



# City of Atlanta Wi-Fi Initiative

*Committed to Providing New & Improved Services*



# Templates

Your own sub headline

# WWW

## •Project Overview

The **City of Atlanta Mayor's Office** requested the Department of Information Technology (DIT) to complete the task of providing a high-level deployment of Internet Wireless coverage within the City's Park locations (Piedmont and Grant Park).

DIT's successful completion of the project objectives were assisted by managing turnkey integration partners and stakeholders to leverage city's infrastructure, facilities and technology resources. The Pilot Project was completed in phases to best utilize the support of all resources (technical staff, funding and equipment availability).

# Project Phases

## City of Atlanta Wi-Fi Initiative



### Project Phase I

1

DIT integrated & implemented free Wi-Fi in the Park within Piedmont Park Meadows and Park Tavern areas. As a result, the Jazz festival report confirmed over 6000 connected Internet sessions via 600 Wi-Fi capable devices.

### Project Phase II

2

Completed integration of the remaining HotSpot Locations; resulted in 50% of Park campus being covered with free internet accessibility. The Mesh Network across the hotspot locations will support 1000-2000 concurrent internet connections.

### Project Phase III

3

Completed integration at Grant Park resulted in providing free wireless internet services to the popular areas of the Park. Users are able to connect their mobile devices within designated HOTSPOT locations around Grant's Recreation Center, Cyclorama / Zoo entrances and Pavilions. Across the Zone locations, the network will support 500-1000 concurrent internet connections depending on the application.

*DIT completed extensive research and conversations with numerous local cities and National Municipalities. As a result, it was decided the free wireless internet services will operate separate from the City's Data Center to ensure a secured system.*

# Wi-Fi in City of Atlanta Parks

## *Piedmont Park*

### Scope of Work

1

City of Atlanta DIT was charged to provide free wireless internet access for Citizens visiting Piedmont Park. Services will be offered within designated Coverage Areas.

The project was designed and implemented based on the completed Network Assessment of the Park campus. Due to the Park's dense populated landscape (Trees and Hills) and limited network infrastructure, DIT decided the best approach was to implement the Wi-Fi Integration in two phases. Based on the Mayor's timeline to support the Jazz Festival and DIT abilities to procure resources, **Phase 1**-Park Tavern / Meadows was completed on May 24<sup>th</sup> 2013 and **Phase 2**-Zone 1, 2, & 3 were completed September 13<sup>th</sup> 2013.

### Benefits

2

Citizens and Visitors of the Park are able to access free Wireless Internet services within Piedmont Park and Park Tavern through their mobile devices. DIT designed the system to provide the Users with a good experience, manageability and efficiency within designated WI-FI IN THE PARK HOTSPOT ZONE coverage locations. Users will have unrestricted and open access to the internet within these Hotspot Zones after accepting and confirming the User Authentication page.

### Hotspot Locations

3

- ❖ **Greystone Pavilion / Tennis Center**
- ❖ **Green Sword Pavilion / Fountain Area**
- ❖ **Visitor Center / Noguchi Playground**
- ❖ **Park Tavern / Meadows**

# Wi-Fi in City of Atlanta Parks

## Grant Park

### Scope of Work

1

Grant Park scope includes the completion of a Site Assessment, Spectrum Analysis and Infrastructure Assessment to determine the design, installation and integration of free wireless internet services for the Visitors of Park.

The surveys and the assessment were managed by Department of Information Technology and Park Services. DIT contracted the Comm-Work Network Solutions to complete installation and implementation of the wireless internet equipment and services to the core areas of the Park.

### Benefits

2

Citizens and Visitors of the park are able to access free Wireless Internet services within Piedmont Park and Park Tavern through their mobile their mobile devices. DIT designed the system to provide the Users with a good experience, manageability and efficiency within designated WI-FI IN THE PARK HOTSPOT ZONE coverage locations. Users will have unrestricted and open access to the internet within these Hotspot Zones after accepting and confirming the User Authentication page.

