL DRIVE) & WISCONSIN /BOULEVARD - PEORIA

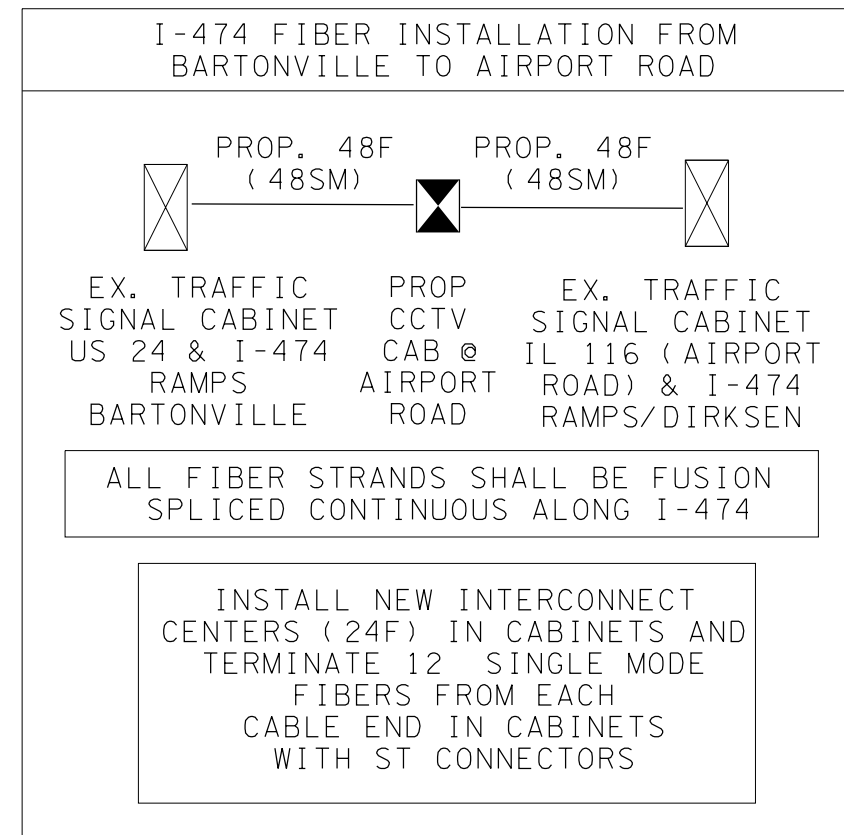
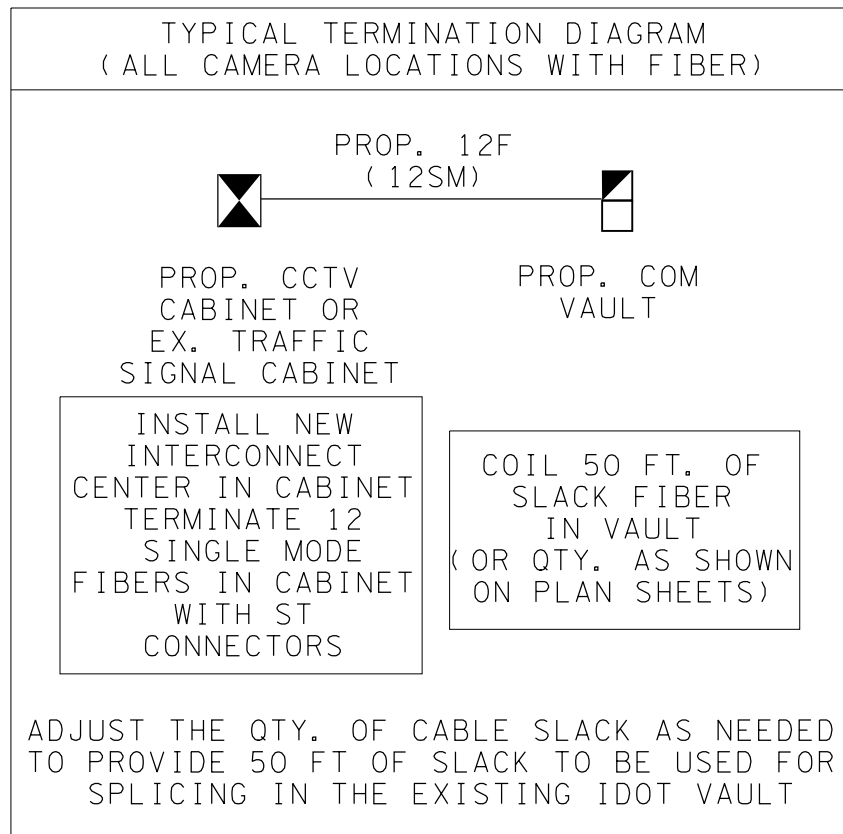
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 ITS 2017	KNOX-PEORIA	28	25
CONTRACT NO. 68D66				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. _____ TO STA. _____

