

1. COVER SHEET
2. CONSTRUCTION NOTES
3. SUMMARY OF QUANTITIES
- 4.-87. FIBER INSTALLATION ALONG
I-74 FROM KNOXVILLE (EXIT 51)
TO PEORIA (EXIT 89)
88. BRIDGE CONDUIT BRACKET DETAIL
89. TRAFFIC CONTROL DETAIL

HIGHWAY STANDARDS

701001-02
701006-05
701011-04
701101-04
701106-02
701400-08
701406-09
701428
701901-04

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)

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: RANDY LANINGA (309) 671-4477

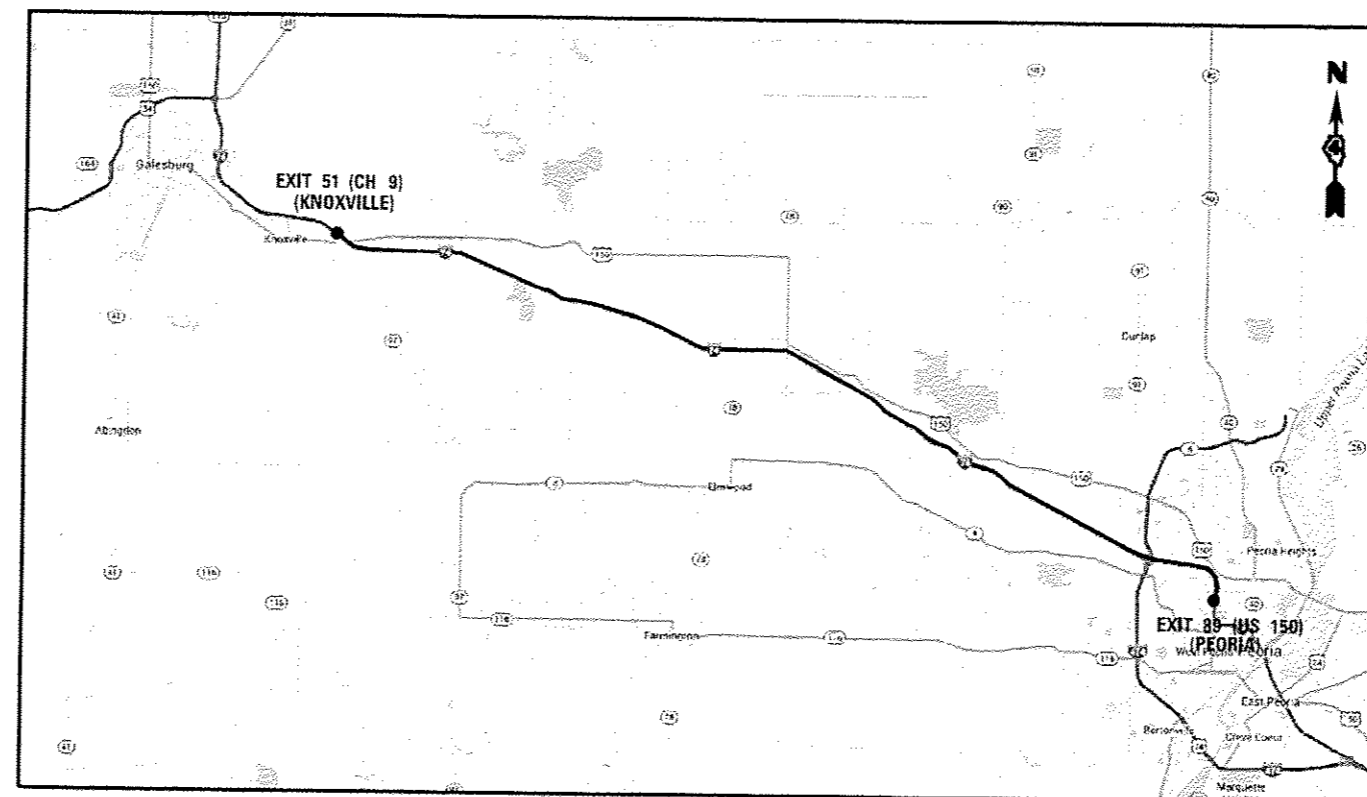
CONTRACT NO. 68C50
CATALOG NO. 035255-00D

