

ATTACHMENT A

OHIO

HUDSON

Velocity Broadband • City Hall • 1040 Terex Road • Hudson, Ohio 44236 • (330) 342-9541

Date: January 3rd, 2025

To: Thomas J. Sheridan, City Manager

Cc: Paul Leedham, CIO – IT Director, Jeff Knoblauch, Assistant City Manager

From: William Ersing, Assistant IT Director

Re: Feasibility and estimated cost to install a public wireless network in downtown Hudson

Thom,

Currently, Velocity Broadband offers limited public wireless service in the downtown area, specifically covering parts of the Gazebo Green and Clocktower Green. This service was first established in 2015 at the request of special event vendors, with the equipment generously provided by an IT vendor at no cost to the City. Since then, Velocity Broadband has maintained the system and provided additional wireless support for vendors during special events. In the summer of 2021, the network was temporarily made available for general use to gauge demand. The results showed an average of 400 daily device connections, peaking at 1,000 during special events.

Despite considering the expansion of the wireless network several times, no concrete actions have been taken. A reliable network capable of supporting daily public use and scaling for larger events would be best implemented in two distinct areas.

1. **First Area:**

- a. **Coverage:** Primary green spaces like the Clocktower Green, Gazebo Green, Baldwin-Buss House Green, and the First and Main Green.
- b. **Size:** Approximately 264,000 square feet.
- c. **Cost:** Estimated at \$25,000.
- d. **Timeline:** Partial implementation within 3-4 weeks, full completion in three months.
- e. **Infrastructure:** Leveraging existing infrastructure to reduce costs and accelerate the timeline.

2. **Second Area:**

- a. **Coverage:** All outdoor spaces in the downtown area, including N. Main St, the entirety of First and Main, the Boy Scout Cabin Green, and the green east of the cabin.
- b. **Size:** Approximately 500,000 square feet.
- c. **Cost:** An additional \$65,000.
- d. **Timeline:** Substantial completion targeted by June 1st.

Velocity Broadband's scalable public wireless network is well-suited to support the increased use and capacity of these expanded areas. The existing network can accommodate thousands of simultaneous connections, ensuring reliable performance during large events.

Total Estimated Cost: \$90,000

- **Area 1:** \$25,000
- **Area 2:** \$65,000

A phased approach is recommended, with priority given to deploying Area 1 to deliver immediate benefits, followed by Area 2, which could be resized into smaller, targeted zones to reduce costs if necessary. Substantial completion of Area 2 remains achievable by June 1st. The estimated area build cost includes labor costs for staff and contractors needed to complete the network installation.