

PUBLIC WI-FI EXPANSION

MIKE SEARIGHT

Chief Information Officer



Community Wifi

WACO CITY COUNCIL - MAY 2, 2023

Public Wi-Fi Expansion: *Update*

- Project Goals
- Public Wi-Fi Expansion Proposal
- Public Wi-Fi Expansion Locations
- Public Wi-Fi Strategy
- Questions

Public Wi-Fi Expansion: *Project Goals*

- Enable Wi-Fi for **underserved areas** of our community
- Enable Wi-Fi at **city-owned facilities**
- Enable **reliable, robust, and secure** Wi-Fi
- Enable a consistent **user experience** for the community and visitors

Public Wi-Fi Expansion: Proposal

- Wireless upgrades for 6 City of Waco facilities
- 139 indoor/outdoor wireless access points
- 9 network switches
- 5 firewalls for secure wireless access
- Network cabling and installation
- \$277,693.47 Investment

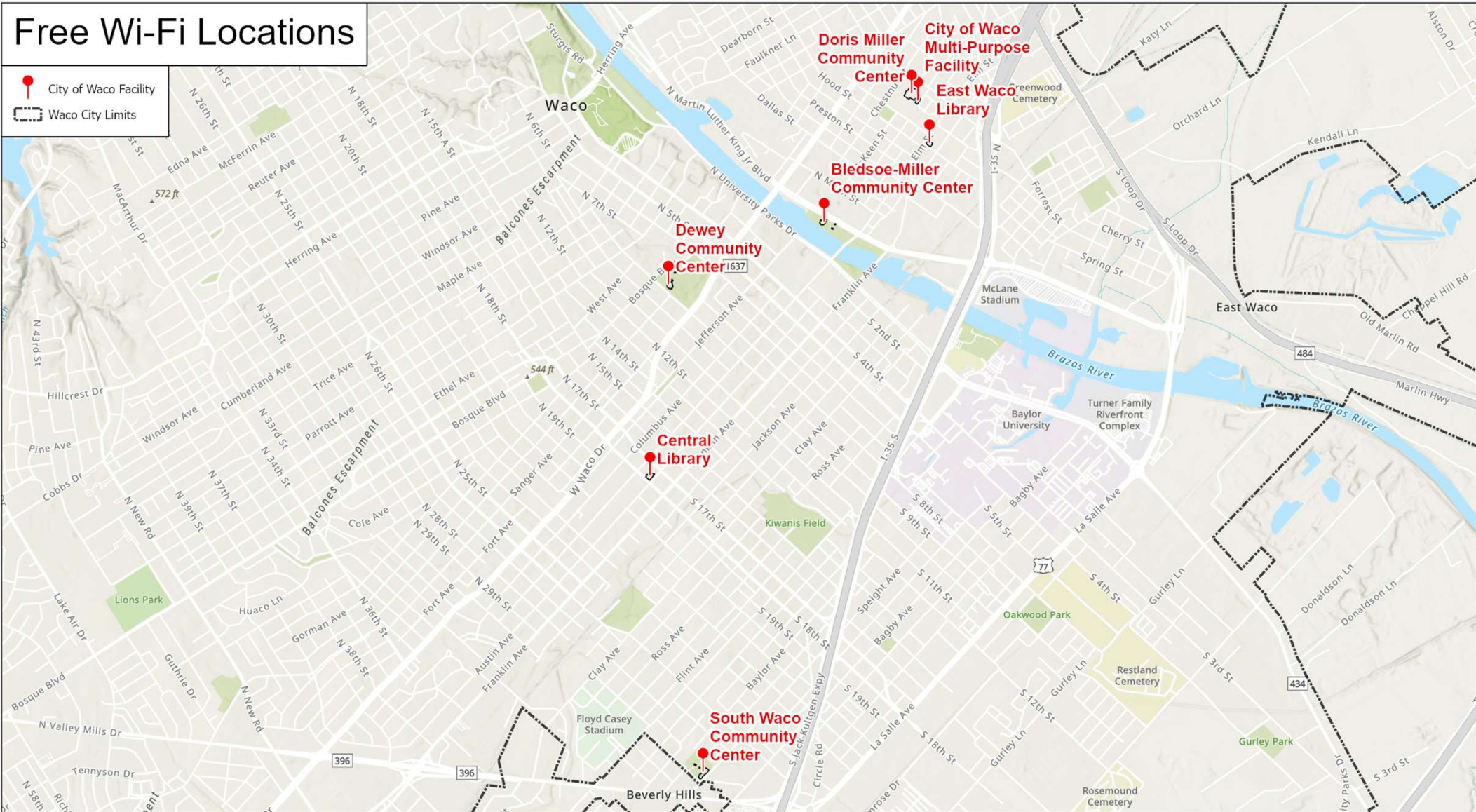
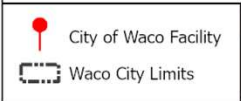
***Funding: Coronavirus Aid, Relief, and Economic Security
Act Community Development Block Grant funding***

