

ExteNet : Enhancing Pittsburgh's Wireless Networks

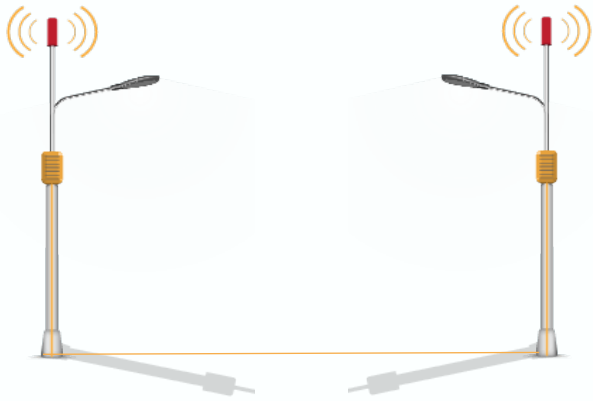
Existing Site Upgrade / Small Cell Installation

Site Name: PIT_Triangle_SC_19

Approximate Address: the Right-Of-Way at 472 Wood Street

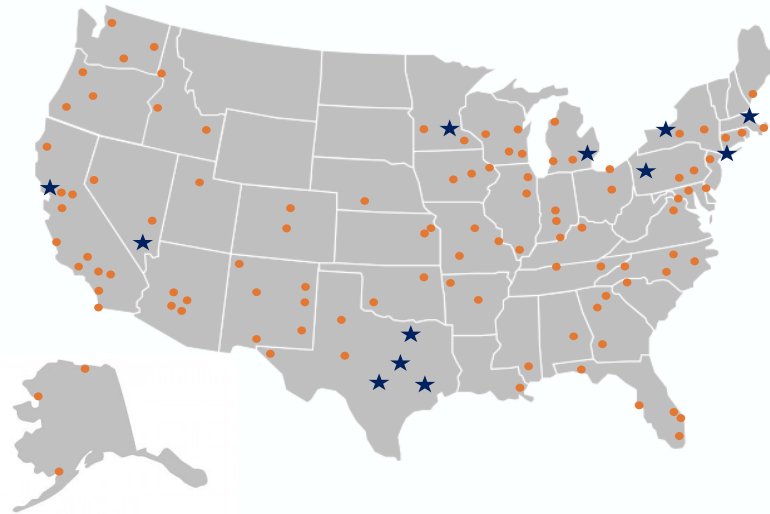
About ExteNet Systems

ExteNet is a leading provider of **Converged Communications Infrastructure & Services** for advanced network connectivity



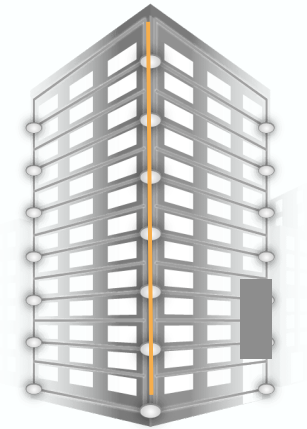
Outdoor Network

| Suburban | Urban
| Rural



Solution Breadth

| Small Cells & DAS | Fiber | EPC
| Building & Enterprise Communications



Customer Support

| Carrier Class 24/7 NOC
| Field & Professional Services

Real Estate & Enterprise Networks

| Sports & Entertainment
| Commercial Office
| Hospitality | Healthcare

Founded in 2002 and
Deployed **1st Network** in 2005

Largest Private Owner & Operator of
Distributed Networks (DNS) in the United States

Operate **500+** DNS networks
& **30K+** DNS Nodes today

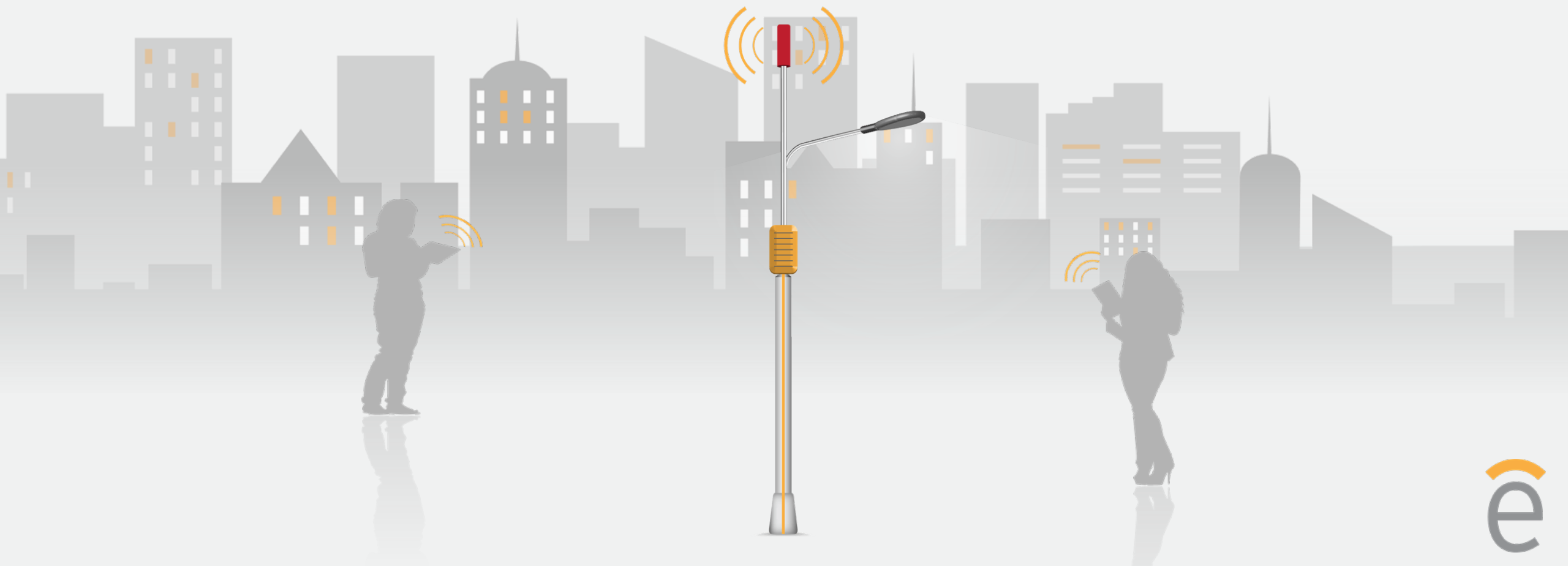


The Two-Part Problem:

- 1.) Architecture in Downtown Pittsburgh limits network coverage.
- 2.) Increased demand for data challenges limited network capacity.

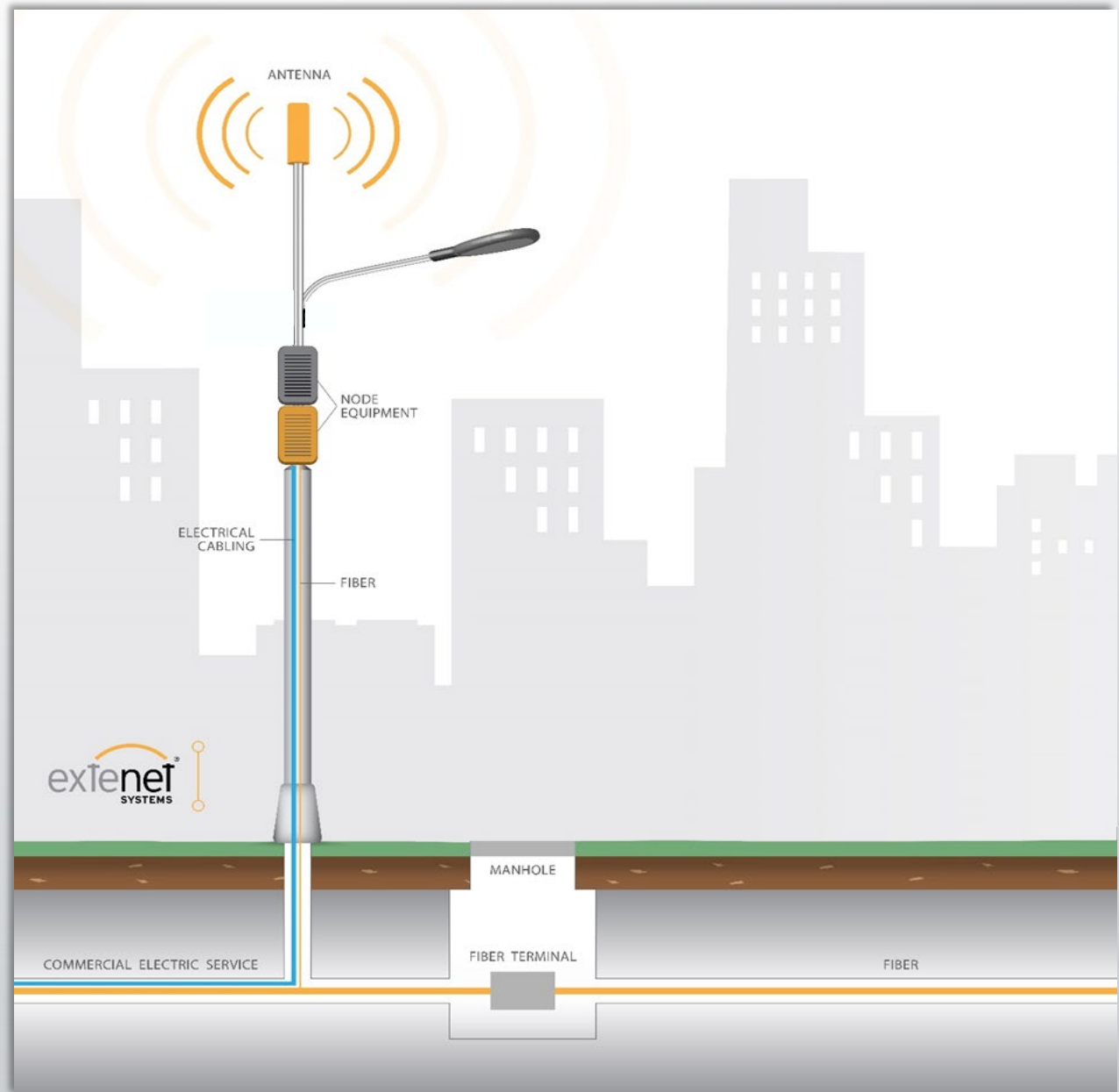


*If we can't change the position of the buildings Downtown,
and we can't reduce the demand for data, what's the solution?*



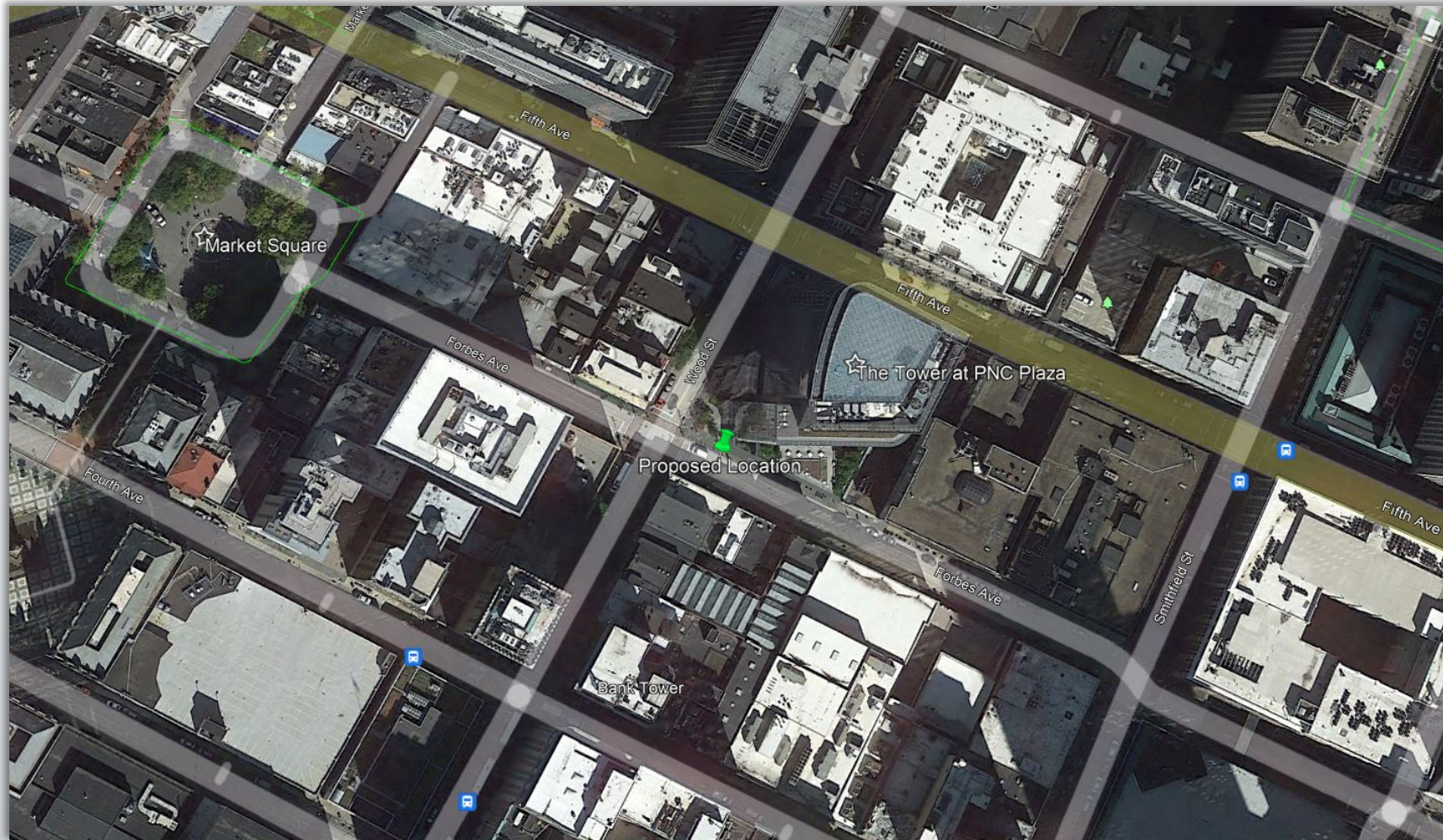
What is a Small Cell?