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 74 (I-74)
SECTION D4 FIBER OPTIC 2015
KNOX-PEORIA COUNTIES

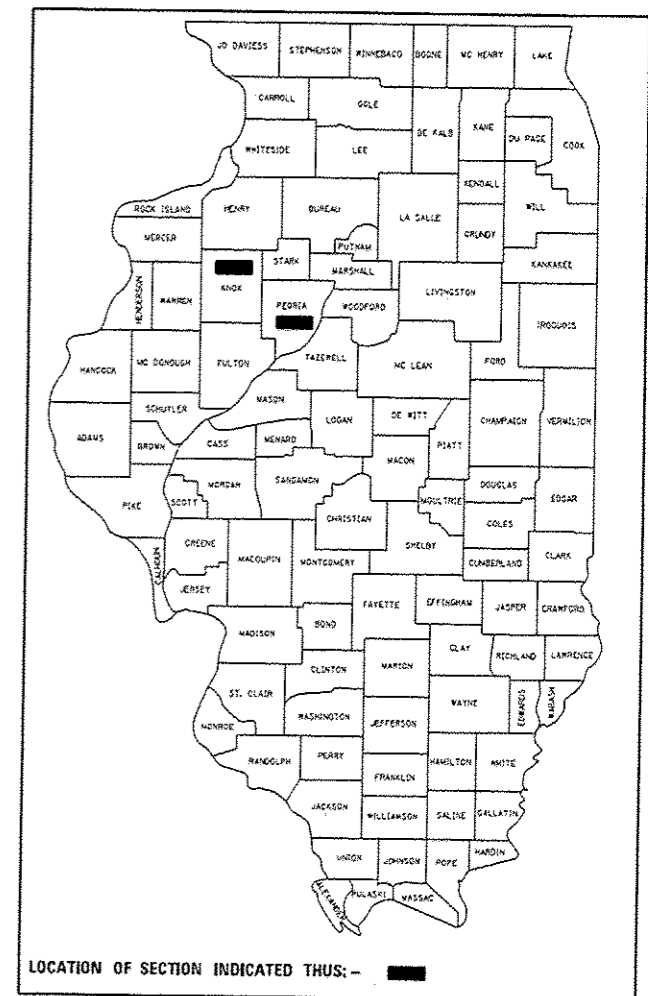
C-94-063-15



GROSS LENGTH = 205701 FT. = 38.96 MILE
NET LENGTH = 205701.0 FT. = 38.96 MILE

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	1
ILLINOIS		CONTRACT NO. 68C50		

D-94-031-15



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED March 27, 2015
Renail A. Barnett
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 8, 2015
John D. Baranzola PE
ENGINEER OF DESIGN AND ENVIRONMENT
May 8, 2015
Chris Osman PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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 AND TERRAIN 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.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
5.	THE COMMUNICATION VAULT SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE. COMMUNICATION VAULTS SHALL BE INSTALLED AT 4000 FEET MINIMUM
6.	THE CONTRACTOR WILL BE ALLOWED TO INCREASE THE DISTANCE BETWEEN COMMUNICATION VAULTS AS NEEDED TO OPTIMIZE INSTALLATION AND TO MAKE ADJUSTMENTS FOR COMMUNICATION DUCT AND FIBER OPTIC CABLE REEL SIZES. THE CONTRACTOR SHALL SUBMIT ALL PROPOSED CHANGES TO THE DEPARTMENT FOR REVIEW PRIOR TO ORDERING MATERIALS.
7.	AFTER INSTALLING THE FIRST THREE MILES OF COMMUNICATIONS DUCT ALONG WITH COMMUNICATION VAULTS, THE CONTRACTOR SHALL CONDUCT A TEST TO DEMONSTRATE TO THE DEPARTMENT THAT THE PROPOSED COMMUNICATION VAULT SPACING IS OPTIMAL FOR EFFICIENT FIBER INSTALLATION. AS PART OF THE TEST, THE CONTRACTOR SHALL INSTALL FIBER OPTIC CABLE IN THE MICRODUCT ALONG THE ENTIRE THREE MILE DUCT LENGTH. IN THE EVENT THAT THE TEST IS UNSUCCESSFUL, THE CONTRACTOR CAN ADJUST COMMUNICATION VAULT SPACING AS REQUIRED FOR FIBER INSTALLATION.
8.	THE CONTRACTOR SHALL SUBMIT A FIBER SPLICING PLAN TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLING COMMUNICATIONS DUCT AND FIBER.
9.	FIBER OPTIC CABLE SHALL BE SPLICED TO CREATE A CONTINUOUS LINK THROUGH THE ENTIRE PROJECT LIMITS. ALL FIBERS WITHIN THE CABLE SHALL BE FUSION SPLICED AND ALL SPLICES SHALL BE PROTECTED BY A WEATHERPROOF SPLICE ENCLOSURE. SPLICES SHALL BE MADE ONLY IN COMMUNICATION VAULTS.
10.	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 THE COMMUNICATION VAULTS. THE COST OF FURNISHING AND INSTALLING THE TRACER WIRE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE PAY ITEM "FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE". AT THE CONTRACTOR'S OPTION, THE CONTRATOR MAY ELECT TO UTILIZE COMMUNICATION DUCT THAT CONTAINS AN INTEGRATED WIRE THAT CAN BE USED FOR UNDERGROUND LOCATING PURPOSES.
11.	ALL COMMUNICATIONS DUCT SHALL BE INSTALLED IN AND WILL BE PAID FOR IN ACCORDANCE WITH SECTION 810 "UNDERGROUND RACEWAYS" OF THE STANDARD SPECIFICATIONS.
12.	THE LOCATION OF THE PROPOSED CONDUIT AS SHOWN ON THE PLAN SHEETS IS APPROXIMATE AND NOT DRAWN TO SCALE. CONDUIT INSTALLED ALONG THE INTERSTATE AND 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 36" MINIMUM DEPTH EXCEPT WHEN CROSSING WATERWAYS AND DRAINAGE FLOW LINES WHERE IT SHALL BE INSTALLED AT A 60"
13.	THE COST OF ROCK EXCAVATION, ROCK DISPOSAL, AND THE COST OF INSTALLING CONDUIT THROUGH ROCKY TERRAIN (TRENCHING, BORING, SAW-CUTTING, AND OTHER INSTALLATION METHODS AS REQUIRED) SHALL BE INCLUDED IN THE PAY ITEM "UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS". THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.
14.	THE PLAN SHEETS IDENTIFY AREAS WHERE COMMUNICATION DUCT WILL NEED TO BE DIRECTIONALLY BORED UNDER ROADWAYS, RAMPS, AND STRUCTURES. THE DEPARTMENT HAS ATTEMPTED TO IDENTIFY THESE AREAS AS ACCURATELY AS POSSIBLE BY UTILIZING ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL FIELD CONDITIONS PRIOR TO BIDDING. THIS INFORMATION HAS BEEN PROVIDED FOR REFERENCE ONLY AND THERE WILL BE NO ADDITIONAL COMPENSATION FOR ERRORS OR OMISSIONS.
15.	POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE COMMUNICATION DUCT PAY ITEM.
16.	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 COMMUNICATION DUCT PAY
17.	NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN THE REQUIRED MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
18.	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 BID PRICE FOR THE COMMUNICATIONS DUCT.
19.	THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED TO ATTACH THE CONDUITS AND JUNCTION BOXES TO THE STRUCTURE, INCLUDING, BUT NOT LIMITED TO UNI-STRUT, BRACKETS, SEAL-TITE, LBS, FITTINGS, HARDWARE, AND OTHER MISCELLANEOUS ITEMS. THESE ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT ATTACHED TO STRUCTURE PAY ITEM.
20.	CONDUIT ATTACHMENT BRACKETS SHALL BE INSTALLED AT 8 FT. SPACINGS (MAXIMUM) ON STRUCTURES.
21.	THE CONTRACTOR SHALL FURNISH AND INSTALL EXPANSION/DEFLECTION COUPLINGS (OR OTHER EQUIPMENT AND METHODS AS APPROVED BY THE ENGINEER) FOR ALL BRIDGE JOINTS AS REQUIRED AND DIRECTED BY THE ENGINEER.
22.	THE CONTRACTOR SHALL SUBMIT A COMPLETE PACKAGE (INCLUDING CONDUIT BRACKETS, HARDWARE, ATTACHMENT POINTS, ATTACHMENT METHODS, ETC.) TO THE DEPARTMENT FOR REVIEW AND SUBSEQUENT APPROVAL PRIOR TO COMMENCING
23.	ALL SEAL-TITE CONDUIT SHALL BE NON-METALLIC AND SHALL INCLUDE CONNECTORS WITH INTEGRAL STAINLESS STEEL KELLUM GRIPS AT THE ENDS FOR INCREASED STRENGTH AND DURABILITY.
24.	ALL CONDUIT ATTACHMENT BRACKETS SHALL BE FULLY GALVANIZED AND ALL HARDWARE SHALL BE EITHER GALVANIZED OR STAINLESS STEEL.
25.	THE CONTRACTOR SHALL INSTALL THREAD LOCKER ON ALL ATTACHED CONDUIT THREADED CONNECTIONS TO PREVENT LOOSENING THROUGH VIBRATION.
26.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING FIELD TILE, UNDERDRAIN, AND DRAINAGE STRUCTURE LOCATIONS. 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 TO RESTORE FUCTIONALITY TO THE SATISFACTION OF THE ENGINEER.
27.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MOWING, BRUSH AND SHRUB REMOVAL, AND SMALL TREE (10" DIAMETER OR LESS) REMOVAL REQUIRED TO INSTALL THE PROPOSED CONDUIT AND COMMUNICATION VAULTS. THE CONTRACTOR SHALL DISPOSE OF ALL REMOVED ITEMS OFF OF THE JOB SITE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICES FOR THE COMMUNICATION DUCT PAY ITEM.
28.	THE CONTRACTOR SHALL PLAN AND CONDUCT CONDUIT AND FIBER INSTALLATION OPERATIONS TO MINIMIZE THE NUMBER OF INTERSTATE AND ROAD LANE CLOSURES AND TO MINIMIZE TRAFFIC DISRUPTIONS AND DELAYS FOR THE MOTORING PUBLIC.
29.	THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR INSTALLING COMMUNICATIONS DUCT AND COMMUNICATION VAULTS UNDER AND ALONG COUNTY AND TOWNSHIP ROADWAYS.
30.	THE CONTRACTOR MAY ELECT TO INSTALL COMMUNICATIONS DUCTS BY DIRECTIONALLY BORING CONDUIT UNDER BRIDGES AND WATERWAYS IN LEIU OF ATTACHING CONDUIT TO STRUCTURES. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER FOR APPROVAL PRIOR TO COMMENCING DUCT INSTALLATION.

