



# Downtown Wi-Fi Access Project RFQ Responses Report

## **Background**

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### **Project Goal**

CREATE Fayetteville wants to provide the entire downtown area with high-speed wireless internet access by the end of September 2012, and for this service to be available for a minimum of three years.

We believe that providing this technology infrastructure furthers our stated mission of fostering economic development by embracing technology. In order to do this our wireless network needs to be reliable and have high enough speed to be used for serious business. We are also concerned about network security in the sense we do not want to make our community a popular target for computer hackers and other technology evil-doers. In the end we want a safe, reliable, and “fast enough to do real work” wireless network that will inspire our residents and businesses, and attract new businesses, customers and tourists.

### **Maintenance and Reliability**

We also need details on maintenance plans and how they are priced in the overall package. Everyone needs to know the connection between any maintenance and reliability.

### **Network Speed**

We stated our goal as providing a wireless network fast enough for “real work”, which today is generally defined as broadband access. Even this term has become too vague as the FCC considers 200 kilobytes per second (kbps) to be the beginning of broadband and most users consider the old T1 speed of 1.5 megabytes per second (Mbps) to be a minimum. Your plan must discuss network speed and broadband Internet access. You must state the highest wireless speed connections supported, both for uploading and downloading. You must state the speed of the connection from the wireless node to the Internet and if it differs for uploading and downloading. You must also discuss how these speeds might vary with use and what we might expect if the network is overloaded.

## Proposed Coverage Areas

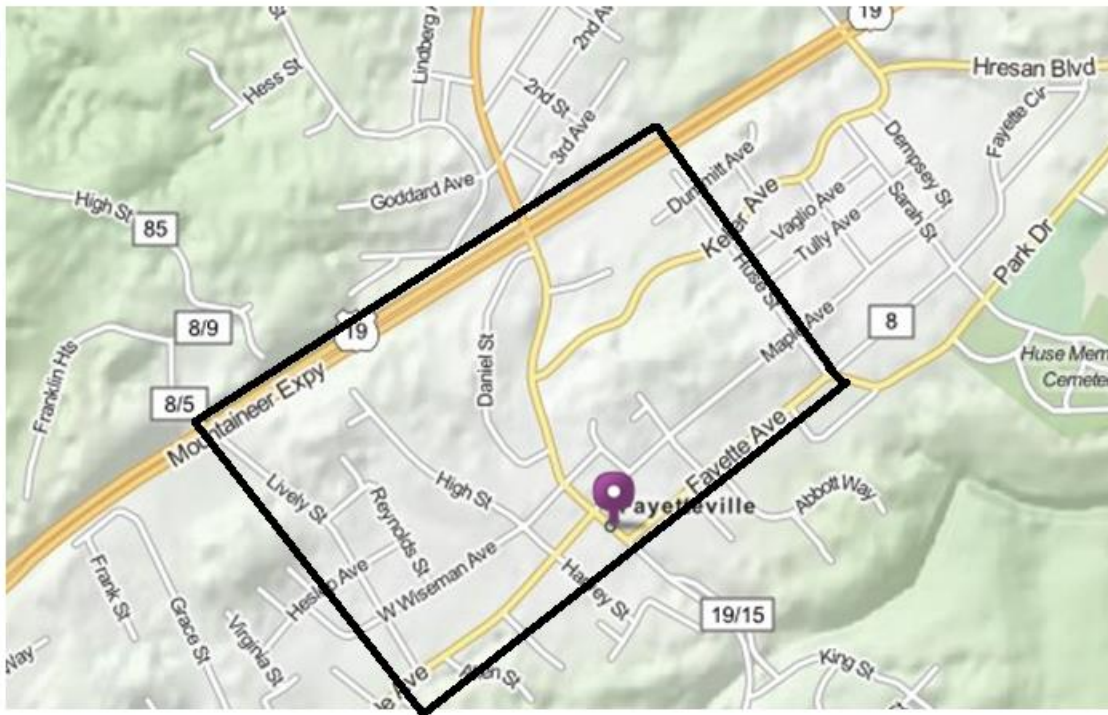
**Area 1)** a 2 square block area of downtown bounded by Court St., Fayette Ave., E. Wiseman Ave. and Church St;

