

Public Right-of-Way Personal Wireless Service Facility Standards and Regulations

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Engineering and Street Services Division



City of
Santa Monica[®]

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APPROVED BY:

A handwritten signature in blue ink, appearing to read "Joshua Carvalho", is written over a horizontal line.

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CHAPTER 1 WHAT'S NEW IN THIS VERSION

Below is a summary of changes that have been made since the previous publication of the Standards, which were published on August 9th, 2022.

- Section 3.1.2, Wireless Facility Permit: Added inclusion of batching of broadband permit applications.
- Exhibit C: What the city defines as substantially similar or nearly identical design.

CHAPTER 2 PURPOSE AND OVERVIEW

2.1 GENERAL

Pursuant to Santa Monica Municipal Code (SMMC) Section 7.70.040, the City Council authorizes the Public Works Director to publish a Public Right-of-Way Personal Wireless Service Facility Standards and Regulations (Standards) document to supplement the regulations set forth in SMMC 7.70. In addition, by way of SMMC 7.70 the City Council authorizes the Public Works Director to develop and publish permit application forms, checklists, informational handouts, and other related materials for SMMC 7.70. Sections of SMMC 7.70 are reproduced and/or paraphrased throughout these Standards as a matter of convenience. In the event of conflict between these Standards and SMMC 7.70, the Municipal Code shall prevail.

The purpose of these Standards is to establish requirements for personal wireless service facilities. The Standards may be updated at the discretion of the Public Works Director. These standards are published on the City's Engineering and Street Services website (santamonica.gov - How to Obtain a Wireless Permit. You are encouraged to check this website regularly for updates.)

Please note that personal wireless service facilities not within the public right-of-way are overseen by the City's Community Development Department.

The Standards are not intended to, nor shall be interpreted or applied to:

1. prohibit or effectively prohibit any personal wireless service provider's ability to provide personal wireless services;
2. prohibit or effectively prohibit any personal wireless service provider's ability to provide any interstate or intrastate telecommunications service, subject to any competitively neutral and nondiscriminatory rules or regulations;
3. unreasonably discriminate among providers of functionally equivalent services;
4. deny any request for authorization to place, construct, or modify personal wireless service facilities on the basis of environmental effects of radio frequency emissions to the extent that such facilities comply with the Federal Communication Commission's regulations concerning such emissions;
5. prohibit any collocation or modification that the City may not deny under federal or California state law; or
6. otherwise authorize the City to preempt any applicable federal or California state law or regulation.

For questions regarding this document, contact the Public Works Department, Engineering and Street Services Division at sm.engineering@santamonica.gov. Only the Public Works Director is authorized to provide formal interpretations of these Standards.

CHAPTER 3 PERMITTING OVERVIEW

3.1 PERMIT TYPES

Three permits regulate personal wireless service facilities in the public right-of-way (SMMC 7.70.050):

1. **6409(a) Permit:** Required for requests seeking approval to modify a personal wireless service facility pursuant to Section 6409(a) of the Middle Class Tax Relief and Job Creation Act (codified as Title 47 USC section 1455 and implemented pursuant to Title 47 CFR Section 1.40001). A 6409(a) Permit is a pseudo-entitlement permit; it is not an authorization to perform work in the public right-of-way. This will also include the batching of broadband permit applications ranging from 2 to 25 substantially similar designs as defined in Exhibit C.
2. **Wireless Facility Permit:** Required to construct, install, modify, collocate, relocate, or otherwise deploy a personal wireless service facility in the public right-of-way except eligible facilities requests that qualify for a 6409(a) Permit. This will also include the batching of broadband permit applications ranging from 2 to 25 substantially similar designs as defined in Exhibit C. A Wireless Facility Permit is a pseudo-entitlement permit; it is not an authorization to perform work in the public right-of-way.
3. **Wireless Telecommunications Construction Permit:** Required to perform work in the public right-of-way. A Wireless Telecommunications Construction Permit is a permit to construct and is only valid in connection with a 6409(a) Permit or Wireless Facility Permit.

3.2 APPOINTMENT REQUIREMENTS

3.2.1 6409(a) and Wireless Facility Permits

All applications and resubmittals of applications for 6409(a) and Wireless Facility Permits must be filed in person or online with the City at a pre-scheduled appointment (SMMC 7.70.060(b)(2)). **Appointments are generally accepted on Tuesdays and Thursdays.** Pursuant to SMMC 7.70.060(b)(3), appointments are not accepted:

1. Any time the Public Works counter is closed to the public;
2. Any legal holiday observed by the City;
3. The week of Thanksgiving; and
4. Three business days prior to July 4, December 25, and January 1.

To schedule an appointment, contact the City's Public Works Department at (310) 458-8737 or email pw.permits@santamonica.gov

3.2.2 Wireless Telecommunications Construction Permits

An appointment is not required to submit a Wireless Telecommunications Construction Permit application, and applications are accepted any time the Public Works counter is open to the public.

CHAPTER 4 PERMITTING PROCESSES

4.1 6409(A) PERMITS AND WIRELESS FACILITY PERMITS

The 6409(a) Permit and Wireless Facility Permit processes involve the following steps:

1. Permit Application
2. Administrative Review
3. Determination and Permitting
4. Obtain Wireless Telecommunications Construction Permit, If Approved

4.1.1 Step 1: Permit Application

A permit application and all required materials shall be submitted to the City. The applicant shall submit the correct type of application for the work proposed. The latest permit applications are available on the City's website at www.santamonica.gov as well as at the City's Public Works counter. The applicant is responsible for ensuring that the latest version of the application is submitted at the time of submittal appointment. Applications not submitted on the most current form will not be processed.

4.1.2 Step 2: Administrative Review

The City will review the application. If an application is incomplete, the City shall notify the shoris needed in order to deem the application complete in the notification. The applicant must provide all requested information within sixty (60) days of being notified by the City that the application is incomplete, or the application shall be deemed withdrawn without prejudice by the applicant (SMMC 7.70.070).

4.1.3 Step 3: Determination and Permitting

Upon completing its review, the City will issue a timely determination regarding the application. If the City issues an approval determination, the applicant shall sign the determination and return a copy to the Public Works Department. The signed determination shall function as the permittee's 6409(a) Permit or Wireless Facility Permit.

Approved documents will be kept on file with the City. Approved construction documents will be released to the permittee when a Wireless Telecommunications Construction Permit is issued.

4.1.4 Step 4: Obtain Wireless Telecommunications Construction Permit, If Approved

If the Wireless Facility Permit application or 6409(a) Permit application is approved, the applicant shall then obtain a Wireless Telecommunications Construction Permit to perform the approved work. Refer to Section 3.2 for steps to obtain a Wireless Telecommunications Construction Permit.

4.2 WIRELESS TELECOMMUNICATIONS CONSTRUCTION PERMIT

A Wireless Telecommunications Construction Permit (TC Permit) must be obtained after receiving a Wireless Facility Permit or 6409(a) Permit to perform work in the public right-of-way.

