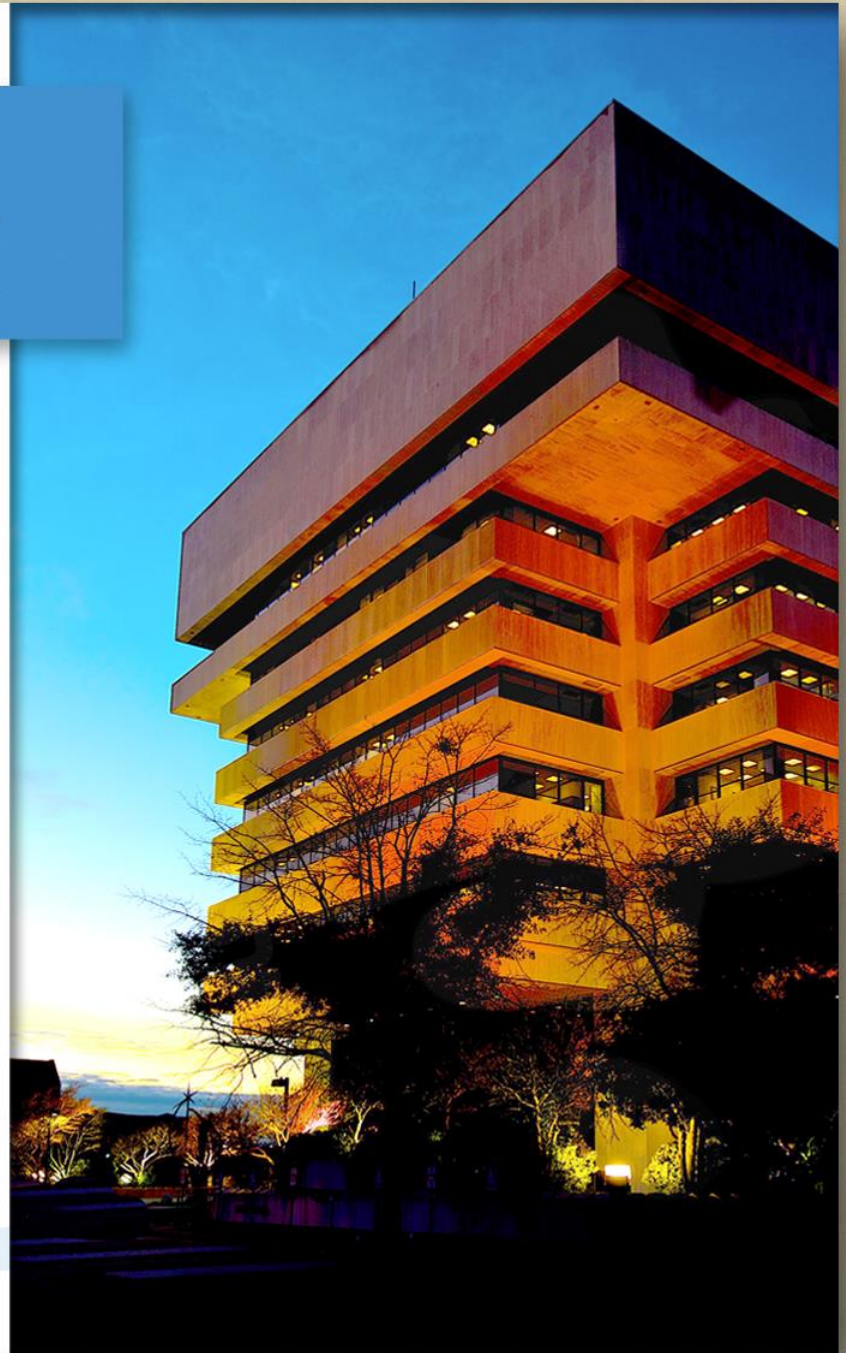


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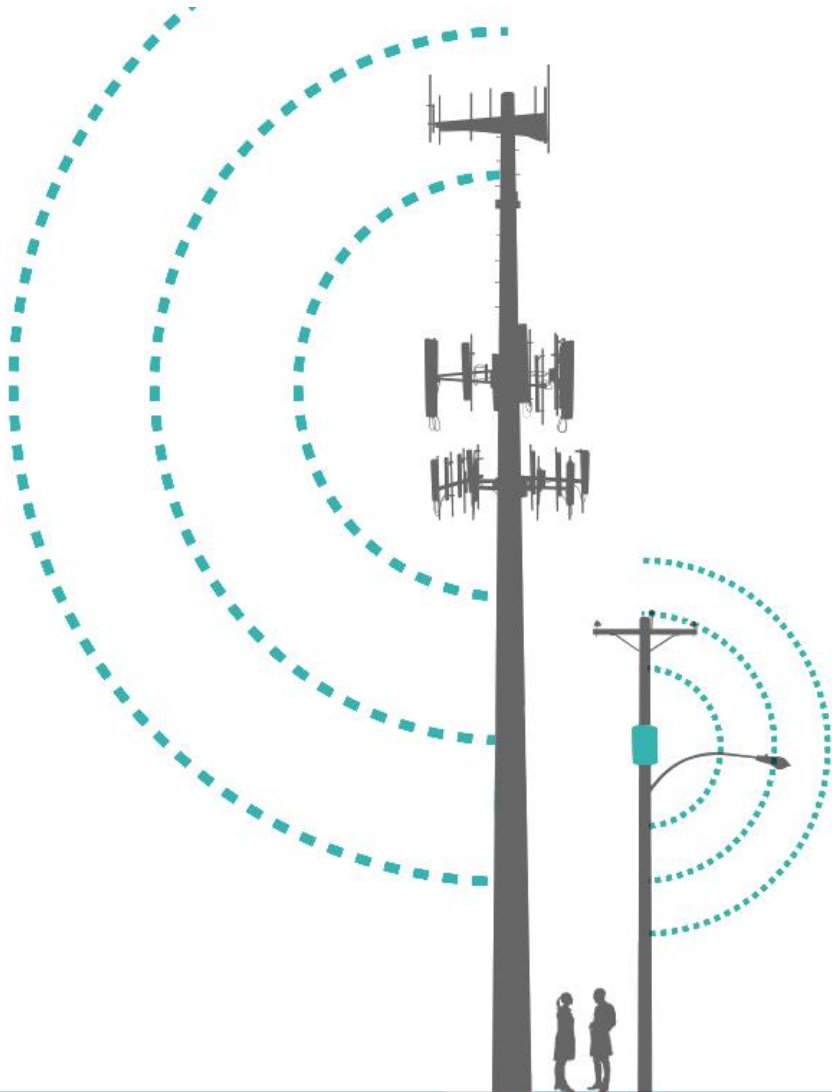
**Items #20-0279
& #20-0300**

Small Cell Wireless Infrastructure

City Council
November 12, 2020



Types of Wireless Infrastructure



Small cells
“densify” the
macro tower
cellular network

Increase
coverage and
data speed

Shorter range
(500-1000’)

Legal Framework

State Law changed in 2017 and 2018 related to wireless infrastructure

- Applies to both private property and public property (City rights-of-way)
- Certain wireless facilities must be reviewed administratively
 - New structures under 50' in height which are not in a state or federal historic district
 - Co-locations on existing structures not owned by the City (e.g. Dominion poles)
- City retains some control over public right-of-way
 - Can require franchise agreement for certain new structures within City owned right-of-way

Legal Framework

- **“Shot Clocks” Apply**
 - Co-location on existing structures
 - 10 day completeness review
 - 60 day application review
 - Administrative-eligible new structures
 - 10 day completeness review
 - 90 day application review
- **Fees Limited by State Code**

Proposed Changes

1. City Code amendment, which creates a new Wireless Infrastructure Permit to be reviewed in accordance with state & federal criteria
 - Replaces individual encroachment process
2. New City of Hampton Wireless Infrastructure Design Standards



City of Hampton, VA

Small Cell Facility Design Guidelines

DRAFT | September 29, 2020

HAMPTON VA

Wireless Infrastructure Design Standards

