



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.

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| 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 (Pc) | 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 |

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PHASE I FIBER TRUNK CABLE INSTALLATION

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

Prepared for the Offices of:			
PLAN DATE: APRIL 2019 PREPARED BY: B. KEFFER			
DIVISION 06 CUMBERLAND CO. FAYETTEVILLE REVIEWED BY: D. HARRIS		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER L. OVERN 045933	
REVISIONS: _____ INIT. DATE		750 N. Greenfield Plaza, Garner, NC 27529 SCALE: NTS DATE: 5/9/2019 CADD FILE NAME:	

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