

# PUBLIC WORKS, FACILITIES, TRANSPORTATION, AND ACCESSIBILITY

**JANUARY 30, 2018** 

## About Mobilitie, LLC



indoor and outdoor neutral host Distributed Antenna Systems, designed to provide optimal coverage and capacity for all wireless carriers, at even the largest and most challenging venues



SMALL CELLS

Indoor and outdoor Small Cell networks, based on Femtocell, Picocell and Microcell technologies with combined radio heads, providing improved 4G LTE and Wi-Fi connectivity



#### COLOCATION MANAGEMENT

Comprehensive management of the entire colocation process, including site marketing, lease processing, installation supervision and ongoing lease administration



#### COMMUNICATION TOWERS

Multi-carrier communication towers and rooftop builds to enable improved wireless service for carriers, spanning their nationwide macro networks, based on our industry leading Lease-to-Suit® model



SOLUTIONS

High-density Wi-Fi networks that not only provide seamless Internet access for all mobile devices, but also deliver a customized and rich platform of powerful customer communication tools such as location-based services, video broadcast and CRM applications



#### PROFESSIONAL SERVICES

Mobilitie's tier-1 team of industry experts assist wireless carriers and real estate owners in addressing their wireless service challenges, ensuring the right solutions are successfully deployed. We specialize in scalable solutions for complex deployments, built to accommodate exponentially increasing mobile datademands



## Mobile data trends and demand drivers

## Smartphones generate 102x more data traffic

PER MONTH THAN A BASIC HANDSET

500%

INCREASE EXPECTANCY OF MOBILE DATA FROM 2016 TO 2021

### **NEW DEVICES**

52.4 MILLION ADDED TO THE MOBILE NETWORK

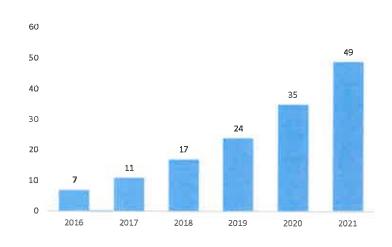
4.6 MILLION

CONNECTED WEARABLE DEVICES

64%

OF MOBILE DATA IS VIDEO

#### **MOBILE DATA TRAFFIC (EB/MONTH)**



#### U.S. MOBILE DATA IN 2016

88%

OF THE POPULATION ACCOUNTED FOR MOBILE USAGE 49%

OF THE HOUSEHOLDS WERE WIRELESS ONLY



Source: Cisco VNI Mobile, 2017

## About the effort

**Mobilitie** designs, builds, owns and operates wireless infrastructure solutions to meet the needs of citizens, businesses and visitors by enabling connectivity.

Mobilitie to lead largest small cell deployment in US

#### Enhancing coverage in all 50 US states

- Phased deployment of small cell facilities
- All facilities operational within 18 months

#### Mobilitie's regulatory status

Mobilitie is authorized to provide telecommunications services in all 50 states

Infrastructure options include:

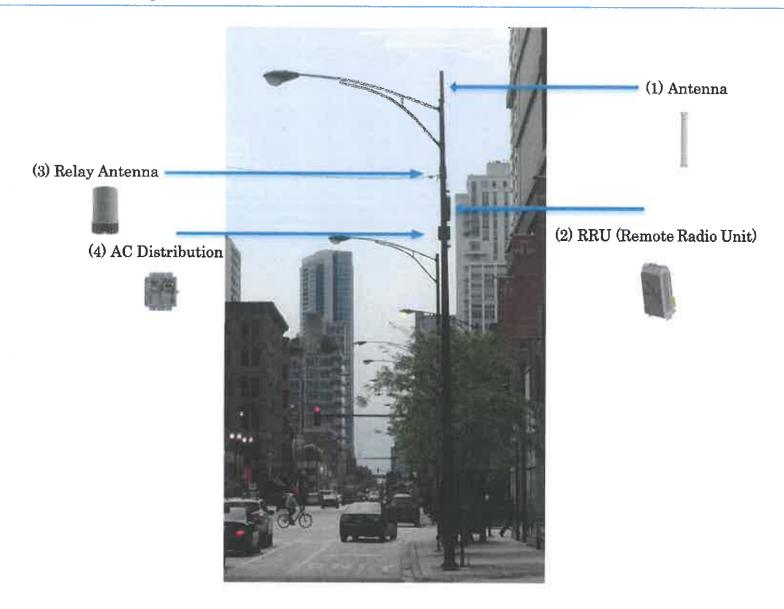
- Utility poles
- Light posts



KY Backhaul Transmission Networks, LLC is certified as a CLEC in the State of Kentucky



