

# Town of Glastonbury

**GL-2012-03**

**Fiber Backbone Cabling**

**Addendum #2**

**September 13, 2011**

**Revised Due Date 09/29/2011 @ 11:00 A.M.**

The attention of bidders submitting proposals for the above referenced project is called to the following Addendum to the specifications. The items set forth herein, whether of omission, addition, substitution or other change, are all to be included in and form a part of the proposed Contract Documents for the work. Bidders shall acknowledge this Addendum in the Bid Proposal by inserting its number on Page BP-1.

Question 1: Since most of the product specified is Corning, will you require an NPI to extend a manufacturer's warranty on this project?

Answer: The products referenced are Corning or "approved equal". A manufacturer's warranty is acceptable. There are provisions in the bid to submit the details of the warranty being provided. Where the phrase "or equal" or "or equivalent" occurs in the Contract Documents, the material or method must be so approved for this Work by the Town.

Question 2: Can you clarify the fiber connection for Button Ball School?

Answer: In reviewing the plan it was discovered that after the fiber layout was designed, the splice enclosure at the High School was relocated into the high-school's NOC. The Fiber Layout for Button Ball School should now route directly into the Fiber Enclosure in the High School. The twelve strands will be terminated in the enclosure and the remaining strands can be left dark.

Question 3: Do you really need six strands per tube for the fiber cable?

Answer: The purpose of the six strands of cable per tube was for the purpose of being able to split off six strands at a drop location without splicing the remainder of the strands. If the bidder is able to use the "Ring cut method" for separating out six strands of fiber without having to splice the remaining strands then using twelve strands per tube is acceptable. Please note that the fiber strands still need to utilize the enhanced fiber with lower attenuation. The new Corning part numbers for 12 strands per tube are as follows;

24 Strands – 024EU4-T4100D20

48 Strands - 048EU4-T4100D20

96 Strands - 096EU4-T4100D20

Question 4: Will you be providing a route Diagram to the Bulky Waste Facility?

Answer: The plan for Bulky Waste is to run the cable in new underground conduit from the back side of Nayaug Elementary School to the Bulky Waste Facility Trailer. The distance is approximately 1,500 feet.

Question 5: Is Button Ball School part of the base Bid?

Answer: Yes.

Question 6: Is there a building layout for TownHall/Academy?

Answer: A layout has been generated and is added to the bottom of this addendum as Exhibit A.

Question 7: What buildings require plenum rated cable?

Answer: The Town uses plenum rated cable inside all buildings. There are so few locations where plenum rated cable is not required that we only use the plenum rated version. The only exception is materials used exclusively inside the High School NOC (Network Operations Center). In addition it is required that appropriate hangers be used for the cable. Cable is not allowed to be laid on ceiling tiles.

Question 8: Please verify the distance to the Magnet School?

Answer: The routing of the Magnet School changed right before the Bid was released. Assuming the drop enclosure is located on Commerce Street so that it can share the same enclosure with the Bus Yard the distance would be approximately 2,400 ft. If you use a separate drop enclosure for the Magnet School the distance would be approximately 1,700 feet.

Question 9: Do you want a point by point response to each requirement?

Answer: The Bid Response pages are the part of the bid that has to be returned. Each part of the Bid Response must be completed.

Question 10: Sect 4.2.2.6 requires a double dead end every 200 poles or 2,000 feet. Is this required for cable lashed to a messenger?

Answer: No. Since we have specified that the system will use cable lashed to a messenger, section 4.2.2.6 no longer will apply.

Question 11: In Pricing for Item 6 for additions/reductions, do you want separate prices for each Strand count of Cable?

Answer: Yes, include pricing changes for the 24 strand, 48 strand, and 96 strand cables.

Question 12: What does Section 4.4.12 refer to?

Answer: It is a reference to the use of riser conduits if cabling is to be routed between closets and conduits or boring is required. This section does not apply to this project.

Question 13: In Question 8 of the first Addendum it was stated that the electrical classification should be used for prevailing wages for telecommunications technicians. What about Tesla Drivers and Groundmen?

Answer: Job Classification questions should be directed to the Connecticut Department of Labor regarding what classifications fit what jobs. The Town previously verified that since there is no classification for a Telecommunications Technician the appropriate alternate classification is electrician.

Job classifications and rates are included in Attachment A of the Bid. If you have questions about how to classify your workers it is best to get information from the DOL. Phone number for the Department of Labor is (860) 263-6000. Website is [www.ctdol.state.ct.us](http://www.ctdol.state.ct.us)

Question 14: Are all new fiber cables 48 strands?

Answer: No. There are some drop cables that are 24 strands and there is one backbone cable that is 96 strands. Details can be found in the Section 4.3 Description of Fiber Segments, Building Layout pages of Appendix B, and the Network Map that has the different strand counts color coded.

Question 15: Do you have a sample Performance and Payment Bond form?

