



NOTES:

1. FOR DMS; CONTRACTOR SHALL INSTALL, CENTER SUPPORT STRUCTURE WITH DUAL, BACK TO BACK FRONT ACCESS DMS SIGNS. MOUNT DMS CABINET ON SUPPORT STRUCTURE. INSTALL CELLULAR MODEM PROVIDED BY ENGINEER AND TEST THE OPERATION OF DMS SIGNS. REFER TO DMS DETAIL SHEETS SCP-45, SCP-46 AND SCP-47 FOR ADDITIONAL DETAILS AND INFORMATION.

GENERAL NOTE:

AFTER ALL NEW CABLES ARE INSTALLED AND THE SYSTEM INTERSECTIONS ARE OPERATING, REMOVE THE EXISTING CABLES LABELED "REM". PRIOR TO REMOVING, COORDINATE THESE ACTIVITIES WITH PWC.
PWC CONTACT: DARLENE GOODHART AT (910) 223-4526.

1	INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	15	DIRECTIONAL DRILL CONDUIT	30	INSTALL AERIAL SPlice ENCLOSURE	46	INSTALL SIDEWALK GUY ASSEMBLY
2	INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	16	BORE AND JACK CONDUIT	31	INSTALL POLE MOUNTED CABINET	47	INSTALL MESSENGER CABLE
3	INSTALL 3-CONDUCTOR, CLASS B, STRANDED UNDERGROUND POWER 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
4	INSTALL SMFO CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	33	REMOVE EXISTING SPlice CABINET	49	REMOVE EXISTING COMMUNICATIONS CABLE
5	INSTALL WEATHERPROOF CATEGORY 5e UTP - 4 PAIR 23 AWG CABLE (PcE)	19	INSTALL CABLE(S) IN EXISTING RISER	34	INSTALL CABINET FOUNDATION	50	INSTALL ETHERNET SWITCH
6	INSTALL FIBER OPTIC DROP 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
7	INSTALL TRACER WIRE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	36	INSTALL CCTV CAMERA ASSEMBLY	52	INSTALL DELINEATOR MARKER
8	TRENCH	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
9	INSTALL PVC CONDUIT	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 PWC FIBER OPTIC LINE
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	39	INSTALL JUNCTION BOX	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	40	INSTALL OVERSIZED JUNCTION BOX	56	LASH CABLE(S) TO NEW MESSENGER CABLE
12A	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	26	TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	41	REMOVE EXISTING JUNCTION BOX	57	MODIFY EXISTING ELECTRICAL SERVICE
12B	INSTALL CABLES/DROP CABLE THROUGH NIPPLE ON METAL POLE (SIGNAL OR JOINT USE). INSTALL HEAT SHRINK TUBING OVER NIPPLE.	27	INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	42	INSTALL WOOD POLE	58	INSTALL NEW ELECTRICAL SERVICE FOR DMS/CCTV
13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPICE CABLE IN CABINET	43	REMOVE EXISTING WOOD POLE	59	INSTALL NEW BASE MOUNTED CABINET (336)
14	INSTALL POLYETHYLENE CONDUIT	29	INSTALL UNDERGROUND SPICE ENCLOSURE	44	INSTALL AERIAL GUY ASSEMBLY	60	SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV/DMS CONTROL CABINETS WITH MOLDABLE DUCT SEAL
				45	INSTALL STANDARD GUY ASSEMBLY		

Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

PHASE I FIBER TRUNK CABLE INSTALLATION

Prepared for the Offices of:

750 N. Greenfield Plaza, Garner, NC 27529

**US 401 (RAEFORD ROAD)
SIGNAL SYSTEM AND
COMMUNICATIONS CABLE /
CONDUIT ROUTING PLANS**

DIVISION 06 CUMBERLAND CO. FAYETTEVILLE

PLAN DATE: MARCH 2018 REVIEWED BY: D. HARRIS

PREPARED BY: J. INGRAM REVIEWED BY: B. WATSON

SCALE: NTS

SEAL

Lawrence E. Overton
3/29/2018

3/27/2018
 U:\171001766\transportation\design\Tranoff\c\signal\des\ign\ITS U-4405*SCP Cable Routing.dgn
 j.ingram