CITY OF WACO

Public Wi-Fi Expansion: Expansion Locations

- Doris Miller Community Center & Multipurpose Center
- East Waco Library
- Bledsoe Miller Community Center
- South Waco Community Center
- Central Library

Free Wi-Fi Locations



Doris Miller Community Center & Multi-Purpose Facility

1020 Elm Ave

Access Points

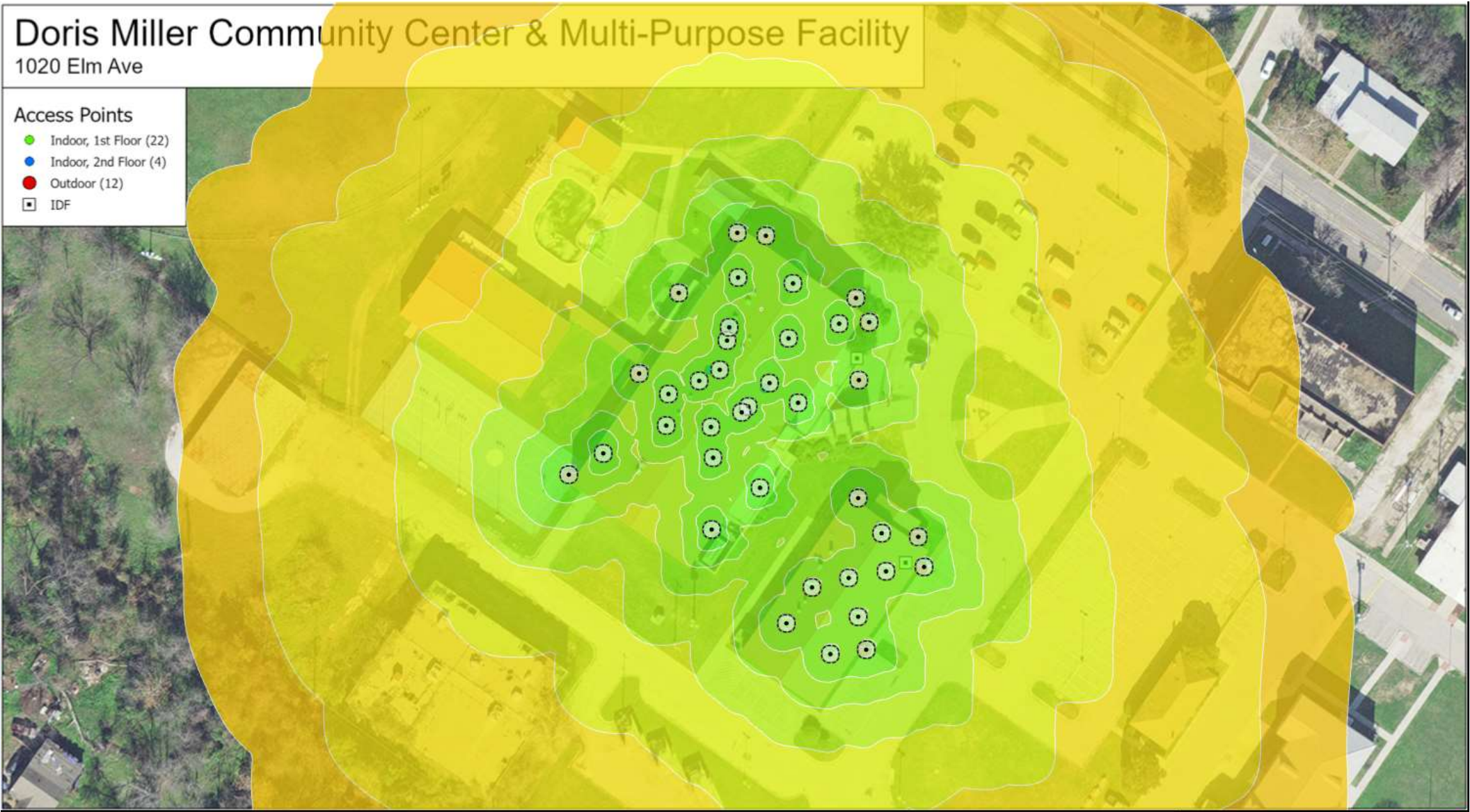
- Indoor, 1st Floor (22)
- Indoor, 2nd Floor (4)
- Outdoor (12)
- IDF



