

Alternate Radio Tower Site Review in the City of Hollywood

Broward County West Lake Park	CIRC Hotel
Coverage requirements are met	Comparable coverage
County Owned	Privately Owned
Tower site is located in unused wooded space inside the Broward County Park	Located in a busy city street
Equipment Room, Tower Structure, and Antennas will have tightly controlled secured access, yet will be easily accessed for maintenance. (Note: Maintenance performed weekly, monthly, quarterly, annually)	<ul style="list-style-type: none"> • Not easily accessible Hotel equipment room and roof top structure. • Security challenges given location and proliferation of public and private traffic during construction and major repairs.
No structural integrity concerns for tower, antennas, generator, fuel tanks, etc. All are built to Florida Building Code.	<p>Uncertain structural integrity:</p> <ul style="list-style-type: none"> • Building structure to support antennas • Building room and AC to support equipment and required batteries • Roof structure to support roof top generator and provisions for generator fuel supply <p>Building structure was not engineered and spec'd to support Public Safety Radio Communications infrastructure, and would require various retro-fits for:</p> <ul style="list-style-type: none"> • Wind load (generator on roof) • Weight and shear forces • Vibrations / harmonics concerns • Reinforcement of generator to withstand potential winds at elevation of 300 ft as opposed to ground level
Pre-fab Equipment Shelter installed as part of construction site plan, built to Florida Building Code	<p>Modifications to Hotel building required for equipment room</p> <ul style="list-style-type: none"> • Walls and entry ways • HVAC to ensure environmental needs • Electrical Power
Enables Broward County to implement new P25 Public Safety Radio Communications Network by the end of 2019.	<p>Will significantly delay the implementation of the County's new P25 Public Safety Radio Communications Network. This will be due to the introduction of unknown factors.</p> <p>The process of conducting engineering studies and retrofitting to accommodate additional weight, electrical power and potential secondary issues (damages caused by harmonic vibration or transmittal of shear force, sealing of roof and any needed penetrations,) introduces an unknown element of time to identify, address and resolve issues that cannot be foreseen, as well as other unintended consequences of retrofitting a structure to a use outside of its intended purpose.</p>

Alternate Radio Tower Site Review in the City of Hollywood

Additional Notes:

- Other site locations identified by the City of Hollywood as a potential alternative to West Lake Park do not meet the necessary coverage requirements.
- NW sector of West Lake Park is not a viable tower site location. It is a mangrove wetland mitigation for a DOT project, and was a 2000 Safe Parks and Land Preservation Bond site acquired for restoration and a conservation easement exists over the site
- NE sector of West Lake Park is not a viable tower site location. It is slated for the Port's mitigation work in West Lake Park. Area is being considered for mangrove mitigation credits.
- Hard Rock Hotel is not a suitable tower site location. It does not provide for sufficient space for the necessary equipment, and there is a roof mounted crane that will be used for maintenance, etc. by the Hotel. This crane and maintenance activity would interfere with the public safety radio antennas.
- There are existing roof top antennas on three locations on the coast because the County does not own land in those areas; and the sites selected meet most, if not, all of the County's criteria.