

DESIGN AND DEVELOPMENT STANDARDS FOR WIRELESS FACILITIES IN THE PUBLIC RIGHTS-OF-WAY (Public ROW)

The following Design and Development Standards are subject to change at any time at the sole discretion of the City of Goleta (City)

The City recommends that wireless carriers avoid locations where equipment would be close to windows (especially residential windows), in front of historically/architecturally significant buildings, or in locations where they would disturb views as outlined in the General Plan. Common challenges to avoid when developing these types of facilities include:

- Noisy cooling fans;
- Large/bulky/wide equipment enclosures;
- Cluttered/messy cabling;
- Flashing lights, decals, and stickers that are repetitive, distracting, poorly placed, or non-essential;
- Excessive and/or unnecessary pole height increases; and
- Equipment in front of windows.

A) Visual Criteria

1. Undergrounding of all wireless facilities/equipment, except for antennas is required. When insufficient space in the Public ROW exists to underground wireless facilities/equipment, the view impacts of the equipment must be minimized to surrounding properties.
2. Above-ground wireless facilities including antennas must be camouflaged and integrated into surroundings.
3. Antenna(s) associated with the collocation on existing or replaced utility poles must have concealed cable connections, antenna mount and other hardware.
4. Maximum dimensions for antennas must not be more than six (6) cubic feet in volume, including any enclosure for the antenna.
5. Use of non-reflective materials and colors is required for both wireless support facilities and antennas. Colors and materials of the Antennas, Brackets, and Cabling (including shroud and fiber termination enclosure) must be designed, textured and colored to match existing light pole for aesthetic consistency.
6. Antennas and Remote Radio Units (RRUs) must be placed within a shroud above the light. RRUs attached to the side of the pole are discouraged. If side mounting is necessary, use the smallest RRU volume possible and place with minimal separation from the top of the pole.

7. Antenna and RRU shrouds must be mounted directly above the top of light pole and have nearly the same diameter as the pole at a ratio of approximately 1:1 for a more visually streamlined form from the street level.
8. Only signage required by State, Federal or electrical utility regulations is allowed. Regarding radio-frequency (RF) and Node signage:
 - a) Utilize the smallest and lowest visibility (e.g. yellow instead of blue) RF warning sticker required. Place the RF sticker as close to the antennas as possible, facing directly out toward the street, or directly away from the street if there is no window within 25 feet of the pole.
 - b) Avoid the use of large and highly visible Node (site) identification tags. Use sticker colors that are more muted/ same color as the approved equipment color but with white color lettering. Consider placing the Node ID sticker on the underside of the equipment enclosure so it is only visible when standing next to the pole and looking up. If the node ID sticker cannot be placed on the underside of the main equipment area, then place the sticker on the side of the enclosure facing in the direction of travel.
9. When placed above-ground, wireless equipment must be either completely contained and concealed within the interior of an integrated streetlight, camouflaged in an above-ground pedestal, and/or attached within a shroud at the top of an existing utilities pole in a manner where their protrusion is minimized.
10. New pole installations must be substantially similar in type, height, color and texture as the other poles in the immediate area. Height of new poles cannot exceed 10% of the height of the adjacent existing poles.
11. The height created by antennas attached to the top of a pole cannot exceed 10% of the pole's pre-attachment height.
12. No new poles shall be closer than 250 feet from any other poles except in the case of a traffic signal pole.
13. All equipment attached to a pole must be the same color as the pole they are being attached to or be contained within a shroud that is the same color as the pole.
14. All electrical wires/cables etc., must be concealed within conduit. The conduit must be the same color as the pole.
15. Only in non-residential areas may antennas be strand mounted. Strand mounted antennas are not permitted on any residential street, residential alley, or in residential backyard easements.

