



# REVISIONS TO THE CITY'S RIGHT OF WAY REGULATIONS WITH FOCUS ON SMALL CELL/WIRELESS FACILITIES

Mayor and City Council Meeting

December 17, 2018 **(Revised for Corrections 12-18-18)**

# BACKGROUND

- The City initiated the process of addressing small cell/wireless facilities in the rights of way (ROW) in 2016
- The City did extensive research and conducted multiple public meetings on the topic
- On December 18, 2017 the Mayor and City Council adopted Regulations governing the City's ROW and template Franchise and Master License Agreements
- As technology changes within the industry and additional FCC regulations are adopted, the City is committed to revising its regulations and agreements



# RIGHTS-OF-WAY REGULATIONS

- The Mayor and City Council adopted Regulation No. Reg-02-17 on December 18, 2017
- The Regulations establish conditions of occupancy and construction for all users within the ROW
- Given the complexity of wireless facilities, the City established separate sections within the Regulations
- The City worked with industry providers, Crown Castle and AT&T, in developing the proposed changes



# SUMMARY OF PROPOSED CHANGES

- Minor revisions related to:
  - Section I: Regulations Applicable to All Applicants for Use of City Rights of Way
  - Section II: Additional Regulations Applicable to Work in the Rights of Way
- Focused modifications related to:
  - Section III: Additional Regulations Applicable to Wireless Facilities
  - Section IV: Standard Conditions for Installation, Construction and Maintenance of Wireless Facilities on City Owned or Controlled Traffic Signals and/or Street Lights



# SUMMARY OF PROPOSED CHANGES

- The proposed modifications do not change the current regulations with regard to the placement, spacing, or height of wireless facilities within the ROW
- The proposed modifications take into account the recent FCC ruling which becomes effective on January 14, 2019



# CHANGES IN SIZE OF MID-WIRE CONNECTIONS, ANTENNAS, EQUIPMENT HOUSING, AND GROUND MOUNTED EQUIPMENT

- Mid-wire Connections
  - Current regulations maximum of 2.0 cubic feet
  - Proposed modification expands maximum to 2.5 cubic feet
- Antennas
  - Height of Antenna
    - No proposed changes: maximum of 4 feet
  - Connector
    - Current regulations limit connector length to 6 inches
    - Proposed modification expands length to 12 inches



# CHANGES IN SIZE OF MID-WIRE CONNECTIONS, ANTENNAS, EQUIPMENT HOUSING, AND GROUND MOUNTED EQUIPMENT

- Antennas (continued)
  - Diameter and Location of Antenna
    - Current regulations limit the antenna to the smallest circumference of the pole
    - Proposed modification expands it to a maximum of ~~22~~ 15 inches in circumference
    - Proposed modifications limit the location to the top of the pole for all installations



Example Antenna

- 48" height
- 14.6" diameter
- 45.9" circumference



# CHANGES IN SIZE OF MID-WIRE CONNECTIONS, ANTENNAS, EQUIPMENT HOUSING, AND GROUND MOUNTED EQUIPMENT

## ○ Sub-sized Equipment Housing

- Current regulations allow for maximum height of thirty-six (36) inches, width of twelve (12) inches and depth of nine (9) inches with a volume no greater than 2.25 cubic feet
- Proposed modification maintains the 2.25 cubic feet volume and allows the City to approve modifications in the height, width and depth



