

# COMMUNITY Wi-Fi EXPANSION

**MIKE SEARIGHT**

*Chief Information Officer*



# COMMUNITY WIFI

WACO CITY COUNCIL



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# Community Wi-Fi Expansion: *Update*

- Project Overview
- Community Wi-Fi Expansion Locations
- Project Milestones and Current Status
- Financial Update
- Next Steps
- Questions?



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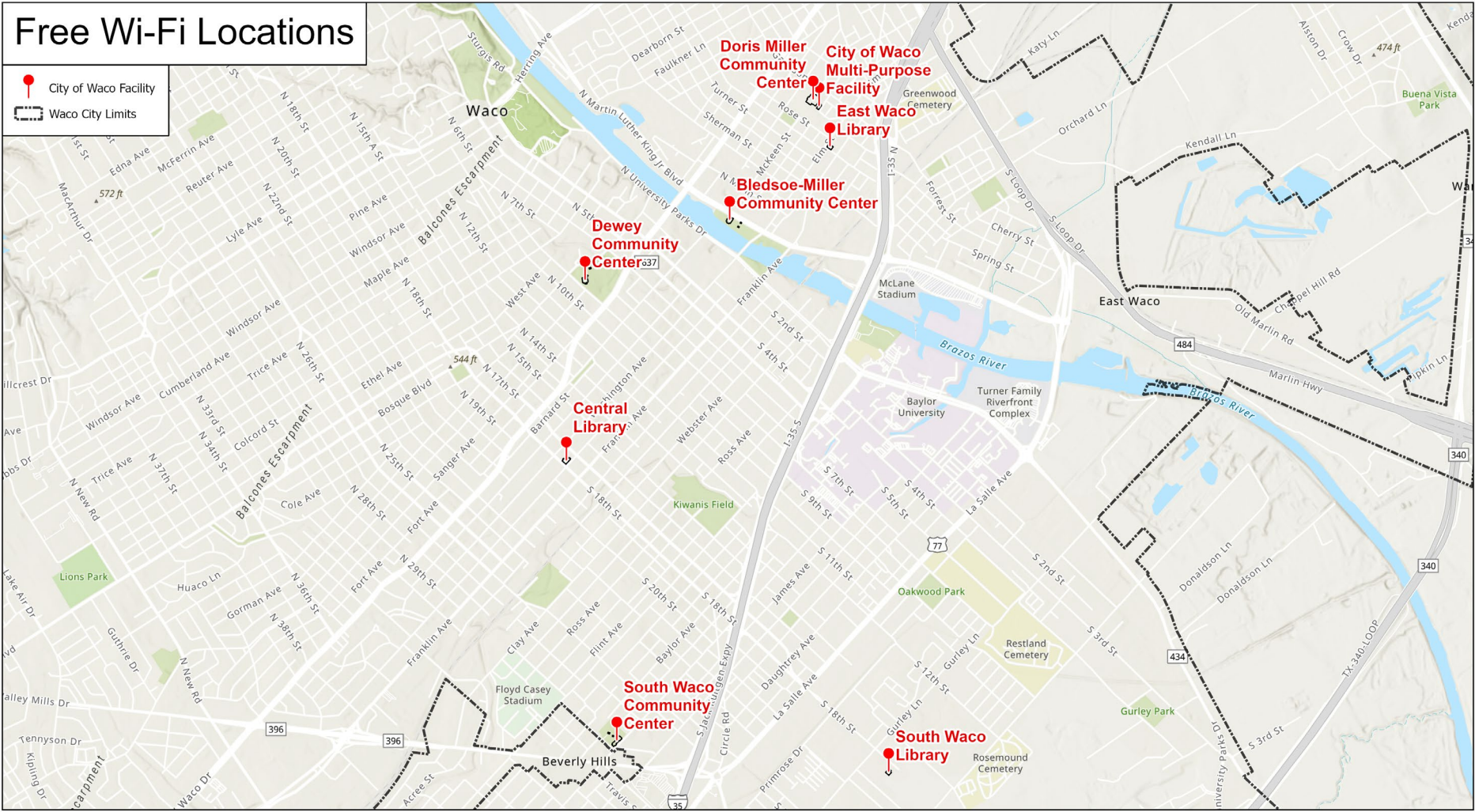
# Community Wi-Fi Expansion: *Project Goals*

- **Bridging Digital Gaps:** Extending Wi-Fi to underserved community areas.
- **City Facility Connectivity:** Activating Wi-Fi at city-owned properties.
- **Reliable & Safe Wi-Fi:** Ensuring Wi-Fi is dependable, robust, and secured.
- **Uniform Connectivity Experience:** Delivering a consistent Wi-Fi experience for both residents, visitors, and municipal services.