Answer: Performance and Payment bonds are only applicable to the selected contractor. Please see the bid specifications for Bond Requirements, there is no required form.

Question 16: What is the time allowed for construction?

Answer: Phase one of the project includes the fiber segment GHS-1. This segment is about seven miles in length. This segment has a required completion date by August 1, 2012. The remaining three segments will have a required completion date of December 1, 2012. Contractor will be required to start work no later than 14 calendar days after the date of award, including ordering of any materials with extended lead times.

Question 17: Are there any penalties if it exceeds the time allowed?

Answer: Penalties for delayed completion of project will be liquidated damages of \$130.00 per day.

Question 18: Does the project require any special "Maintenance and Protection of Traffic" other than typical signs and cones?

Answer: No. This item is only about signs and cones. Where ever possible it is preferred that two way traffic is maintained.

Question 19: Do all the buildings in Appendix B require new rack/wall mounted panels and what type of panel is acceptable?

Answer: All buildings in this project will require new wall or rack mounted panels. Whether it is wall mounted or rack mounted is specified in Appendix B. The Panel types and specifications are included in the Bid Document.

Question 20: Due to the power outages and great deal of work contractors have to restore service, can the deadline be extended?

Answer: Yes. The revised due date for bid submission is included in the heading of this addendum.

### **Information Update:**

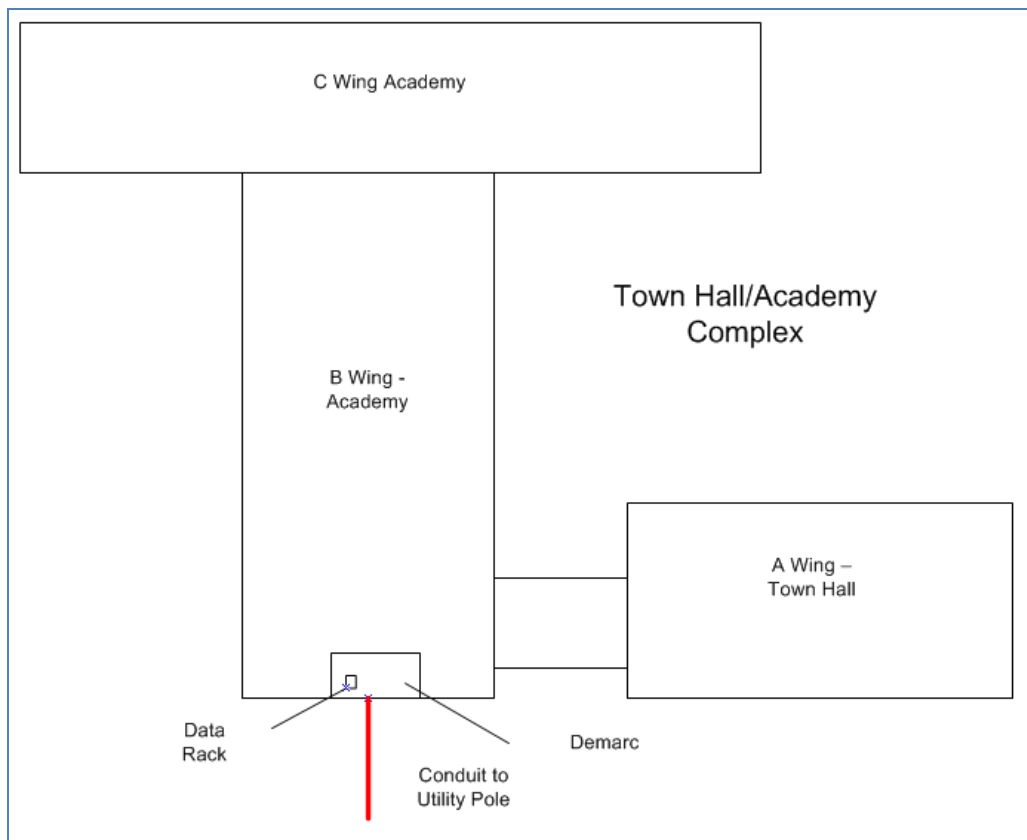
There were questions about the intersection of Main Street and Griswold Street during the Pre-bid Meeting. Surveys have been done and information has been requested from AT&T regarding what appear to be available conduits to run from the existing poles near the intersection. See the Exhibit B

for a layout. At this point the plan is to run through existing conduits to round the corner. If additional information becomes available an Addendum will be issued.

Exhibit A

Town Hall/Academy

2155 Main Street/2143 Main Street.



**Fiber Termination Location:** The cable will enter via underground conduit and terminate in a new rack mount enclosure in the Demarc Room. The other end routes all the way back to Glastonbury High School and routes into the Splice Cabinet. The conduit to the street is less than 200' and the demarc room is about 12'X18'.

**Fiber Cable Route:** The cable routes from the Glastonbury High School Network Operations Center to the Academy Demarc room.

# Exhibit B

