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During the past 50 hours, I worked on several projects involving aerial work. This kind of work can be physically intensive. As part of my daily tasks, I had to ensure that all circuits were functional and clear by using Cox's network operations center and calling in a service ticket. This was an essential step towards achieving my learning objective of gaining understanding in aerial fiber optic cable construction.

I worked on a COX Business project where we made a cut into a network ring which involved redirecting fibers allocated to that network ring to the end user. Our main goal was to establish a new local backbone for our end user by providing them with fiber optic access. During this project, one of my tasks was to construct multiple aerial splice enclosures. I had to coordinate with our ISP specialist who was responsible for setting up the network panels inside the facility.

The existing network equipment was located on one side of the building, while the new equipment needed to be installed on the other side. This meant we had to take down service for the end user for about 6 hours total of down time in order to transfer service from their old network to the new one we were establishing. This was a bit of an issue as the outage was not planned so we had to work as effectively as possible to minimize downtime within our service window. It took a coordinated effort with a lot of spontaneous problem solving to successfully complete the project but it was completed. We knew the integrity of our work was complete when the NOC (Network Operations Center) checked the circuits we were working on and confirmed they were functioning as they should.