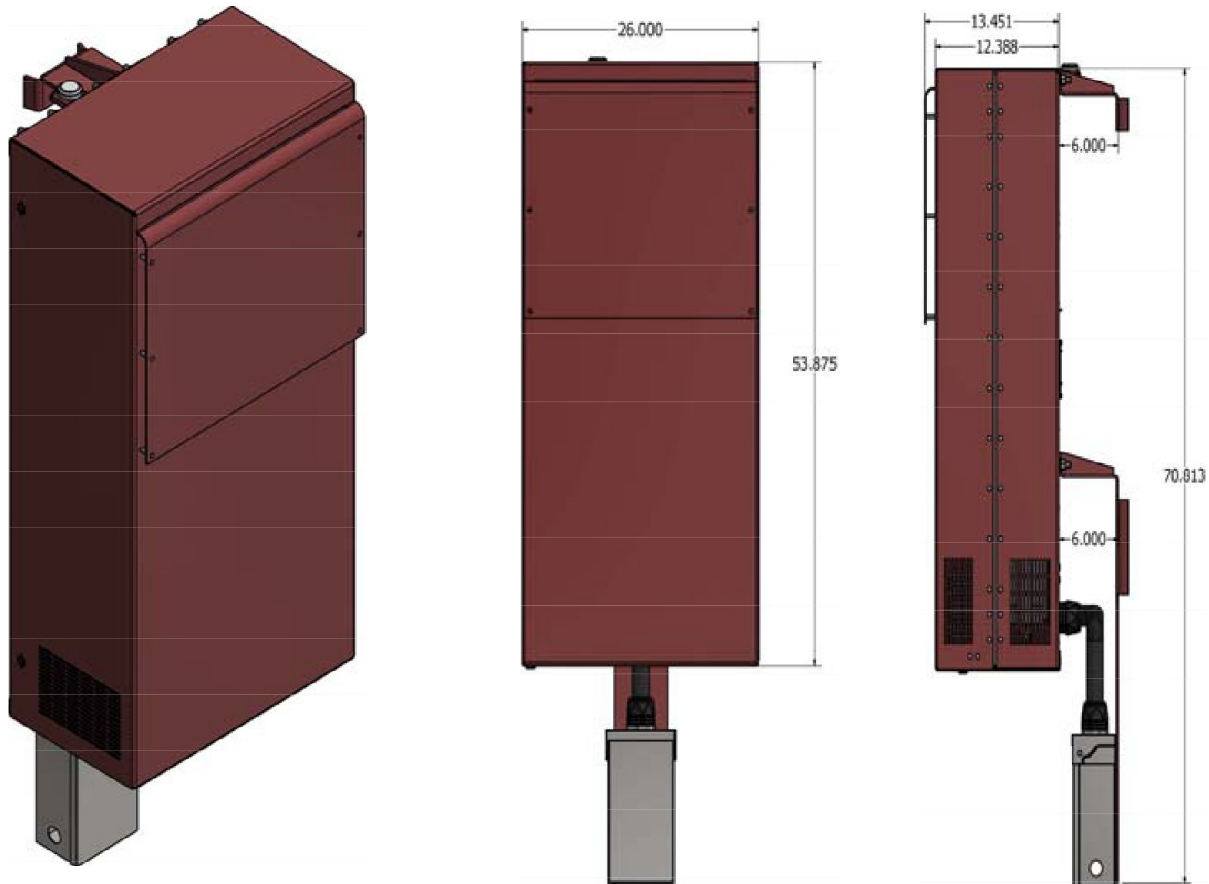


# CHANGES IN SIZE OF MID-WIRE CONNECTIONS, ANTENNAS, EQUIPMENT HOUSING AND GROUND MOUNTED EQUIPMENT

- Standard Equipment Housing
  - Current regulations allow for a maximum volume of 2.8 cubic feet
  - Proposed modification increases the maximum volume to 12 cubic feet
  - Current regulations allow for a maximum of 12 inches in ~~height~~ **width** and 9 inches in depth; there was no height limit
  - Proposed modifications allow for a maximum width that is no greater than half the maximum height of 54 inches and 9 inches in depth
  - Proposed modifications also allow for variations in the height and width as long as the maximum 12 cubic feet is maintained



# EXAMPLE OF EQUIPMENT HOUSING



11.96 cubic feet



# CHANGES IN SIZE OF MID-WIRE CONNECTIONS, ANTENNAS, EQUIPMENT HOUSING, AND GROUND MOUNTED EQUIPMENT

- Ground Mounted Equipment
  - Current regulations allow for maximum dimensions of 50 inches by 32 inches by 12 inches
  - Proposed modification sets maximum cubic feet at 16 with a height no greater than 44 inches



Ground Mounted Equipment

Example:

15.47 Cubic Feet

43.62" Height

24.75" Width and Depth



# CHANGES IN PAINT SPECIFICATIONS AND POLE RESERVATION SYSTEM

- Paint Specifications
  - Current regulations contain very specific requirements (19 specifications)
  - Proposed modifications state the City must approve, and includes only 4 general qualities
- Pole Reservation System
  - Current regulations set a system for “pole reservation” and allow users to hold a pole for a period of time prior to the actual installation of the facility
  - Proposed modification requires a specific application; if there are multiple applications for a pole, the City determines which Applicant to move forward with in the process



EXAMPLES  
PROVIDED BY  
CROWN CASTLE OF  
SIMILAR  
INSTALLATIONS

Existing wood utility pole



EXAMPLES  
PROVIDED BY  
CROWN CASTLE OF  
SIMILAR  
INSTALLATIONS

Light Pole Mounted  
Equipment

Revised Presentation 12-18-18



EXAMPLES  
PROVIDED BY  
CROWN CASTLE  
OF SIMILAR  
INSTALLATIONS



Pole Mounted Equipment

EXAMPLES  
PROVIDED BY  
CROWN CASTLE OF  
SIMILAR  
INSTALLATIONS



Ground Mounted  
Equipment



# NEXT STEPS

- Determine if the Mayor and City Council would like to hold a public hearing on the proposed modifications
- ~~Potential~~ Public Hearing Date - January 7<sup>th</sup>
- ~~January 8<sup>th</sup> at 5 pm~~ **To be determined at the January 7<sup>th</sup> Public Hearing**– Close of public record
- ~~January 22<sup>nd</sup>~~ **To be determined** – Adoption of Regulations and approve template Franchise and Master License Agreements

