**ATTACHMENT M\_1**

**SUPPORTING DOCUMENTATION**

**ADDRESS VALIDATION METHODOLOGY AND RESULTS**

American Broadband uses a very rigorous and detailed methodology to analyze the current state of broadband speeds in a market. We have refined this methodology over 20 different market assessments covering hundreds of thousands of homes passed.

For the South of Fort Calhoun project, we extracted addresses for the entire region stretching from Fort Calhoun to Interstate 680 in North Omaha. We then entered each address into Lumen’s and Cox’s respective serviceability engine (Lumen [here](https://www.centurylink.com/) and Cox [here](https://www.cox.com/residential/internet.html)). These searches were performed in June 2022. These addresses are included in Attachment B.

We excluded all Cox addresses where an address search showed DOCSIS availability. To create the polygon shown in Attachment A, we have allowed a geographic “buffer” to reflect possible additional unplanned construction. We drove this route in late June 2022 to confirm that there was no additional “make ready” activity on any poles. While we cannot speak to Cox’s future plans, we can say with confidence that each of the 795 addresses shown in the polygon are not in Cox’s current broadband service territory.

For Lumen, the results to the right show the download speed displayed to the customer using the link above. While we have identified three addresses (all on Northern Hills Drive, 68152) that are served by fiber, we did not find any speeds offered other than the ones found in the nearby table. (Note: We are not requesting funds for these three homes currently serviced with fiber).

It’s also important to note that for each of the 12 addresses where 100 Mbps download speeds were offered, the order page indicated that upload speeds “up to 10 Mbps” would be expected. As a result, none of the addresses other than the three on Northern Hills Drive met the 100/20 threshold.

The result is that 81% of the identified service area is unserved (641/792 = 81%) by Lumen and that 60% of the identified service area cannot obtain any broadband speeds today.

Note: While the FCC maps identify the possibility of Lumen providing 140 Mbps downloads (and 40 Mbps upload speeds), we did not find this speed combination offered to any customer in this region in our analysis.