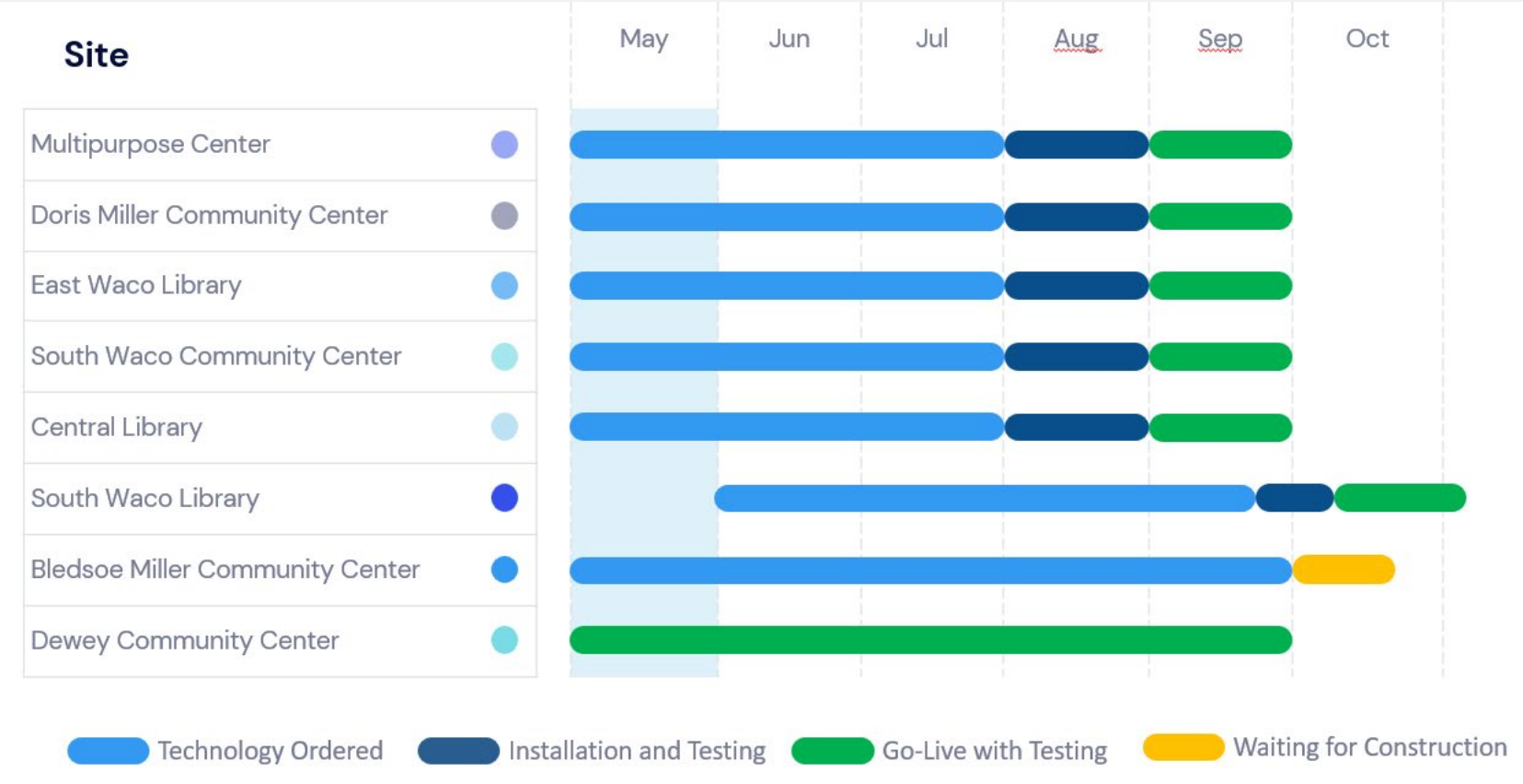


# Free Wi-Fi Locations

- City of Waco Facility
- Waco City Limits

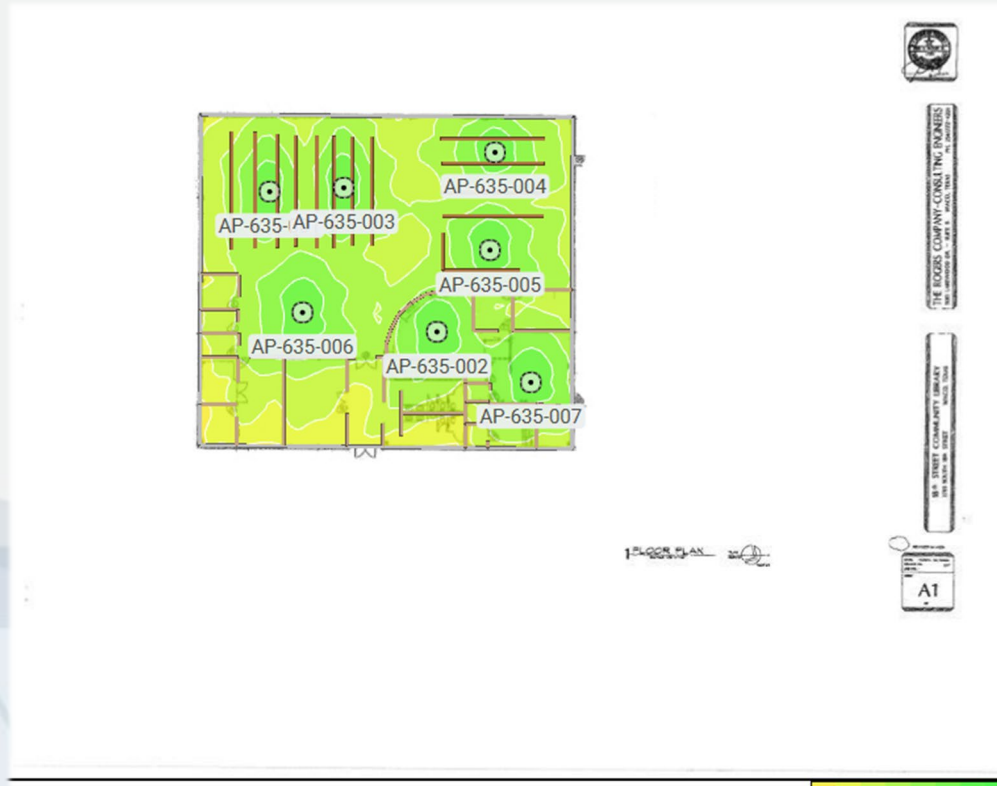


# Community Wi-Fi Expansion: Project Milestones and