

**SCOPE OF WORK DETAIL:** Refer to all attachments in ORCA for specific requirements.  
**Specific Requirements:** Reach info: Bill Coday 816-803-4924 [wc7681@att.com](mailto:wc7681@att.com). Please update via email with what is placed and upon finishing project. All work to be done as shown on work prints unless otherwise noted here in scope of work detail. Final walk through or pics required for final billing. All changes must be pre-approved prior to work being done (Codes and Cost w/ email approval from LCE).

**Project Number: A05AF55**

<b>Project Name:</b>	RTE 4 BBF LEES SUMMIT EE4160
<b>Estimated In-Service Date:</b>	
<b>Project Description:</b>	ADD-BUS-FDR-EE4160-ROUTE4; PLACE BACKBONE BBF* RTE 4
<b>Mod Code:</b>	F1FPC 100%
<b>GEO LOC:</b>	EE4160
<b>FRC:</b>	845C, 85C
<b>Project Notes:</b>	<p>NATURE OF NECESSITY: PROVIDE SECTION RELIEF FOR EXCHANGE FIBERS IN ROUTE 4 IN THE KSCYMO41 (LEE'S SUMMIT) WIRE CENTER.    PLACEMENT WILL REQUIRE MODOT PERMITS.</p> <p>WHAT:    THIS PROJECT PLACES APPROXIMATELY 8040' UNDERGROUND 864F FIBER    6200' BURIED 432F WITH INNERDUCT.    BONDING, GROUNDS, AND OTHER EXEMPT MATERIAL.</p> <p>ENERGIZE L2016, 1-864 IN CO VAULT FROM NEW TAILS FROM CO PANEL PROJECT A05AF6K.</p> <p>L2016, 1-864 WILL GO FROM THE CO THROUGH MH 1 8040' TO MH 20.    FROM MH 20, PLACE BURIED 432F NORTH ON NW WARD 6200' TO HH FID 15636308.</p> <p>FROM HH FID 15636308, PLACE APPROX 4100' OF 288F TO HH FID 15643857 (HH THAT FEEDS INTO 777 NW BLUE PKWY).</p> <p>FROM MH 20, ENERGIZE L2016, 289-576 INTO THE 432F FID 16127558 THAT HAS 390 ALPHA COUNT STRANDS THAT CAN BE USED TO PUSH NEW CABLE STRANDS TO THE WEST TO MH 36 FID 15644330.</p> <p>IN MH 22 FID 15642999, L2016, 553-576 WILL BE RESERVED FOR UPCOMING IFP JOB TO OVERBUILD DA 4127 THAT IS ON THE NOVEMBER 2026 IFP BUILD.</p> <p>SEE ATTACHED FAP SHEET FOR MORE DETAILED INFORMATION.</p> <p>SECTION 4001 UNDERGROUND FROM CO TO MH 20.    SECTIONS 4002, 4003, 4004, 4005 (ENERGIZE NEW STRANDS INTO EXISTING CABLE).    SECTION 4101 FROM MH 20 TO HH FID 15636308.    SECTION 4102 FROM HH FID 15636308 TO HH FID 15643857.</p> <p>SEE PROJECT A05AF6K FOR CO PANELS    SEE SUPPORTING DOCUMENTS FOR SLACK LOOPS AND FAP LOCATIONS.    SEE SUPPORTING DOCUMENTS FOR ROUTE    SEE SUPPORTING DOCUMENTS FOR ROUTE MAP    SEE SUPPORTING DOCUMENTS FOR FIBER SIZING WORKSHEET</p> <p>85C,845C/F1FPC</p> <p>WHERE: ROUTE 4 OF THE KSCYMO41 (LEE'S SUMMIT) WIRE CENTER    WORK LOCATION/ADDRESS: LEE'S SUMMIT MO WIRE CENTER    CITY/STATE: LEE'S SUMMIT MO    WC: KSCYMO41</p>

NPANNNX: 816524  
DA: NA  
FTTP (YES/NO) YES

WHY: TO PROVIDE SECTION RELIEF FOR ROUTE 4 IN THE KSCYMO41 (LEE'S SUMMIT) WIRE CENTER.

WHY THIS WAY: FIBERS ARE NEEDED IN ROUTE 4 TO ACCOMMODATE THE FIBER TO THE BUSINESS BUILD ALONG WITH ADDITIONAL IDP SOLD CASES ,GREENFIELD DEVELOPMENTS AND IFP OVERBUILDS. EXISTING ROUTE 4 FIBER IS IN EXHAUST. PRESENTLY RT 4 REQUIRES FIBER FOR THE IFP BUILD 2026 AND SECTIONS NEED TO BE RELIEVED FOR ALL ORDERS, IFP AND GREENFIELD BUILDS. CURRENT SECTIONS WILL NOT BE ABLE TO SUPPORT ADDITIONAL GROWTH. FIBER CABLES HAVE BEEN UPSIZED DUE TO CONSERVE CONDUIT DUCT SPACE, PLACEMENT COST, PLACEMENT TIME , HIGHWAY CROSSING AND PERMIT TIMES. ROUTE 4 CURRENTLY HAS INCLUDED 648 STRANDS, INCREASING BY 864 TO 1512 STRANDS WITH THIS PROJECT.

PER CLR 1.2 FIBER PLANNING AND SECTIONALIZATION. CURRENTLY,SECTIONS DO NOT HAVE ENOUGH CAPACITY OR REACH TO FULFILL FUTURE FORECAST OF ROUTE 4 FIBER SIZING SHEET ATTACHED. FRVT USED FOR FORECAST. A PATH INTO THE CO WILL BE MAINTAINED AFTER THIS PLACEMENT FOR FUTURE USE.

WHY NOW: SECTIONS IN ROUTE 4 OF THE LEE'S SUMMIT WIRE CENTER ARE APPROCHING CAPACITY AND FIBER IS NEEDED FOR THE FIBER TO THE BUSINESS, IDP ,GREENFIELD DEVELOPMENTS AND IFP OVERBUILDS THAT ARE COMING DUE IN 2026 AND BEYOND.