

Small Cell Construction Standards

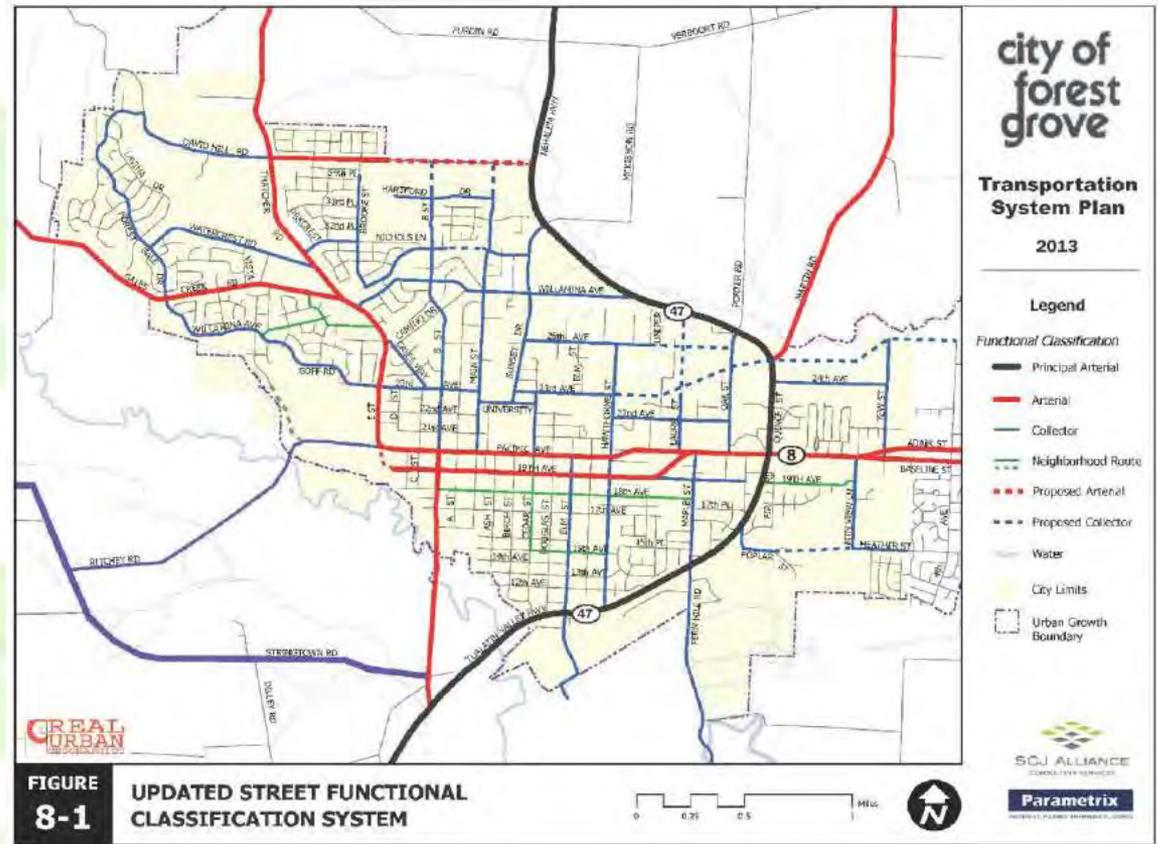
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2/25/19

Locations

Street Priorities

- Principle Arterials
- Arterials
- Collectors
- Neighborhood Routes



Locations

Pole Priorities

- Utility Poles
- Street Light Poles
- Monopoles

Restrictions

- May not impede roadway, walkway, or bicycle lane
- Equipment may not be located near entrance of a business or residence
- Facilities must maintain a minimum 250' separation