### Hotspot Locations

3

- ❖ **Grant Recreation Basketball & Tennis Courts**
- ❖ **Pool & Playground**
- ❖ **Cyclorama & Picnic Pavilions**

# Wi-Fi in City of Atlanta Parks

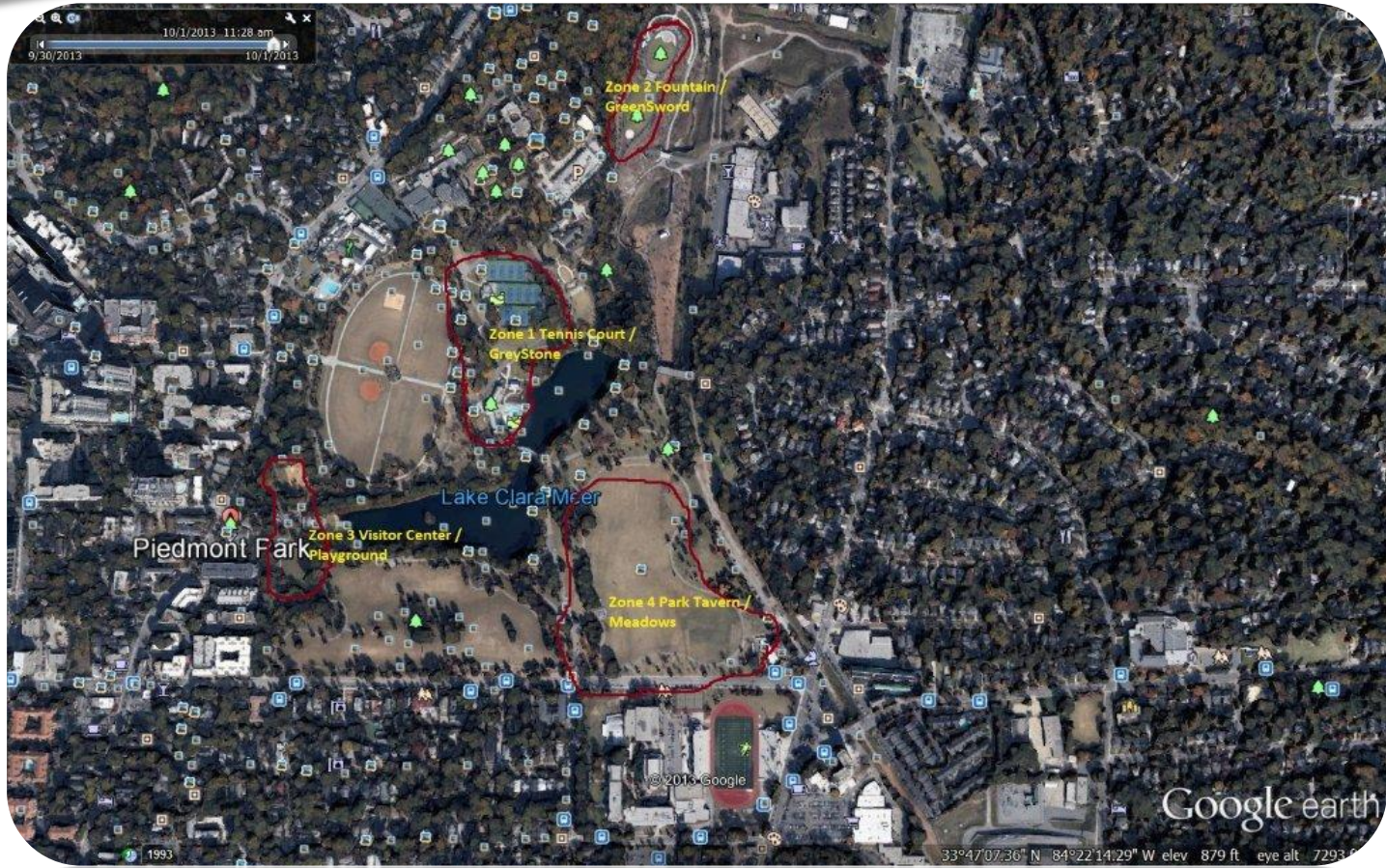
## *Wi-Fi Deployment Summary*



The wireless network is supported through Comcast Business Internet Services. The outdoor wireless mesh network within the selected Zone HOTSPOT locations is networked through Cisco LAN equipment and Mesh Radios. Clients accessing the services will have a maximum throughput of 2-3Mbps within the designated HOTSPOT coverage areas. Base on the user's applications across all PARK HOTSPOT locations, the Network will be able to support 1000-2000 concurrent internet connections.

