

NOTES:

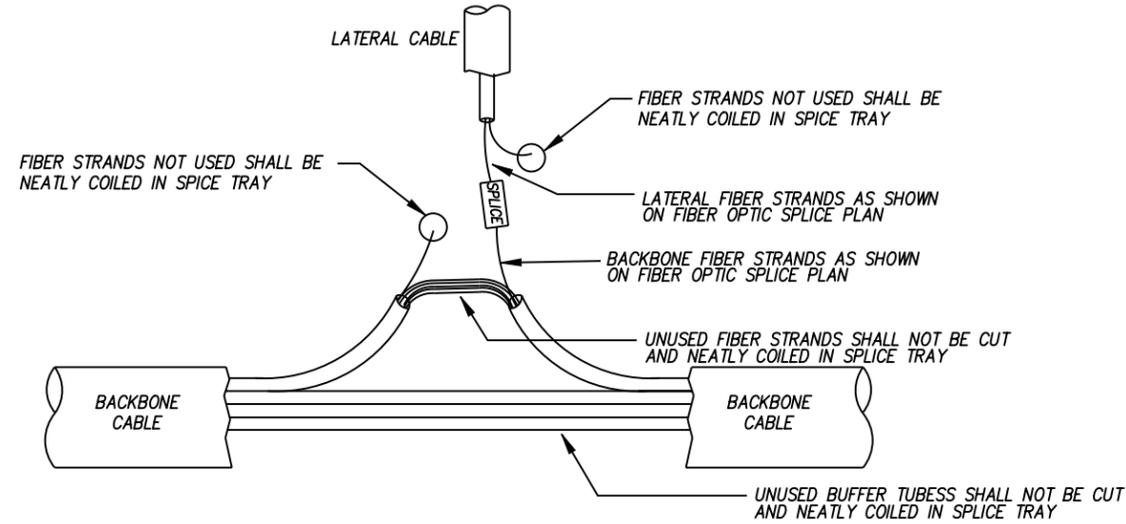
- Where noted in the plans, Fiber Optic Cable shall be spliced in the manner shown. Additional splicing will not be allowed unless approved by the Engineer. In no case shall splicing cause the total optical signal attenuation to exceed the power budget specified by the device specifications and Project Specifications.
- Cable splices shall be placed in a weather proof fiber optic splice closure canister. Splices shall only be in manholes.
- Only buffer tubes with fibers to be spliced shall be accessed. All other buffer tubes and fibers shall not be cut.
- The Contractor shall seal remaining cut Backbone and Lateral fibers in a manner recommended by the fiber manufacturer.
- To facilitate maintenance and trouble shooting, see color coding requirements on the Fiber Optic General Notes sheet.
- Contractor shall verify fiber splicing direction as it pertains to each device. Single direction splices lead to the devices respective Regeneration Node Building. In some cases, device data may be sent in opposite directions to two different Regeneration Node Buildings or devices may be installed in a daisy chain configuration.

7. The Contractor shall label the splice tray as shown with the following, per the details on this sheet:

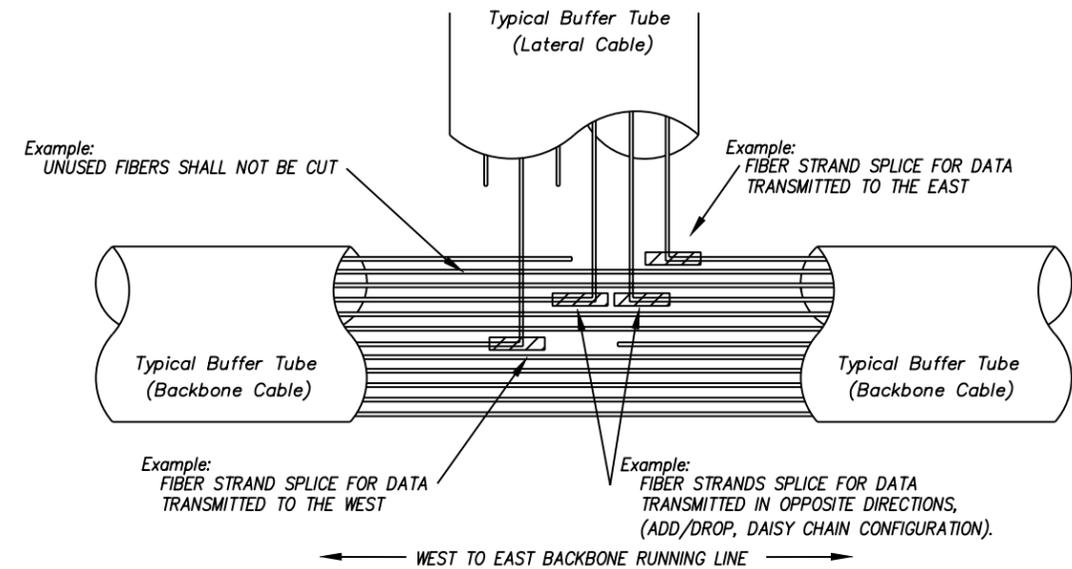
- Backbone buffer tube and direction
- Lateral buffer tube
- For the splice, label both the backbone strand and the lateral strand