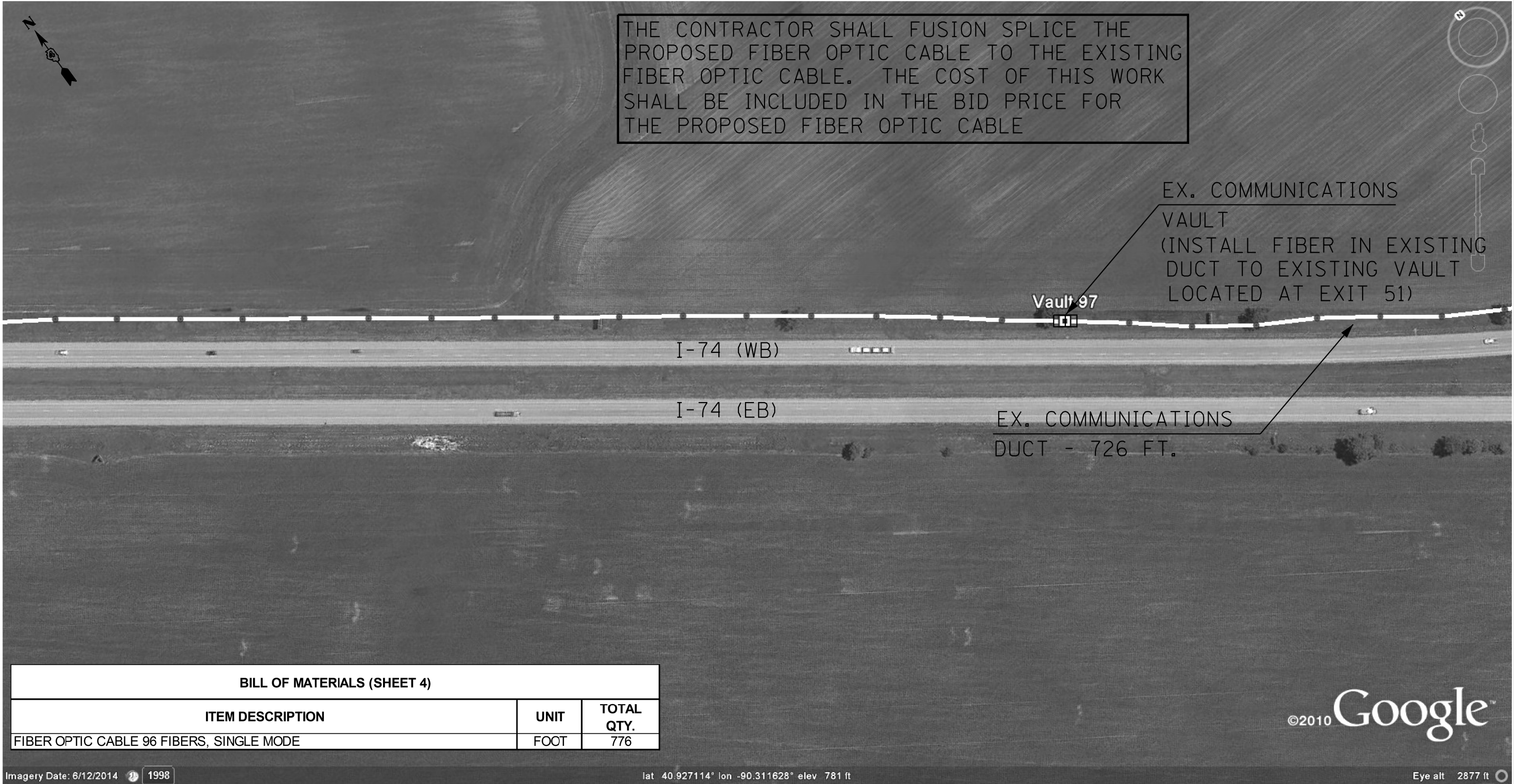
COMMITMENTS: THERE ARE NO COMMITMENTS MADE IN CONJUNCTION WITH THIS PROJECT.

