

MODIFY SPLICE ENCLOSURE
FOR SIGNAL #05-2125
SHEET SCP 2

FIBER OPTIC CABLE

COLOR CODE
TIA/EIA 598-A

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

C = CAP AND SEAL

X = FUSION SPLICE INDIVIDUAL FIBER

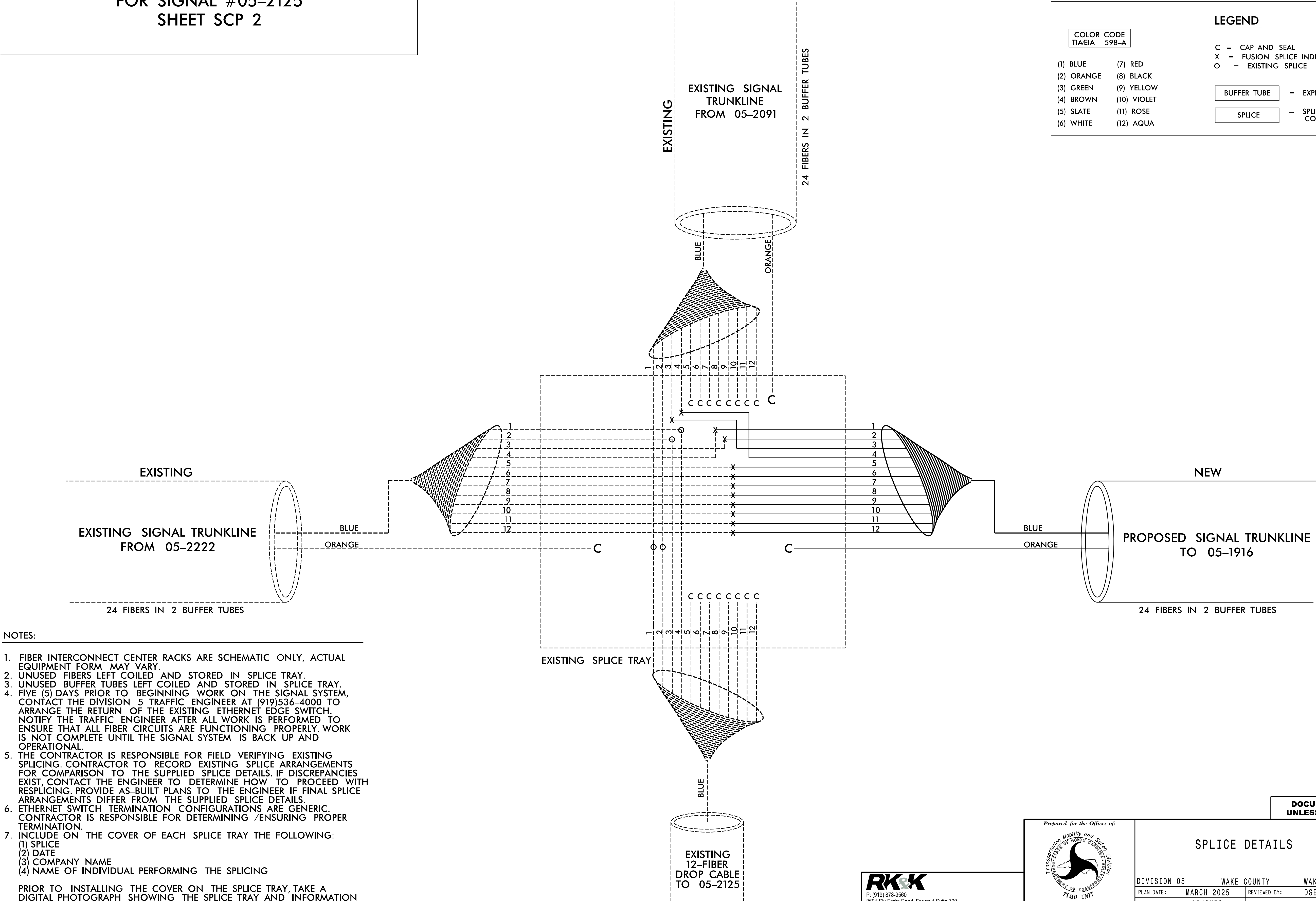
O = EXISTING SPLICE

BUFFER TUBE

SPLICE

= EXPRESS ENTIRE BUFFER TUBE

= SPLICE ENTIRE BUFFER TUBE
COLOR TO COLOR



- NOTES:
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY, ACTUAL EQUIPMENT FORM MAY VARY.
 2. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
 3. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.
 4. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 5 TRAFFIC ENGINEER AT (919)536-4000 TO ARRANGE THE RETURN OF THE EXISTING ETHERNET EDGE SWITCH. NOTIFY THE TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.
 5. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SPLICING. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENTS FOR COMPARISON TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENTS DIFFER FROM THE SUPPLIED SPLICE DETAILS.
 6. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.
 7. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:
(1) SPLICE
(2) DATE
(3) COMPANY NAME
(4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY, TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS TO THE ENGINEER.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

RKK

P: (919) 878-9560
8601 Six Forks Road, Forum 1, Suite 700
Raleigh, North Carolina 27615-3960
NC License No. F-0112

Engineers | Construction Managers | Planners | Scientists
www.rkk.com
Responsive People | Creative Solutions

Prepared for the Offices of:
Transportation Mobility and Safety Division
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
TSMO UNIT
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
N/A

SPLICE DETAILS

DIVISION 05

WAKE COUNTY

WAKE FOREST

PLAN DATE: MARCH 2025

REVIEWED BY: DSEARS

PREPARED BY: WPJONES

REVIEWED BY:

REVISIONS

INIT.

DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
044558
ENGINEER
DAVID T. SEARS

DocuSigned by
David T. Sears
069183F2B5741E
SIGNATURE
DATE
3/3/2025
CADD Filename: