



Quincy Public Safety Communications System

QUINCY, MASSACHUSETTS

Why do we need this?

- AGING INFRASTRUCTURE
- GAPS IN COVERAGE
- RELIABILITY ISSUES
- PRINCIPAL BROADCAST ANTENNA LOCATION IS BEING REDEVELOPED

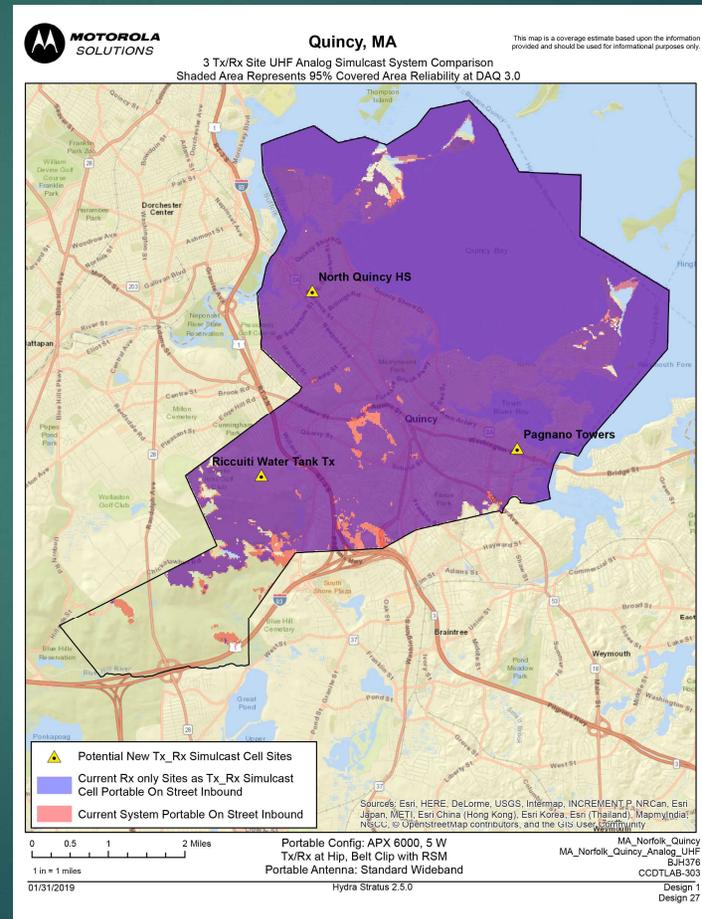
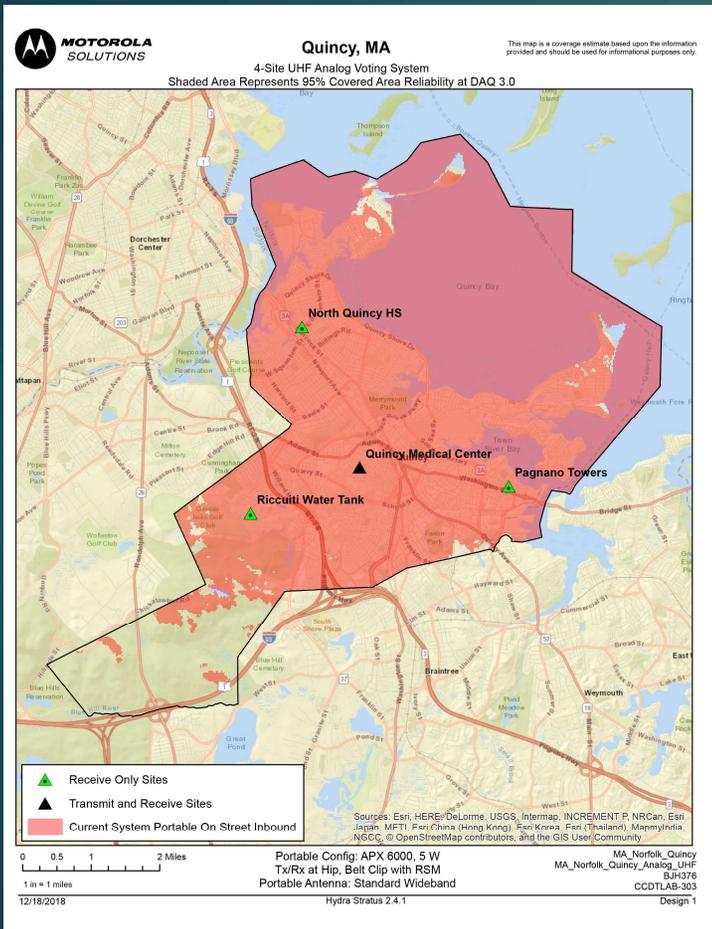
Process

- PERFORMED A THOROUGH RF COVERAGE ANALYSIS & SYSTEM EVALUATION
- DIGITAL SIMULCAST SYSTEM WAS RECOMMENDED
- SINGLE PRINCIPAL BROADCAST LOCATION – 150 FT TOWER
- 5 SIMULCAST STATIONS LOCATED THROUGHOUT THE CITY
- SERVICE IS PROVIDED TO 100% OF THE CITY WITH REDUNDANT BROADCAST ABILITY AND SYSTEM FLEXIBILITY

Existing System Coverage

EXISTING SYSTEM

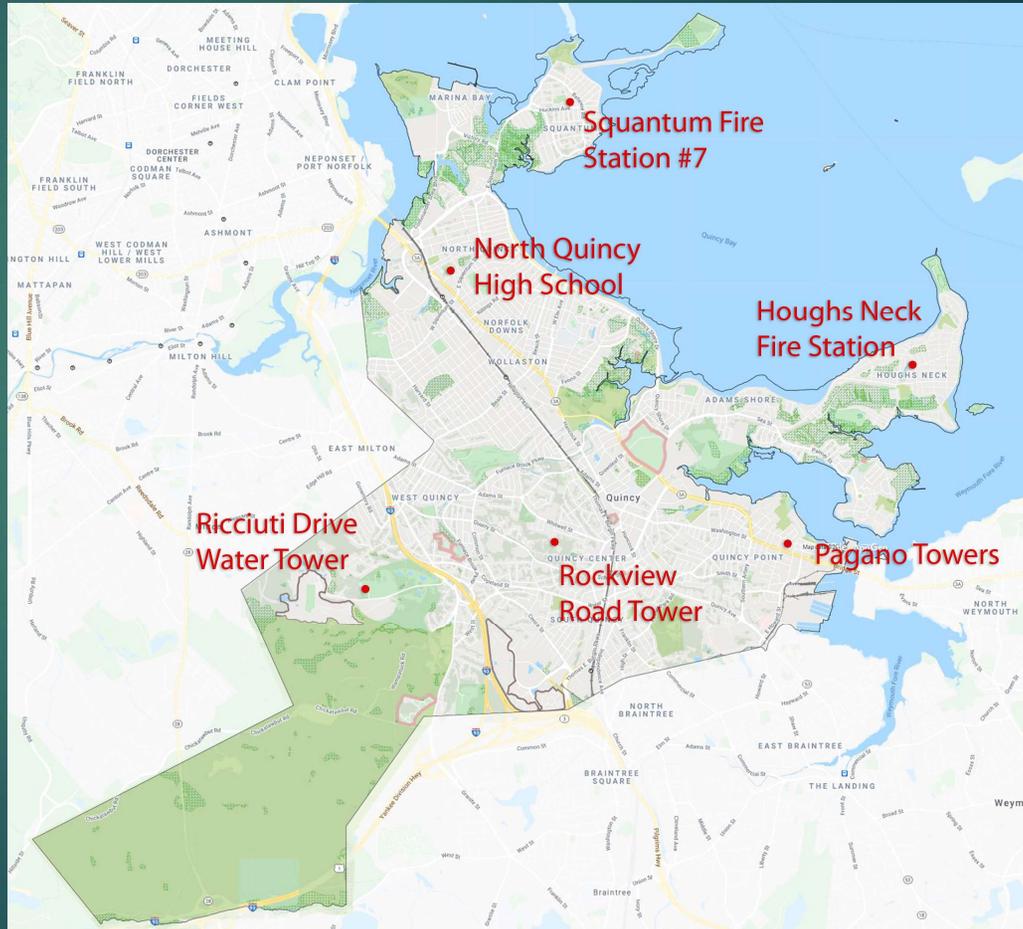
EXISTING SYSTEM W/O HOSPITAL

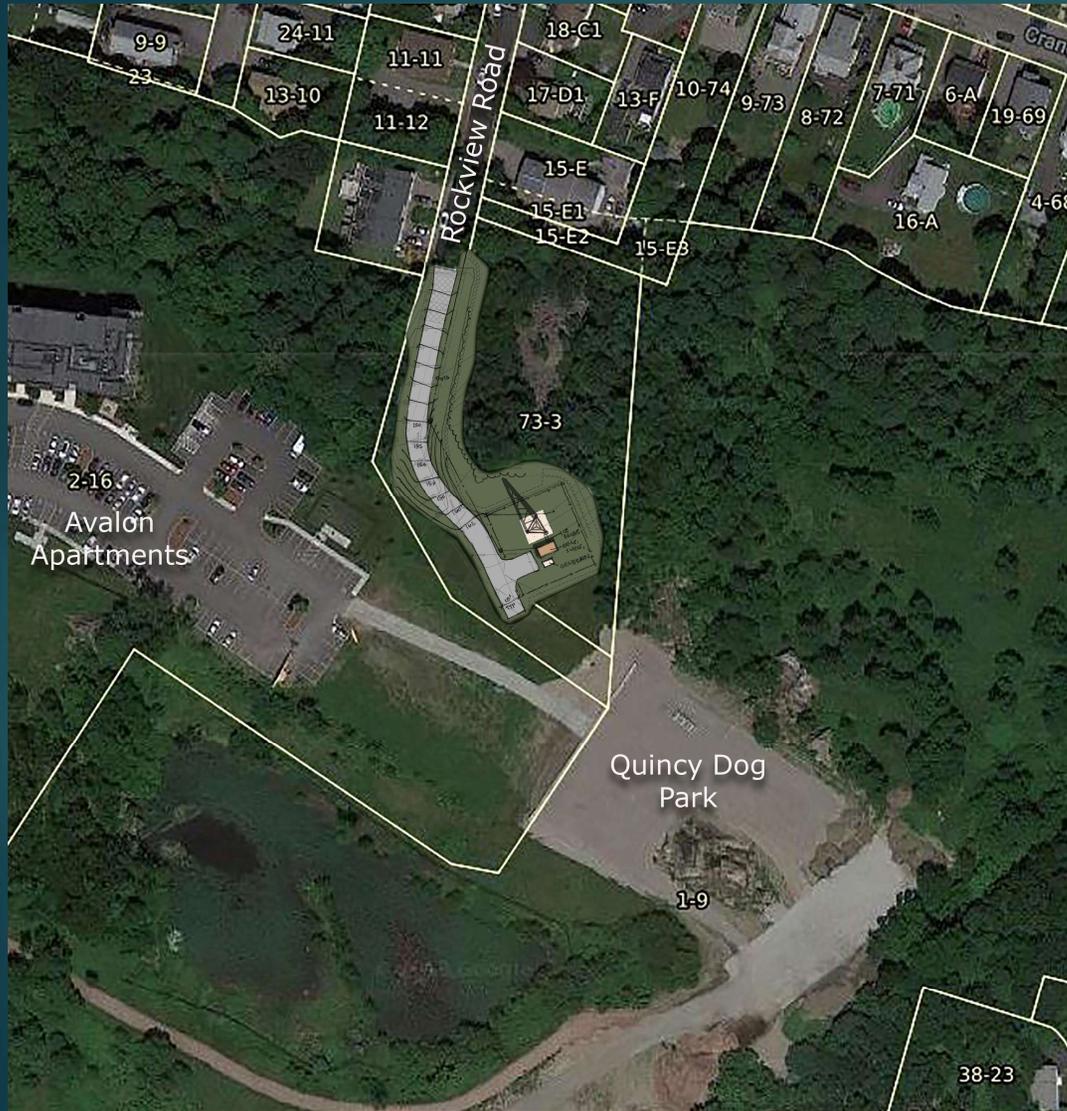


Project Snapshot

- BROADCAST LOCATION
 - Tower at Rockview Rd./Avalon Drive
- SIMULCAST LOCATIONS
 - North Quincy High School
 - Pagano Towers
 - Ricciuti Drive Water Tower
 - Houghs Neck Fire Station
 - Squantum Fire Station #7