Current Status



# Community Wi-Fi Expansion: South Waco Library

## Indoor Wi-Fi Access Points



# Community Wi-Fi Expansion: South Waco Library

## Outdoor Wi-Fi Access Points

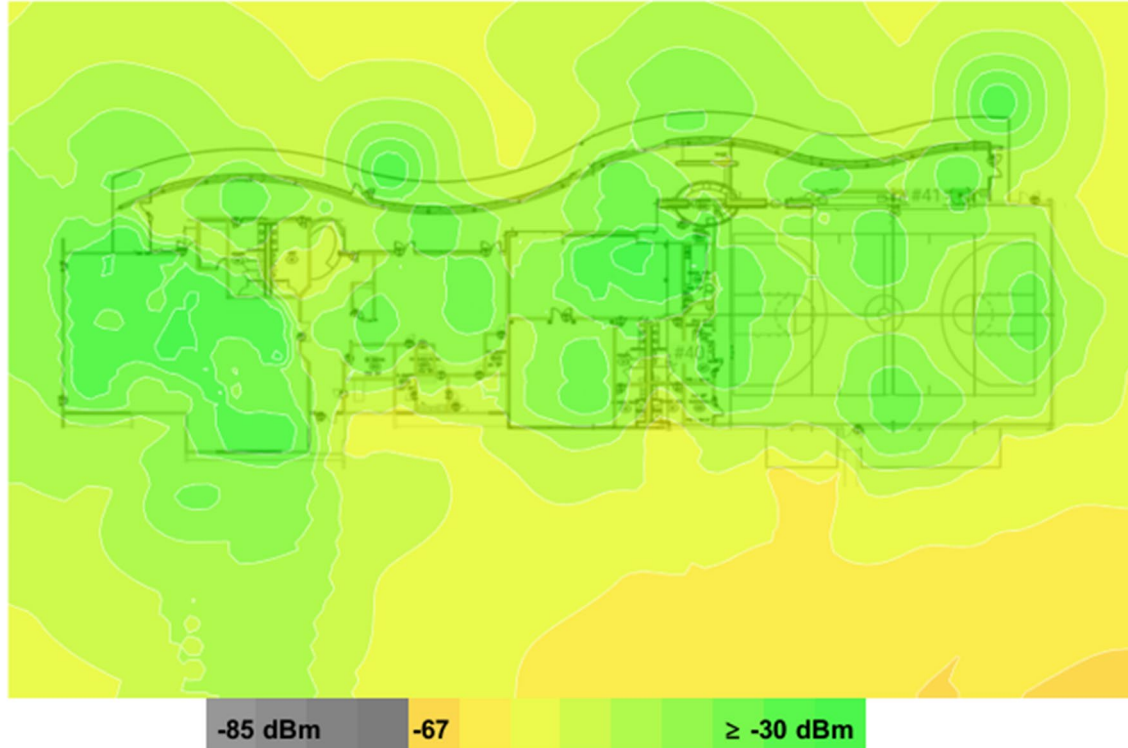