8. The Contractor shall notify the Project Engineer 2 working days, (48 Hours) prior to work at each splicing location to have a CDOT representative on site while splicing is performed. In the event that the representative cannot be on site, up to 8 digital pictures shall be taken at varying angles showing the following;

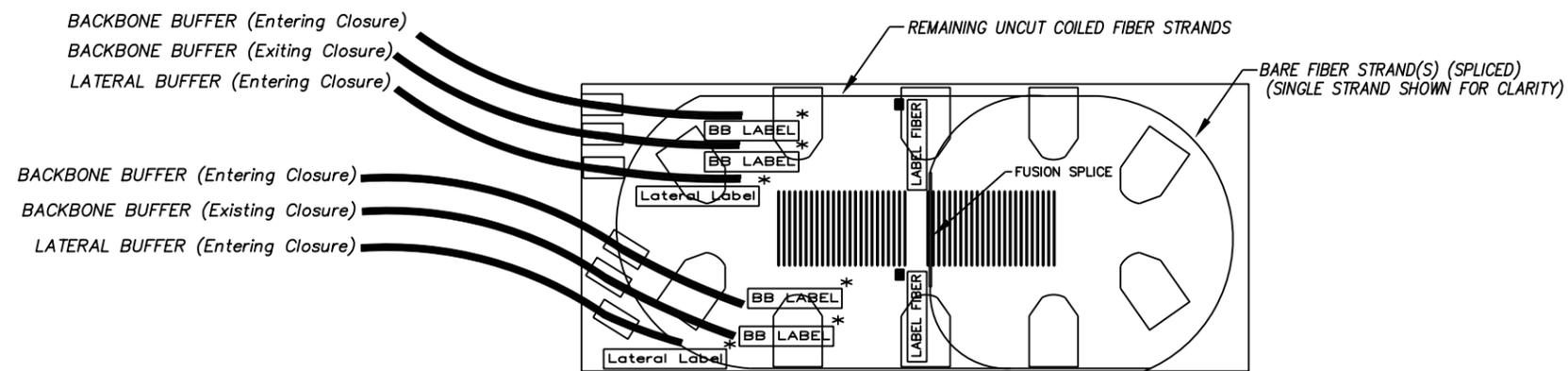
- Condition of existing canister and splice trays prior to any project work
- Completed splice trays prior to installing in closure
- Open closure with splice trays installed showing buffer tube and tray management
- Closure and coiled fiber cables in manhole or pull box prior to closing



BACKBONE / LATERAL CABLE SPLICING DETAIL
SCHEMATIC DETAIL ONLY, SPLICE CLOSURE NOT SHOWN FOR CLARITY



LATERAL CABLE SPLICING DETAIL
DIRECTION OF DEVICE DATA SPLICE DETAIL



* LABEL BACKBONE AND LATERAL FIBER BUFFER TUBES ENTERING TRAY
■ LABEL BACKBONE AND LATERAL FIBERS AT FUSION SPLICE

DETAIL OF TYPICAL SPLICE TRAY LABELING

Print Date: 6/23/2010		Sheet Revisions		Colorado Department of Transportation 425 C Corporate Circle Golden, CO 80401 Phone: 303-512-5801 FAX: 303-512-5878 HQ ITS Branch	As Constructed No Revisions: Revised: Void:	FIBER SPLICING Project Standard				Project No./Code Project Number 11111 Sheet Number
File Name: Various Splice Details.dgn		Date:	Comments			Init.	Designer: Wjkjr	Structure Numbers	X-XX-XX	
Horiz. Scale: 1:120 Vert. Scale: As Noted							Detailer: JKS		X-XX-XX	
Unit Information Unit Leader Initials							Sheet Subset: ITS	Subset Sheets:	1 of 1	