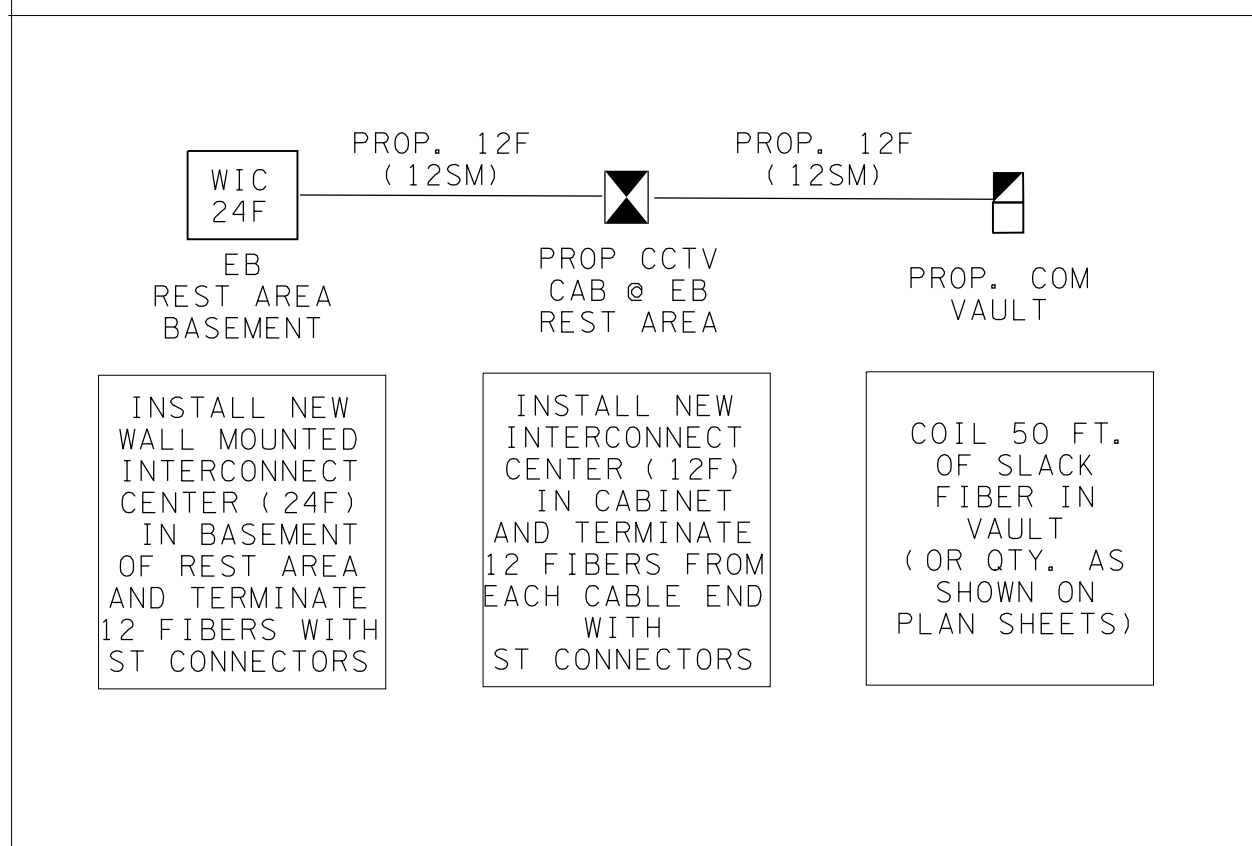
FIBER OPTIC CABLE TERMINATION NOTES (SINGLE MODE CABLE)

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 ST AND LC 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.