# Wi-Fi Network Report: South Waco Community Center

## Wi-Fi Network Report

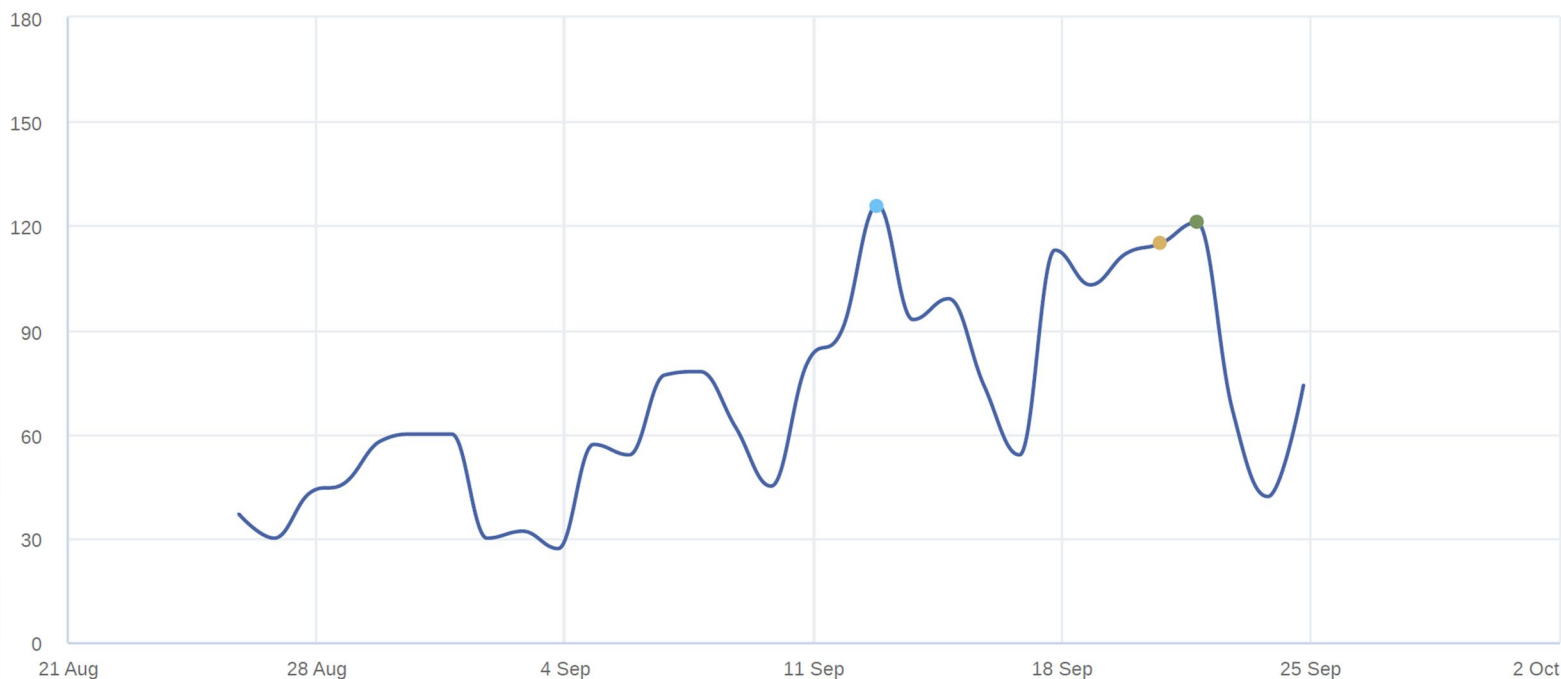
### Signal Strength for South Waco Rec Indoor Access Points