Utility Pole Installation

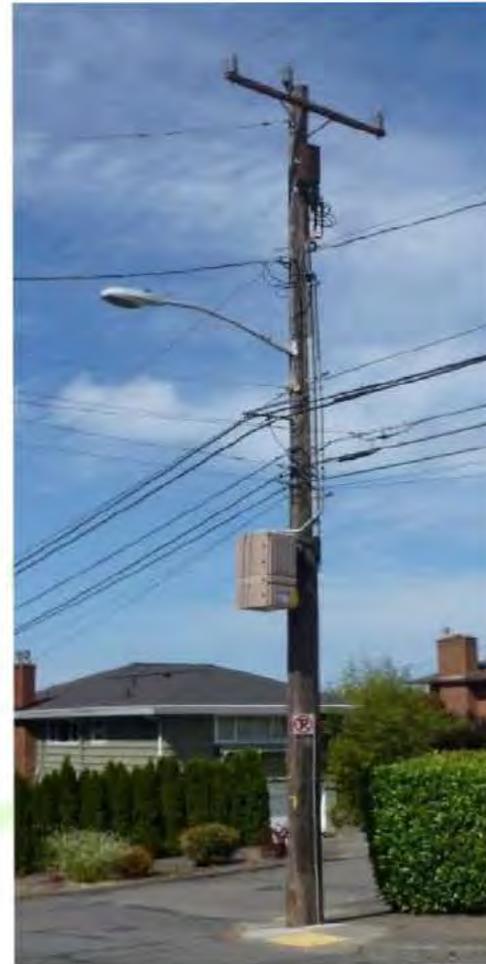
Requirements

- Install in power or communications space
- Maximum of two antennas
- Equipment Cabinet located 16 feet above ground

Size Limitations

- Equipment Cabinet
 - Maximum: 2 ft wide x 3 ft tall x 1.5 ft deep
- Antenna
 - Maximum: 2 ft in any direction and 2.5 cubic ft

Examples



Street Light/Monopole Install

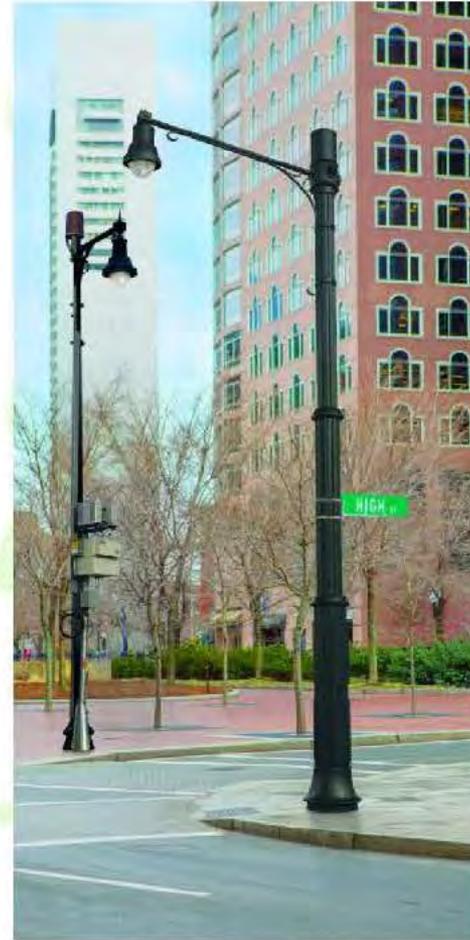
Requirements

- New pole installation
- Antenna mounted on top
- Cabinet incorporated into the base
- Color and style must match surrounding structures

Size Limitations

- Cabinet
 - Maximum: 3 ft diameter and 4 ft tall
- Antenna
 - Maximum: 4 ft tall and 1.5 ft diameter

Examples



Safety

Normal Conditions

- RF warning stickers near antenna
- All installations must comply with FCC regulations
- No small cell equipment installed above high voltage lines

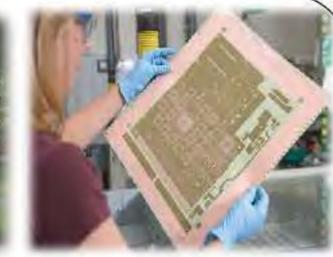
Emergency Situations

- Lockable disconnect accessible to lineman
 - Disconnects all AC as well as DC backup feeds
- 24-hour contact information tag on pole
- Ability to disconnect small cells to restore power



Questions?

