



## Addendum # 3 to the City of Westminster Fiber Optic Network Operator Project IT-265-C

Owner: City of Westminster  
Consultant: CTC Technology & Energy

The City is building a municipal dark fiber-to-the-premises (FTTP) network, and seeks a Network Operator (Operator) who will lease the dark fiber, light the network, and make available capacity to Internet Service Providers (Service Providers) in an open, non-discriminatory fashion.

Questions received via pre-bid meeting and email from potential bidders.  
Answers provided by the City staff and consultant:

Q1: Is there an intended difference of the hub/network facilities in service area A vs. B?

A1: *Yes, the specifications of the facilities provided by the City for the two service areas reflect their differing roles in the anticipated network deployment. The equipment shelter in Service Area A provides a datacenter-quality space suitable for sensitive electronics serving a central role in service delivery and network management for both service areas, and possibly for a citywide deployment. The equipment enclosure in Service Area B is intended primarily to support environmentally hardened network transport hardware (e.g. an active and/or passive aggregation point). Both facilities offer backup power generation for extended runtime during long-term primary power outages.*

Q2: How many businesses are actually within service range; background section says 110, overview of service area A says approximately 250 businesses are actually within the service area?

A2: *Based on the field surveys performed for development of the engineering plans, we identified a total of 42 buildings containing 193 business units. Among the total available business units, approximately 110 are estimated to be occupied. Substantial growth potential exists in this relatively new business park development, and as such, the network design reflects an estimated potential capacity requirement for 250 businesses. This includes the development of vacant lots and the potential for subdivision of some existing units.*

Q3: How many buildings does “250 business units”, “300 apartment residences” and “10 assisted living / nursing home residences” represent?

A3: *Please see the previous response for details regarding the business units. The apartment residences span a total of five high-rise, multi-dwelling units, each having multiple wings. The 150 assisted living / nursing home residences span three buildings.*

Q4: Also, to confirm: this design is effectively to the curb; the role of the service provider would also include connecting fiber from places like handhole to home, correct?

A4: *Correct, the City's minimum baseline scope of the fiber plant construction delivers connectivity to underground handholes within the rights-of-way adjacent to business and residential properties in the identified service areas. However, there are two optional, budget-dependent construction components incorporated in the City's plans. For Service Area A, the anticipated scope of the City construction includes fiber termination within each business facility. In most cases, fiber termination will likely occur within a utility demarcation area common to multiple business units within a building. For Service Area B, City construction plans include an option to install fiber optic service drops to the exterior of an estimated 100 residential dwellings – single family and attached homes owned by the Carroll Lutheran Village.*

Thanks,

Robert Miller  
Manager  
Technology Services  
City of Westminster  
410-848-4363  
rmiller@westgov.com