# Community Wi-Fi Expansion: Usage Reports (Doris Miller, Multipurpose, East Library, Central Library, and South Waco Community Center)

UNIQUE CLIENTS PER DAY

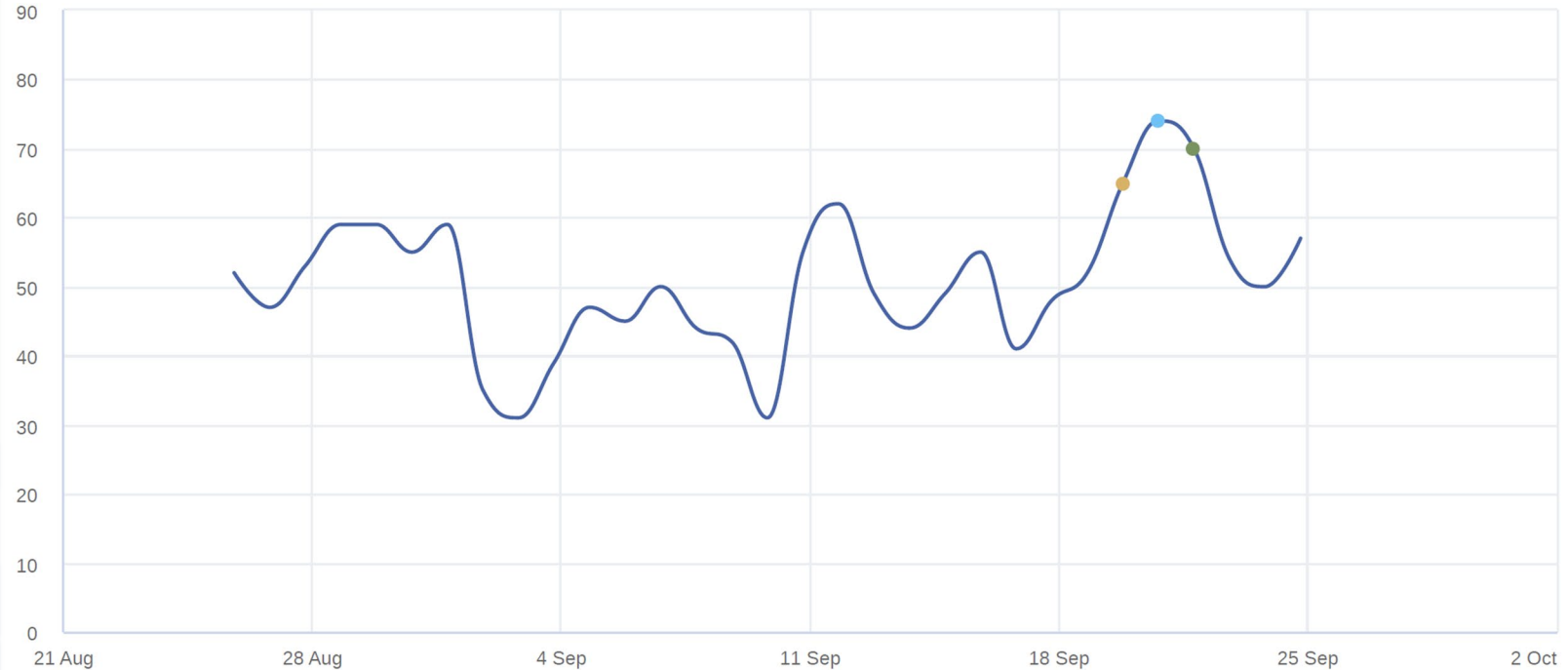


TOP 3 CLIENT COUNT

● 126 (Sep 12) ● 121 (Sep 21) ● 115 (Sep 20)

# Community Wi-Fi Expansion: Dewey Usage Report

## UNIQUE CLIENTS PER DAY



## TOP 3 CLIENT COUNT

● 74 (Sep 20) ● 70 (Sep 21) ● 65 (Sep 19)

# Community Wi-Fi Expansion: Wi-Fi Speed Tests

Broadband is defined by the Federal Communications Commission (FCC) as a connection with at least 25 Mbps download speed and 3 Mbps upload speed

## Doris Miller Community Center

Avg Speed	Download	Upload
<b>Indoor Speed</b>	240 Mbps	271 Mbps
<b>Outdoor Speed</b>	131 Mbps	169 Mbps

## East Waco Library

Avg Speed	Download	Upload
<b>Indoor Speed</b>	285 Mbps	245 Mbps
<b>Outdoor Speed</b>	255 Mbps	205 Mbps

## South Waco Community Center

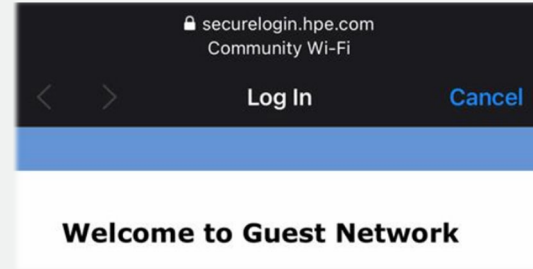
Avg Speed	Download	Upload
<b>Indoor Speed</b>	223 Mbps	15 Mbps
<b>Outdoor Speed</b>	173 Mbps	15 Mbps

## Central Library

Avg Speed	Download	Upload
<b>Indoor Speed</b>	279 Mbps	85 Mbps
<b>Outdoor Speed</b>	160 Mbps	85 Mbps

# “Community Wi-Fi”: User Experience

- **Uniform Wireless Experience:** Seamless connectivity at every location.
- **Password-Free:** Hassle-free access without the need for passwords.