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Small Cell Wireless Fees

Paul Downey, Admin. Services Director

Keith Hormann, L&P Director

Purpose

- To present to Council potential application fees and annual attachment fees that the City will assess for small cell wireless facilities located in the right-of-way
- Goal is to:
 - Establish fees that recover the City's cost of administering small cell wireless facilities in the public's right-of-way
 - Provide a mechanism for expedited review of applications including fees to cover costs when additional help is necessary to review applications

Status

- City currently has no small cell wireless facilities located in the right-of-way
- City has not received any applications to locate small cell wireless facilities in the right-of-way. One carrier has had preliminary discussions with the City.
- City is considering design standards and fees related to such facilities to comply with FCC order

FCC Order on Fees

- Per the FCC Order to use fees other than the fee listed in the Order, the fees must be:
 - A reasonable approximation of the local government's costs to process the application and manage the right-of-way
 - Only objectively reasonable costs can be factored into fees
 - Not higher than fees charged to similarly-situated competitors in similar situations

FCC Order on Fees

- Per the FCC Order, fees can be based on the following costs:
 - Staff review of application
 - Provider's use of the right-of-way
 - Maintaining the right-of-way
 - Maintaining structures in the right-of-way

Proposed Fee

- Staff is proposing fee types similar to what other cities in Washington County are establishing:
 - One-time application fee, per attachment
 - Expedited review fee
 - Pass-through consultant fee
 - Annual attachment fee, per attachment per year
- Staff will also be proposing a fee if City staff have to do repair work due to an attachment or provide assistance that is beyond regular maintenance. That fee will be actual labor costs, equipment, and material costs.

Application Fee

- Staff is proposing an application fee of \$760 per application based on staff time (salaries and benefits) and overhead
- Staff is estimating 8 hours per application with tasks to potentially include:
 - Coordination with utility providers during application process
 - Review of application – first and second reviews if changes
 - Site visits including construction overview and inspection
 - Coordination with pole owner if pole is not owned by City
 - Various administrative tasks

Expedited Review Fee

- Staff has 60 days to review an application for an existing pole and 90 days if a new pole is required
- If faster review is requested, staff is proposing an additional \$500 fee per application
- This fee would be voluntary and would allow providers to request a faster timeframe for review. Staff is proposing to complete the review in no more than $\frac{1}{2}$ of the days allowed by the FCC Order.
- Fees would pay for the accelerated review and the administrative burden of rescheduling other work assignments.

Consultant Fee

- Pass through cost incurred by City – consultant fee plus staff time to manage consultant contract
- This fee would the City to recover all cost incurred to hire and manage a consultant to meet review timelines required by law
- Consultants may be required when the volume of applicants is greater than staff capacity

Annual Attachment Fee

- Staff is proposing an annual attachment fee of \$810 per application based on staff time (salaries and benefits) and overhead
- Staff is estimating 8.5 hours per attachment with tasks to include:
 - Maintaining the right of way itself (hardscaping and landscaping)
 - Maintenance of poles
 - Tree trimming around aerial lines
 - Tracking attachments in the right of way
 - Coordination with the utility provider regarding facilities in ROW
 - Coordinate potential traffic impacts when maintenance is done

Summary of Proposed Fees

- Proposed Application Fees:
 - Application Fee: \$760 per application
 - Expedited Review Fee: \$500 per application
 - Consultant Fee: Cost incurred plus 20% to manage consultant
- Proposed Attachment Fees:
 - Annual Attachment Fee: \$810 per attachment
 - Preparing Poles, Repairs or Assistance Beyond Regular Maintenance: Actual labor, equipment, and material costs incurred.

Questions