The TC Permit process involves the following steps:

1. Satisfy Prerequisite Conditions of Approval
2. Permit Application and Issuance
3. Construction and Inspection

4.2.1 Step 1: Satisfy Prerequisite Conditions of Approval

The approved Wireless Facility Permit or 6409(a) Permit associated with the TC Permit application contain conditions of approval. Some conditions of approval must be satisfied prior to issuance of a TC Permit. Ensure that these conditions have been satisfied prior to or at the time of applying for a TC Permit.

4.2.2 Step 2: Permit Application and Issuance

A permit application and all required materials shall be submitted to the City. The applicant shall submit the correct type of application for the work proposed. The latest permit applications are available on the City's website at www.santamonica.gov as well as at the City's Public Works counter. The applicant is responsible for ensuring that the latest version of the application is submitted at the time of submittal appointment. Applications not submitted on the most current form will not be processed.

Staff will verify that all required materials are present with the application, including prerequisite conditions of approval. Once verified, a Wireless Telecommunications Construction Permit will be issued.

The City will also provide stamped, approved construction documents and a Wireless Telecommunications Construction Permit Inspection Card at time of permit issuance.

4.2.3 Step 3: Construction and Inspection

Upon receiving a Wireless Telecommunications Construction Permit, the permittee shall comply with the procedures set forth on the Wireless Telecommunications Construction Permit Inspection Card.

4.3 WIRELESS TELECOMMUNICATIONS CONSTRUCTION PERMIT RENEWAL

If the Telecommunication Construction Permit (TC Permit) expires, a request for a TC Permit Renewal may be submitted. The TC Permit renewal application contains the following conditions of approval:

1. A request must be submitted within 30 days of the expiration date.
2. Limited to one TC Permit Renewal request per issued TC Permit.
3. The deadline to commence work is 45 days from the issuance of the TC Permit.

The renewal of the Telecommunications Construction Permit involves the following Steps:

1. Permit Application and Issuance
2. Construction Inspection

4.3.1 Step 1: Permit Application and Issuance

A permit application and all required materials shall be submitted to the City. The applicant shall submit the correct type of application for the work proposed. The latest permit applications are available on the City's website at santamonica.gov - How to Obtain a Wireless Permit as well as at the City's Public Works counter. The applicant is responsible for ensuring that the latest version of the application is submitted at the time of submittal appointment. Applications not submitted on the most current form will not be processed.

Staff will verify that all required materials are present with the application, including prerequisite conditions of approval. Once verified, a Wireless Telecommunications Construction Permit renewal will be issued.

The City will also provide stamped, approved construction documents and a Wireless Telecommunications Construction Permit Inspection Card at time of permit renewal issuance.

4.3.2 Step 2: Construction and Inspection

Upon receiving a Wireless Telecommunications Construction Permit renewal, the permittee shall comply with the procedures set forth on the Wireless Telecommunications Construction Permit Inspection Card.

CHAPTER 5 CONSTRUCTION NOTICING

5.1 PUBLIC WORKS INSPECTOR TO DETERMINE CONSTRUCTION NOTICING BOUNDARIES, FORM AND CONTENTS

As stated on the Wireless Telecommunications Construction Permit Inspection Card, the first required inspection for any Wireless Telecommunications Construction Permit is a preconstruction meeting. During the mandatory preconstruction meeting, the City's Public Works Inspector will evaluate the permitted scope of work. Based on the scope of work and anticipated impacts to the community, the Public Works Inspector will establish the required construction noticing boundaries.

The Public Works Inspector shall review and approve the form and contents of the notice.

5.2 CONSTRUCTION NOTICING REQUIREMENTS

The permittee shall provide construction notices to all residences, businesses, and other properties within the boundaries set by the Public Works Inspector pursuant to section 5.1.

The construction notice shall be posted in a conspicuous location at all residences and businesses (such as the front door) a minimum of three (3) calendar days in advance of the proposed construction activity. When posting at multi-tenant buildings, posting of the notice at the main entry point to the building is considered acceptable if the notice is posted in a conspicuous location.

CHAPTER 6 REQUIREMENTS FOR INSTALLATIONS ON TRAFFIC SIGNALS

6.1 APPLICABILITY

Installations, modifications, or deployments of personal wireless service facilities that involve traffic signals shall comply with the requirements set forth in this chapter as well as all other applicable requirements set forth in these Standards.

6.2 COORDINATION WITH CITY DEPARTMENT OF TRANSPORTATION

The primary and paramount purpose of traffic signals is to provide for the safe and orderly movement of traffic, thereby protecting the public health, welfare, and safety. Given the variety of traffic signal configurations throughout the City, applicants are highly encouraged to contact the City Department of Transportation and Public Works Department prior to submitting an application for a personal wireless service facility on a traffic signal to obtain site-specific requirements for a desired deployment location, including, but not limited to, structural and infrastructure requirements.

Applicants shall fully comply with all requirements set forth by the City Department of Transportation and Public Works Department for wireless facility deployments on traffic signals, including requirements imposed during the formal application review process.

CHAPTER 7

REQUIREMENTS FOR INSTALLATIONS ON STREETLIGHTS

7.1 APPLICABILITY

Wireless Facility Permit and 6409(a) Permit applications that involve a streetlight shall comply with the requirements set forth in this chapter as well as all other applicable requirements set forth in these Standards.

7.2 MAXIMUM OFFSET FOR REPLACEMENT STREETLIGHTS

If an existing streetlight is proposed to be replaced with a replacement streetlight, the centerline to centerline distance between the existing and proposed streetlights shall be the minimum technically possible, but in no event shall the offset exceed 5 feet unless approved by the Public Works Department.

7.3 LIGHTING STUDY REQUIREMENTS

7.3.1 General

The primary and paramount purpose of streetlighting is to provide lighting and illumination of roadways, sidewalks, and other public spaces. In keeping with this purpose, the City requires lighting studies for certain applications that involve a streetlight. Given the number of ways that streetlights may be installed, configured, or otherwise deployed, the City may modify the requirements set forth in this chapter to ensure and verify that adequate lighting and illumination exist at a project location. All lighting study analysis must be in accordance with ANSI/IES RP-8 guidelines and recommendations for roadway lighting (and any subsequent updates/editions).

7.3.2 Replacement Streetlights

7.3.2.1 When A Lighting Study is Required

Applications that propose the replacement of an existing streetlight with a new streetlight shall be required to furnish a lighting study whenever any of the following conditions exist:

1. When the horizontal projection, elevation, and/or orientation between the existing and proposed luminaire are substantially different;
2. The offset between the existing and proposed luminaire exceeds 5 feet;
3. The replacement streetlight will utilize a different luminaire than the existing streetlight (e.g. HPS to LED) and no wattage equivalency exists; or
4. Any other scenario deemed necessary by the Public Works Director.

