



INFRASTRUCTURE SOLUTIONS GROUP

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Gaston County Government

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Subject: New Hope Road Campus Cable Relocate

Below is Infrastructure Solutions Group quote to install new fiber and copper cable at the New Hope Rd campus between four buildings.

Infrastructure Solutions Group shall perform the following

### **Conduit Install**

- Directional Drill one 2" conduit from an existing handhole on Dixon Rd to a new handhole that shall be placed along Roberts Dr at the first building.
- Install one 2" conduit from the new handhole to the first building.
- At the First building Install a new building penetration to allow for a pathway for the new conduit
- Install one 2" conduit from the Handhole at the first building to a new handhole that shall be placed at the metal building (building 2)
- Install a new building penetration to allow for the new conduit.
- From the new handhole at building 2 install a new 2" conduit to a new handhole that shall be placed between building 3 and 4.
- At the new handhole between building 3 and 4 the existing conduits shall be intercepted and installed into the handhole to allow access to the two buildings.
- At each building that will have a new penetration there shall be a new 12"x12"6" pullbox installed.
- All grounds shall be restored to original condition once construction has been completed.

### **Copper Install**

- Install a new 50 pair underground rated copper cable from building 1 to building 2 using the new conduit pathway
- Install a new 25 pair underground rated copper cable from building 2 to building 3 using the new conduit and existing conduit pathway
- Install a new 25 pair underground rated copper cable from building 2 to building 4 using the new conduit and existing conduit pathway
- Terminate all new copper cable using lightning protectors at each building
- Properly ground all new lightning protectors



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### **Fiber Install**

- Install a new 24 strand singlemode fiber cable from the existing handhole along Dixon road to building 1 using the new conduit pathway
- Install a new 24 strand singlemode fiber cable from building 1 to building 2,3 and 4 using the new and existing conduit pathway. Building 2,3 and 4 shall have home run fiber cables feeding back to building 1.
- Fusion splice the 24 strand singlemode fiber in the existing handhole along Dixon road to an existing fiber cable.
- Terminate all new fiber in each building within new fiber cabinet. All terminations shall be LC type.
- All new fiber shall be tested once terminations have been completed.

**Total \$46,731.00**

ISG shall provide all material needed to complete this installation. ISG shall assist with any permits that may be needed to cross Dixon Road.

If you should have any questions, please do not hesitate to contact me at 678-315-1844 or [tom.bryant@isgsystems.com](mailto:tom.bryant@isgsystems.com)

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