- **Enhanced Security:** Safeguarded browsing with a secure connection.
- **Robust Traffic Filtering:** Advanced systems to filter and block unwanted internet traffic.





# Community Wi-Fi Expansion: Financial Update

\$350,143.19 in Community Wi-Fi Investments



Dewey Community Center

**\$41,750.22**



Doris Miller Community Center, Multipurpose Center, East Waco Lib, Central Library, South Waco Community Center, Bledsoe Miller Community Center

**\$277,693.47**



South Waco Library

**\$30,699.50**



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# Community Wi-Fi Expansion: Next Steps

- **Consistent Bandwidth Tracking:** Logging bandwidth at every location to guarantee optimal user experience.
- **Robust Support Systems:** Establishing a comprehensive technical support system.
- **Community Engagement:** Launching awareness campaigns tailored for our community.
- **Facility Expansion:** Investigating other City of Waco-owned facilities for potential integration.
- **Fiber-Optic Vision:** Crafting a strategy to bolster bandwidth and enhance access in vital city regions.

# Community Wi-Fi Expansion: IT Implementation Team

- John Branch – IT Manager of Infrastructure
- James Ellis – IT Analyst
- Darrel Ross – Sr. Network Engineer
- Mark Popp – Sr. IT Analyst Security
- Justin McGraw – IT Analyst Security

# Community Wi-Fi Expansion: *Update*

## *Questions*