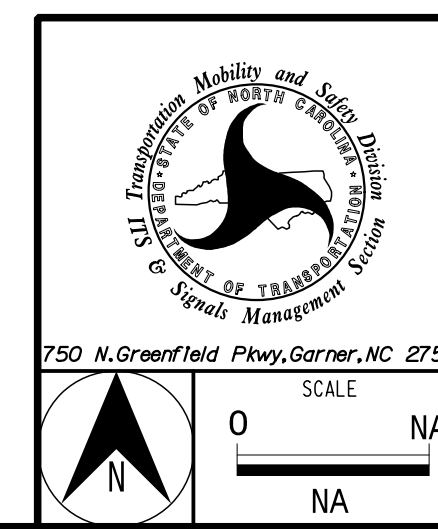


PROJECT CONSTRUCTION NOTES FOR SHEET SCP 5A:

1. SIGNAL 09-0991 CURRENTLY INTERCONNECTS WITH SIGNAL 09-0640 VIA DROP CABLES (12C AND 6C) AND THE GREEN BUFFER TUBE FIBERS OF THE 96C ITS FIBER OPTIC CABLE WHICH RUNS ALONG KLUMAC RD /I-85 AND JAKE ALEXANDER BLVD. THE EXISTING DROP CABLES (12C AND 6C) FOR SIGNAL 09-0991 MAY BE SPLICED IN BOTH THE EXISTING AERIAL SPLICE ENCLOSURE AND THE EXISTING UNDERGROUND I-85 ITS FIBER SPLICE ENCLOSURE 14. THE EXISTING 12C FIBER CROSSING I-85 UNDERNEATH THE BRIDGE CONNECTS THE TWO I-85 RAMP SIGNALS 09-0991 AND 09-0992, AND ALSO SERVES AS A DROP CABLE FOR CCTV 6 FROM THE 96C I-85 ITS FIBER TRUNK LINE. 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. THIS PROJECT WILL SEPARATE THE SIGNAL COMMUNICATIONS SYSTEM FROM THE I-85 ITS COMMUNICATIONS SYSTEM BY INSTALLING SEPARATE ITS SPLICE ENCLOSURES AND DEDICATED COMMUNICATION CABLES. THE NEW SIGNAL SYSTEM AND ITS FIBERS SHALL BE INSTALLED IN SEPARATE CONDUITS.
3. REMOVE THE EXISTING JUNCTION BOXES AND INSTALL NEW OVERSIZED JUNCTION BOXES, JB 1 NEXT TO THE 09-0991 CONTROLLER AND JB 2 NEAR THE I-85 SB ON-RAMP. INSTALL A NEW 96C FIBER ITS CABLE FROM JB 1 TO JB 2 INSIDE THE NEW CONDUITS AS SHOWN. DISCONNECT THE EXISTING ITS FIBERS INSIDE THE EXISTING UNDERGROUND SPLICE ENCLOSURE (UGSE) 14 IN JB 1 AND CUT THE EXISTING ITS FIBERS IN JB 2. SPLICED THE NEW AND EXISTING ITS FIBERS INSIDE THE NEW REPLACEMENT UGSE 14 IN JB 1 ACCORDING TO THE SUPPLIED SPLICE DETAILS, AND BUTT SPLICED THE NEW AND EXISTING ITS FIBERS INSIDE A NEW SPLICE ENCLOSURE IN JB 2 TO RESTORE ORIGINAL FIBER CONNECTIONS. STORE SLACK ITS FIBER IN JB 1 AND JB 2. REMOVE THE EXISTING 96C ITS FIBERS BETWEEN JB 1 AND JB 2 AND ABANDON THE EXISTING CONDUITS. SEE NOTES 1, 6 AND 7 ON WORK NOTIFICATION AND SYSTEM OPERATIONS REQUIREMENTS.
4. THE EXISTING COMMUNICATIONS CABLE ROUTING AND SPLICE LOCATIONS SHALL BE FIELD VERIFIED. 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.
5. REUSE EXISTING FIELD ETHERNET SWITCH.
6. AFTER THE PROPOSED FIBER OPTIC SIGNAL COMMUNICATIONS SYSTEM IS INSTALLED, DISCONNECT THE EXISTING COMMUNICATIONS CABLES INSIDE THE SIGNAL CABINETS AT SIGNALS 09-0640, 09-0991, 09-0992, 09-1212, DISCONNECT THE EXISTING CCTV 6 DROP CABLE INSIDE THE POLE MOUNTED EQUIPMENT CABINET AND THE EXISTING UGSE 14 INSIDE JB 1, AND PROMPTLY SWITCH TO THE NEW FIBERS. DISCONNECT THE SIGNAL DROP CABLES FROM THE 96C ITS FIBERS FOR SIGNAL 09-0640 AND 09-0991, AND RESTORE THE ITS FIBERS IN THE GREEN BUFFER TUBE TO THEIR DEFAULT CONFIGURATION (BUTT SPLICING). REMOVE THE EXISTING SIGNAL AND ITS COMMUNICATIONS CABLES AS SHOWN.
7. 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).
8. REMOVE EXISTING JUNCTION BOXES AND BACKFILL WITH AN APPROVED MATERIAL.

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PREPARED IN THE OFFICE OF:
Accelerate Engineering, PLLC
 875 Walnut Street, Suite 316
 Cary, NC 27511
 Tel: 919.263.5678 Fax: 919.263.5687
 NC License No. P-1442



Signal Communications Plan	
Division 9	Rowan County Salisbury
PLAN DATE: November 2021	REVIEWED BY: B. Phillips
PREPARED BY: Z. "Gavin" Teng	REVIEWED BY:
REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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