- **Overall Design Standard Goals:**
 - Co-locate on existing structures when feasible
 - Avoid physical obstruction of the public right of way
 - Encourage the least intrusive design possible
 - Mimic the design of the surrounding streetscape to the extent practical



Wireless Infrastructure Design Standards

- **Representative Design Standards:**

- New poles must have a minimum spacing of 250 feet
- New poles must be located a minimum of 20 feet from existing trees
- New poles must not obstruct traffic or security cameras
- All antennas and wires must be shrouded and contained within the pole
- General design, color etc. must match existing light poles to the extent practical
- Residential areas – maximum height of 30 feet
- Commercial areas – maximum height of 40 feet
- All supporting equipment, meter, cabinets etc. shall be incorporated into the base of the pole or mounted to the pole at an acceptable height.
- Avoid placement in historic districts if possible.
- If a provider fails to use a structure for a period of 12 months, the City may remove it at the facility owner's expense

Wireless Infrastructure Design Standards

- **Representative Design Standards: Co-locations**
 - Preference hierarchy:
 - Existing third party poles in the City's ROW (Dominion Energy, Verizon etc.)
 - City owned poles
 - City owned structures (buildings, parking garages etc.)
 - Other existing structures not otherwise addressed in this section will be considered on a case-by-case basis.



Staff Recommendation

Staff & Planning Commission
Recommend Approval

#20-0279 (Definitions)

#20-0300 (Use Table)