7.3.2.2 Lighting Study Requirements

The lighting study shall be prepared by a qualified lighting designer/engineer. The lighting study shall clearly demonstrate that the proposed illumination at the project location from the replacement streetlight will be equivalent to the existing illumination at the project location and meet ANSI/IES RP-8 guidelines (and any subsequent updates/editions). The applicant shall provide existing and proposed plan views of the project location with foot-candle values to compare existing and proposed illumination. The City may require field measured values to verify existing illumination at the project location. The extents of the project location shall be sufficiently large enough for the Public Works Department to evaluate equivalence.

7.3.3 New Streetlights

7.3.3.1 When A Lighting Study is Required

Applications that propose a new streetlight where no streetlight currently exists shall be required to furnish a lighting study.

7.3.3.2 Lighting Study Requirements

The lighting study shall comply with the requirements set by the Public Works Director for the project location. Streetlighting requirements vary by location due to a variety of factors, including adjacent land use, street classification (major arterial, collector, local, etc.), roadway geometric design, and more. Prior to submitting an application, the applicant is encouraged to consult with the City's Public Works Department for the applicable illumination standards in effect at the proposed installation location.

7.4 CITY-OWNED STREETLIGHTS

7.4.1 Applicability

Applications that involve City-owned streetlights shall comply with this section.

7.4.2 Compliance with Current Streetlight Standard

When a wireless facility is proposed on a City streetlight, the applicant shall be responsible for bringing the existing streetlight at the proposed project location up to the City's current streetlight standard in effect at that location. To confirm the current streetlight standard in effect at a proposed installation location, contact the Public Works Department.

The applicant may be required to furnish and install replacement streetlight luminaires, mast arms, a streetlight pole, a new foundation, and other appurtenant facilities in order to ensure that the replacement streetlight complies with the City's current streetlight standard in effect at the project location.

High pressure sodium (HPS) luminaires on 120/240 V circuits shall be upgraded to an LED equivalent at the applicant's sole cost and expense. To find an appropriate HPS to LED equivalent luminaire, note the existing HPS wattage on the construction documents and use the City of Los Angeles' LED fixtures list to determine a Leotek GreenCobra LED luminaire that is equivalent to the existing HPS luminaire. ([Click here to go to BSL's website](#), then click "LED Fixtures – Currently Utilized for Citywide Cobrahead Replacement Program" under the Useful Links section). A lighting study may be required pursuant to section 5.3.

Luminaires on existing high-voltage circuitry streetlighting poles shall be removed from the existing pole mount, salvaged and reinstalled, or a new exact or *similar prototype luminaire (or approved equal) to be installed on the new pole that meets minimum lighting objectives in that particular location if the existing luminaire is unsalvageable. The existing luminaire pullbox must also be removed and replaced with a N30 Christy (No. 5 Caltrans equivalent pull box) reinforced concrete pull box and cover stenciled "High Voltage" on the cover.

If LED luminaires are proposed to be retrofitted and installed on a high-voltage circuit the following must be implemented:

- LED roadway and pedestrian luminaires: Install a N36 Christy (No.6 Caltrans equivalent type) reinforced concrete pull box and cover stenciled "High Voltage" on the cover as a new or in-place of an existing pull box. In order to convert from high voltage to low

voltage power, 2 OV20 transformers must be installed in the pull box for each luminaire type based on LED power output requirements

- LED roadway OR pedestrian luminaires: Install a N30 Christy (No.5 Caltrans equivalent type) reinforced concrete pull box and cover stenciled “High Voltage” on the cover as a new or in-place of an existing pull box. In order to convert from high voltage to low voltage power, 1 OV20 transformer must be installed in the pull box for luminaire type based on LED power output requirements.

****Similar type luminaires (or approved equal) are suggested ONLY if the existing luminaire is no longer in production (See Section 7.4.2.1 below).***

7.4.2.1 Submittal Requirements for Alternate Luminaires

1. Project Record Documents: Accurately record actual location of alternative luminaire. Provide applicable permit number and address of pole location receiving new alternate luminaire.
2. Product Data: Submit catalog cuts, drawings, descriptive matter, and lighting performance characteristics as required to completely define the materials and construction details employed as an alternate solution, finishes applied, dimensions, hinging, latching and relamping provisions, and electrical characteristics.
3. All submittals and shop drawings shall be reviewed and approved by the Engineer of Record and the City before procurement or fabrication of material and equipment.
4. Products shall be tested, approved and labeled/listed by Underwriters Laboratories, Inc., or by a nationally recognized testing laboratory (NRTL).
5. Luminaire materials shall be new and within one year of manufacture, complying with the latest codes and standards. No used, re-built, refurbished and/or re-manufactured luminaire materials shall be furnished on this project.
6. Must attain similar illuminance as previous fixture per ANSI/IES RP-8 guidelines and recommendations for roadway lighting.

7.4.3 Structural Analysis

The applicant shall provide a structural analysis stamped and sealed by a qualified, California licensed civil or structural engineer, demonstrating that the streetlight structure on which the wireless facility is proposed can structurally support the proposed wireless facility and all other appurtenances attached to the streetlight structure in accordance with applicable design codes. Appurtenant structures shall include, but not be limited to:

- Existing signage installed on the pole (e.g., street name signs, regulatory/warning signs) at the project location (if the proposed streetlight will replace an existing streetlight);
- Luminaire(s) and mast arms(s); and
- One 18” w x 36” h street banner. The top of the banner shall be assumed to be mounted approximately 1 ft from the top of the streetlight.

7.5 SOUTHERN CALIFORNIA EDISON STREETLIGHTS

7.5.1 Applicability

Applications that involve Southern California Edison-owned streetlights shall comply with this section.

7.5.2 Required Forms

As of the date of publishing these Standards, Southern California Edison (SCE) requires the City furnish the documents listed in the table below to install a wireless facility on a SCE-owned streetlight pole. The City will provide the listed documents to applicants at the times listed in the table below.

SCE Document	When the City Will Complete This Document
Streetlight Authorization Form	See section 6.5.3
SCE Consent Letter	At time that application is approved
SCE Disconnect Letter	At time that application is approved

7.5.3 Final Power Design Required

Pursuant to section 9.4, the final power design for the wireless facility shall be included with the construction documents. Deferral of the final power design or inclusion of a power design as “for reference only” is not permitted.

The City understands that SCE will only provide a final power design after the City signs a Streetlight Authorization form. To accommodate this requirement, the City will work with applicants in a pre-submittal phase to provide the Streetlight Authorization Form if the applicant provides the following information to the City:

1. A properly filled-in Streetlight Authorization Form;
2. A Letter of Authorization from Southern California Edison;
3. Stamped construction drawings indicating conceptual approval from Southern California Edison of the proposed wireless facility; and
4. A lighting study, if required.

The City encourages, but does not require, applicants to engage the City in a pre-submittal phase to obtain the Streetlight Authorization Form and thus the final power design from SCE. Doing so will streamline the plan check and permitting process.

