

# VILLAGE OF LA GRANGE

RESOLUTION NO. R-20-12

## A RESOLUTION APPROVING DESIGN GUIDELINES FOR DEPLOYMENT OF SMALL WIRELESS FACILITIES

WHEREAS, the Village of La Grange maintains miles of rights-of-way and vast infrastructure throughout the Village, which rights-of-way and infrastructure are essential to the wellbeing of the Village, its residents, and its businesses; and

WHEREAS, the changing technology of wireless telecommunications, and its related infrastructure, can have a significant impact on the Village, its residents, and its businesses, and the Village has the responsibility to minimize any adverse impacts; and

WHEREAS, as telecommunication infrastructure such as small wireless facilities are deployed by wireless services providers, the Village has certain legal authority to minimize the impacts on the Village from those deployments; and

WHEREAS, among other authority, the Village may regulate the aesthetics of deployments of small wireless facilities; and

WHEREAS, in accordance with the Village's authority, the Village has prepared aesthetic and other standards for the deployment of small wireless facilities; and

WHEREAS, the President and Board of Trustees of the Village of La Grange have determined that the standards established by the Village are useful, compliant with applicable law, and in the best interests of the Village;

NOW, THEREFORE, BE IT RESOLVED by the President and Board of Trustees of the Village of La Grange, Cook County and State of Illinois, as follows:

Section 1. Recitals. The recitals are incorporated into this Resolution as findings of the Board of Trustees.

Section 2. Approval of Aesthetics Standards; Revisions. The standards set forth in Exhibit A attached to and by this reference are incorporated into this Resolution, titled Guidelines for Design, Aesthetics, Stealth, and Concealment for Small Wireless Facilities and Support Structures (the "Guidelines") are necessary and appropriate and are hereby approved and adopted by the Board of Trustees. The Village Manager may revise or supplement the Guidelines from time to time upon approval of the revision or supplement by the Board of Trustees.

Section 3. Effective Date. This Resolution will be in full force and effect as of its passage and approval.

PASSED this 14 day of December 2020.

AYES: Trustees Augustine, Gale, Holder, Kotynek, McCarty and McGee

NAYS: -0-

ABSENT: -0-

APPROVED this 14 day of December 2020.

  
Mark Kuchler, Village President

Attest:

  
John Burns, Village Clerk

# VILLAGE OF LA GRANGE

## **Guidelines for Design, Aesthetics, Stealth, and Concealment for Small Wireless Facilities and Support Structures**

These Guidelines for Design, Aesthetics, Stealth, and Concealment apply to small wireless facilities (“SWFs”) and their support structures within the Village. These Guidelines apply to the fullest extent allowed by federal or State of Illinois law. The overall purpose of these Guidelines is to minimize the impacts on the Village and its residents of the deployment and maintenance of SWFs. These Guidelines are intended to provide the least intrusive means and places for SWFs. These Guidelines are consistent with the La Grange Code of Ordinances (the “Village Code”), including in particular Chapter 102 of the Village Code, which governs SWFs. The key terms in these Guidelines are defined in Chapter 102. In the event of an inconsistency or conflict regarding design, aesthetics, stealth, or concealment between a provision of Chapter 102 and a provision of these Guidelines, the provision of these Guidelines will apply unless determined otherwise by the Director of Public Works (the “Director”).

Every installation of an SWF within the Village must comply with these Guidelines.

### Section A. Small Wireless Facilities.

1. Antennas and their related mounting equipment, including brackets, must be mounted no less than 12 feet above ground level, as measured to the lowest most point of the installation.

2. All SWFs installed on Village poles or other infrastructure or right-of-way must be on existing street lights designated by the Director. The Director may approve placement on other Village infrastructure based on existing circumstances. If a new wireless support structure is proposed, the support structure must be a street light unless otherwise approved by the Director.

3. All poles must match the Village’s existing decorative pole design unless otherwise approved in writing by the Director.

4. Installation of SWFs are not allowed on residential or pedestrian-oriented street lights.

5. Unless otherwise approved by the Director, each antenna not hidden within a utility pole must be located entirely within a shroud enclosure not more than six cubic feet in volume that is capable of accepting paint to match the approved color of the SWF. If an approved antenna has exposed elements, then the antenna and all of its exposed elements must fit within a space equivalent to six cubic feet.

6. Top-mounted antennas and their enclosures must be mounted directly above the utility pole or other support structure unless an alternative design is approved by the Director. There must be a smooth, integrated transition between the utility pole and antenna and enclosure.

