



- NOTES:**
- FOR 06-0274; THE CONTRACTOR SHALL REMOVE THE EXISTING CCTV CAMERA METAL POLE AND FOUNDATION. THE CCTV CAMERA SHALL BE REINSTALLED ON THE JOINT-USE SIGNAL POLE AND CONNECTED TO THE SIGNAL CABINET BY A NEW CAT 5e/6 PoE. SEE 06-0274 SPLICE DETAIL.
  - THE CONTRACTOR SHALL COORDINATE THE DELIVERY OF THE METAL CCTV CAMERA POLE TO THE CITY OF FAYETTEVILLE'S, SIGNAL SYSTEMS MANAGEMENT ENGINEER, CARL McCARTNEY AT (910) 433-1660.
  - THE CONTRACTOR SHALL INSTALL NCDOT PROVIDED CELLULAR MODEM AT 06-0274 FOR RELOCATED CCTV-1A. CONTRACTOR SHALL CONTACT NCDOT TRAFFIC ENGINEER, FRANK WEST AT 910-364-0606, AT LEAST EIGHT (8) WEEKS IN ADVANCE OF ANTICIPATED INSTALLATION OF CELLULAR MODEM SO THAT THE MODEM MAY BE PROVIDED BY NCDOT.
  - THE CONTRACTOR SHALL REMOVE EXISTING FO CABLE LABELED "REM" BETWEEN BUNCE RD (06-0274) AND BINGHAM RD (06-0358) AS SHOWN, AND LOOP EXISTING FO CABLE LABELED "EXI" IN EXISTING SPLICE ENCLOSURE AT BINGHAM RD AS SHOWN IN SPLICING DETAIL SHEET ON SCP.14.

**GENERAL NOTE:**  
 AFTER ALL NEW CABLES ARE INSTALLED AND THE SYSTEM INTERSECTIONS ARE OPERATING, REMOVE THE EXISTING CABLES LABELED "REM". PRIOR TO REMOVING, COORDINATE THESE ACTIVITIES WITH PWC.  
 PWC CONTACT: DARLENE GOODHART AT (910) 223-4526.

1. INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	15. DIRECTIONAL DRILL CONDUIT	30. INSTALL AERIAL SPLICE ENCLOSURE	46. INSTALL SIDEWALK GUY ASSEMBLY
2. INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	16. BORE AND JACK CONDUIT	31. INSTALL POLE MOUNTED CABINET	47. INSTALL MESSENGER CABLE
3. INSTALL 3-CONDUCTOR, CLASS B, STRANDED UNDERGROUND POWER CABLE	17. INSTALL CABLE(S) IN EXISTING CONDUIT	32. INSTALL BASE MOUNTED SPLICE CABINET (336) WITH EXTEND BASE	48. REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
4. INSTALL SMFO CABLE	18. INSTALL CABLE(S) IN NEW CONDUIT	33. REMOVE EXISTING SPLICE CABINET	49. REMOVE EXISTING COMMUNICATIONS CABLE
5. INSTALL WEATHERPROOF CATEGORY 5e UTP - 4 PAIR 23 AWG CABLE (PoE)	19. INSTALL CABLE(S) IN EXISTING RISER	34. INSTALL CABINET FOUNDATION	50. INSTALL ETHERNET SWITCH
6. INSTALL FIBER OPTIC DROP CABLE	20. INSTALL CABLE(S) IN NEW RISER	35. REMOVE EXISTING CABINET FOUNDATION	51. INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE
7. INSTALL TRACER WIRE	21. INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	36. INSTALL CCTV CAMERA ASSEMBLY	52. INSTALL DELINEATOR MARKER
8. TRENCH	22. INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	37. INSTALL CCTV CAMERA WOOD POLE	53. STORE 50 FEET OF COMMUNICATIONS CABLE
9. INSTALL PVC CONDUIT	23. INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	38. INSTALL CCTV CAMERA METAL POLE AND FOUNDATION	54. LASH CABLE(S) TO EXISTING PWC FIBER OPTIC LINE
10. INSTALL RIGID, GALVANIZED STEEL CONDUIT	24. INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	39. INSTALL JUNCTION BOX	55. LASH CABLE(S) TO EXISTING MESSENGER CABLE
11. INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	25. INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	40. INSTALL OVERSIZED JUNCTION BOX	56. LASH CABLE(S) TO NEW MESSENGER CABLE
12A. INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	26. TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	41. REMOVE EXISTING JUNCTION BOX	57. MODIFY EXISTING ELECTRICAL SERVICE
12B. INSTALL CABLES/DROP CABLE THROUGH NIPPLE ON METAL POLE (SIGNAL OR JOINT USE). INSTALL HEAT SHRINK TUBING OVER NIPPLE.	27. INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	42. INSTALL WOOD POLE	58. INSTALL NEW ELECTRICAL SERVICE FOR DMS/CCTV
13. INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	28. INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	43. REMOVE EXISTING WOOD POLE	59. INSTALL NEW BASE MOUNTED CABINET (336)
14. INSTALL POLYETHYLENE CONDUIT	29. INSTALL UNDERGROUND SPLICE ENCLOSURE	44. INSTALL AERIAL GUY ASSEMBLY	60. SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV/DMS CONTROL CABINETS WITH MOLDABLE DUCT SEAL
		45. INSTALL STANDARD GUY ASSEMBLY	

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**PHASE I FIBER TRUNK CABLE INSTALLATION**

US 401 (RAEFORD ROAD)  
 SIGNAL SYSTEM AND  
 COMMUNICATIONS CABLE /  
 CONDUIT ROUTING PLANS

SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 ENGINEER  
 SEAL  
 045933  
 L. OVERN

750 N. Greenfield Plaza, Garner, NC 27529

SCALE  
NTS

Prepared for the Offices of:  

Division 06 CUMBERLAND CO. FAYETTEVILLE

PLAN DATE: APRIL 2019 REVIEWED BY: D. HARRIS

PREPARED BY: B. KEFFER REVIEWED BY: L. OVERN

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