16. All cables, RRUs, and antennas must be contained within a shroud made of the same materials and color as the existing pole.
17. A small cell facility on a City-owned wireless support structure/pole may not be used the same power source that provides power for the original purpose of the wireless support structure/pole.
18. Service lines must be undergrounded whenever feasible to avoid additional overhead lines. For metal poles, undergrounded cables and wires must transition directly into the pole base without any external junction box. Exceptions will be reviewed upon request.
19. To reduce clutter and deter vandalism, excess fiber optics or coaxial cables for small cell facilities must not be spooled, coiled or otherwise stored on the pole except within an approved enclosure such as a cage or cabinet.
20. On wooden poles, all above-ground wires, cables and connections must be encased in the smallest section or smallest diameter PVC channel, conduit, u-guard, or shroud feasible with a maximum dimension of 4" diameter. Such conduit must be finished in the same materials/colors as the other metal finishes found on the pole.

B) Location

1. Installation on traffic signals is strongly discouraged by the City.
2. Installations on traffic signals structures or street lights must not interfere with the integrity of the facility in any way that may compromise the safety of the public. The installation must not interfere with other existing uses on the pole such as traffic signals, street lights, flags, banners etc. Installation of small cell facilities on any traffic signal structure or street light must (a) be encased in a separate conduit that than the traffic light electronics; (b) have a separate electrical power connection than that traffic signal/street light structure; and (c) have a separate access point than the traffic signal/street light structure.
3. Small cell facilities and related equipment must not impede pedestrian or vehicular traffic in the right of way. If any small cell facility or wireless support structure is installed in a location that is not in accordance with the plans approved by the City, impedes pedestrian or vehicular traffic and/or or does not comply or otherwise renders the right of way non-compliant with applicable laws, including the Americans with Disabilities Act, then the operator must promptly remove the small cell facilities and/or wireless support structure. If the operator does not complete removal in a reasonable timeframe, the City will remove it and bill the operator for the cost of the removal.

4. In areas close to residences or windows, use passive cooling systems to minimize noise intrusions. When a fan is needed, consider using longer enclosures with sufficient space to allow for additional airflow. The applicant must incorporate ambient noise suppression measures and/or required to place the equipment in locations less likely to impact adjacent residences or businesses to ensure compliance with all applicable noise regulations
5. The City strongly discourages more than one (1) new wireless support structure per block and will not approve more than one per 250 feet on each side of the street to minimize the hazard of poles adjacent to roadways and minimize visual clutter and distractions to vehicular traffic. An exemption may be granted if the applicant can demonstrate that this restriction has the effect of preventing wireless services in this location. Wireless support structures must be spaced at the same spacing between other poles in the immediate proximity.
6. The centerline of any new wireless support structure must be aligned, as much as possible, with the centerlines of existing poles on the same street segment. The City may require the applicant to install functional streetlights and/or brackets for flags, banners etc. when technically feasible and the City determines that such additions will enhance the overall appearance and usefulness of the proposed facility. The City may install flag/banners etc. utilizing the brackets.
7. Locate 500 feet away from residential zone(s) when feasible. A facility within 500 feet of a residential zone should not be within the horizontal field of vision of residential living areas.
8. Small cell facility should be co-located on existing poles whenever feasible to minimize clutter.
9. Small cell facilities and wireless support structures and related equipment must be placed, as much as possible, in line with other utility features and in a location that minimizes any obstruction, impediment or hindrance to the usual travel or public safety on a right of way.
10. Small cell facilities must be installed at least eight (8) feet above the ground. If a small cell facility attachment is projecting toward the street, for the safety and protection of the public and vehicular traffic, the City may require the attachment to be installed no less than sixteen (16) feet above the ground and two (2) feet from the face of the curb.
11. No protrusion from the outer circumference of the existing structure or pole must be more than two (2) feet. The pole and all attachments to the pole that are projecting, or any equipment or appurtenance mounted on the ground, must comply with Americans with Disabilities Act and must not obstruct an existing or planned sidewalk or walkway. The City, at its option, may waive the requirement to limit the protrusion to no more than two (2) feet.