A Small Cell is wireless transmitters and receivers designed to provide network coverage to small areas.



The Proposed Location

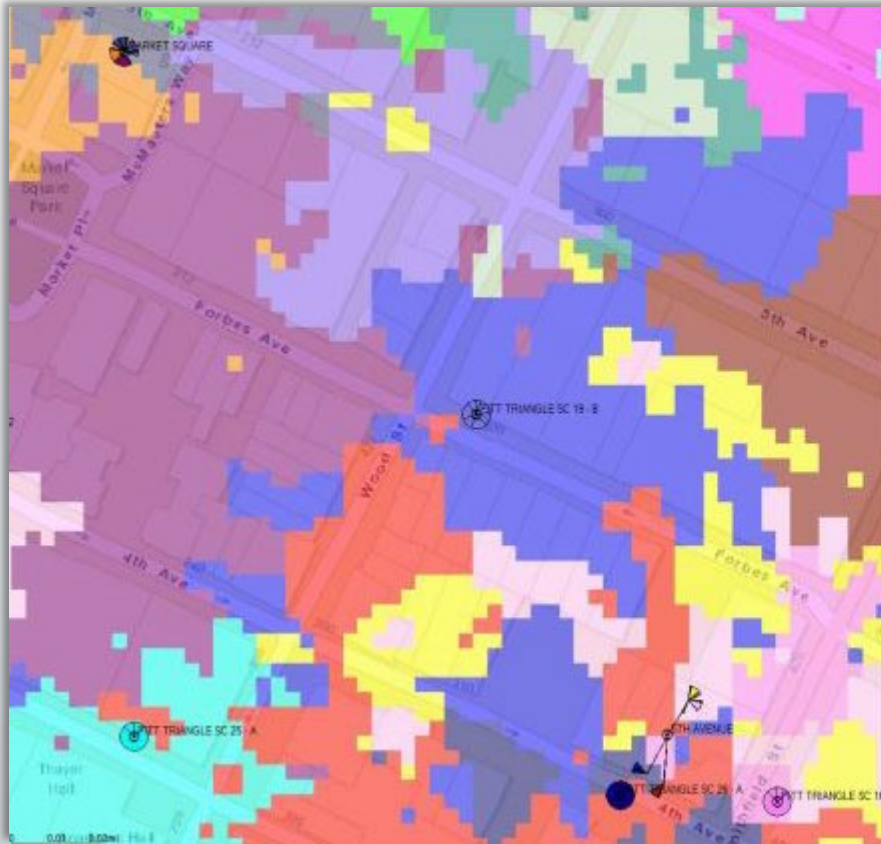
The Tower at PNC Plaza



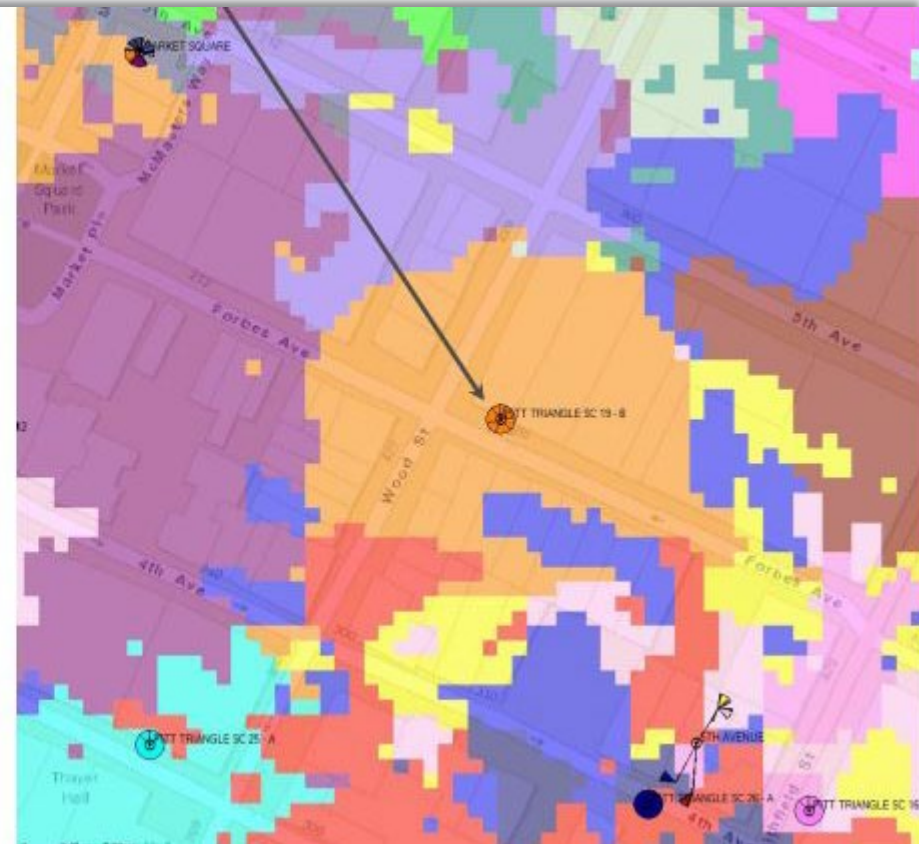
