

**LEGEND**

	NEW FIBER OPTIC COMMUNICATIONS CABLE
	NEW TWISTED PAIR COMMUNICATIONS CABLE
	EXISTING COMMUNICATIONS CABLE
	EXISTING COMMUNICATIONS CABLE TO BE REMOVED
	NEW AERIAL GUY ASSEMBLY
	NEW CONDUIT
	EXISTING CONDUIT
	NEW DIRECTIONAL DRILLED CONDUIT
	NEW BORED AND JACKED CONDUIT
	NEW JUNCTION BOX
	EXISTING JUNCTION BOX
	EXISTING WOOD POLE (NOT AFFECTED BY PROJECT)
	EXISTING WOOD POLE (TO BE REMOVED BY OTHERS)
	NEW WOOD POLE (BY OTHERS)
	EXISTING AERIAL SPLICE ENCLOSURE
	NEW AERIAL SPLICE ENCLOSURE
	NEW METAL POLE
	EXISTING METAL POLE
	NEW CCTV CAMERA ASSEMBLY
	EXISTING CCTV CAMERA ASSEMBLY
	NEW STANDARD GUY ASSEMBLY
	NEW SIDEWALK GUY ASSEMBLY
	NEW CABLE STORAGE RACKS (SNOW SHOES)
	EXISTING CONTROLLER AND CABINET
	EXISTING SPLICE CABINET
	NEW SPLICE CABINET
	SIGNAL POLE
	SIGNAL INVENTORY NUMBER
	YAGI ANTENNA (SINGLE)
	OMNI ANTENNA

**CABLE ROUTING NOTES:**

1) CONTRACTOR SHALL RELOCATE EXISTING GPS UNITS TO NEW CABINETS AT THE FOLLOWING LOCATIONS AS SHOWN ON THE PLANS AND LISTED BELOW:

- A) SIGNAL CABINET 05-1028 - NC 55 (S ALSTON AVE) AT NC 147 SB RAMPS
- B) SIGNAL CABINET 05-0284 - NC 55 (S ALSTON AVE) AT NC 147 NB RAMP/GANN ST
- C) SIGNAL CABINET 05-1026 - NC 55 (S ALSTON AVE) AT SR 1926 (ANGIER AVE)
- D) SIGNAL CABINET 05-1030 - NC 55 (S /N ALSTON AVE) AT E. MAIN ST
- E) SIGNAL CABINET 05-0228 - NC 55 (N ALSTON AVE) AT TAYLOR ST
- F) SIGNAL CABINET 05-1029 - NC 55 (N ALSTON AVE) AT LIBERTY ST

NEW CABINETS WILL BE PLACED AT THESE LOCATIONS AS PART OF THE TEMPORARY SIGNAL INSTALLATION REQUIRED TO SUPPORT ROADWAY CONSTRUCTION. ALL GPS UNITS SHALL REMAIN OPERATIONAL UNTIL SWITCH OVER TO THE NEW FIBER OPTIC COMMUNICATIONS IS COMPLETE. THIS SHALL OCCUR WHEN THE FINAL SIGNAL AT EACH LOCATION LISTED ABOVE IS INSTALLED AND OPERATIONAL. RETURN GPS UNITS TO THE ENGINEER ONCE FIBER OPTIC COMMUNICATIONS SYSTEM IS OPERATIONAL.

- 2) CUT NCDOT/CITY OF DURHAM COMMUNICATIONS CABLE D1027 AT CABINET #05-1027 AND BACK PULL CABLE TO EXISTING OVER SIZED JUNCTION BOX. REROUTE CABLE D1027 VIA NEW CONDUIT TO NEW CABINET AND SPLICE IN ACCORDANCE WITH PLANS.
- 3) COORDINATE ALL WORK WITH THE ENGINEER AND THE CITY OF DURHAM TRAFFIC MANAGEMENT CENTER (MR. PETE NICHOLAS (919) 560-4366).
- 4) INSTALL NEW RISERS, CONDUIT, JUNCTION BOXES AND FIBER OPTIC DROP CABLE BETWEEN ALL PROPOSED AERIAL SPLICE ENCLOSURES AND CABINETS PRIOR TO PERFORMING THE SWITCH OVER FROM TIME BASED COORDINATION/GPS UNITS TO THE NEW FIBER OPTIC COMMUNICATIONS CABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT COMMUNICATIONS TO ALL CHANNELS AFFECTED BY THE CONSTRUCTION ARE OPERATIONAL AND FUNCTIONING ONCE THE FIBER OPTIC CABLE SWITCH OVER HAS BEEN COMPLETED.
- 5) IT IS A MANDATORY REQUIREMENT THAT THE CONTRACTOR TAG AND LABEL ALL FIBER OPTIC CABLES AT EACH SNOW SHOE ARRANGEMENT, AERIAL SPLICE ENCLOSURE, AND SPLICE CABINET. CABLE ID MARKERS CAN BE FOUND IN SECTION 1098-10 OF THE 2012 NCDOT "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES". REPLACE THE CONTACT PHONE NUMBER WITH THE CABLE ID NUMBER AS SHOWN IN THE PLANS.
- 6.) RETURN EXISTING CCTV CAMERA, CCTV EQUIPMENT CABINET, AND WOOD POLE TO ENGINEER. RELOCATE MVD TO NEW METAL POLE. REMOVE EXISTING ELECTRICAL SERVICE.
- 7.) SUBSEQUENT TO THE INSTALLATION OF THE PROPOSED CCTV CAMERA ASSEMBLY AND CCTV METAL POLE, CUT EXISTING CCTV-3 /MVD-7 DROP CABLE AT EXISTING CCTV EQUIPMENT CABINET AND BACK PULL CABLE. REROUTE VIA NEW CONDUIT TO NEW CCTV EQUIPMENT CABINET. STORE EXCESS COMMUNICATIONS CABLE IN EXISTING JUNCTION BOX. INSTALL NEW SPLICE IN ACCORDANCE WITH PLANS AT CCTV-3 /MVD-7 EQUIPMENT CABINET.
- 8.) EXISTING CONDUIT SHOWN FOR INFORMATION PURPOSES. REPLACE ONLY IF DAMAGED BY CONSTRUCTION.
- 9.) LOCATION OF PROPOSED CCTV CAMERA POLE IS APPROXIMATE ONLY. CONTRACTOR SHALL COORDINATE LOCATION WITH THE REGIONAL ITS ENGINEER TO IDENTIFY AN APPROVED LOCATION THAT IS SUITABLE FOR THE PROPOSED CCTV POLE PRIOR TO INSTALLATION.

12/21/2015 12:21:2015 G:\tr\enbor\101\on\WTR13.017.00 NCDOT 2012 Traffic LS\WTR13.017.03 (U-3308 Signal Design Section) TRAFFIC ROUTING PLANS\SCP3.REV-12-18-15.dgn J.Kopaskie

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	<b>COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN LEGEND AND NOTES</b>		
	Division 5 Durham County Durham	PLAN DATE: December 2015	
PREPARED BY: J Kopaskie	REVISIONS	INIT.	DATE
SCALE: 0 N/A		Documented by: Joseph B. Kopaskie 12/21/2015 SIGNED: [Signature] DATE: 12/21/2015 SIG. INVENTORY NO.	