7.5.4 Instructions for Streetlight Authorization Form

Comply with SCE’s requirements when filling out the Streetlight Authorization Form. The following City requirements also apply when filling out the Streetlight Authorization Form:

1. All existing luminaires shall be converted to LED, if not already.
 - a. Supply a photo of the existing HPSV wattage (take a picture of the underside of the luminaire, which has a sticker indicating the HPSV wattage)
 - b. Use SCE’s wattage conversion table to determine the appropriate LED wattage.
2. In the Public Authority Notes section, write: 0 day outage requested: Color: 01 Black & White – Coated (anti graffiti)
 - a. The City will also insert a note requesting that the applicant’s plan check engineer be notified when scheduling the disconnect of the existing streetlight.

3. If the City determines that a lighting study is required pursuant to section 5.3, different requirements may apply.

CHAPTER 8 RADIO FREQUENCY EMISSIONS REPORT REQUIREMENTS

8.1 PRE-INSTALLATION REPORTING

All applications for personal wireless service facilities are required to submit documentation that demonstrates that the proposed facility will be compliant with the FCC's regulations concerning radio frequency emissions (SMMC 7.70.130(b)).

The radio frequency emissions report shall:

1. Be specific for the application site; no "generic" emissions reports shall be accepted.
2. Be sealed and signed by a qualified, California licensed electrical professional engineer;
3. Certify and demonstrate that the proposed facility will comply with applicable federal radio frequency exposure standards and exposure limits regarding uncontrolled general population exposure;
4. Include the makes, model numbers, actual frequencies, and power levels (in watts of effective radiated power, or W ERP) for all existing and proposed antennas at the site;
5. Provide color-coded exhibits that show the location and orientation of the transmitting antennas, nearby buildings and structures, and boundaries of:
 - a. Areas with radio frequency electromagnetic energy exposures in excess of the uncontrolled/general population limit (as that term is defined by the FCC) at the plane at which the antenna is transmitting; and
 - b. Areas with radio frequency electromagnetic energy exposures in excess of the uncontrolled/general population limit (as that term is defined by the FCC) at ground-level elevation.

Additionally, all applications for personal wireless service facilities are required to submit a completed "Optional Checklist for Local Government To Determine Whether a Facility is Categorically Excluded" contained in Appendix A of the FCC's "Local Government Official's Guide to Transmitting Antenna RF Emission Safety" to determine whether the proposed facility will be "categorically excluded" as that term is used by the FCC. This form can be found online at http://wireless.fcc.gov/siting/FCC_LSGAC_RF_Guide.pdf.

CHAPTER 9 PHOTOSIMULATIONS

As part of any Wireless Facility Permit or 6409(a) Permit application filed with the City, the applicant shall furnish a minimum of two photosimulations of the proposed facility. The photosimulations shall be provided at two different angles and comply with the following requirements:

1. Provide an existing image of the project location adjacent to the photosimulation to demonstrate a “before and after” of the project location.
2. Be rendered in full color.
3. Be high quality. Grainy, pixelated, or otherwise low-quality photosimulations will not be approved.

CHAPTER 10

CONSTRUCTION DOCUMENT REQUIREMENTS

10.1 INTENT AND APPLICABILITY

The intent of this section is to establish requirements to ensure that the City is provided with construction documents that fully detail the proposed work related to a personal wireless service facility; provide sufficient context of the built and natural environment surrounding the work location; ensure protection of City assets (e.g., street trees and utilities); and safeguard public health, safety, and welfare. **Given the number of ways that construction documents are prepared, the City may modify the requirements set forth below to meet the overall intent of this section.**

These requirements apply to all construction documents submitted to the City as part of a Wireless Facility Permit or 6409(a) Permit application.

10.2 GENERAL

Construction documents shall bear the following note regarding code compliance in addition to any other code compliance information:

All work and materials shall be performed and installed in accordance with the latest editions and supplements of the following codes as adopted by the City of Santa Monica. Nothing in these plans is to be construed to permit work not conforming to these codes.

1. *California General Order 95*
2. *Standard Specifications for Public Works Construction (Greenbook)*
3. *Standard Plans for Public Works Construction (SPPWC)*
4. *2019 California Building Standards Code (Cal. Code Regs., Title 24)*
5. *The Caltrans standard plans for traffic striping and markings*
6. *The California Manual of Uniform Traffic Control Devices*
7. *2010 ADA Standards for Accessible Design*
8. *Santa Monica Municipal Code*

Do not refer to codes that have not been adopted by the State of California or City of Santa Monica.

Note: For excavation being proposed in the public right of way, ensure that the excavation being proposed on the site plan follows 7.06.330 Excavation requirements, especially subsection (b) for Excavation Under Sidewalks. Except for service connections, no excavation shall be made under the sidewalk or parkway between the curb line and a distance four feet from the curb line, as measured toward the property line or under any alley or court within three feet of either side of the centerline.

10.3 AMERICANS WITH DISABILITIES ACT AND LOCAL ACCESSIBILITY REQUIREMENTS

In no event may a personal wireless service facility or related work violate Americans with Disabilities Act (ADA) requirements. Applicants shall fully demonstrate ADA compliance on the project plans (site plan, elevation plan, etc.) in accordance with the 2010 ADA Standards for Accessible Design and any locally adopted policies pertaining to required ADA access and clearances.

10.4 FINAL POWER DESIGN REQUIRED

The final power design for the wireless facility shall be included with the construction documents and reflected on the site/elevation plans. Deferral of the final power design or inclusion of a power design as “for reference only” is not permitted. The applicant shall include all relevant final power design drawings from Southern California Edison or the relevant power provider as part of the construction documents.

10.5 FUTURE WORK

The permitting of “future” work in construction documents is prohibited. All future work shall be permitted separately when the work is actually proposed. For example, proposing the installation of future equipment not intended to be installed when the construction documents are permitted for construction is prohibited. If shown on the plans, future work shall be notated as “Under Separate Permit.”

10.6 REQUIRED NOTES AND DETAILS

10.6.1 General

Construction documents shall include the following:

- 1. Work in Public Right-of-Way General Notes
- 2. City of Santa Monica Contact List

10.6.2 Work That Proposes Excavation

Construction documents that propose any type of excavation work in the public right-of-way shall include the following:

- 1. Excavation Work in Public Right-of-Way General Notes
- 2. City of Santa Monica Standard Detail SM 15 Typical Utility Trench Detail
- 3. Any other City of Santa Monica Standard Details that are relevant to the work proposed. For example, trenching through a curb and gutter shall require City of Santa Monica Standard Detail SM 6 Standard Curb and Gutter Construction.

The items above can be found on the City’s Engineering website: www.santamonica.gov.

Note: In the absence of a City standard, use the Greenbook and SPPWC.

10.7 WORK NEAR CITY TREES

A Tree Protection Zone (TPZ) is the designated area that encompasses an entire tree plus an additional radial distance of ten feet beyond the edge of the canopy. Construction documents that propose work within the TPZ shall conspicuously bear the following note on the title sheet:

Work proposed in these plans is within a Tree Protection Zone. Contact the City of Santa Monica Public Landscape Division at (310) 458-8974 and Phil McIvor, Senior Public Works Inspector, at (424) 744-0825 for additional tree protection requirements. No work shall proceed without approval from the City and implementation of any required tree protection elements.

