

From: Edward Kisiel [mailto:EKisiel@HNTB.com]
Sent: Thu 9/15/2011 4:47 PM
To: Ornette Gibson
Subject: FW: FTS Project #0000473: I-90 Bridge Related FO Cable Pole Transfers on Commercial & Canal Roads

From: Randy Fobell [mailto:rfobell@firstcomm.com]
Sent: Thursday, September 15, 2011 2:46 PM
To: bob@southshorecable.com
Cc: Dave Galuska; Dan Geib; rjstraka@firstenergycorp.com; radert@firstenergycorp.com; Edward Kisiel
Subject: FTS Project #0000473: I-90 Bridge Related FO Cable Pole Transfers on Commercial & Canal Roads

Bob –

Attached you will find a written Workscope and associated sketch that details several fiber optic cable transfers from old to new poles on Commercial and Canal Roads in the Cleveland flats. CEI informed us today that they have completed all of their field work on the new poles shown on the sketch and informed us that FTS can now complete the needed fiber cable transfers.

Since ODOT has this fiber cable work listed in their I-90 Bridge project schedule as “needing completion by 9/15/11”, please plan to have all of these fiber cable transfers completed by no later than Friday 9/23/11.

This work shall be completed during normal work day, week day hours, but please note that both of these cables are carrying live traffic. Excessive bending of these fiber optic cables should be avoided while completing the required work.

Please let me know in advance as to what day(s) you plan on completing this work.

Should you have any questions on the above information or on the attachments, please give me a call.

Thank you,

Randy Fobell
Project Engineer/Manager
Fiber Services Group
First Communications, Inc.
Ph: 330-835-2448
Fax: 330-835-2658

HORIZON SUBSTATION

MAINTAIN AT LEAST 18'-0" CLEARANCE ABOVE MINKON STREET

P# 327292
NO CHANGES

P# 327291
NO CHANGES

EXISTIN 2 FO CABLES

(EXISTING) MINKON ST.

P# 327290
(TO BE REMOVED)
• DETACH BOTH FIBER CABLES
• REMOVE EXISTING ATTACHMENT HARDWARE

RE-ROUTE BOTH EXISTING FIBER CABLES TO THIS PATH

ATTACH BOTH FIBER CABLES USING LIMITED TENSION DEAD-ENDS
ATTACH @ 27'-6" & 27'-0"

P# 505268
(TO BE RELOCATED)

ATTACH BOTH FIBER CABLES USING TANGENT BLOCKS
ATTACH @ 25'-6" & 25'-0"

P# 505269
(TO BE RELOCATED)

ATTACH BOTH FIBER CABLES USING TANGENT BLOCKS
ATTACH @ 25'-6" & 25'-0"

P# 315972
(TO BE RELOCATED)

