PROJECT REFERENCE NO. R-5021 SCP. 52 **LEGEND** COLOR CODE TIA/EIA 598-C 03-0626 /CCTV-4 /HUB CABINET NC 211 (SOUTHPORT-SUPPLY RD) AT X = NEW FUSION SPLICE INDIVIDUAL FIBER • = EXISTING FUSION SPLICE ORANGE (8) BLACK SR 1969 (OLD LONG BEACH RD) C = CAP AND SEAL(4) BROWN (10) VIOLET = EXPRESS ENTIRE BUFFER TUBE EXPRESS THROUGH WITHOUT CUTTING (5) SLATE (11) ROSE BUFFER SPLICE = SPLICE ALL FIBERS IN BUFFER WHITE (12) AQUA TUBE COLOR TO COLOR CONTROLLER CABINET 03–1125 MODIFY SPLICE ENCLOSURE **MODIFY SPLICE TRAY** NEW NEW NEW DROP CABLE **BUFFER TUBE** BUFFER TUBE TO 03-1125 SEE SHEET 53 FROM SPLICE ENCLOSURE FROM SPLICE FOR ORANGE TUBE BUFFER TUBE **BUFFER TUBE** FROM SPLICE ENCLOSURE FOR FOR INTERSECTION 03–1043 SPLICE **ENCLOSURE** GREEN BUFFER TUBE GREEN BUFFER TUBE NC 211 (SOUTHPORT-SUPPLY RD) CCTV₋₃ **EXPRESS** BROWN BUFFER TUBE BROWN BUFFER TUBE J. SWAIN BLVD **EXPRESS** 48 FIBERS IN 4 BUFFER TUBES 48 FIBERS IN 4 BUFFER TUBES * * * * * TERMINATE STRANDS 1-ON PATCH PANEL, CAP AND SEAL STRANDS 7–12 1 2 3 4 5 6 777700 - FIBER-OPTIC MASTER CONTROLLER CABINET 03-0626 JUMPERS WITH **EXISTING** ST CONNECTORS EXPRESS FIBERS 3 - 12 BLUE BUFFER TUBE FROM SPLICE ENCLOSURE FOR STRAIGHT THROUGH INTERSECTION 03-0844 EXISTING NC 133 (LONG BEACH RD) DROP CABLE TO 03-0626 ORANGE SHOPPING CENTER **BUFFER TUBE** FROM SPLICE **ENCLOSURE** 12 FIBERS IN 2 BUFFER TUBES CONTROLLER TX RX TX RX 03–1125 ETHERNET EDGE SWITCH CONFLICT MONITOR **NOTES:** TERMINATE STRANDS 1-ON PATCH PANEL, CAP AND SEAL ~_6---c 1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY. 1 2 3 4 5 6 2. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR <u>888888</u> COMPARISON TO SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH - FIBER-OPTIC RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL JUMPERS WITH ST CONNECTORS SPLICE ARRANGEMENT DIFFERS FROM THE SUPPLIED SPLICE DETAILS. 3. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY. MASTER CONTROLLER 4. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. 03–0626 CONTRACTOR IS RESPONSIBLE FOR DETERMINING / CAP AND SEAL CAP AND SEAL STRANDS 5-12 STRANDS 5-12 ENSURING PROPER TERMINATION. CONFLICT MONITOR 5. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: EXISTING REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE" EXISTING ETHERNET CELL **EDGE SWITCH** MODEM (1) SPLICE (2) DATE (3) COMPANY NAME (4) NAME OF INDIVIDUAL PERFORMING THE SPLICING **DOCUMENT NOT CONSIDERED FINAL EXISTING** SHEET 1 OF 2 **UNLESS ALL SIGNATURES COMPLETED** PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY, TAKE A DIGITAL PHOTOGRAPH SHOWING DROP DROP DROP THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH CABLE CABLE **CABLE** NC 211 OTDR TEST RESULTS. TO TO TO (SOUTHPORT-SUPPLY RD / HOWE ST) 03-0626 03–1125 CCTV-4 6. SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 3 SPLICE DETAIL DEPUTY TRAFFIC ENGINEER, STONEWALL (STONEY) MATHIS, AT 910–341–2200 TO ARRANGE FOR THE 031464 Division 3 Brunswick Co. Southport DIVISION TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION REVIEWED BY: T.R. Terrell June 2018 PLAN DATE: DATA, INCLUDING BUT NOT LIMITED TO THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK, PREPARED BY: Rakesh Nune REVIEWED BY: N.R. Simmons AND VLAN ID INFORMATION. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO HNTB NORTH CAROLINA, P.C.
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(919) 546-8997 REVISIONS INIT. DATE ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.

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