

## **College of Textiles Communication Technologies Renovation/Upgrade Project**

A brief summary of project, scope and phases of project and how it will impact building occupants:

### **Scope**

The scope of this project is to upgrade the communications cabling and network electronics for the building. We anticipate starting Phase 1 early in the fall. A completion date is hard to gauge, due to many variables, but my guess is by late spring we will be wrapping up.

### **Phase 1- Demolition/Temporary Service**

A wiring contractor will remove unused cabling in from existing outlets in rooms, to existing wireway in ceilings, to existing communications equipment rooms. The contractor will need to have access to rooms for a small amount of time, perhaps 30 to 60 minutes total.

There are some locations where an existing outlet, which is in use, will need to be re-used or modified. In these locations, the contractor will need to provide temporary cabling. They will need to be in the rooms for approximately 1 hour total per outlet. There will be exposed cables from the ceiling along a wall for the duration of the project until the new service is available to transfer over to. This will very likely be 4-6 months due to scope of the project. There are relatively few locations in offices where this will be required. Temporary service will need to be provided in all locations where outlets are located on 4" gray metal raceway that is mounted on walls. These locations are primarily in lab areas. This is due to re-using this infrastructure.

This phase will begin the project, but Phase 2 will begin prior to the completion of all of the removals or temporary cabling.

### **Phase 2 - Raceway**

An electrical contractor will be modifying existing outlets, installing new outlets, installing new wireways above ceilings and installing large conduit in the ceiling in this phase of construction. The contractor should give a minimum of a 24-hour notice prior to doing work in a room. If contractor is modifying an existing outlet, they will need approximately 1 hour per outlet. These outlets are shown on the drawings as a black triangle with two X's next to it. If contractor is installing a new outlet, they will need approximately 3 to 4 hours total per room. These outlets are shown as a black triangle with either an F(flush mounted, inside wall) or an S(surface mounted, 1" conduit on wall). Most of the wireways and large conduit

will be installed in corridors and should not affect individual rooms. Where they are in rooms, the work will take a considerable amount of time and will be coordinated closely with the occupants.

Most of this work is planned to happen during normal business hours. However, we realize that some work will need to be done during off hours due to the nature of the room affected, i.e. computer lab areas or classrooms.

This project will happen concurrently with Phase 3 of this project, which is the general construction of communication equipment rooms.

### **Phase 3 -Telecommunications Room Construction**

A general contractor will be constructing new communication equipment rooms and modifying some existing communications rooms. Coordination will need to take place in the areas where new rooms are being built, primarily to move what is currently in these spaces. The areas primarily affected by this are rooms G120B, room 1103, room 2207B, room 3337/3338 and room 4405A. Special protection measures have been requested for work in the library area.

This project will happen concurrently with Phase 2 of this project, which is the raceway construction project.

### **Phase 4 -Wiring**

A wiring contractor will be installing new category 6 cabling to the outlets. The outlets that will have new cabling are shown as black triangles on the drawings. The outlets that are shown as an open triangle will not have new wiring installed to them and will have a blank plate cover installed at end of project. The contractor will need to access a room approximately three times during this phase of the project. The contractor will pull cabling to the outlet, come back and terminate the jacks and install faceplates, and then come back to test the outlet. Some of these tasks could occur at the same time.

### **Phase 5 – Transfer of Services**

Communication Technologies staff will head up this phase with assistance from a wiring contractor. This phase is transferring occupants over to the new service. We will need access to rooms to inventory phone line locations and assess patch cord needs for both phone and data. We will then need access to install patch cords for phone and data and verify that everything is working correctly.

### **Phase 6 - Demolition**

A wiring contractor will remove all of the old existing cables that are remaining. Blank plates will be installed at the outlet boxes. The contractor will need access to rooms to remove old faceplates and wiring. Approximately 30 minutes per outlet will be needed.