LEGEND	
----	UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS
-----	UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS (PUSHED UNDER ROADWAYS, STRUCTURES, ETC.)
---	3" GALVANIZED STEEL CONDUIT ATTACHED TO STRUCTURE
⊗	24" X 24" X 10" STAINLESS STEEL JUNCTION BOX ATTACHED TO STRUCTURE
■	COMMUNICATIONS VAULT

FILE NAME :	USER NAME : aubreyga	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS AND CONSTRUCTION NOTES	F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	2
PLOT SCALE = 1/60,000" = 1" / in.		CHECKED -	REVISED -			CONTRACT NO. 68C50				
PLOT DATE = 3/27/2015		DATE -	REVISED -			NOT TO SCALE	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				KNOX COUNTY	PEORIA COUNTY	
				CONST. TYPE CODE 0021 (100% STATE BROADBAND FIBER PROGRAM FUNDS) RURAL	CONST. TYPE CODE 0021 (100% STATE BROADBAND FIBER PROGRAM FUNDS) RURAL	CONST. TYPE CODE 0021 (100% STATE BROADBAND FIBER PROGRAM FUNDS) URBAN
CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.			
67100100	MOBILIZATION	L SUM	1.0	0.45	0.44	0.11
81100800	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL	FOOT	1205.0	560.0	645.0	
81300948	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	12.0	6.0	6.0	
X7010600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406, SPECIAL	L SUM	1.0	0.45	0.44	0.11
X8101100	UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	205701.0	93401.0	89090.0	23210.0
X8710035	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	212757.0	98827.0	90300.0	23630.0
Z0033052	COMMUNICATIONS VAULT	EACH	55.0	23.0	24.0	8.0

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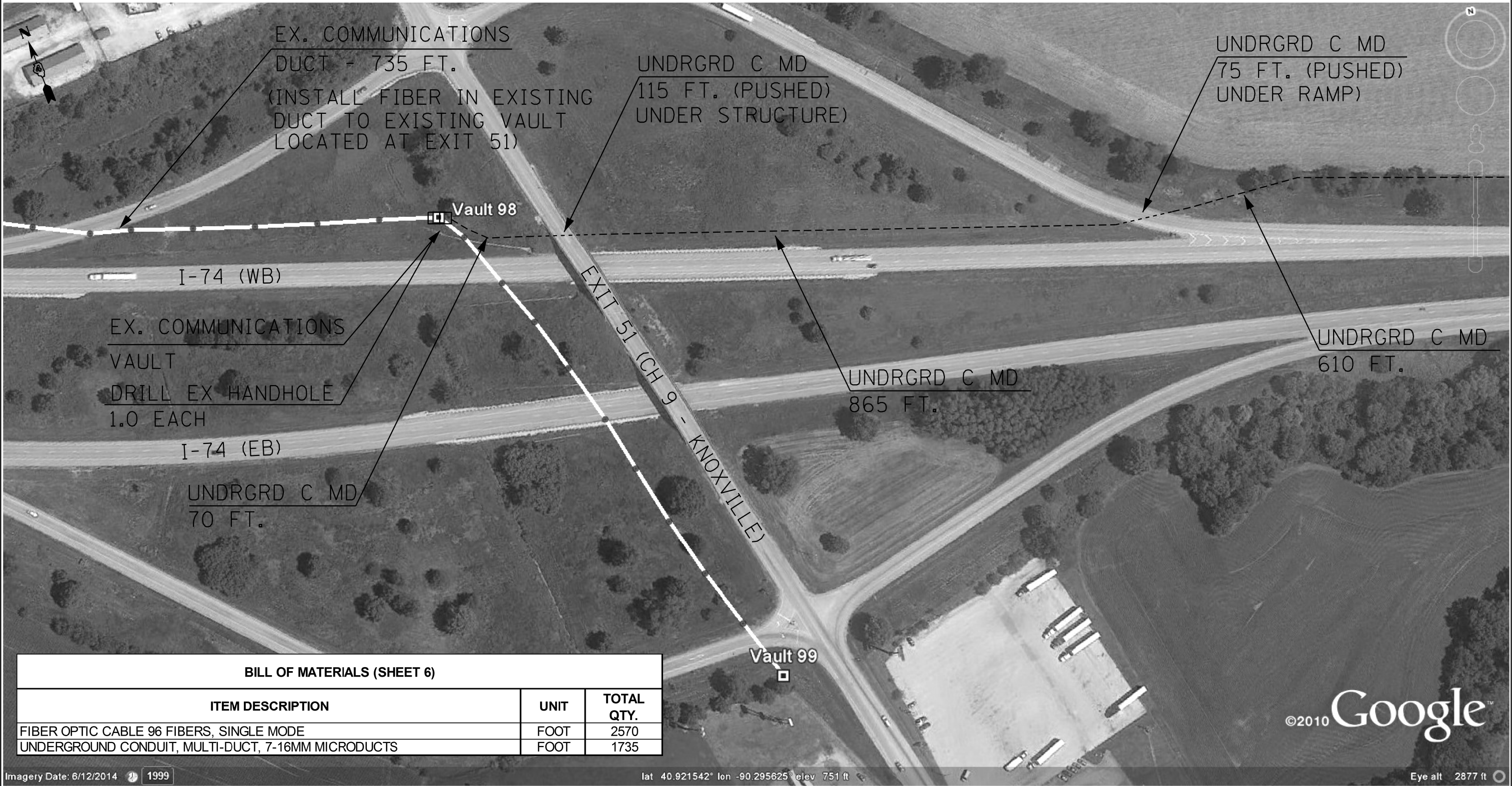
BILL OF MATERIALS (SHEET 4)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	776

