



**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  |    |   |    |   |

	<b>CABLE ROUTING PLANS</b>		
	DIV 3 NEW HANOVER CO. Near WILMINGTON PLAN DATE: January 2018    REVIEWED BY: G. Green PREPARED BY: L. Neal    REVIEWED BY: P. Marak		
750 N. Greenfield Plaza, Garner, NC 27529 	SCALE NTS	REVISIONS _____ _____ _____	INIT.    DATE _____ _____ _____
Prepared for the Offices of: Transportation, Mobility and Safe Operations NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 750 N. Greenfield Plaza, Garner, NC 27529		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031636 PAUL P. MARAK DocuSigned by: Paul P. Marak 2/1/2018 SIGNATURE    DATE _____    _____ CADD FILE NAME	