



GENERAL NOTE:
 CONTRACTOR TO MAINTAIN A MINIMUM OF SIX (6) FEET FROM EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY.

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| 1. INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE | 16. INSTALL BRIDGE MOUNTED FIBERGLASS CONDUIT, WITH FOUR-WAY INNERDUCT INSERT | 31. INSTALL POLE MOUNTED SPLICE CABINET | 47. INSTALL MESSENGER CABLE | 62. LOCATE EXISTING JUNCTION BOX AND CONNECT WITH NEW CONDUIT |
| 2. INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS 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 | 63. BOND MESSENGER CABLE AND RISER TO POLE GROUND |
| 3. INSTALL 3-CONDUCTOR, CLASS B, STRANDED UNDERGROUND POWER CABLE | 18. INSTALL CABLE(S) IN NEW CONDUIT | 33. REMOVE EXISTING SPLICE CABINET | 49. REMOVE EXISTING COMMUNICATIONS CABLE | |
| 4. INSTALL SMFO CABLE | 19. INSTALL CABLE(S) IN EXISTING RISER | 34. INSTALL CABINET FOUNDATION | 50. INSTALL REEL END SPLICE | |
| 5. INSTALL CAT 5e COMMUNICATIONS 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 | |
| 6. INSTALL FIBER OPTIC DROP CABLE | 21. INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS | 36. INSTALL CCTV CAMERA ASSEMBLY | 52. INSTALL DELINEATOR MARKER | |
| 7. INSTALL TRACER WIRE | 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 | |
| 8. TRENCH | 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 SIGNAL / COMMUNICATIONS CABLE | |
| 9. INSTALL PVC CONDUIT | 24. INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET | 39. INSTALL SPECIAL OVERSIZED JUNCTION BOX WITH 100 FEET OF COMMUNICATIONS CABLE | 55. LASH CABLE(S) TO EXISTING MESSENGER CABLE | |
| 10. INSTALL RIGID, GALVANIZED STEEL CONDUIT | 25. INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET | 40. INSTALL OVERSIZED JUNCTION BOX | 56. LASH CABLE(S) TO NEW MESSENGER CABLE | |
| 11. INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD | 26. TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET | 41. INSTALL BRIDGE MOUNTED JUNCTION BOX | 57. MODIFY EXISTING ELECTRICAL SERVICE | |
| 12. INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL | 27. INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET | 42. INSTALL WOOD POLE | 58. INSTALL NEW ELECTRICAL SERVICE FOR DMS | |
| 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 CABINETS WITH MOLDABLE DUCT SEAL | |
| 15. DIRECTIONAL DRILL CONDUIT | 30. INSTALL AERIAL SPLICE ENCLOSURE | 45. INSTALL STANDARD GUY ASSEMBLY | 61. INSTALL ETHERNET SWITCH | |
| | | 46. INSTALL SIDEWALK GUY ASSEMBLY | | |

Prepared for the Offices of:
 Transportation, Mobility and Safe Operations
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 750 N. Greenfield Plaza, Garner, NC 27529

CABLE ROUTING PLANS

DIV 3 BRUNSWICK CO. Near WILMINGTON

PLAN DATE: January 2018 REVIEWED BY: G. Green
 PREPARED BY: L. Neal REVIEWED BY: P. Marak

SCALE: NTS

REVISIONS: _____ INIT: _____ DATE: _____

DocuSigned by:
 Paul P. Marak 2/1/2018
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 NORTH CAROLINA PROFESSIONAL ENGINEER
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 PAUL P. MARAK
 SIGNATURE DATE
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