# Small cell facility installation

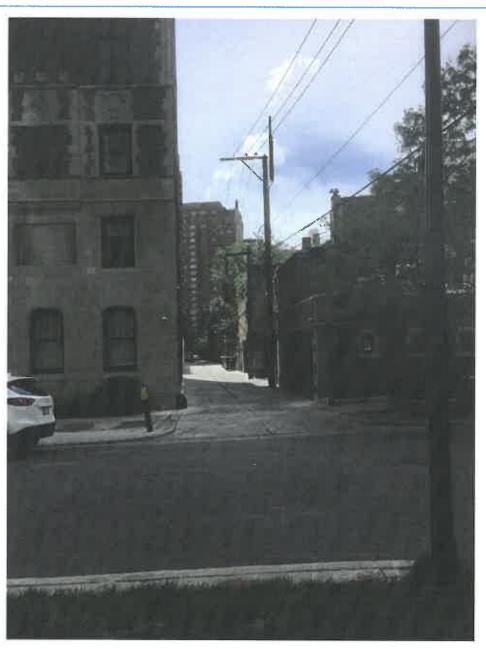




# Utility pole attachment



# Utility pole attachment



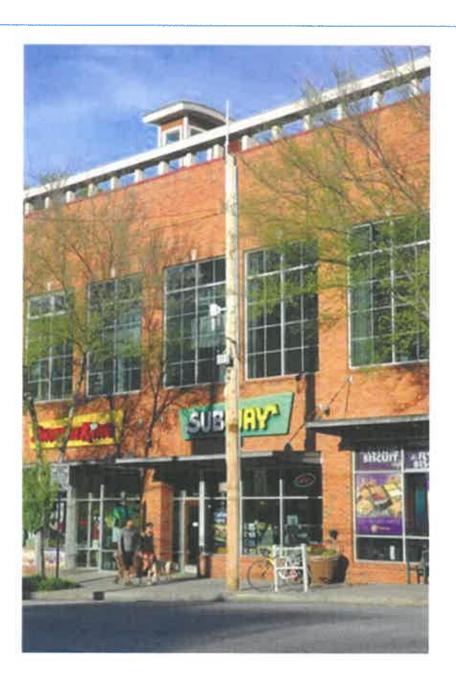


# New pole





# New pole

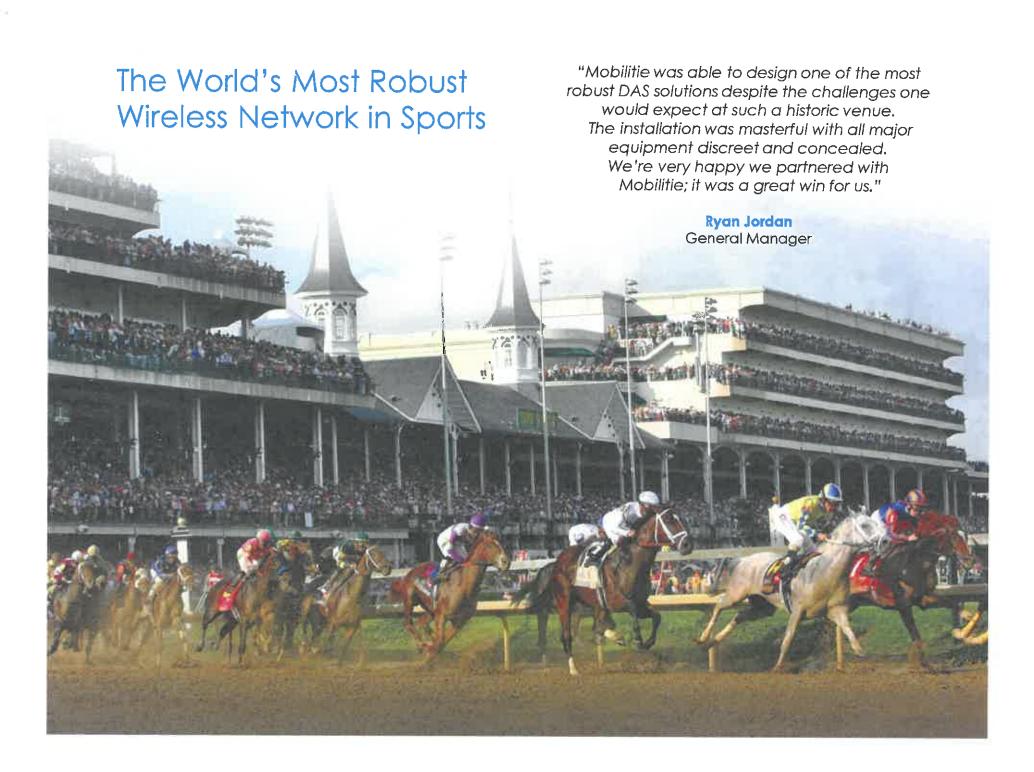




## Mobilitie in Louisville Metro

- Collaborative partnership with Department of Public Works.
- Community notice within 150 feet of proposed facility.
- Seamless Q2 deployment ahead of Kentucky Derby.
- Public health, safety and welfare benefits:
  - Ability to add Metro Watch Cameras to new poles.
  - Easily upgradable to accommodate additional safety technology.
- Churchill Downs neutral-host DAS, installed in 2012. Annual expansion and improvements, resulting in increased 4G LTE coverage across nearly 115 acres.





## Mobilitie contacts

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# Thank you



WIRELESS COVERAGE SOLUTIONS