CenturyLink QC

Chadron NBBD Grant Application

The project area includes areas in Chadron east of Highway 385 extended to Bartlett Road on the north and areas past Ridgeview Road on the east and south to the populated locations within the city limits.

CenturyLink QC will create detailed engineering plans, obtain all permits and licenses from the city of Chadron as well as any county and state permits. The project will be a mixture of aerial and buried fiber, and expects zoning, rights-of-way and permitting risks to be minimal as CenturyLink QC already has copper network in the same locations where the fiber network will be deployed. CenturyLink QC will coordinate with other utilities to attach to the utility poles for the aerial portions of the network build and will pre-locate underground facilities to minimize the risk of damaging other networks during construction of buried fiber.

CenturyLink QC will notify residents when the network is complete so they can order the new, upgraded service speeds.

As noted in Attachment E, CenturyLink QC will be using Corning fiber products and Adtran and Calix electronics. The fiber will be from Corning and is expected to last at least 30 years. The electronics, from Adtran and Calix, will have regular software updates and maintenance to extend the life to ten years or more, at which time it will be replaced.

CenturyLink QC’s Chadron central office is already capable of supporting fiber-based services and has backbone fiber to Omaha to support the services, connecting to the Lumen national network and regional internet hubs.

Please see the financial analysis for the project in Confidential Attachment H. CenturyLink QC’s project will be net cash flow positive before any electronics will need replacement and long before any fiber replacement will be necessary. As the components age, CenturyLink QC will identify those components requiring replacement and do so out of its capital expenditures or operating expense budgets.