10.8 PROFESSIONAL ENGINEER CERTIFICATION

Note: The requirements below are summarized from California Business and Professions Code (BPC) section 6735. In the event of conflict between the requirements of the BPC and these Standards, the BPC shall prevail.

All civil engineering construction document sheets that are permitted or that are to be released for construction shall bear the stamp/seal, signature, and date of signing and sealing/stamping of the civil engineer in responsible charge. Civil engineering specifications, calculations, and reports that have multiple pages shall bear the signature, seal/stamp, and date of signing and sealing/stamping of the civil engineer in responsible charge on the title sheet, cover sheet, or signature sheet, at a minimum.

If the applicant submits an application with documents requiring professional engineer certification, and such certification is missing or the documents contain interim notations such as “for plan check only” or “for review only,” the City will review the application, but deem such submission as incomplete (and therefore count as a round of review). **Failure to submit properly sealed documents for which a professional engineer certification is required shall be a cause of denial of an application.**

10.9 FORM, SCALE, AND DIMENSIONS

Construction documents shall be submitted to the City in the form identified below.

1. During plan check, plans shall be plotted on 11” x 17” sheets. The sheets shall be downsized from full-size 24” x 36” sheets and plotted at half scale (e.g., 24” x 36” scale: 1 in = 10 ft, 11” x 17” scale: 1 in = 20 ft)
2. As built plans shall be submitted as a digital (i.e., not scanned) PDF file in full 24” x 36” size.
3. A note providing the 11”x17” plot scale and 24”x26” scale shall be conspicuously printed on the plans.
4. Site plan(s) and elevation plan(s) shall be scaled.
5. The title sheet shall include two 4.5” W x 3” H or one 4.5” W x 6” H clear space for City approval stamps.

10.10 GENERAL CONTENT

Construction documents shall include the following information:

1. Legend, if necessary
2. Nearest legal address adjacent to the proposed installation. Use SM MAP (<https://www.santamonica.gov/topic-explainers/maps-and-gis>), the City’s official mapping platform, to determine nearest legal address. It may differ from the addresses provided in mapping services like Google Maps.
3. Site name/ID
4. Project description that sufficiently and accurately describes the work proposed in the construction documents
5. Latitude and longitude coordinates of the wireless facility (NAD83 datum)
6. Vicinity map
7. ADA compliance information to ensure the proposed work will comply with applicable ADA requirements.

10.11 SITE AND ELEVATION PLANS

A site plan and elevation shall be included that shows the project location, depicts the proposed work, and provides sufficient context of the built and natural environment surrounding the project location. Required elements to be shown on the plans may include:

1. Improvements within the public right-of-way, including, but not limited to:
 - a. Streets
 - b. Sidewalks
 - c. Curbs
 - d. Parkways (include symbology to denote as landscape or hardscape)
 - e. Trees
 - f. Parking meters
 - g. Street furniture (e.g., bus stops, newsracks, streetlights)
 - h. ADA ramps and features
 - i. Driveways
 - j. Medians
 - k. Substructure elements (e.g., pull boxes, gas/water/electrical utilities)
 - l. Bus pads
2. All structures, equipment, conduits related to the personal wireless service facility (existing and proposed), including, but not limited to:
 - a. Pull boxes
 - b. Power and fiber points of connection (must be notated on plans as "Power POC" and "Fiber POC," respectively)
 - c. Conduits
 - d. Antenna
 - i. Directional antennas shall be accompanied by a conspicuously shown azimuth with an arrow pointing in the direction of the azimuth.
 - e. Radios
 - f. Concealment elements
3. Proposed conduits, pullboxes, etc. are routed in a logical fashion and consistent with any final power design documents.
4. Right-of-way boundaries
5. Parcel property lines; addresses and APNs included on parcels in the immediately vicinity to the proposed project location.
6. Dimensioned locations of all equipment relative to ground level, including, but not limited to:
 - a. Concealment elements
 - b. FCC radio frequency signage as prescribed the by electromagnetic energy report
 - c. Antenna(s)
 - d. Radio(s)
 - e. Foundation
 - f. All other equipment
7. Existing equipment/structures in the public right-of-way to be replaced or otherwise modified shall be appropriately notated (e.g., Existing wooden utility pole to be re-set to be straight.)
8. For excavations proposed at major intersections:
 - a. Provide a profile plan of your proposed conduit run and the existing utilities in the area, showing clearances will be met per City of Santa Monica standards.
 - b. Maintain 1ft vertical clearance and 2ft horizontal clearance from all utilities.

Site plans and elevations plans shall be consistent with one another. An enlarged site plan is also encouraged to detail the scope of work.

10.12 EQUIPMENT AND SIGNAGE DETAILS

Equipment and signage details shall be included for all equipment and signage proposed to be used in conjunction with the wireless facility. Equipment and signage details need not be scaled but shall be fully dimensioned to ascertain the size and volume of all equipment. Details shall include the full specifications of the equipment. Mounting/attachment details shall also be included as part of the equipment details.

10.13 RADIO FREQUENCY REPORT RECOMMENDATIONS AND 24-HOUR CONTACT SIGNAGE

The construction documents shall incorporate the recommendations of the radio frequency electromagnetic energy report, including appropriate signage. If not already provided by the recommendations of the radio frequency electromagnetic energy report, the construction documents shall include signage bearing the site ID and a 24-hour telephone number for any maintenance, emergency, or other operations issues pertaining to the personal wireless service facility.

Details of all signage shall be included in the construction documents in accordance with the "Equipment and Signage Details" section.

10.14 ADDITIONAL REQUIREMENTS FOR REPLACEMENT OF CITY STREETLIGHTS

10.14.1 Applicability

Construction documents that propose the replacement of an existing streetlight with a new streetlight shall include the additional information described in this section. The requirements in this section are intended to supplement the requirements in Chapter 7 of these Standards. In the event of conflict, the more stringent requirement shall prevail.

10.14.2 Required Notes

Include the following notes in a conspicuous location:

1. Contractor shall coordinate with the Public Works Inspector to salvage the existing streetlight pole to be removed and shall deliver it to an authorized location within the City limits at the direction of the Public Works Inspector. In the event that the Public Works Inspector determines the pole cannot be salvaged, the contractor shall dispose of the pole. The City shall not bear any cost for disposal or salvage of the streetlight pole.
2. Contractor shall fully remove existing streetlight foundation.
3. Contractor shall relocate signage on existing pole to new pole.
4. Contractor shall furnish and install all necessary conduit, pull boxes, and other ancillary equipment necessary to connect replacement streetlight to City's streetlight network and provide luminaire power.
5. All existing streetlight infrastructure adjacent to new streetlight installations shall be upgraded to meet City standards including, but not limited to, pull boxes, conduits/sweeps, and conductors.
6. Contractors working on or around high-voltage infrastructure must be Qualified Electrical Workers and must be certified through NFPA 70E, "Standard for Electrical Safety in the Workplace" training (4 hours).