Doris Miller Community Center & Multi-Purpose Facility

1020 Elm Ave

- Access Points
- Indoor, 1st Floor (22)
 - Indoor, 2nd Floor (4)
 - Outdoor (12)
 - IDF



-67 dBm ≥ -30 dBm

East Library

901 Elm Ave

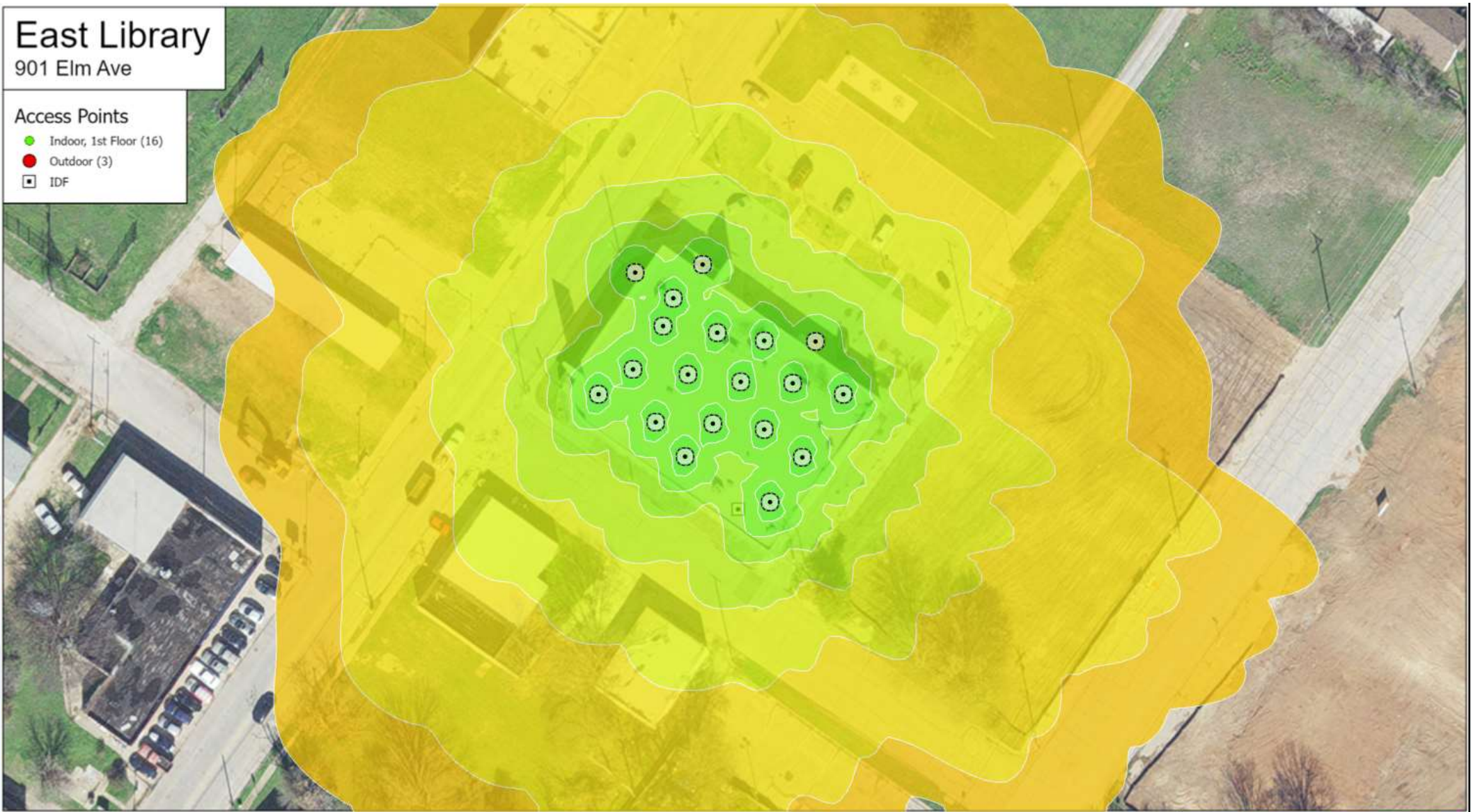
- Access Points
- Indoor, 1st Floor (16)
 - Outdoor (3)
 - IDF