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	04 FIBER OPTIC 2015	KNOX-PEORIA	89	4
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						NOT TO SCALE	STA.	TO STA.		



BILL OF MATERIALS (SHEET 5)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2605

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	5
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						NOT TO SCALE		STA.	TO STA.	



BILL OF MATERIALS (SHEET 6)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2570
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	1735

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	6
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						NOT TO SCALE		STA. TO STA.		



BILL OF MATERIALS (SHEET 7)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2585
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2535

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	7
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					NOT TO SCALE	STA.	TO STA.			



BILL OF MATERIALS (SHEET 8)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2525
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2525

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	8
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						NOT TO SCALE	STA.	TO STA.		



BILL OF MATERIALS (SHEET 9)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL	FOOT	100
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	2
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2608
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2538

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED					F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	9					
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -		CONTRACT NO. 68C50									
	PLOT DATE = 3/27/2015	DATE -	REVISED -			NOT TO SCALE	STA.	TO STA.						
								ILLINOIS FED. AID PROJECT						



BILL OF MATERIALS (SHEET 10)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2560
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2560

Imagery Date: 6/12/2014 1999

lat 40.917861° lon -90.260859° elev 748 ft

Eye alt 2877 ft

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn PLOT SCALE = 160.5998 ' / in. PLOT DATE = 3/27/2015	USER NAME = eubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	74			D4 FIBER OPTIC 2015	KNOX-PEORIA	89	10	
	CHECKED -	REVISED -	CONTRACT NO. 68C50							
	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
			NOT TO SCALE			STA. TO STA.				



BILL OF MATERIALS (SHEET 11)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2580
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2530

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = eubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	11
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						NOT TO SCALE	STA.	TO STA.		



BILL OF MATERIALS (SHEET 12)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2585
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2535

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -
68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn		DRAWN -	REVISED -
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/27/2015	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED			
	NOT TO SCALE	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	12
CONTRACT NO. 68C50				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS (SHEET 13)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2540
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2540

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	13
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
							NOT TO SCALE	STA.	TO STA.	