Network Propagation Maps

A Tool to Help Pinpoint Areas of Network Stress

Current Map With No Small Cell



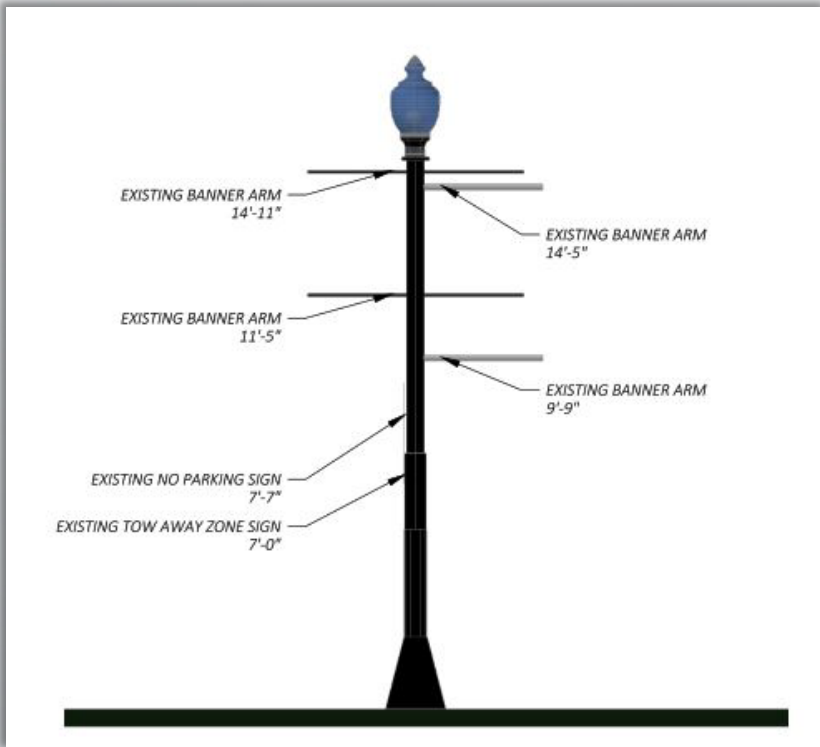
Map With Small Cell Installed



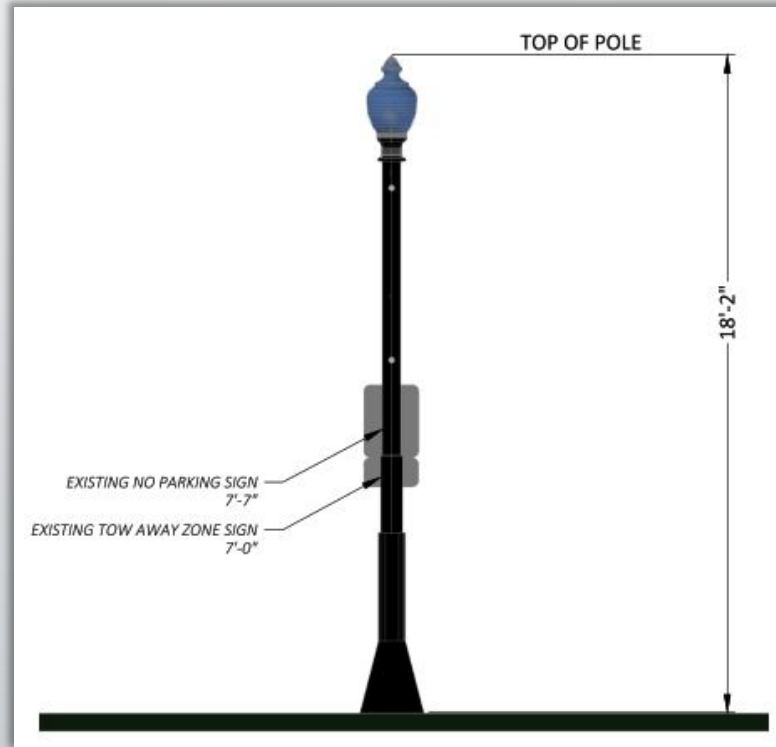
What Is There Currently?