7. Side-mounted antennas are not allowed unless approved by the Director. If approved by the Director, side-mounted SWF antennas within a shroud enclosure and side-mounted SWF equipment enclosures must be flush mounted, if possible, to the utility pole or wireless support structure at the level of the attachment. If not flush-mounted, then metal flaps (“wings”) must extend from the enclosure to the utility pole or wireless support structure to conceal any gap between the SWF and the utility pole or wireless support structure. The design of the flaps must be integrated with the design of the small wireless facility and must be the same color.

8. An SWF located on a street light pole must not block the light or otherwise interfere with the purpose of the street light fixture or traffic control structure.

9. An SWF must be attached to the pole or wireless support structure using steel clamping mounts or stainless steel bands, which mounts or bands must be of the same color as the pole or wireless support structure, except as otherwise approved by the Director. The mounting elements must integrate into the SWF. Through-bolt and lag bolts are prohibited on Village-owned poles. The wires serving an SWF on a Village pole must be concealed within the hollow interior of the pole. If concealment is not feasible on an existing Village pole, then the Village may require installation of a new pole that matches existing Village design standards. For a new pole or wireless support structure, wires serving the SWF must be concealed within the hollow interior of the pole or wireless support structure, except as otherwise approved by the Director.

10. All small wireless facilities must be installed in accordance with Chapter 102 and all other applicable Village codes.

11. Wiring and cabling must not interfere with any existing wiring or cabling installed by the Village, a utility, or a SWF services provider.

12. Guy-wire or other support wires are prohibited in connection with an SWF unless the SWF will be attached to an existing utility pole or wireless support structure that incorporates guy-wire.

13. The Village will not authorize any attachment of an SWF to a Village-owned pole that threatens the structural integrity of the pole. The Village may approve a collocation if the subject pole is replaced or modified to meet Village standards.

14. Each SWF must be located in a manner that meets the Americans with Disabilities Act of 1990 and does not obstruct, impede, or hinder common pedestrian travel.

15. A SWF on a Village-owned pole may not use the same source of power or the same source of communication as an existing infrastructure, except as otherwise approved by the Director.

16. Each SWF must include a stainless steel or aluminum plate of approximately 2” x 4” in size affixed to the SWF, with the wireless provider's name, location information, and an emergency telephone number. The plate must be fixed at eye level.

17. Unless authorized by the Director, an SWF may not be located within 50 feet of the principal entrance to a single family house unless the SWF is collocated on an existing Village pole, another utility pole, or another structure consistent and compliant with federal and State law, Chapter 102, and these Guidelines.

18. All SWF equipment not installed underground, must be mounted on a utility pole or other wireless support structure or on the ground as determined by the Director. Undergrounded equipment must be installed flush to the ground in a location designated by the Director. For equipment that must be placed above ground to function, the SWF services provider must install landscaping to mitigate the impacts of the above-ground installation. All ground-mounted equipment must be fully screened at all times.

19. Except for SWFs placed on electric utility poles, no SWF may be powered by any above-ground wire connection from another utility pole. Any permissible above-ground connection to an SWF must follow an existing wire path. New wire paths are prohibited.

20. All damage to turf, trees, plants, or other landscape features caused by SWF-related construction, installation, operation, or maintenance must be repaired by the SWF services provider to a condition as least as good as the condition prior to the damage. In addition, the SWF services provider must adhere to the Village's Tree Preservation Policy under all conditions.

21. The Village, at any time, may alter, improve, maintain, and otherwise change any element of any street and any other public improvements or infrastructure underground, on the ground, or above ground in any way and at any time (each and all being "Village Work") If the Director determines that Village Work will require relocation or rearrangement of an SWF, then the SWF services provider must do or cause to be done, at its expense, all things necessary to accomplish the relocation or rearrangement, except only if inconsistent with specific federal or State law.

22. An SWF may not be collocated on the following structures, whether located in the public right-of-way or not:

- a. any utility pole scheduled for removal or relocation within 12 months after the time the Village acts on the application;
- b. a new, non-replacement wood pole installed by the SWF services provider, unless approved by the Director.

23. The SWF services provider is required to install only an SWF that has the smallest visual profile to the extent commercially available, technologically compatible with the local network system, and used in its national or regional wireless network system.