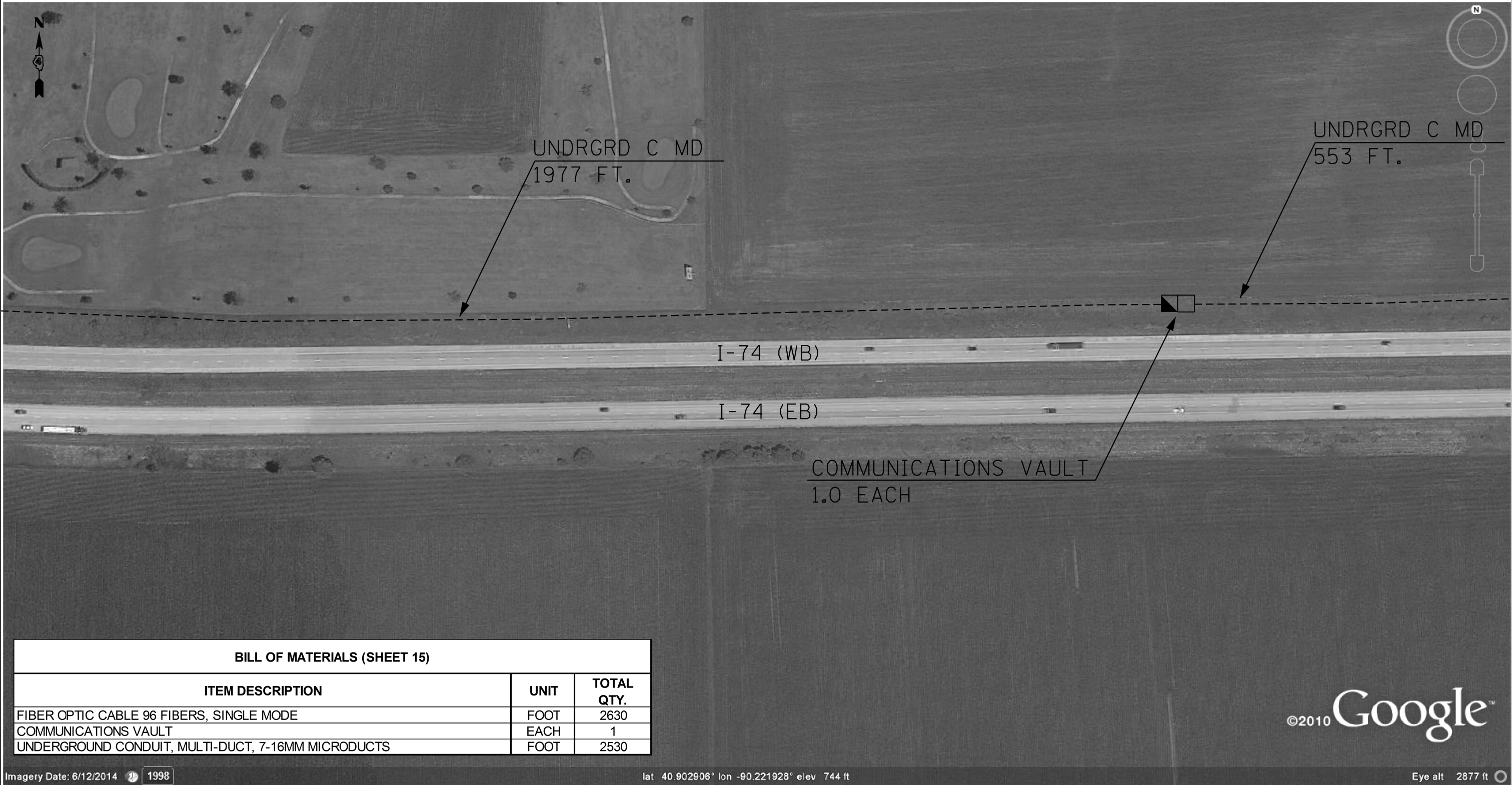
BILL OF MATERIALS (SHEET 14)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2637
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2587

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -
68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn		DRAWN -	REVISED -
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/27/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CONDUIT AND CABLE PROJECT	
I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	
NOT TO SCALE	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	14
CONTRACT NO. 68C50				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS (SHEET 15)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2630
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2530

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	15
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						NOT TO SCALE	STA.	TO STA.		



BILL OF MATERIALS (SHEET 16)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2530
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2530

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -
68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn		DRAWN -	REVISED -
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/27/2015	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT	
	I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	

NOT TO SCALE		STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	16
CONTRACT NO. 68C50				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS (SHEET 17)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2578
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2528

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	17	
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50					
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						NOT TO SCALE		STA. TO STA.			



BILL OF MATERIALS (SHEET 18)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2523
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2523

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = eubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	18
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					NOT TO SCALE	STA.	TO STA.			



BILL OF MATERIALS (SHEET 19)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2523
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2523



BILL OF MATERIALS (SHEET 20)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2580
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2530





BILL OF MATERIALS (SHEET 21)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2526
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2526

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreyggs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	21
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						NOT TO SCALE		STA. TO STA.		



BILL OF MATERIALS (SHEET 22)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2589
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2539

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreyggs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	22
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					NOT TO SCALE	STA.	TO STA.			



BILL OF MATERIALS (SHEET 23)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2578
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2528

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -	<div>STATE OF ILLINOIS</div> <div>DEPARTMENT OF TRANSPORTATION</div>	FIBER OPTIC CONDUIT AND CABLE PROJECT			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	DRAWN -	REVISED -	74					D4 FIBER OPTIC 2015	KNOX-PEORIA	89	23	
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -		CONTRACT NO. 68C50							
	PLOT DATE = 3/27/2015	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
					NOT TO SCALE		STA.	TO STA.				



BILL OF MATERIALS (SHEET 24)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2531
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2531

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 160,5998 ' / in.	DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	24
	PLOT DATE = 3/27/2015	CHECKED -	REVISED -			CONTRACT NO. 68C50				
		DATE -	REVISED -				NOT TO SCALE	STA.	TO STA.	



BILL OF MATERIALS (SHEET 25)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2576
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2526

FILE NAME =	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	DRAWN -	REVISED -	74			D4 FIBER OPTIC 2015	KNOX-PEORIA	89	25	
PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -	CONTRACT NO. 68C50							
PLOT DATE = 3/27/2015	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
			NOT TO SCALE			STA.	TO STA.			



BILL OF MATERIALS (SHEET 26)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2572
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2522

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	26
	PLOT SCALE = 160,5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						NOT TO SCALE	STA.	TO STA.		



FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	27
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
							NOT TO SCALE	STA.	TO STA.	



BILL OF MATERIALS (SHEET 28)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2571
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2521

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	28
	PLOT SCALE = 160,5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					NOT TO SCALE	STA.	TO STA.			

