



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

- | | | | | | | | | | |
|----|--|----|---|----|--|----|---|----|---|
| 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 _____

SIGNATURE: Paul P. Marak 2/1/2018
 SEAL: SEAL 031636
 CADD FILE NAME: _____