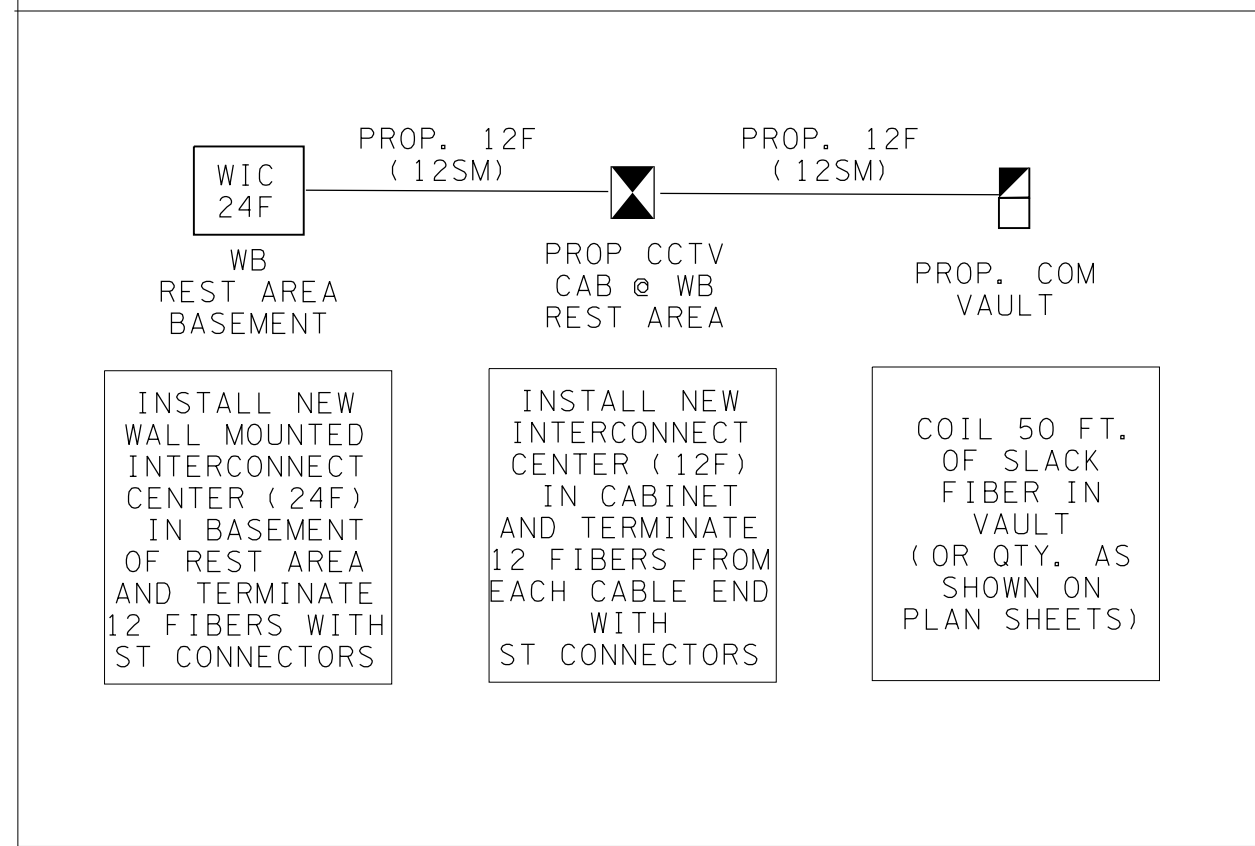
FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - ____	REVISED - ____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CABLE TERMINATION NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - ____	REVISED - ____			74	D4 ITS 2017	KNOX-PEORIA	28	26	
		CHECKED - ____	REVISED - ____			CONTRACT NO. 68D66					
		PLOT DATE = *DATE*	DATE - ____			REVISED - ____	NOT TO SCALE	STA. _____	TO STA. _____	ILLINOIS FED. AID PROJECT	