7. All high-voltage pull boxes serving power to streetlights shall read "HIGH VOLTAGE" or "STREET LIGHTING, HIGH VOLTAGE" and letters shall be block letters at least ½" in height. Pull boxes shall be securely fastened and set in place. Replacement pull box lids on high-voltage circuits shall be N30 Christy (No.5 Caltrans equivalent type) reinforced concrete pull box and cover. . Coordinate all pull box upgrades with the City Electrical Crew Leader (424) 299-0392 before any installation takes place.
8. All low voltage pull boxes serving power to streetlight shall read "STREET LIGHTING" and letters shall be block letters at least ½" in height. Pull boxes shall be securely fastened and set in place. Replacement pull box lids on low voltage circuits (120 V) shall be composite or concrete fiberlyte type lids. Coordinate all pull box upgrades with the City Electrical Crew Leader (424) 299-0392 before any installation takes place.
9. Deenergizing, energizing and cutover operations on streetlighting circuitry, especially high-voltage circuits, shall be coordinated with the City Electrical Crew Leader (424) 299-0392 at all applicable phases of work. Work requirements on the high-voltage system shall be conveyed to the contractor during the pre-construction meeting by the City Electrical Crew Leader and signed off by the City on the Construction Work Plan (see section 10.14.4). Contractor shall not cut, splice, remove, connect or re-connect any high-voltage wiring until all proper measures are in place and satisfactory to the City Electrical Crew Leader.
10. All streetlighting conduits on 120 V circuits shall be 2" diameter schedule 80 PVC conduit.
11. All streetlighting conduits on high-voltage(5000 V) circuits shall be 2" diameter galvanized rigid conduit.
12. On plans showing streetlighting improvements on high-voltage circuits, please add this note:

CONTRACTOR TO SUBMIT A CONSTRUCTION WORK PLAN (SEE SECTION 10.14.4) FOR CITY APPROVAL AND COORDINATE WITH THE FOLLOWING CITY PERSONEL WHEN WORKING ON HIGH VOLTAGE (5000 V) LUMINAIRE POWER. THIS SHALL TAKE PLACE **BEFORE** ANY WORK TAKES PLACE ON THE CIRCUIT.

ALLEN ISSAGHOLIAN
STREET SERVICES SUPERVISOR
(310) 877-3313

AARON MEZA
ELECTRIC CREW LEADER
(424)299-0392

10.14.3 Plans

Show the following elements on the plans:

1. Dimension centerline to centerline offset from existing to proposed streetlight location. If streetlight is proposed to be removed and replaced in same location, include a notation to indicate such.
 - a. Maximum: 5 feet
2. Dimension from face of curb to edge of replacement streetlight pole.
 - a. Minimum: 18 inches.
3. Dimension from face of curb to center of replacement streetlight pole.
 - a. Maximum: 30 inches
4. For luminaire power, show and call out new conduit run from the streetlight pull box to streetlight [labeled as "SL"] with the following note:
 - a. *New CSM power trench with (1) 2" dia sch 80 conduit for luminaire. [120 V]*

- b. *New CSM power trench with (1) 2" dia galvanized rigid conduit for luminaire. [5000 V]. Call out all high-voltage conduits on the plan.*
- 5. Add the following notes in appropriate location on elevation plan:
 - a. Existing streetlight pole and type (concrete, steel, etc.) to be removed and replaced.
 - b. Existing foundation to be removed and replaced.
 - c. Existing signage on streetlight pole to be removed and replaced.
 - d. Existing pull boxes to be upgraded (as required per Section 10.14.2)
- 6. The existing luminaire type (HPS or LED) is noted on the plans. If the existing luminaire is HPS, provide the wattage.
 - a. HPS luminaires on 120 V streetlight circuits must be upgraded to a Leotek GreenCobra LED. Use the the City of Los Angeles' LED fixtures list to determine a Leotek GreenCobra LED luminaire that is equivalent to the existing HPS luminaire. ([Click here to go to BSL's website](#), then click "LED Fixtures – Currently Utilized for Citywide Cobrahead Replacement Program" under the Useful Links section).
- 7. The streetlight proposed reflects the City's current streetlight standard in effect at that location.

10.14.4 Construction Work Plan (Required for Work on High Voltage Circuits).

1. CONTRACTOR TO SUBMIT A CONSTRUCTION WORK PLAN FOR CITY APPROVAL AND COORDINATE WITH THE FOLLOWING CITY PERSONELL WHEN WORKING ON HIGH VOLTAGE (5000 V) LUMINAIRE POWER. THIS SHALL TAKE PLACE **BEFORE** ANY WORK TAKES PLACE ON THE CIRCUIT.
2. Construction Work Plan to be submitted to the City before the preconstruction meeting via email.
3. Construction Work Plan to include:
 - a. Scope of work – description and schedule.
 - b. Prerequisite activities.
 - c. Permit documents.
 - d. Design drawings (approved), shop drawings, submittals; traffic control plans.
 - e. Work process – step by step list of how the work will be executed in the field.
For example:
 - i. Pre planning action plan - Mark out all dig alert limits – XYZ staff;
 - ii. Field Work Plan; safety orientation, pre-excavation checklist, post signage, set up traffic control per approved plans, pothole,
 - iii. Communication with City prior to working on the high voltage circuit.
 - iv. City to XYZ; Who is performing splice, remove, connect or re-connect of any high-voltage wiring?
 - v. Installation of conduit, foundation pole;
 - vi. Circuit work
 - vii. Restoration work.
 - viii. Demobilize;
 - ix. Final inspection;
 - f. Materials
 - g. Equipment/tools
 - h. Supervision and contract information

- i. Job hazard analyses
- j. Inspection Plan
- k. Training required and copies of certification for NFPA 70E. (Contractors working on or around high-voltage infrastructure must be Qualified Electrical Workers and must be certified through NFPA 70E, "Standard for Electrical Safety in the Workplace" training (4 hours).

10.15 ADDITIONAL REQUIREMENTS FOR NEW STREETLIGHTS

Please consult with the Public Works Department for additional requirements for construction documents proposing a wireless facility on a new streetlight where no streetlight currently exists.

10.16 ADDITIONAL REQUIREMENTS FOR TRAFFIC SIGNALS

10.16.1 Applicability

Construction documents that propose the replacement of an existing streetlight with a new streetlight shall include the additional information described in this section in addition to any information deemed necessary by the City Traffic Engineer and Public Works Department.

10.16.2 Required Notes

Include the following notes in a conspicuous location:

1. No work contained on these plans may commence until an onsite preconstruction meeting has been held with the City Traffic Engineer or designee.
2. Contractor shall coordinate the installation with the City Traffic Engineer or designee during all phases of work.

CHAPTER 11 SITE LOCATION SELECTION AND JUSTIFICATION REQUIREMENTS

11.1 OVERVIEW

The intent of this section is to establish requirements to ensure that the City is provided with adequate information to understand the basis for siting a personal wireless service facility at a particular location, and to assess whether other nearby locations may be more suitable for the wireless service facility.

Given the number of ways that this information can be presented, the City may modify the requirements set forth below if the overall intent of this section is met.