East Library

901 Elm Ave

- Access Points
- Indoor, 1st Floor (16)
 - Outdoor (3)
 - IDF



-67 dBm z -30 dBm

Bledsoe-Miller Community Center

300 N Martin Luther King Jr Blvd

Access Points

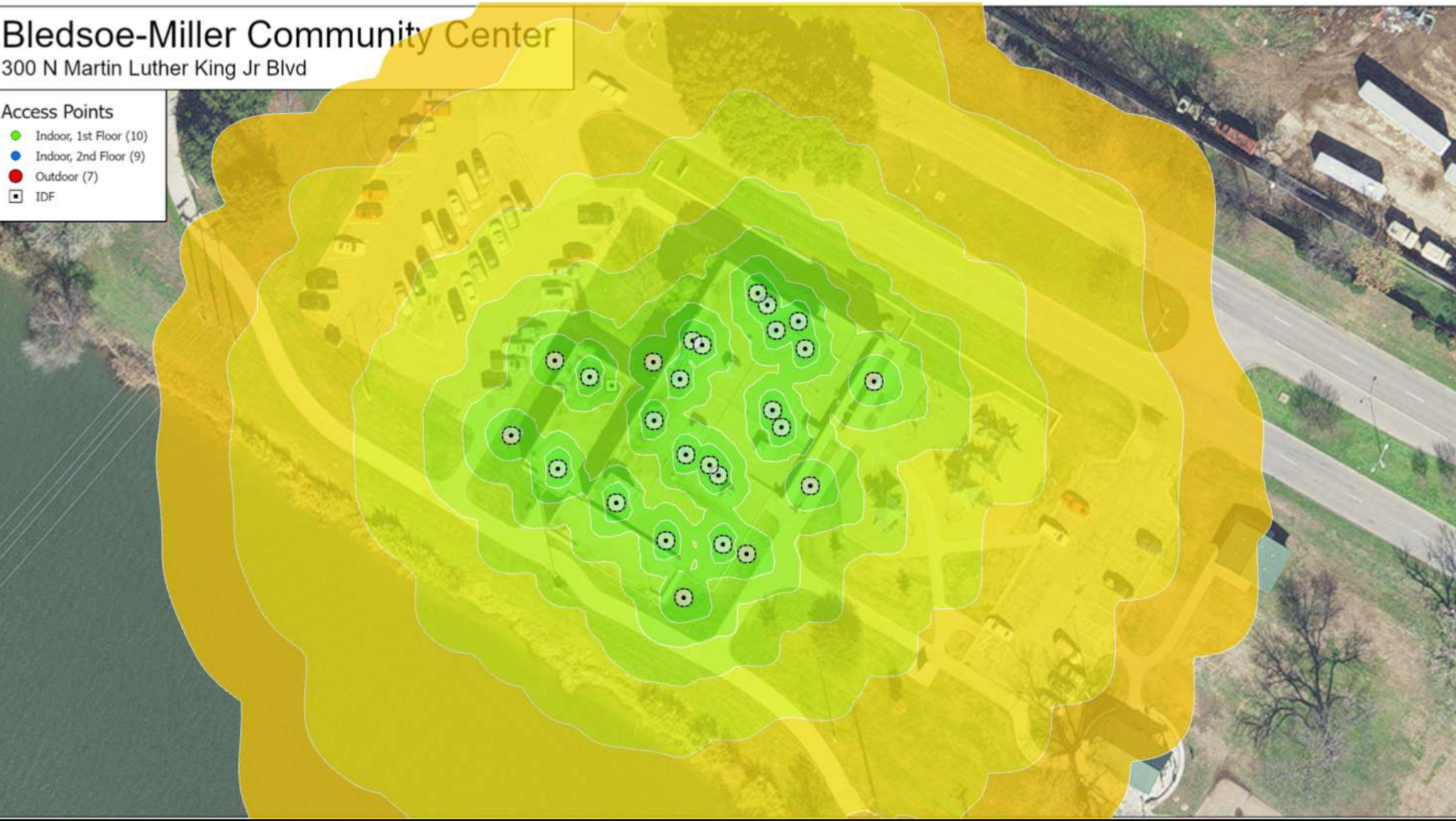
- Indoor, 1st Floor (10)
- Indoor, 2nd Floor (9)
- Outdoor (7)
- IDF