THE ONLY SIGNIFICANT CONSTRUCTION IS AT THE BROADCAST LOCATION





Rockview Road Tower

- 150 FOOT SELF-SUPPORTED TOWER
- GRAVEL ACCESS DRIVE
- PREFABRICATED EQUIPMENT SHELTER
- EMERGENCY GENERATOR
- CITY-OWNED PROPERTY ADJACENT TO THE DOG PARK

Potential Visual Impact

- PROPOSED TOWER IS A 150 FOOT SELF SUPPORTED STEEL LATTICE TOWER
- BALLOON TEST WAS PERFORMED IN FEBRUARY – PHOTOSIMULATIONS WERE PREPARED
- SITE VISIBILITY IS LIMITED BY TOPOGRAPHY AND SURROUNDING VEGETATION
- NO SIGNIFICANT IMPACT ON HISTORIC RESOURCES WAS FOUND



Photosimulations



Kidder St. & Granite St.



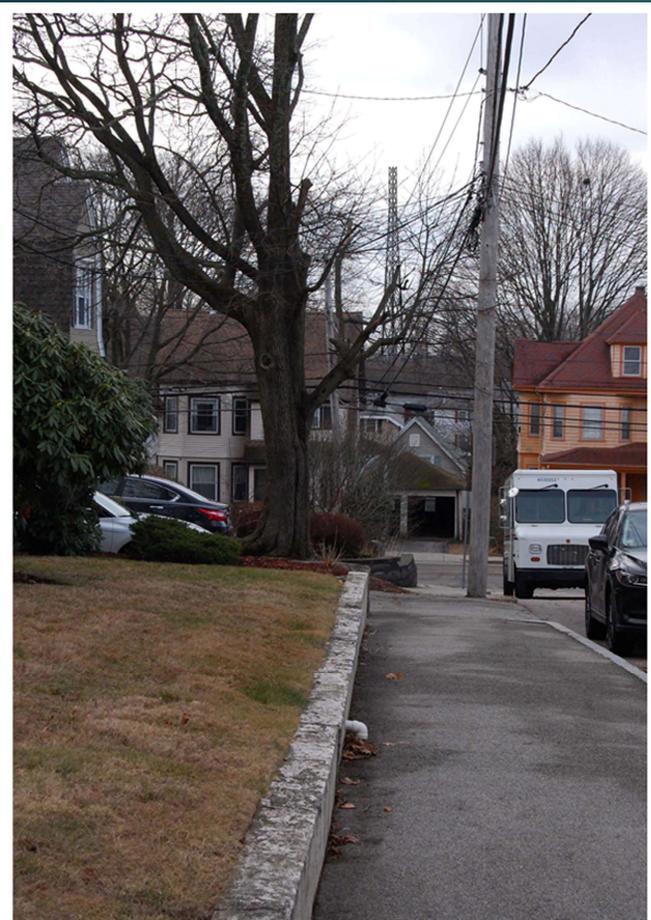
Rockview Road



Avalon Drive Apartments



Cranch Street @ Rockview Rd.



Roselin Ave. @ Bedford St.



Nilsen Ave. @ Witwell St.



66 Dixwell Avenue



Furnace Brook Golf Course

Project Cost

SITE WORK	\$ 103,500
TOWER & EQUIPMENT SHELTER	\$ 300,000
EMERGENCY GENERATOR, LIGHTING & SECURITY	\$ 60,000
UTILITY EXTENSIONS	\$ 185,750
ELECTRICAL WORK	\$ 81,500
BONDING, INSURANCE & MATERIALS TESTING	\$ 34,750
CONSTRUCTION ENGINEERING	\$ 65,000
CONTINGENCY 10%	\$ 69,500
MOTOROLA EQUIPMENT, DESIGN & INSTALLATION	\$2,750,000
TOTAL	\$3,650,000