11.2 LEAST INTRUSIVE SITE REQUIRED

Personal wireless service facilities shall be sited in locations that are least intrusive to the surrounding community uses. In general, the City prefers that personal wireless service facilities be sited at intersections, away from residential uses, and at locations that preserve scenic views.

In addition to the proposed location, an applicant must provide a minimum of three (3) nearby alternative locations for the proposed project including at least one location at an intersection or away from residential uses.

All of the locations shall be shown on a street map of the City and bounded by a circle or oval. In the event that an applicant is unable to provide three (3) nearby alternatives locations, the applicant must provide a technically detailed justification for not meeting this City requirement. Given that wireless sites are anticipated to be placed then operated for decades, a higher installation cost is not usually a reason to exclude an alternative that meets the City's siting preferences.

In reviewing the applicant's site location selection and alternatives information provided pursuant to this Chapter, the City will determine which of the siting location is the least intrusive.

CHAPTER 12 DESIGN STANDARDS

12.1 OVERVIEW

The following design standards apply to personal wireless service facilities in the City. City staff are available to meet with wireless carriers and their representatives to discuss these design standards and requests to modify these requirements. The intent of these design standards is to establish objective camouflage and concealment elements for personal wireless service facilities. The Public Works Director may waive or impose additional standards in order to meet the intent of this chapter and if doing so is conducive to the site being the least intrusive, maximally blending with the natural and built environment of the City, and protecting the aesthetic character of the City.

12.2 GENERAL REQUIREMENTS

The following requirements shall apply to all personal wireless service facilities in the public right-of-way:

1. Personal wireless service facilities shall comply with Santa Monica Municipal Code Chapter 4.12 Noise.
2. All facilities shall have subdued colors and non-reflective materials that blend with the materials and colors of the surrounding area and structures to the satisfaction of the City.
3. The personal wireless service facility shall be of the least intrusive design possible and occupy the least amount of space in the right-of-way possible but in no event shall exceed the limits prescribed in these design standards.
4. A facility shall not be located within any portion of the public right-of-way that interferes or may interfere with City and emergency operations, and pedestrian and vehicular access.
5. Vaults and pull boxes shall be installed flush to grade and installed per the applicable requirements as stated in the Standard Specifications for Public Works Construction and the Standard Plans for Public Works Construction.
6. Signage that serves a public/occupational safety function shall be exempt from the design standards.
7. Lighting
 - a. 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 Federal Aviation Administration or other government agency.
 - b. Legally-required lightning arresters and beacons shall be included when calculating the height of facilities.
 - c. Any required lighting shall be shielded to eliminate, to the maximum extent possible, impacts on the surrounding neighborhood.
 - d. Unless otherwise required under FAA or FCC regulations, applicants may install only timed or motion-sensitive light controllers and must install lights so as 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.

12.2.1 Above Ground Meter Facilities

Unless agreed upon as stated below, above ground meter facilities are prohibited. Applicants shall receive power from Southern California Edison under the unmetered Wireless Technology Rate (WTR) scheduled. WTR equipment shall be installed below grade. Pole mounted WTR equipment is prohibited.

If an applicant would prefer to utilize an above ground meter facility, the applicant may elect to enter a voluntary pre-submittal phase with the City to consider the request. The City may, at its discretion, approve a request for an above ground meter facility if the meter facility would serve several personal wireless service facilities and would be compatible to the surrounding community in which it is installed. If an applicant's request is denied or the applicant does not elect to enter a voluntary pre-submittal phase with the City, the applicant shall receive power via a below-grade WTR as described above.

12.3 SOUTHERN CALIFORNIA EDISON STREETLIGHTS

The following design standards shall apply to all personal wireless service facilities on Southern California Edison Streetlights.

1. Facilities shall be installed on an Ameron BP300X09 type pole (height: 29'-3" above grade) as approved for use by Southern California Edison
 - a. The City reserves the final right to determine what streetlight may be used at a proposed location based on the lighting needs of that location. On a case-by-case basis and at the discretion of the City, if another Southern California Edison-approved streetlight pole is more suitable for the proposed installation location, that pole may be permitted.
2. Equipment shall be installed in a pole-top shroud that complies with the following requirements:
 - a. The pole-top shroud shall be of a tubular/cylindrical form factor.
 - b. Maximum height: 66" (measured from the top of the streetlight pole to the top of the shroud)
 - c. Maximum diameter: 12"
 - i. If Southern California Edison requirements dictate a smaller height or diameter requirement, those requirements shall prevail.
 - d. Exception: Upon approval from the City, a cantenna may be exempted from full concealment in a tubular shroud if it still achieves a tubular/cylindrical form factor.
 - e. Stainless steel banding is prohibited. The streetlight pole shall be equipped with top-of-pole mounting bracket to accommodate the personal wireless service facility.
3. Equipment that does not comply with the requirements set forth above shall be installed below grade, with the exception only for antennas.
4. Base shrouds and shrouds mounted to the side of the pole are prohibited.
5. All ventilation on the streetlight structure must be via flush vents. Vents must be designed to maximally blend with the overall streetlight structure.
6. All cabling, wires, and conduit shall be concealed completely within the pole and the concealment shroud. Cabling and wires shall enter/exit the streetlight pole through conduit sweeps within the streetlight footing.



Figure 1: A photosimulation of a Southern California Edison streetlight with a personal wireless service facility located at the southeast corner of 7th St and California Ave. The concealment shroud and cantenna meet the City's design standards. Other components, such as the WTR box, are installed below grade.

12.4 CITY-OWNED STREETLIGHTS

The following design standards shall apply to all personal wireless service facilities on City-owned streetlights.

12.4.1 General Requirements

1. If an existing streetlight is proposed to be replaced with a new streetlight to accommodate the personal wireless service facility, the replacement streetlight shall conform to the City's current adopted streetlight standard for that location.
 - a. When considering the compatibility and suitability of a proposed replacement streetlight to the City's current adopted streetlight standard at that location, the City shall evaluate the proposed replacement streetlight's size, height, color, materials, finishes, style, and quality/durability of construction.
 - b. To confirm if a replacement streetlight is acceptable to the City at a specific project location, applicants may consult with Public Works Department staff prior to submitting an application.
 - c. The base of the replacement streetlight shall be a minimum of 18 inches from the face of the curb.
 - d. The center of the replacement streetlight shall be a maximum of 30 inches from the face of the curb.
 - e. The replacement streetlight shall be offset at the minimum distance technically possible from the existing streetlight.
2. If a new City streetlight is proposed where none currently exists, the new streetlight shall conform to the City's current adopted streetlight standard for that location.
 - a. When considering the compatibility and suitability of a proposed new streetlight to the City's current adopted streetlight standard at that location, the City shall evaluate the proposed new streetlight's size, height, color, materials, finishes, style, and quality/durability of construction.
 - b. To confirm if a new streetlight is acceptable to the City at a specific project location, applicants may consult with Public Works Department staff prior to submitting an application.
 - c. The base of the new streetlight shall be a minimum of 18 inches from the face of the curb.
 - d. The center of the new streetlight shall be a maximum of 30 inches from the face of the curb.
3. All ventilation on the streetlight structure must be via flush vents. Vents must be designed to maximally blend with the overall streetlight structure.
4. All shrouds be colored to match the proposed streetlight pole.
 - a. Shrouds proposed on the concrete marbelite streetlight shall be painted per the approved paint specification [Comptek LT-0006] or equivalent with City review and approval:

