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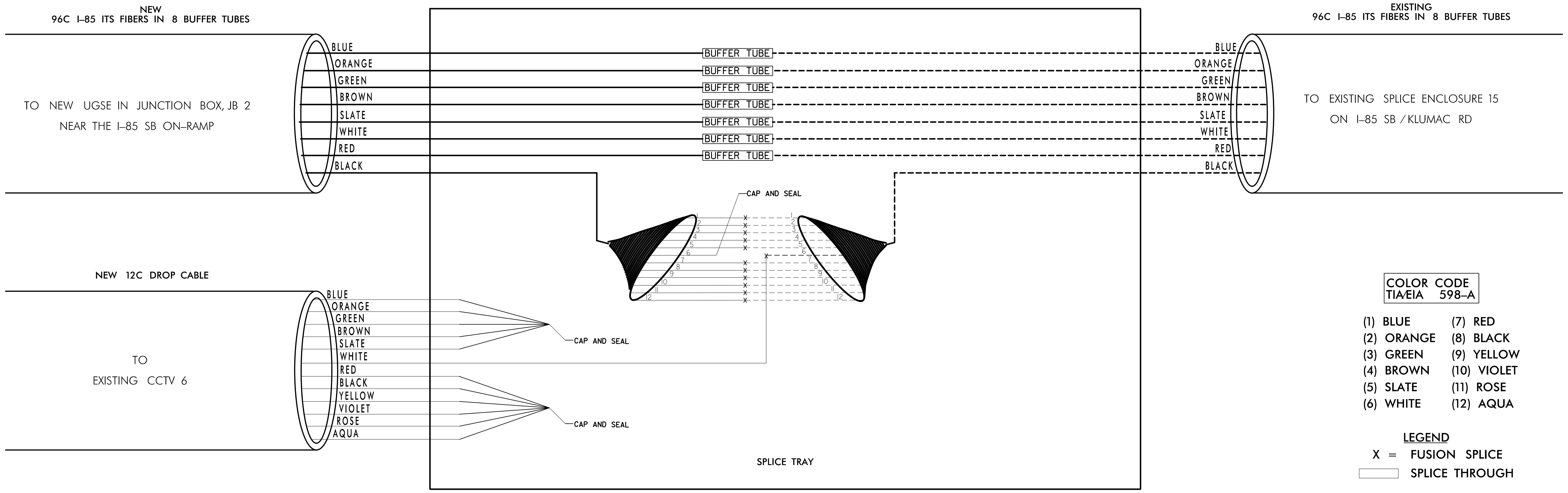
PROJECT REFERENCE NO.	SHEET NO.
U-5738	SCP 10

NEW (REPLACEMENT) I–85 ITS UNDERGROUND SPLICE ENCLOSURE 14
SR 2528 (JULIAN RD) AT
I–85 / US 601 SB RAMPS AND
SR 2762 (KLUMAC RD)
IN JUNCTION BOX, JB 1, NEAR 09–0991 CONTROLLER

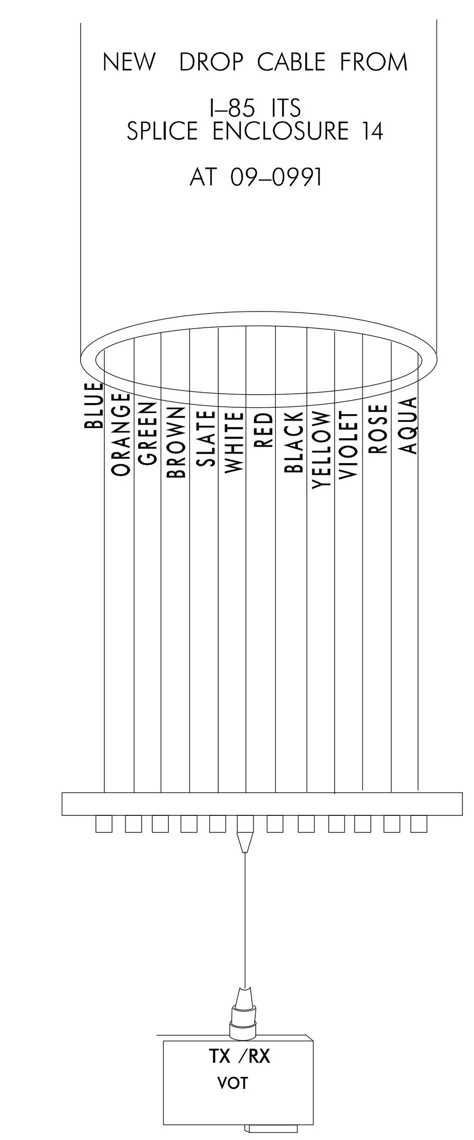


COLOR CODE
TIA/EIA 598–A

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

LEGEND
X = FUSION SPLICE
SPLICE THROUGH

CCTV 6



COLOR CODE
TIA/EIA 598–A

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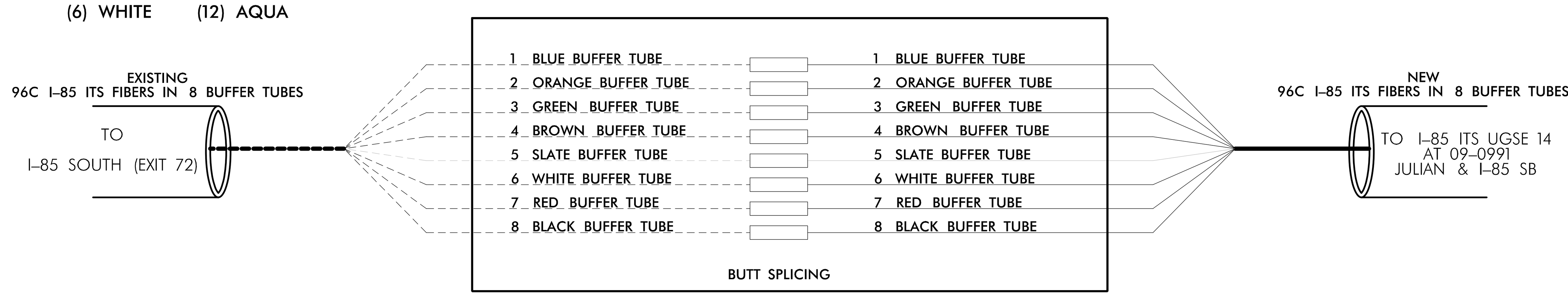
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