Area 1



**Area 2)** an approximate 35 square block area bounded by Lively St., Academy St., Huse St., and Highway 19; and

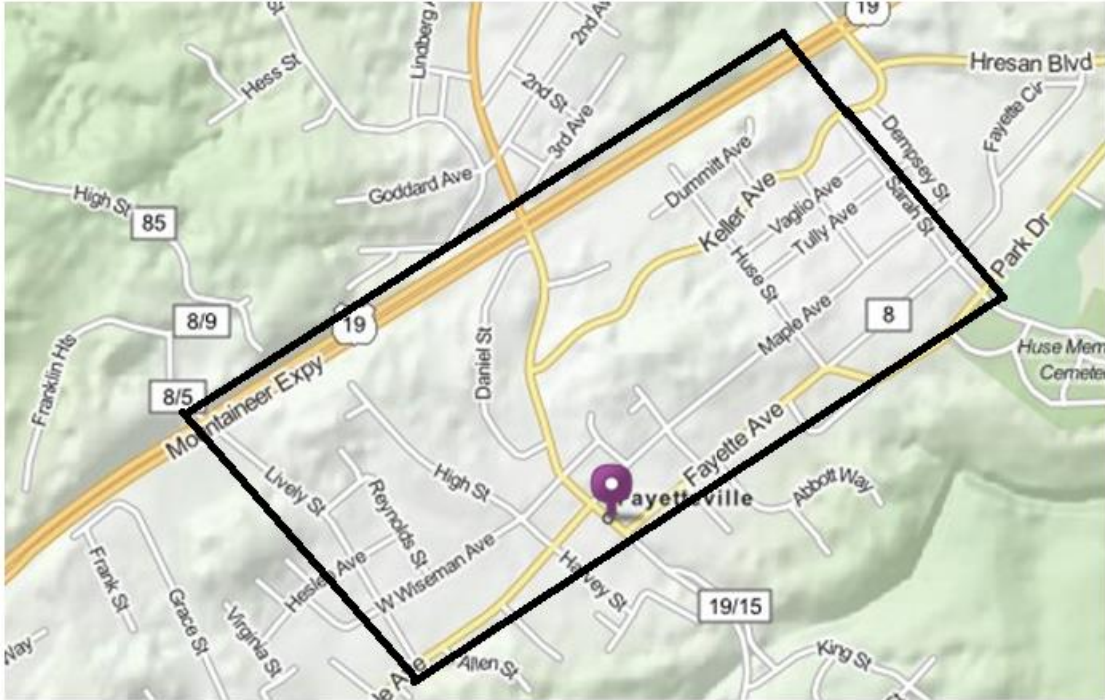
Area 2



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**Area 3)** an approximate 48 square block area bounded by Lively St., Park Dr St., Sarah St., and Highway 19. See attached map for a drawing of these three areas.

Area 3



**Town Council Sponsorship Options**

	<b>OPTION 1: Full Network – 3 yrs Meraki/Frontier</b> [Fayetteville Owned]	<b>OPTION 2: Full Network – 3 yrs Frontier</b> [Frontier Owned]	<b>OPTION 3: Meraki Equipment</b>	<b>OPTION 4: Frontier Internet – 3 yrs</b>
	Quote Includes: <input type="checkbox"/> Labor <input checked="" type="checkbox"/> Parts <input checked="" type="checkbox"/> Equipment <input checked="" type="checkbox"/> Internet Egress <input type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Support (via Meraki’s Cloud computing wi-fi network managing tool)	Quote Includes: <input checked="" type="checkbox"/> Labor <input checked="" type="checkbox"/> Parts <input checked="" type="checkbox"/> Equipment <input checked="" type="checkbox"/> Internet Egress <input checked="" type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Support	Quote Includes: <input type="checkbox"/> Labor <input checked="" type="checkbox"/> Parts <input checked="" type="checkbox"/> Equipment <input type="checkbox"/> Internet Egress <input type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Support (via Meraki’s Cloud computing wi-fi network managing tool)	Quote Includes: <input type="checkbox"/> Labor <input type="checkbox"/> Parts <input type="checkbox"/> Equipment <input checked="" type="checkbox"/> Internet Egress <input type="checkbox"/> Maintenance <input type="checkbox"/> Support
<b>Area I</b> (600 ft radial coverage)	a. <b>1.5 Mbps Dedicated Internet Access:</b> $\$1,799 + (\$500 \times 36) = \boxed{\$19,799}$  b. <b>3 Mbps Dedicated Internet Access:</b> $\$1,799 + (\$697 \times 36) = \boxed{\$26,891}$  c. <b>10 Mbps Dedicated Internet Access:</b> $\$1,799 + (\$1,034 \times 36) = \boxed{\$39,023}$	(No quote provided)	a. $\boxed{\$1,799}$	a. <b>1.5 Mbps Dedicated Internet Access:</b> $\boxed{\$18,000}$  b. <b>3 Mbps Dedicated Internet Access:</b> $\boxed{\$25,092}$  c. <b>10 Mbps Dedicated Internet Access:</b> $\boxed{\$37,224}$

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<b>Area 2</b> (2640 ft radial coverage)	(No quote provided)	(No quote provided)	b. \$10,794	(No quote provided)
<b>Area 3</b> (5280 ft radial coverage)	(No quote provided)	a. <b>Metro Ethernet and/or Dedicated Internet Access:</b> \$604,548	c. \$14,392	(No quote provided)