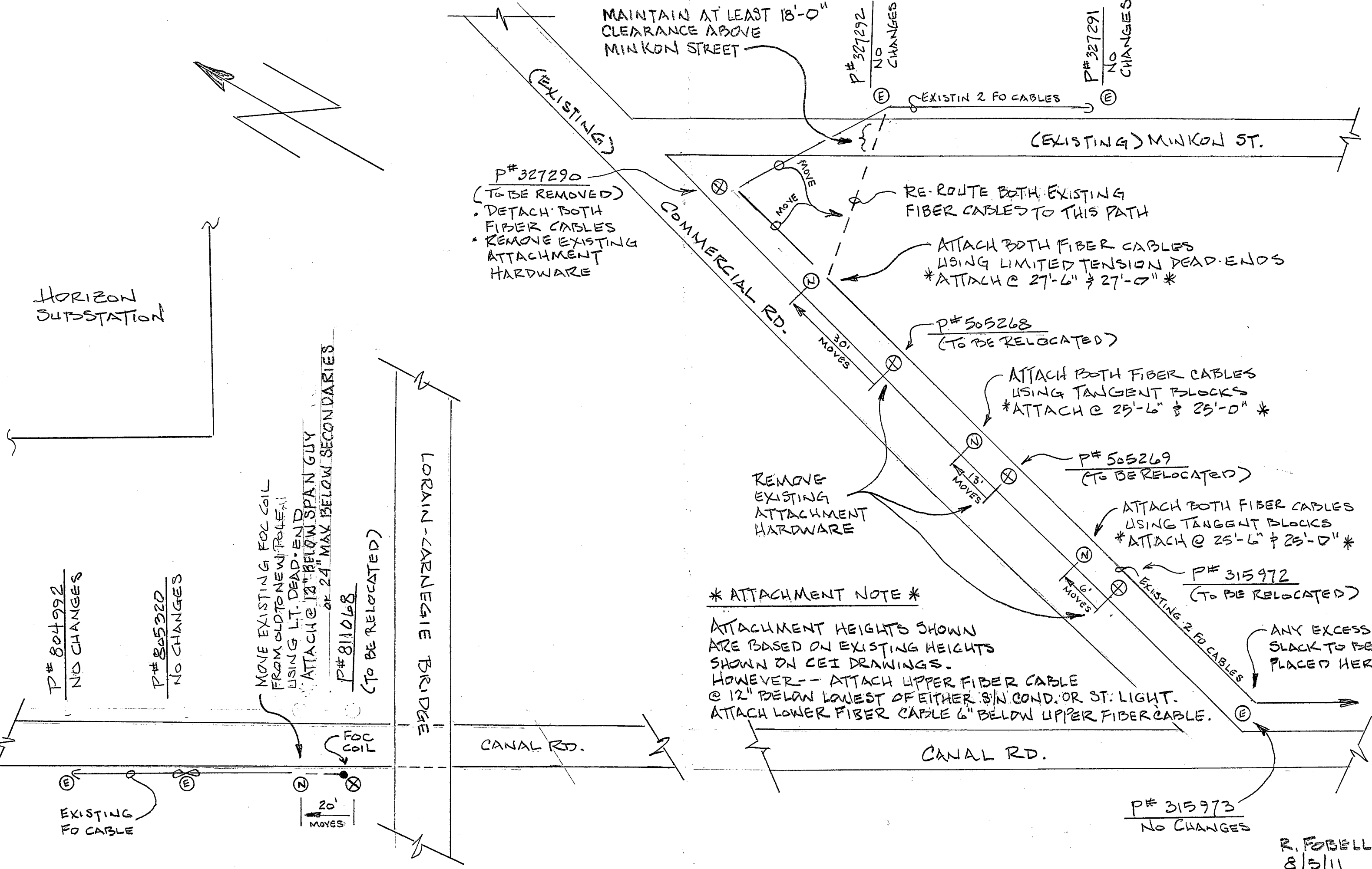
* ATTACHMENT NOTE *

ATTACHMENT HEIGHTS SHOWN ARE BASED ON EXISTING HEIGHTS SHOWN ON CEI DRAWINGS. HOWEVER -- ATTACH UPPER FIBER CABLE @ 12" BELOW LOWEST OF EITHER S/N COND. OR ST. LIGHT. ATTACH LOWER FIBER CABLE 6" BELOW UPPER FIBER CABLE.

ANY EXCESS SLACK TO BE PLACED HERE

P# 315973
NO CHANGES

R. FOELL
8/5/11



P# 804992
NO CHANGES

P# 805320
NO CHANGES

MOVE EXISTING FOC COIL FROM OLD TO NEW POLE USING L.T. DEAD-END ATTACH @ 12" BELOW SPAN GUY or 24" MAX BELOW SECONDARIES
P# 811068
(TO BE RELOCATED)

EXISTING FO CABLE

20' MOVES

LORAIN-CARNEGIE BRIDGE

CANAL RD.

CANAL RD.

COMMERCIAL RD.

**FTS PROJECT #0000473
PHASE #2
FIBER OPTIC CABLE TRANSFERS
on COMMERCIAL & CANAL RDS.
CLEVELAND, OHIO**

Background

The Ohio Department of Transportation (ODOT) is replacing the I-90 (Innerbelt) bridge located in Cleveland, Ohio. As a result of this highway improvement project, ODOT has requested The Illuminating Company (CEI) to redesign its pole lines located along Commercial (Existing) and Canal Roads. First Telecom Services (FTS) has two fiber optic cables located on the affected poles on Commercial Road and one dead-ended fiber optic cable on one of the affected poles on Canal Road.

Project Phase #2 Workscope

The attached sketch can be used as an aid in completing the fiber optic cable relocations described below. It should be noted that some poles identified on the sketch may not be "tagged" in the field.

1. **Commercial Road** (Between Minkon St & Canal Rd)
 - a. Detach both fiber optic cables from P# 327290 and reroute between existing pole P# 327292 on Minkon St and new pole #P505268 on Commercial Rd. Any excess slack in the two fiber optic cables should be placed in "bowtie" configuration at P# 315973 located at the SE corner of Commercial & Canal Roads.
The lower fiber optic cable shall be at least 18'-0" above Minkon Street at its lowest point above the street.
 - b. Transfer both fiber optic cables from old to new poles for P# 505268, 505269, and P# 315972

NOTE 1: All existing tangent block and dead-end attachments shall be completely removed from the old poles and properly discarded.

NOTE 2: Both fiber optic cables are carrying live traffic. Do Not micro bend either fiber optic cable during the transfer from old poles to new poles.

2. **Canal Road** (Across from entrance to Horizon Substation)
 - a. At P# 811068, the FTS fiber optic cable coil and dead-end shall be transferred from the old to the new pole.
3. The fiber optic cable diameter is approximately 0.85 inches. Limited Tension Dead-ends to be used are PLP# 2872013-C1E1 and tangent blocks to be used are PLP# 44009963.
4. This Workscope should be completed by no later than 9/23/11.

RCF 9/15/11