12. Installations on all City-owned poles must have an industry standard engineering analysis completed, signed, and stamped by a Professional Engineer licensed and registered by the State of California. Said analysis for each pole must be submitted to the City with each permit application indicating that the City-owned pole to which the small cell facility will be attached to will safely support the load.

C) General Requirements

1. Permitting. An application must be submitted to obtain an Encroachment Permit to install any wireless facility in the Public ROW. If the site is located within the Coastal zone, the applicant must provide proof of Coastal Commission approval or waiver.
2. Replacement Poles. Subject to City's approval and execution of a separate agreement, wireless infrastructure providers may remove an existing City-owned streetlight and replace it with an integrated streetlight pole that contains all the wireless infrastructure provider's equipment concealed within its interior, so long as the replacement streetlight/pole is substantially similar in type, height, color and texture to the City streetlight that is being replaced. After installation, integrated streetlights become the property of the City.
3. Conditions of approval. The following conditions of approval at the minimum are applicable in addition to any others adopted in Chapter 12.20 of the Goleta Municipal Code:
 - a) The applicant is responsible for obtaining permits from permitting agencies, including but not limited to California Coastal Commission, California Fish and Wildlife, US Fish and Wildlife, Santa Barbara County Flood Control District, and Regional Water Quality Control Board. Failure to comply with other permitting agency requirements/permits may be grounds for revocation of this Encroachment Permit.
 - b) Prior to this Encroachment Permit becoming effective, the applicant must execute a Lease Agreement with the City of Goleta for the installation of small cell equipment any City facility located within the City's Rights of Way.
 - c) Generators that support wireless facilities are prohibited from being placed in Public Rights-of Way and within setback areas on adjacent private properties.
 - d) Wireless infrastructure providers must have their own electrical metering/source for their use of electricity.
 - e) Installation design must prevent creating an attractive nuisance and must deter incidents of graffiti, vandalism and unauthorized access such as climbing.

- f) All existing trees in the right-of-way must be protected in place. If a street tree is removed or damaged because of the installation or maintenance of the small cell antenna, then the affected street tree must be replaced at a three (3) to one (1) ratio with City approved street trees type in a location(s) determined by the City.
- g) Wireless facilities cannot endanger public/property, impeded the flow of vehicular or pedestrian traffic, impair the use of poles, traffic signs, traffic signals, outdoor dining areas, emergency facilities or result in a failure to comply with the Americans with Disabilities Act.
- h) Installation of signs are prohibited, except those that contain safety warnings or decals that indicate ownership or equipment as outlined in Section A of this document.
- i) Wireless infrastructure providers are required to maintain or enhance existing landscaping consistent with surrounding vegetation.
- j) In residential areas, only passive cooling systems are permitted. If a fan is needed in non-residential areas, a cooling fan with a noise profile that does not exceed 50 decibels must be used.
- k) No facility may be illuminated unless specifically required by the Federal Aviation Administration (FAA) or other government agency. Beacon lights are not permitted unless required by the FAA or other government agency.
- l) Legally required lightning arresters and beacons must be included when calculating the height of facilities.
- m) Any required lighting must be shielded to eliminate, to the maximum extent possible, impacts on the surrounding neighborhood.
- n) Unless otherwise required under FAA or Federal Communications Commission (FCC) regulations, applicants may install only timed or motion-sensitive light controllers and must deflect lights to avoid illumination impacts to adjacent properties to the maximum extent feasible. The City may, in its discretion, exempt an applicant from the foregoing requirement when the applicant demonstrates a substantial public safety need.
- o) The Applicant/Permittee must, at Applicant/Permittee's expense, defend, indemnify and hold harmless the City and its agents, officers and employees from any claim, action, or proceeding against the City or its agents, officers, or employees to attack, review, set aside, void, or annul, in whole or in part, the City approval of this permit or any condition attached hereto or any proceedings, acts, or determinations taken, done, or made prior to the approval of this permit that were part of the approval process.