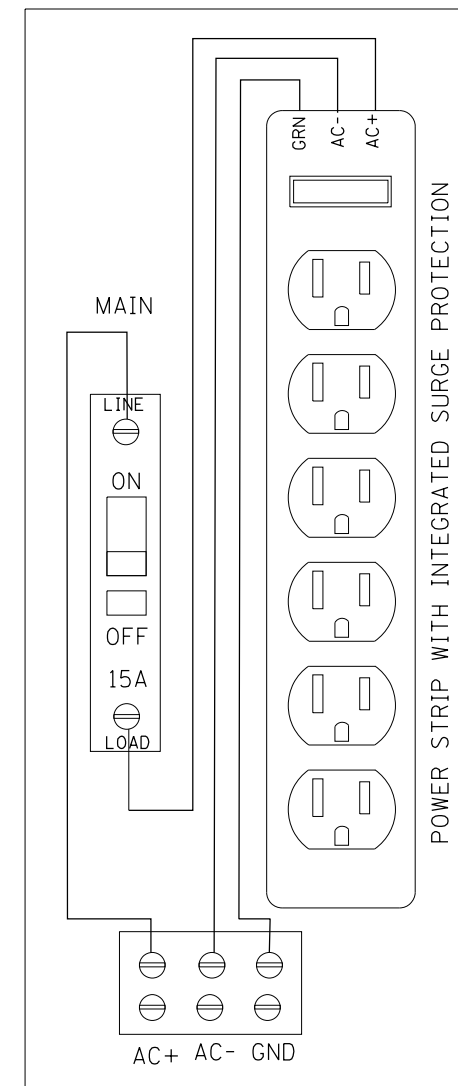
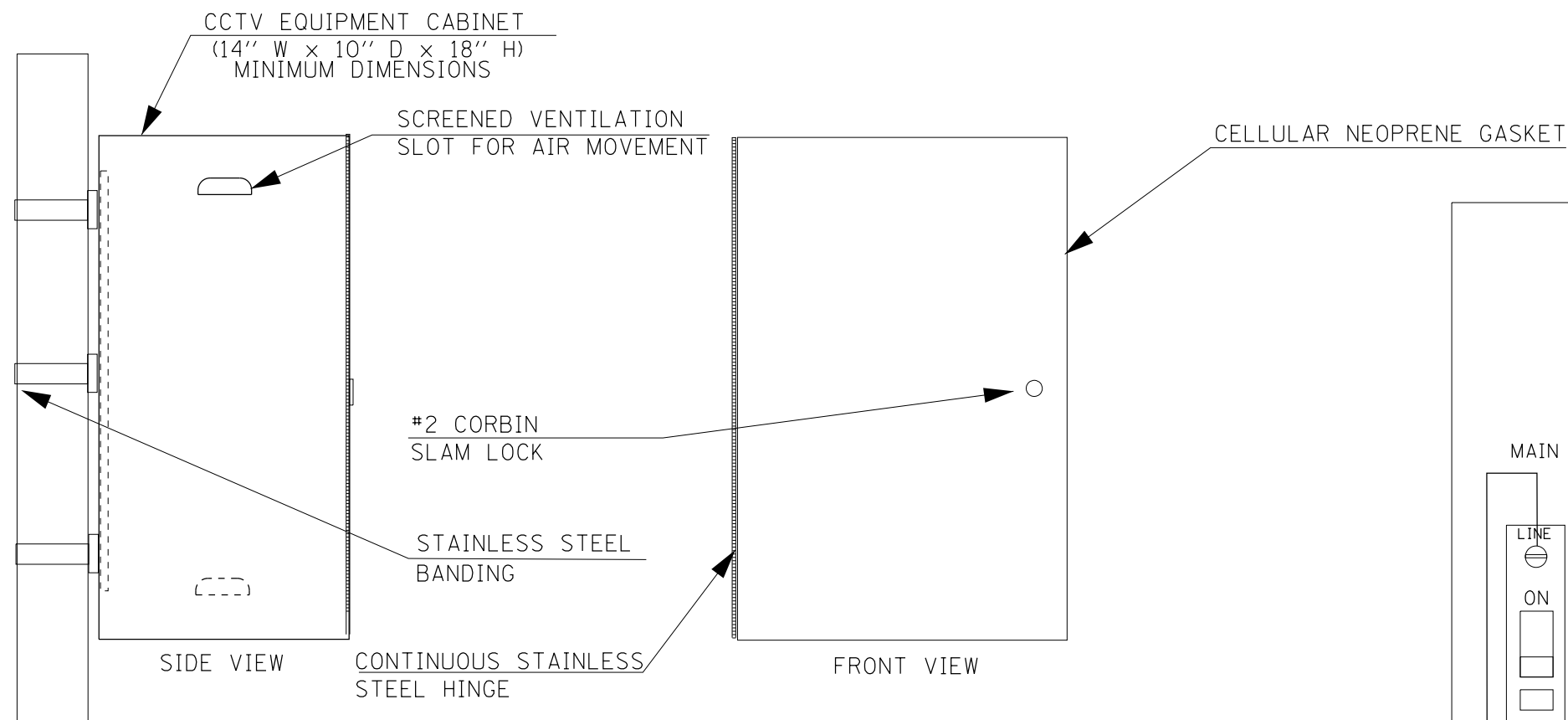