NEW UNDERGROUND I–85 ITS SPLICE ENCLOSURE
SR 2528 (JULIAN RD) AT
I–85 / US 601 SB RAMPS AND
SR 2762 (KLUMAC RD)
IN JUNCTION BOX, JB 2, NEAR I–85 SB ON–RAMP

LEGEND
SPLICE THROUGH



COLOR CODE
TIA/EIA 598–A

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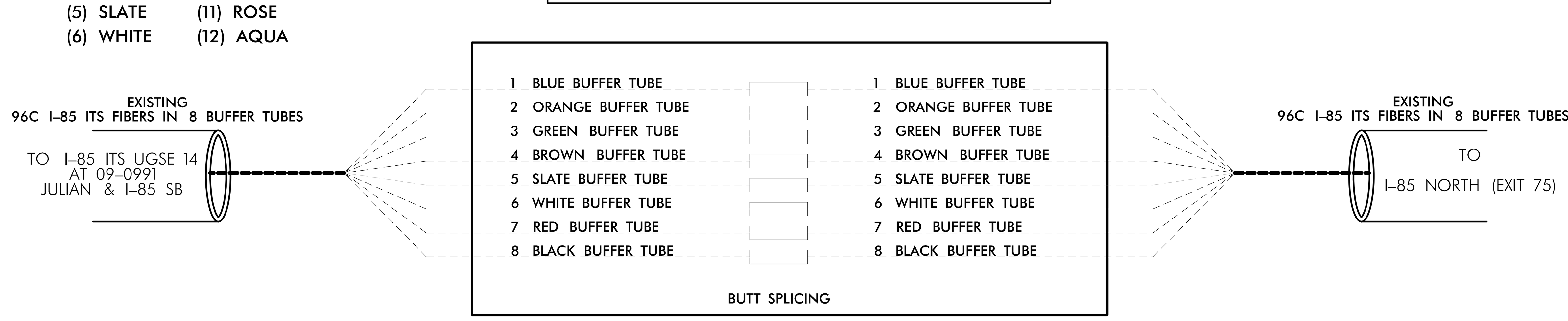
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

EXISTING I–85 ITS SPLICE ENCLOSURE 15

ON I–85 SB / KLUMAC RD

LEGEND
SPLICE THROUGH



NOTES:

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING SIGNAL AND ITS SYSTEM COMMUNICATIONS UNTILL THE NEW FIBER OPTIC CABLES ARE INSTALLED AND READY FOR CUTOVER (SEE ICT).

2. REPLACE EXISTING SPLICE ENCLOSURE 14 AND COMMUNICATIONS CABLES AS SHOWN ON SCP 5A AND SCP 5B.

3. AFTER THE PROPOSED FIBER OPTIC SIGNAL COMMUNICATIONS SYSTEM IS INSTALLED AND ACTIVATED, FIELD LOCATE EXISTING SPLICE ENCLOSURE 15 FOR THE 96C I–85 ITS FIBER OPTIC CABLE. MODIFY SPLICES AS NEEDED TO RESTORE THE FIBERS IN THE GREEN AND BROWN BUFFER TUBES TO THE DEFAULT CONFIGURATION (MATCH LIKE COLORS).

4. NOTIFY THE NCDOT DIVISION TRAFFIC ENGINEER J. P. COUCH AT 336–747–7800, REGIONAL ITS ENGINEER AT 336–315–7080, AND THE CITY OF SALISBURY TRAFFIC ENGINEERING COORDINATOR VICKIE EDDLEMAN AT 704–638–5200 TWO (2) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM COMMUNICATIONS AND ITS FIBER OPTIC CABLES. NOTIFY THE NCDOT DIVISION TRAFFIC ENGINEER, REGIONAL ITS ENGINEER AND THE CITY'S TRAFFIC ENGINEERING COORDINATOR AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY.
WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM AND THE ITS SYSTEM ARE BOTH BACK UP AND OPERATIONAL (SEE ICT).

5. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT 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 ARRANGEMENT DIFFERS FROM THE SUPPLIED SPLICE DETAILS.

6. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATIONS.

7. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:
REFERENCE NCDOT 2018 STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

1) SPLICE LOCATION
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.

8. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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NC License No. P-1442

ITS & Signals Management Section — Transportation Mobility and Safety Division — State of North Carolina Department of Transportation
750 N.Greenfield Pkwy,Garner,NC 27529

SCALE 0 N/A
N/A

SPLICE DETAILS

Division 9 Rowan County Salisbury

PLAN DATE: November 2021	REVIEWED BY: B. Phillips
PREPARED BY: Z. "Gavin" Teng	REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 032179 ENGINEER ZHAOLONG TENG

DocuSigned by: Zhaolong Teng
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SIGNATURE 12/3/2021 DATE

CADD Filename:

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