Bledsoe-Miller Community Center

300 N Martin Luther King Jr Blvd

- Access Points
- Indoor, 1st Floor (10)
 - Indoor, 2nd Floor (9)
 - Outdoor (7)
 - IDF



-67 dBm ≥ -30 dBm

South Waco Recreation Center

2815 Speight Ave

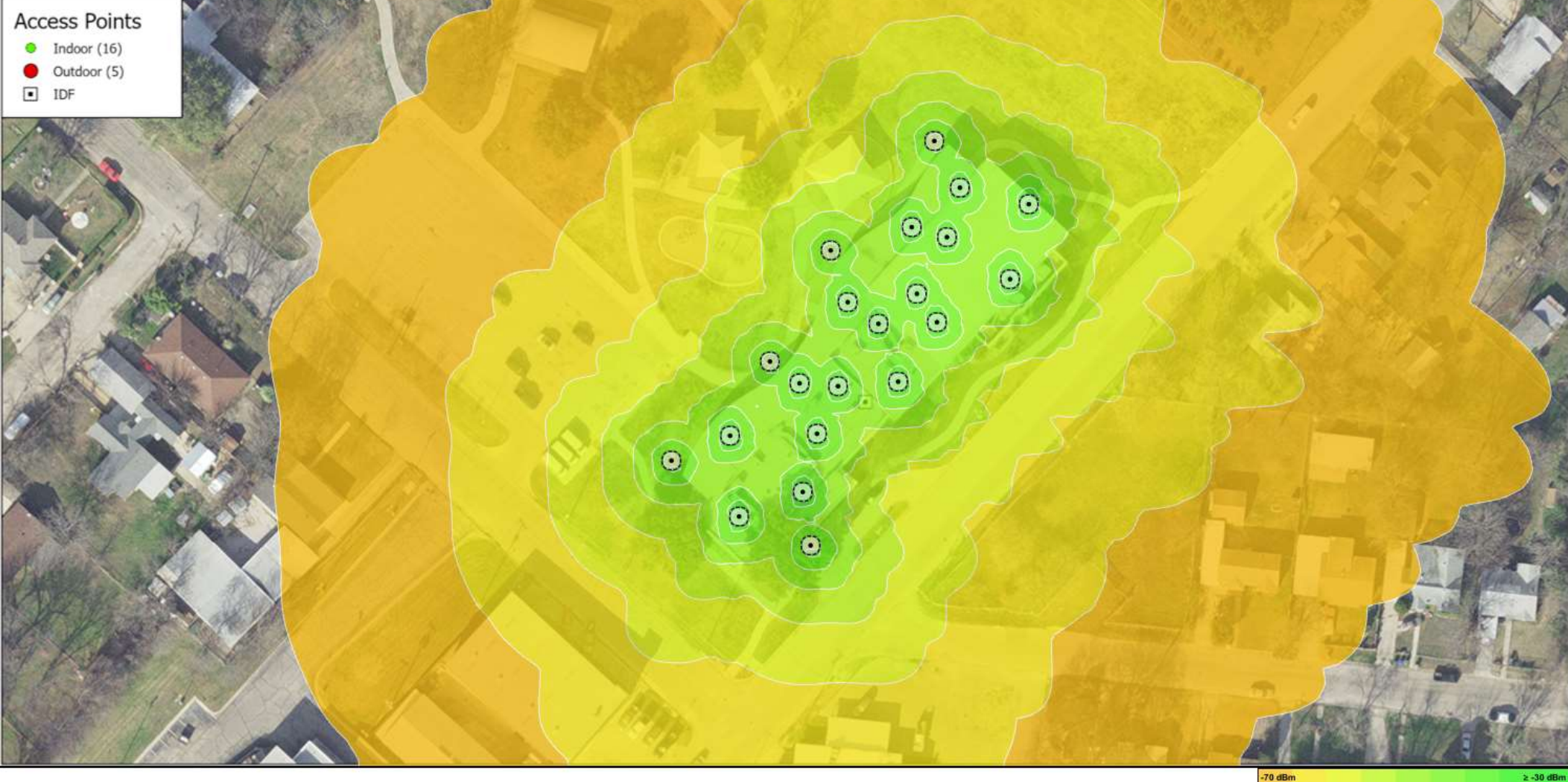
Access Points

- Indoor (16)
- Outdoor (5)
- IDF



South Waco Recreation Center

2815 Speight Ave



Central Library

1717 Austin Ave

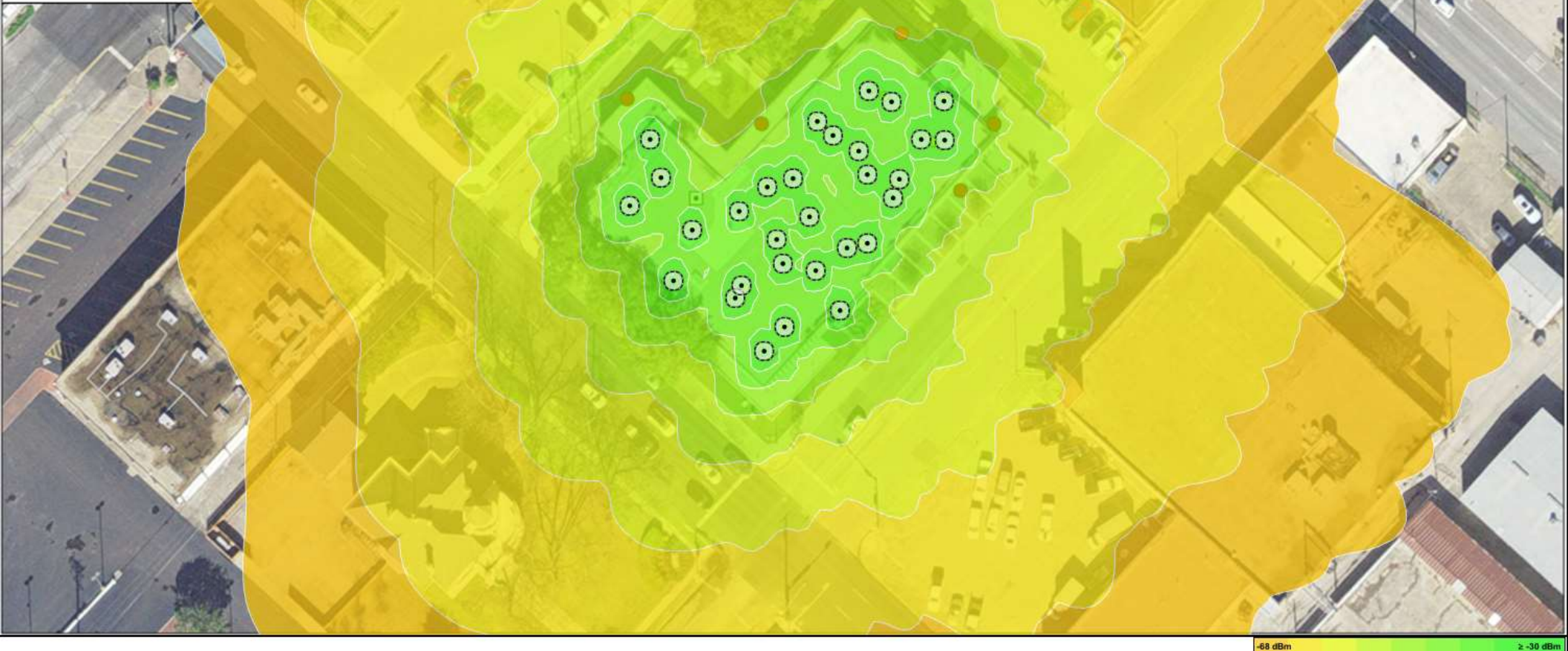
- AccessPoints
- Indoor, Basement (15)
 - Indoor, 1st Floor (15)
 - Outdoor (5)
 - IDF



Central Library

1717 Austin Ave

- AccessPoints
- Indoor, Basement (15)
 - Indoor, 1st Floor (15)
 - Outdoor (5)
 - IDF



Public Wi-Fi Expansion: Strategy

- Develop **Technical Support systems** and **FAQs**
- **Awareness campaigns** for our community
- Explore additional **City of Waco owned** facilities
- **Develop a Fiber-optic strategy** to improve bandwidth and access to key areas of the city
- **Solar Solutions** to support Wi-Fi connectivity

Public Wi-Fi Expansion: *Update*

Questions



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