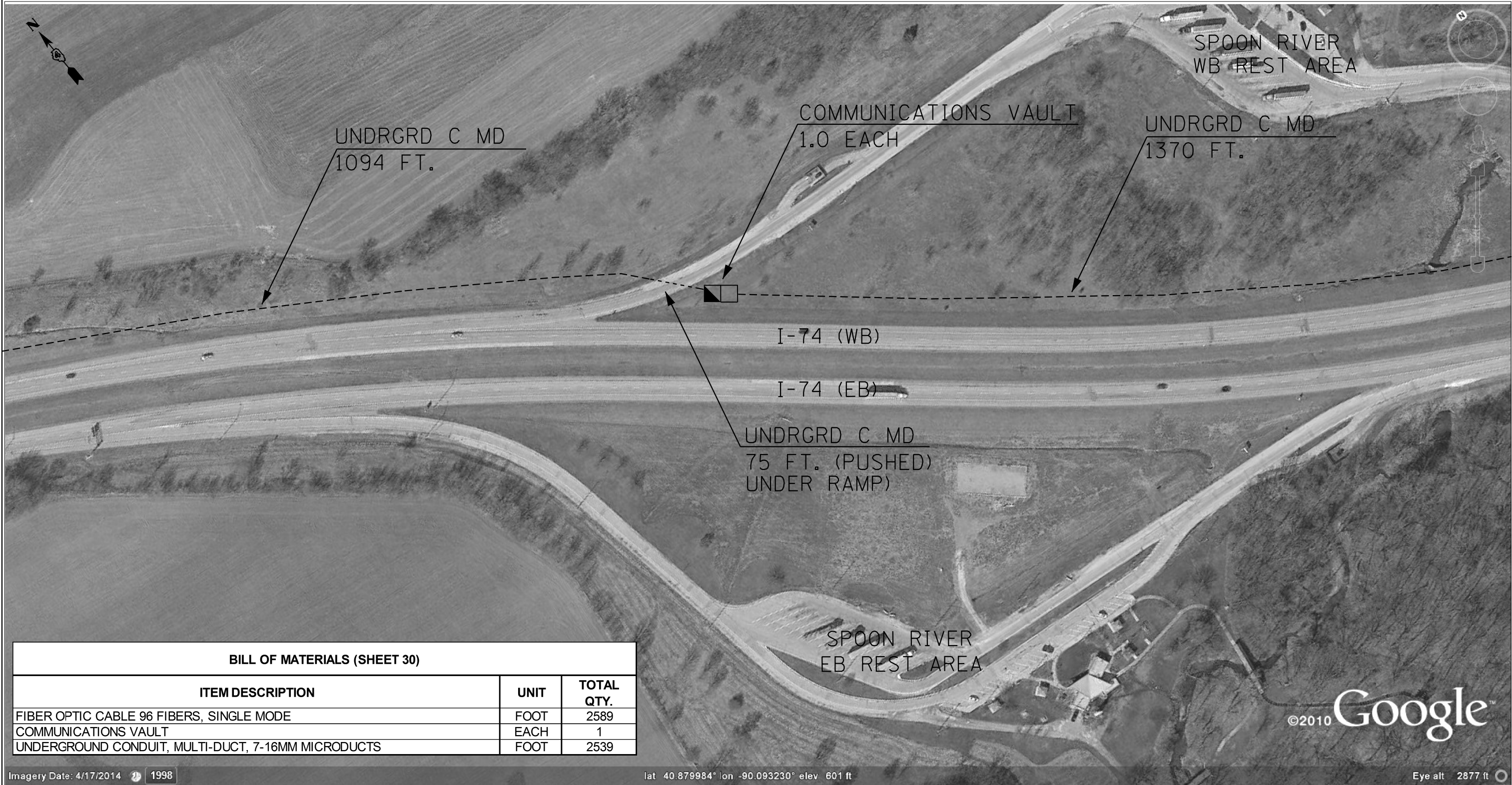


FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn		DRAWN -	REVISED -
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/27/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CONDUIT AND CABLE PROJECT
I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED
NOT TO SCALE
STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	29
CONTRACT NO. 68C50				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS (SHEET 30)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2589
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2539

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	30
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				NOT TO SCALE		STA.		TO STA.		



BILL OF MATERIALS (SHEET 31)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2531
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2531

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	31
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						NOT TO SCALE		STA.	TO STA.	



BILL OF MATERIALS (SHEET 32)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2592
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2542

Imagery Date: 4/17/2014 1998

lat 40.876377° lon -90.075615° elev 687 ft

Eye alt 2877 ft

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	74			D4 FIBER OPTIC 2015	KNOX-PEORIA	89	32	
	PLOT SCALE = 160.5998' / in.	CHECKED -	CONTRACT NO. 68C50							
	PLOT DATE = 3/27/2015	DATE -	ILLINOIS FED. AID PROJECT							
					NOT TO SCALE	STA.	TO STA.			



BILL OF MATERIALS (SHEET 33)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2556
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2506

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	33
	PLOT DATE = 3/27/2015	DATE -	REVISED -			CONTRACT NO. 68C50				
	ILLINOIS FED. AID PROJECT									
						NOT TO SCALE	STA.	TO STA.		



