



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

- |  |  |   |   |  |
|--|--|---|---|--|
| <ul style="list-style-type: none"> <li>1 INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE</li> <li>2 INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE</li> <li>3 INSTALL 3-CONDUCTOR, CLASS B, STRANDED UNDERGROUND POWER CABLE</li> <li>4 INSTALL SMFO CABLE</li> <li>5 INSTALL CAT 5e COMMUNICATIONS CABLE</li> <li>6 INSTALL FIBER OPTIC DROP CABLE</li> <li>7 INSTALL TRACER WIRE</li> <li>8 TRENCH</li> <li>9 INSTALL PVC CONDUIT</li> <li>10 INSTALL RIGID, GALVANIZED STEEL CONDUIT</li> <li>11 INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD</li> <li>12 INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL</li> <li>13 INSTALL OUTER-DUCT POLYETHYLENE CONDUIT</li> <li>14 INSTALL POLYETHYLENE CONDUIT</li> <li>15 DIRECTIONAL DRILL CONDUIT</li> </ul> | <ul style="list-style-type: none"> <li>16 INSTALL BRIDGE MOUNTED FIBERGLASS CONDUIT, WITH FOUR-WAY INNERDUCT INSERT</li> <li>17 INSTALL CABLE(S) IN EXISTING CONDUIT</li> <li>18 INSTALL CABLE(S) IN NEW CONDUIT</li> <li>19 INSTALL CABLE(S) IN EXISTING RISER</li> <li>20 INSTALL CABLE(S) IN NEW RISER</li> <li>21 INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS</li> <li>22 INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</li> <li>23 INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</li> <li>24 INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET</li> <li>25 INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET</li> <li>26 TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET</li> <li>27 INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET</li> <li>28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPlice CABLE IN CABINET</li> <li>29 INSTALL UNDERGROUND SPlice ENCLOSURE</li> <li>30 INSTALL AERIAL SPlice ENCLOSURE</li> </ul> | <ul style="list-style-type: none"> <li>31 INSTALL POLE MOUNTED SPlice CABINET</li> <li>32 INSTALL BASE MOUNTED SPlice CABINET (336) WITH EXTEND BASE</li> <li>33 REMOVE EXISTING SPlice CABINET</li> <li>34 INSTALL CABINET FOUNDATION</li> <li>35 REMOVE EXISTING CABINET FOUNDATION</li> <li>36 INSTALL CCTV CAMERA ASSEMBLY</li> <li>37 INSTALL CCTV CAMERA WOOD POLE</li> <li>38 INSTALL CCTV CAMERA METAL POLE AND FOUNDATION</li> <li>39 INSTALL SPECIAL OVERSIZED JUNCTION BOX WITH 100 FEET OF COMMUNICATIONS CABLE</li> <li>40 INSTALL OVERSIZED JUNCTION BOX</li> <li>41 INSTALL BRIDGE MOUNTED JUNCTION BOX</li> <li>42 INSTALL WOOD POLE</li> <li>43 REMOVE EXISTING WOOD POLE</li> <li>44 INSTALL AERIAL GUY ASSEMBLY</li> <li>45 INSTALL STANDARD GUY ASSEMBLY</li> <li>46 INSTALL SIDEWALK GUY ASSEMBLY</li> </ul> | <ul style="list-style-type: none"> <li>47 INSTALL MESSENGER CABLE</li> <li>48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE</li> <li>49 REMOVE EXISTING COMMUNICATIONS CABLE</li> <li>50 INSTALL REEL END SPlice</li> <li>51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE</li> <li>52 INSTALL DELINEATOR MARKER</li> <li>53 STORE 50 FEET OF COMMUNICATIONS CABLE</li> <li>54 LASH CABLE(S) TO EXISTING SIGNAL / COMMUNICATIONS CABLE</li> <li>55 LASH CABLE(S) TO EXISTING MESSENGER CABLE</li> <li>56 LASH CABLE(S) TO NEW MESSENGER CABLE</li> <li>57 MODIFY EXISTING ELECTRICAL SERVICE</li> <li>58 INSTALL NEW ELECTRICAL SERVICE FOR DMS</li> <li>59 INSTALL NEW BASE MOUNTED CABINET (336)</li> <li>60 SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND CABINETS WITH MOLDABLE DUCT SEAL</li> <li>61 INSTALL ETHERNET SWITCH</li> </ul> | <ul style="list-style-type: none"> <li>62 LOCATE EXISTING JUNCTION BOX AND CONNECT WITH NEW CONDUIT</li> <li>63 BOND MESSENGER CABLE AND RISER TO POLE GROUND</li> </ul> |
|--|--|---|---|--|

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