PROPOSED FIBER OPTIC TERMINATION AT SPOON RIVER EB REST AREA



PROPOSED FIBER OPTIC TERMINATION AT SPOON RIVER WB REST AREA

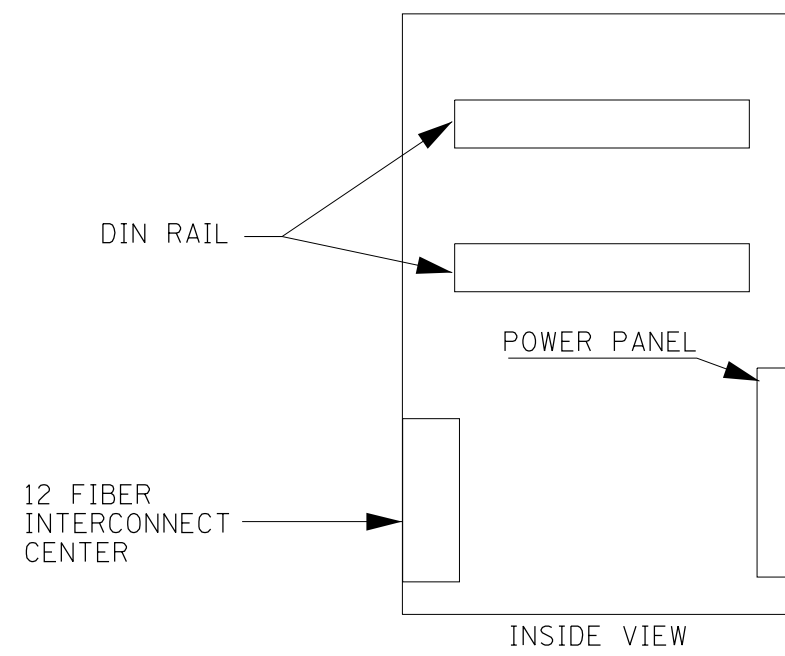




ITS EQUIPMENT CABINET POWER PANEL DETAIL
(TERMINAL STRIP TO BE EQUIPPED WITH PLEXI-GLASS SAFETY SHIELD)

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GALVANIZED STEEL BRACKETING AND HARDWARE REQUIRED FOR CABINET INSTALLATION ON THE PROPOSED CAMERA POLES

THE CONTRACTOR SHALL INSTALL THE PROPOSED BATTERY BACKUP SYSTEM INSIDE THE CCTV CABINET AND CONNECT IT TO THE ETHERNET SWITCH POWER



NOTES

1. THE ITS EQUIPMENT CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 20" (H) X 14" (W) X 10" (D) (NOMINAL). THE CABINET SHALL BE CONSTRUCTED FROM .125" THICK ALUMINUM AND HAVE A NATURAL FINISH.
2. THE CABINET SHALL BE EQUIPPED WITH A #2 CORBIN (OR SKELETON KEY) SLAM LOCK, AND ALL STAINLESS STEEL HARDWARE.

FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CLOSED CIRCUIT TELEVISION CABINET DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = *SCALE*	DRAWN - ___	REVISED - ___			74	D4 ITS 2017	KNOX-PEORIA	28	28	
	PLOT DATE = *DATE*	CHECKED - ___	REVISED - ___			CONTRACT NO. 68D66					
		DATE - ___	REVISED - ___			ILLINOIS FED. AID PROJECT					