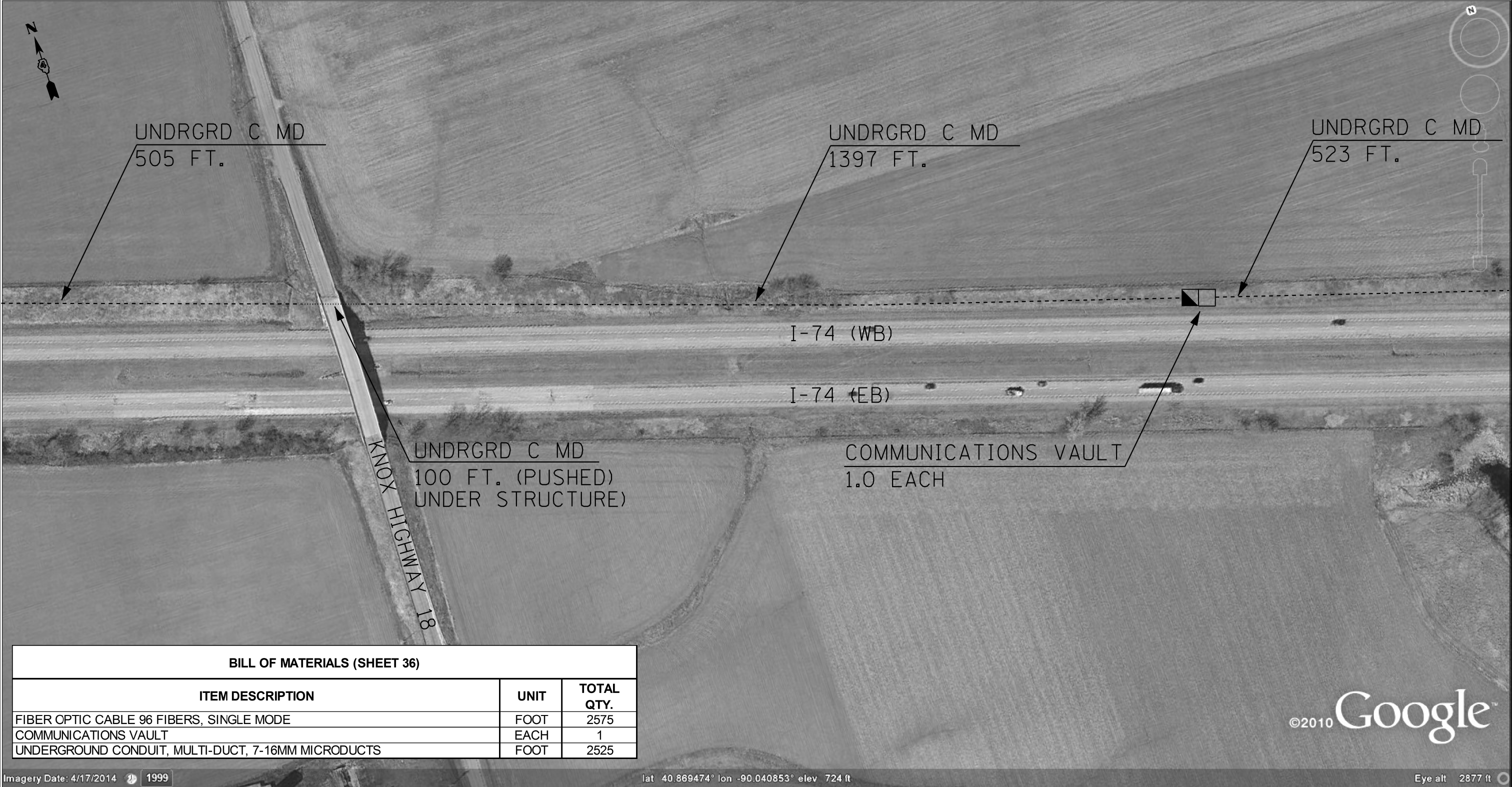
BILL OF MATERIALS (SHEET 34)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2527
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2527

Imagery Date: 4/17/2014 1999

lat 40.873466° lon -90.057948° elev 691 ft

Eye alt 2877 ft

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	34
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
							NOT TO SCALE	STA.	TO STA.	



BILL OF MATERIALS (SHEET 36)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2575
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2525

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/27/2015	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	

FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED		
	NOT TO SCALE	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	36
CONTRACT NO. 68C50				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS (SHEET 37)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2532
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2532

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE. 74	SECTION D4 FIBER OPTIC 2015	COUNTY KNOX-PEORIA	TOTAL SHEETS 89	SHEET NO. 37
		DRAWN -	REVISED -							
		CHECKED -	REVISED -							
		DATE -	REVISED -							
					NOT TO SCALE	STA.	TO STA.	CONTRACT NO. 68C50		
								ILLINOIS	FED. AID PROJECT	



BILL OF MATERIALS (SHEET 38)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2577
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2527

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	38
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
							NOT TO SCALE	STA.	TO STA.	



BILL OF MATERIALS (SHEET 39)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2574
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2524

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	74			D4 FIBER OPTIC 2015	KNOX-PEORIA	89	39	
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	CONTRACT NO. 68C50							
	PLOT DATE = 3/27/2015	DATE -	ILLINOIS FED. AID PROJECT							
					NOT TO SCALE	STA.	TO STA.			



BILL OF MATERIALS (SHEET 40)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL	FOOT	115
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	2
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2540
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2520



BILL OF MATERIALS (SHEET 41)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2570
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2520

FILE NAME : 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME : aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	NOT TO SCALE	STA.	TO STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	41
		PLOT SCALE = 160.5998' / 1" =	CHECKED -						CONTRACT NO. 68C50				
		PLOT DATE = 3/27/2015	DATE -						ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS (SHEET 42)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2534
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2534

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	42
	PLOT SCALE = 160.5998' / in.	CHECKED -	REVISED -			CONTRACT NO. 68C50				
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					NOT TO SCALE	STA.	TO STA.			



BILL OF MATERIALS (SHEET 43)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2599
COMMUNICATIONS VAULT	EACH	1
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2549

FILE NAME = 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 160.5998 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/27/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CONDUIT AND CABLE PROJECT
I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 FIBER OPTIC 2015	KNOX-PEORIA	89	43
CONTRACT NO. 68C50				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE STA. TO STA.



BILL OF MATERIALS (SHEET 45)		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2526
UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	2526

FILE NAME : 68C50 - I-74 Fiber Project (Peoria to Knoxville) - Final 3-27-15.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC CONDUIT AND CABLE PROJECT I-74 (FROM KNOXVILLE TO PEORIA) CONTINUED	F.A.I. RTE. 74	SECTION D4 FIBER OPTIC 2015	COUNTY KNOX-PEORIA	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 160.5998' / in.	DRAWN -	REVISED -						89	45
	PLOT DATE = 3/27/2015	CHECKED -	REVISED -			CONTRACT NO. 68C50				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					NOT TO SCALE	STA.	TO STA.			