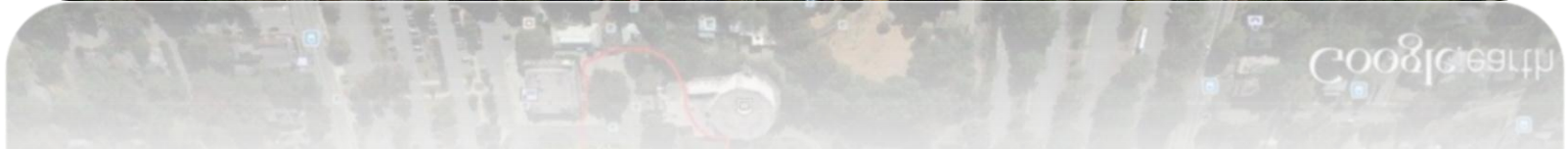
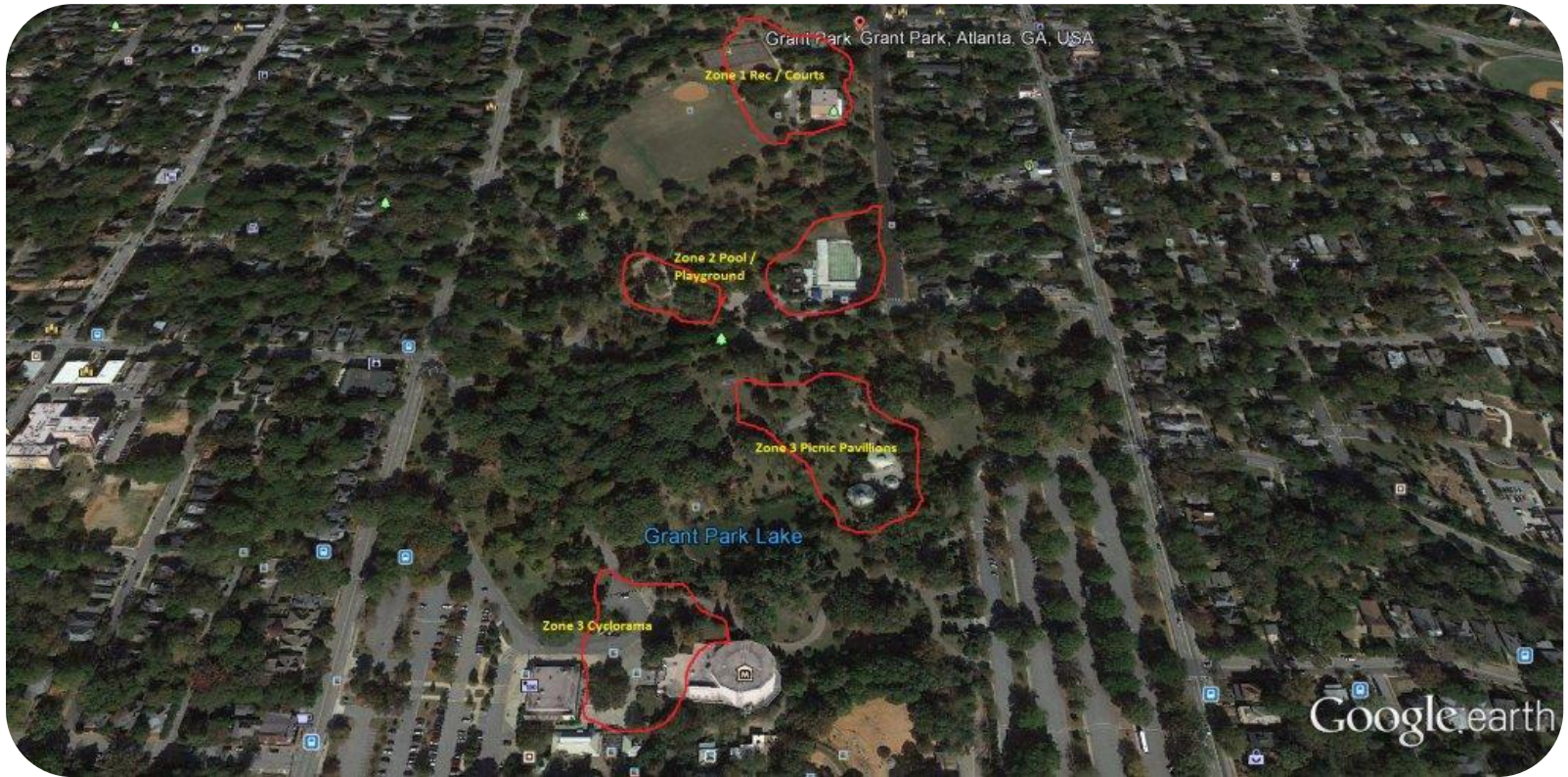
# Wi-Fi in City of Atlanta Parks

## Coverage Map for Piedmont Park



# Wi-Fi in City of Atlanta Parks

## Coverage Map for Grant Park





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