Engineering Plan

Front View



Side View

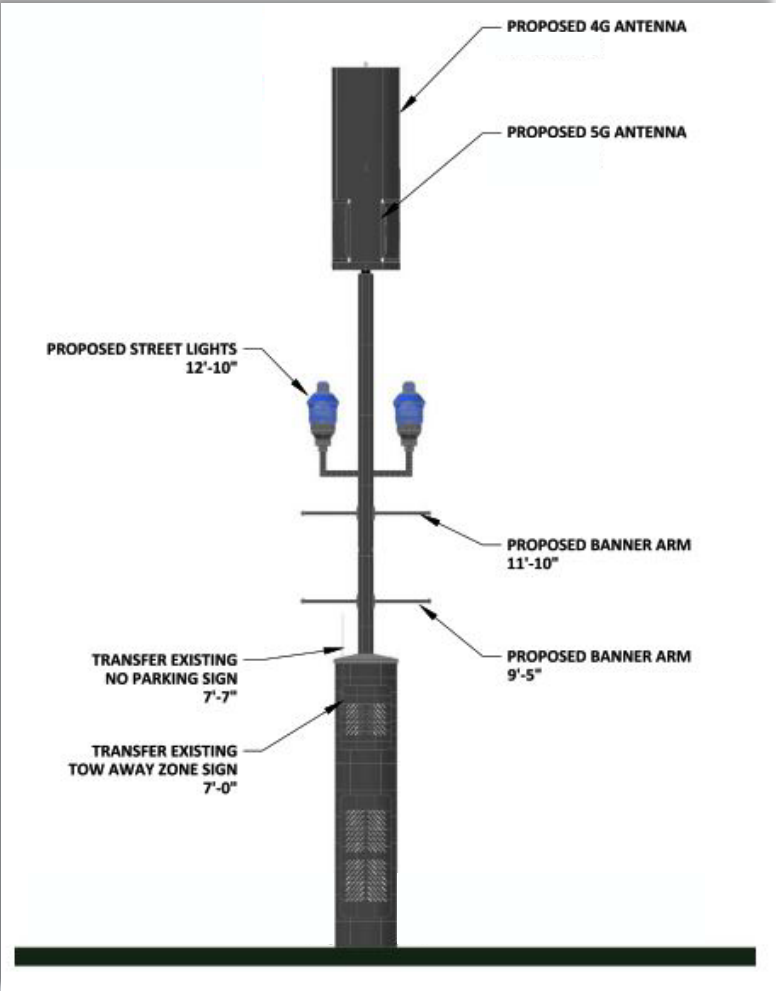


Existing Pole Photo



What Will it Look Like?

Front View



Side View

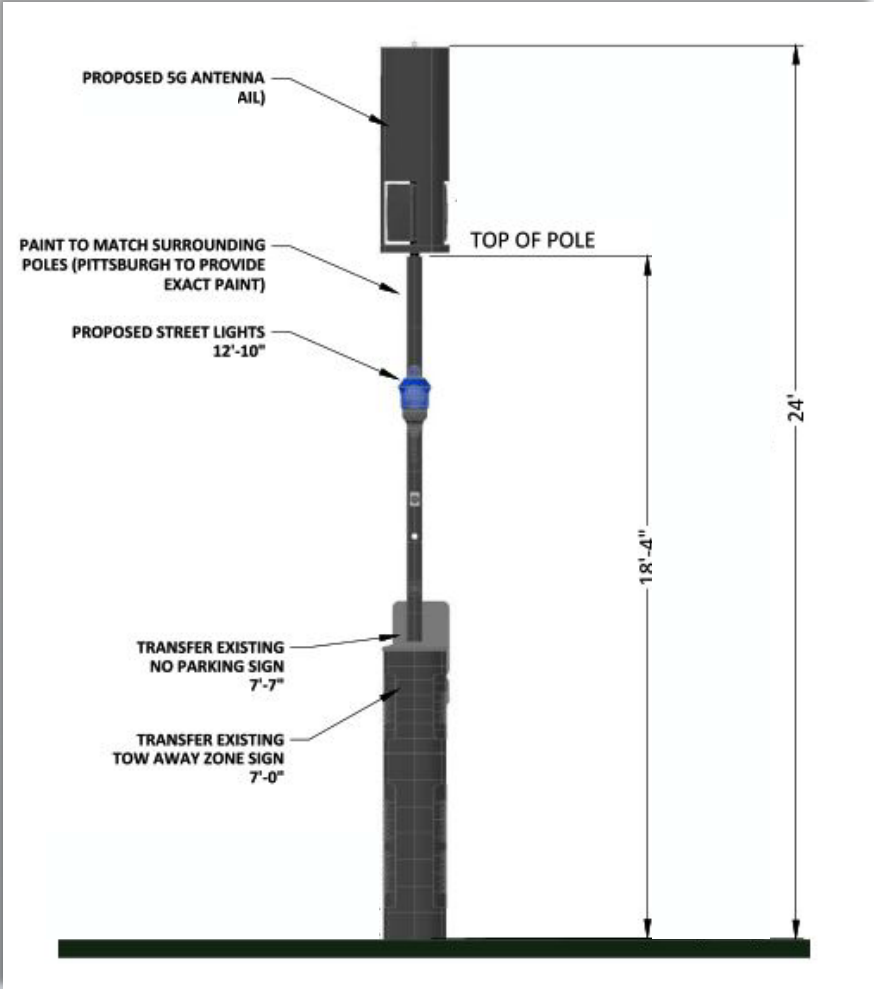


Photo Simulation



What is the Plan for Installation?



Questions?

Existing Site Upgrade / Small Cell Installation

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