24. When equipment replacement is being undertaken by the SWF services provider, the SWF services provider is required to replace the old equipment with equipment that has the smallest visual profile currently available, technologically compatible with the local network system, and used in its national or regional wireless network system.

#### Section B. Replacement of Existing Street Light Poles.

The following standards apply when replacing an existing street light pole with a combination SWF and street light pole. A replacement may be located only where an existing street light pole can be removed and replaced or at a new location that has been identified and approved by the Village. Each replacement must meet the following standards:

1. The replacement street light pole must conform to the Village's approved decorative streetlight design or as otherwise approved by the Director. In a location where the Village-approved design is not applicable as determined by the Director, the replacement street light pole must be of a similar design, material, and color as the replaced street light pole or other poles within the immediate area as established by these Guidelines, unless an alternative design is approved by the Director.
2. The replacement street light pole and pole foundation must conform to the Village's standards and specifications for street light design and construction, unless an alternative design is approved by the Director.
3. A replacement street light pole must be an equal distance from other street light poles based on the average distance between existing street light poles within the area and must adhere to the photometric standard established by the Village.
4. The street light pole must be designed and engineered to support a luminaire and, if applicable, a mast arm of length equal to that of the existing pole to be replaced or of a length approved by the Director based on the location of the replacement street light pole.
5. The luminaire and mast arm, if any, must match the arc and style of the original luminaire and mast arm, unless otherwise approved by the Director.
6. The replacement luminaire and mast arm must be at the same height above the ground as the existing luminaire and mast arm.
7. Each replacement street light pole must have new LED light fixtures of the same manufacturer, model, and light output as the removed fixture and nearby light fixtures, or as otherwise approved by the Director.
8. A replacement street light pole and all of its fixtures and electrical components must have a five-year manufacturer's replacement warranty.
9. A replacement street light pole must meet American Association of State Highway and Transportation Officials structural guidelines for roadway applications and the American National Standards Institute requirements for vibrations.
10. The replacement street light pole height, measured from the ground to the highest point, must be consistent with those of existing street lights, in keeping with these Guidelines, unless an alternative height is approved by the Director.
11. The SWF components must be sized appropriately to the scale of the street light pole, and, the SWF services provider must replace any SWF with antennas and other equipment that currently have the smallest visual profile.
12. The replacement street light pole must include equipment covers, base covers, and any other features in forms that match or are consistent with existing pole, as determined by the Director. Each street light pole component must be architecturally compatible to create a cohesive aesthetic. All hardware connections must be hidden from view.
13. Unless an alternative arrangement is approved by the Director, a replacement or new street light pole will continue to be owned by the Village or, if not currently owned, then title to the pole transferred to the Village.

Section C. Installation of New Wireless Support Structures; Locations.

1. The proposed location and design of a new wireless support structure must be submitted to the Director for review prior to the submission of an application related to the structure. The Director's review will not be for the purpose of approval, but instead for the purpose of identifying existing utility conflicts and other issues that may be resolved by the applicant and the Director.

2. A new wireless support structure must be designed to minimize the visual and aesthetic impacts of the vertical elements and SWFs in the surrounding area and must blend in with the surrounding streetscape. The Village may require a new wireless support structure to be constructed of a specific material that will enhance the stealth and concealment of the structure.

3. A new wireless support structure must be metal unless otherwise approved by the Director. The new wireless support structure must conform to these Guidelines. In areas where the Village-approved designs are not applicable, a new wireless support structure must otherwise match the design, size, type, material, and color of existing utility poles, including street light poles and ornamental lights, within the immediate area, except as otherwise approved by the Director.

4. Within areas zoned as residential districts by the Village's Zoning Code, a new SWF must be located on an existing utility pole or, in the absence of an existing pole, a new pole, at the junction of two rear lot lines within the right-of-way, or as otherwise designated by the Director.

5. Except for new wireless support structures with street lights located at corner intersections, a new wireless support structure must be equally distanced from other utility or street light poles, unless an alternative location is approved by the Director. If a new wireless support structure cannot be located equally distant, then the Director may approve a wireless support structure designed and placed as a stealth pole.

6. The centerline of a new wireless support structure must be aligned, to the fullest way possible, with nearby existing utility poles or parkway trees. If a centerline alignment is not feasible, then the Director will identify an appropriate location.

7. In the event a permit is issued for an installation of an SWF in a residential area, the new pole must be located a minimum of 12 feet from any driveway apron unless otherwise approved by the Director.

