

CLACKAMAS COUNTY BOARD OF COUNTY COMMISSIONERS

Policy Session Worksheet

Presentation Date: July 23rd, 2019 **Approx Start Time:** 3:00 PM **Approx Length:** 30 min

Presentation Title: Clackamas Broadband eXchange Projects Update

Department: Technology Services

Presenters: Dave Cummings, Dave DeVore, Duke Dexter

Other Invitees:

WHAT ACTION ARE YOU REQUESTING FROM THE BOARD?

Clackamas Broadband eXchange (CBX), a division of Clackamas County Technology Services, is providing an update of current CBX projects. No actions at this time.

EXECUTIVE SUMMARY:

In 2010, Clackamas County received a federal Broadband Technology Opportunity Program (BTOP) grant to develop a dark fiber network in Clackamas County east of the Willamette River. The grant funded a 180-mile dark fiber network that was constructed from 2010-2013. In the time since the grant expired, CBX has continued to expand the fiber footprint throughout Clackamas County connecting into areas such as Wilsonville, West Linn and Lake Oswego. This has allowed the expansion of services to many additional schools and public agencies and opportunities for use by local commercial service providers. To date, CBX has 325 miles of fiber optic cable in its fiber network.

Historically, CBX has expanded the fiber optic network either by internally self-funding new construction, or by being opportunistic and partnering with local agencies. Typically, local agencies fund the construction build and transfer ownership of the new fiber to CBX for management and maintenance thus expanding the CBX fiber presence to serve both the funding agency and others. This process has primarily been implemented via Service Level Agreements (SLAs) or Intergovernmental Agreements (IGA) that CBX has in place with all of our customers and agencies. This allows CBX to quote the agency for the build and proceed with their approval without the agency needing to use a bidding process. This is very effective because it allows CBX and the agency to make adjustments to the construction process and costs by mutual agreement.

FINANCIAL IMPLICATIONS (current year and ongoing):

The process of public agency funding of new fiber construction and transferring ownership to CBX is very beneficial to both entities. The agency receives significant long-term savings and services, while CBX increases its fiber presence that can be further utilized. The cost of construction is the financial responsibility of the public agency receiving connections to the fiber. No Clackamas County general funds are utilized in the expansion of the CBX fiber network.

Is this item in your current budget? X YES NO

What is the cost? \$

What is the funding source?

The majority of the CBX construction projects are less than \$100,000. With our successful design and cost estimates, there has been no cost to CBX because the public agency we contract with covers all costs. On large projects (greater than \$100,000), CBX utilizes project contingency, professional design assistance, and the RFP process with the construction vendors to minimize the potential of any project cost overruns.

STRATEGIC PLAN ALIGNMENT:

- How does this item align with your Department's Strategic Business Plan goals?
 - Increase the total size (linear feet) of the CBX fiber optic network available for new and current sites
 - Increase communication potential and capability between partnering agencies and institutions throughout the County and region

- How does this item align with the County's Performance Clackamas goals?
 - *Grow a Vibrant Economy*
 - Additional expansion of fiber and services will provide new economic opportunities for citizens of Clackamas County
 - *Build a Strong Infrastructure*
 - Fiber optic network expansion provides a stronger, more flexible and capable fiber infrastructure throughout Clackamas County and the region
 - *Ensure Safe, Healthy & Secure Community*
 - Fiber expansion allows critical fire, life, and safety agencies to be connected and utilize the high-speed communications capabilities of CBX

LEGAL REQUIREMENTS:

For all projects, County Counsel will be involved to ensure all legal requirements are met. All proposed partnerships and Intergovernmental Agreements will be reviewed by County Counsel as the agreements are developed.

PUBLIC/GOVERNMENTAL PARTICIPATION:

CBX works directly in partnership with many public and governmental agencies, assisting them to connect to and use the CBX network in support of their public service needs.

OPTIONS:

No options at this time. This is a presentation on proposed CBX projects.

RECOMMENDATION: N/A

ATTACHMENTS:

Attachment A: Current list of proposed CBX projects.

SUBMITTED BY:

Division Director/Head Approval: DD

Department Director/Head Approval: DC

County Administrator Approval _____

For information on this issue or copies of attachments, please contact: Duke Dexter @ 503-722-6663

Attachment A
CBX Projects Update
07.23.2019

- 1) Eastern wavelength Connection to Denver
 - a. Provide a redundant connection to harden Clackamas County and CBX networks
 - b. Provide other public and private entities with a redundant connection
- 2) Multnomah ESD Project
 - a. Provide dark fiber connections for schools both within and adjacent to Clackamas County
- 3) Washington County ITS Project
 - a. Intelligent Transportation Systems (ITS) for Washington County
- 4) Kiwanis Project
 - a. Partnership for FTTH project in underserved Clackamas County
- 5) Barton Park
 - a. Partnership with local telecommunication company for connectivity to County Roads and Parks to Barton Park
- 6) Various single Connections: OLCC Milwaukie Office, Harmony Academy, LSN Mulino Connection, ODOT HWY 26 Connection, CSWCD Beaver Creek Connection, Lake Oswego Lakeview Connection, NCPRD Concord Connection.....