8. A new wireless support structure in a parkway must be sited outside the critical root zone of existing trees and as provided in Chapter 102 and the Village's Tree Preservation Policy except as otherwise approved by the Director.

9. The outside diameter of any new wireless support structure must not exceed the diameter of existing utility poles located within 300 feet of the location of the new wireless support structure.

10. A new wireless support structure must not exceed the height authorized by Chapter 102 of the Village Code.

11. A new wireless support structure must be round in shape with a smooth pole shaft except if the structure is installed adjacent to or near an ornamental light. In that case, the structure shaft must be similar in shape to the existing ornamental light and of a design approved by the Director.

12. A new wireless support structure incorporating a SWF must be tapered in diameter from the base to the top, with a maximum diameter of 12 inches at the base and a maximum diameter of eight inches at the top or must blend into the diameter of the top of the existing or proposed utility pole, except as approved otherwise by the Director.

13. A new wireless support structure incorporating an SWF in an equipment enclosure within a base may use a pole tapered in diameter or a pole with a consistent diameter if, and as, approved by the Director.

14. Each new wireless support structure must be supported with a reinforced concrete foundation designed, stamped, sealed, and signed by a structural engineer licensed and registered in the State of Illinois and approved by the Director.

15. All anchor bolts must be concealed from public view with covers that match the wireless support structure color.

16. If the Village receives more than one request to install two or more wireless support structures in approximately the same location, in a manner that would violate Village requirements and standards, then the Village will determine a reasonable, nondiscriminatory solution.

#### Section D. Stealth and Concealment Requirements.

Wireless providers must comply with the design and construction standards generally applicable to utility installations in the public right-of-way, as set forth in Chapter 102 of the Village Code, as well as the following standards and all other Village design standards and aesthetic requirements adopted by the Village Board of Trustees, including without limitation the Village's historic district. In addition:

1. The use of stealth technology is required wherever possible, as determined by the Director, to achieve the least visually and physically intrusive design and construction of an SWF and to minimize adverse aesthetic and visual impacts on right-of-way, property, buildings, and other facilities.

2. All elements of an SWF must be of a color that is identical to the utility pole or of a neutral color compatible with the color of the utility pole as determined by the Director, so as to camouflage or conceal the SWF's appearance, create consistency among right-of-way infrastructure, and to make each SWF as unobtrusive as possible. A clear, color digital photo simulation of the utility pole or wireless support structure location showing before and after views, for the purpose of determining the true visual impact of the proposed SWF is required.

3. Mechanical equipment and devices must be placed underground, or within the pole base, or within an unobtrusive equipment enclosure or other device mounted directly to the pole a minimum of 12 feet above ground and screened by means of Village-approved concealment methods, as approved by the Director.



4. An SWF must be located and oriented as determined by the Director to minimize impact on views.

5. The wireless services provider must use the smallest suitable SWF then in industry use.

6. The Director may require landscaping and fencing as necessary to mitigate the effects of a ground-mounted enclosure as provided in Chapter 102 of the Village Code. All ground-mounted enclosures must be fully screened at all times.

7. SWFs must not be artificially lighted or marked, except as required by law.

8. Except for top-mounted antennas, a SWF mounted on the side of the utility pole or wireless support structure, only if approved by the Director, will be opposite the direction of vehicular traffic along the same side of the street.

9. The wireless services provider may propose alternative measures for concealment. The Director will consider alternative measures if they are at least as effective in concealing the SWF as determined by Director.

#### Section E. Historic Districts and Landmarks.

For the La Grange historic district and historic landmark buildings, the Director may require the following conditions in addition to the design, aesthetics, stealth, and concealment standards:

1. An SWF must be comprised of materials that are consistent with the surrounding architecture and other notable elements in the historic district and must blend in with the materials and architecture of a historic landmark, as determined by the Director.

2. No SWF may be mounted upon any structure designated as a historic landmark.

The design or concealment measures with respect to the historic district or a historic landmark, including restrictions on specific utility poles, will not have the effect of prohibiting the installation of an SWF based on the wireless services provider's technology so long as the provider makes its best effort to comply with these Guidelines. The design and concealment measures in this section will not be considered a part of SWF for purposes of the size restrictions of a SWF.

This Section may not be construed to limit the Village's enforcement of historic preservation in conformance with the requirements of the Illinois State Agency Historic Resources Preservation Act, or the National Historic Preservation Act of 1966, or the regulations adopted to implement those laws.