Comptek-LT-006,
Anaheim-Alabama Texture Paint
Base Coat: 6S03-GRD04037; Gray
Spatter 1: 6S03-YLD04036-S; Gold
Spatter 2: 6S03-08 Black
Spatter 3: 6S03-10 White
Clear Coat: Marine Grade 6M7-1, Clear Matte

5. All equipment shall be installed in shrouds as permitted herein and below grade

6. **No exposed cable, wires, conduit, etc. of any kind are permitted. All cables, wires, conduits, etc. shall be fully concealed within the shrouds, pole, and below grade.**
7. Streetlight Pull boxes must read "STREET LIGHTING, HIGH VOLTAGE" for all circuitry 600 V or more. Add APWA, Caltrans or equivalent standard detail to the plans. [*PW Green Book 405-1 Pull Boxes*]

12.4.2 Acceptable Configurations

The City has developed standards for the following installation types for personal wireless service facilities installed on City-owned streetlights. The acceptable configurations are summarized in the table below and detailed in the following sections. The City may designate zones and locations in the City where certain installation types are permitted, permitted with conditions, or prohibited.

INSTALLATION TYPE	SUMMARY OF DESIGN STANDARD FOR CITY STREETLIGHT POLES ³
Pole-top, standard³	<i>Permitted</i> Form factor: tubular/cylinder Max dim: 70" (H) ¹ x 12" (dia)
Pole-top, expanded³	<i>Permitted subject to limitations. See details in this chapter.</i> Form factor: tubular/cylinder with up to three (3) protrusions from the tubular/cylindrical body. Max dim: The overall tubular/cylinder form factor shall not exceed 70" (H) ¹ x 16" (dia). The three (3) permitted protrusions shall fit within a cylinder with a diameter of 21". However, this requirement shall not be construed as to allow an overall max dimension of 21".
Side-of-pole³	<i>Permitted</i> Form factor: no specific form factor, but must create a single, unified body Max dim: 48" (H) x 16" (W) x 12" (D) ² Max quantity: 3, of the same size and mounted at same elevation

¹ Height measured from top of streetlight pole to top of facility

² Depth measured from the pole face to the outer extremity of the shroud (i.e., standoff brackets are included in the depth calculation)

³ This table presents a summary only. For full requirements, consult the rest of this chapter.

Notes:

1. Equipment that does not comply with the requirements set forth above shall be installed below grade, with the exception only for antennas.
2. The pole-top, standard and side-of-pole installation types may be combined on a single streetlight pole. The pole-top, expanded installation type may not be combined with any other installation type.

12.4.2.1 Pole-Top, Standard

Facilities mounted to the top of the pole are permitted subject to the following requirements:

1. The facility shall be of a tubular/cylindrical form factor to create a single, unified body. Shrouding may be used to achieve this design standard.
2. Maximum dimensions:
 - a. Height: 70" as measured from the top of the streetlight pole to the top of the facility
 - b. Diameter: 12"
3. Shroud must be bolted to the top of the pole. Stainless steel banding or similar to attach the facility to the pole is prohibited.

12.4.2.2 Pole-top, Expanded

In all instances where technically possible, the pole-top, standard installation type shall be used. The pole-top, expanded installation type shall only be permitted when necessary to satisfy a technical objective for which more compact equipment that would comply with the pole-top, standard installation type is not available on the market.

1. The facility shall be of a tubular/cylindrical form factor to create a single, unified body. Shrouding may be used to achieve this design standard.
2. Up to three (3) protrusions from the tubular/cylindrical form factor are permitted. Each protrusion shall protrude no more than 2.1" horizontally from the tubular/cylindrical form factor. The entire facility, including protrusions, must fit within a cylinder of dimensions 70" (H) x 21" (dia). This requirement shall not be construed as to allow an overall max dimension of 21" (dia).
3. Maximum dimensions:
 - a. Height: 70" as measured from the top of the streetlight pole to the top of the facility
 - b. Diameter: 16", subject to allowances for protrusions (see above)
4. Shroud must be bolted to the top of the pole. Stainless steel banding or similar to attach the facility to the pole is prohibited.

12.4.2.3 Side-of-Pole

Facilities mounted to the side of the pole are permitted subject to the following requirements:

1. A maximum of three (3) pieces of equipment of the same size and design are permitted and must be mounted at the same elevation. When considered individually, each piece of equipment shall create a single, unified body.
2. Maximum height: 48"
3. Maximum width: 16"
4. Maximum depth: 12" (measured from the pole face to the outer extremity of the shroud; the depth of any standoff brackets shall be considered in the calculation of total depth)
5. Equipment shall not be mounted under or within 45 degrees of the vertical projection of the luminaire.



Figure 2: A photosimulation of a City-owned streetlight with a personal wireless service facility located at the northwest corner of 14th St and California Ave. The backpack is mounted on the sidewalk-facing side of the streetlight and the antenna shroud extends down the length of the pole to cover all stainless steel banding. These design components meet the City's design standards. (Note: The color of the shrouds should be a darker gray to match the pole.) Other components, such as the WTR box, are installed below grade.

12.5 TRAFFIC SIGNALS

12.5.1 Eligible Traffic Signal Poles

Personal wireless service facilities are permitted on traffic signal poles that support side mounted traffic signals. Installation of wireless facilities are prohibited on top mounted traffic signals poles and on the mast arm of a traffic signal. The Public Works Department and City Traffic Engineer, in coordination with other City Departments, reserve the right to prohibit the installation of a wireless facility on any type of traffic signal if the wireless facility is reasonably anticipated to interfere with City operations or the public health, welfare, or safety.

All installations on traffic signals shall comply any applicable general design requirement found in section 12.4.1, and specific design configuration requirements for traffic signals are the same as those found in section 12.4.2.3.

Examples of Permitted Traffic Signal Poles



Figure 4: The traffic signal pole shown here supports side mounted traffic signals (below the street name sign). A wireless facility is therefore permitted on this traffic signal pole. Note that installation of a wireless facility on the mast arm of the traffic signal structure is prohibited.



Figure 5: The traffic signal pole shown here supports side mounted traffic signals (below the No U Turn sign). A wireless facility is therefore permitted on this traffic signal pole.



Figure 6: The traffic signal pole shown here supports side mounted traffic signals (at different elevations). A wireless facility is therefore permitted on this traffic signal pole.

Examples of Prohibited Traffic Signal Poles



Figure 7: The traffic signal pole shown here supports a top mounted traffic signal. Installations of wireless facilities are permitted on traffic signals that support side mounted traffic signals. Therefore, installation of a wireless facility on this traffic signal is prohibited.

12.5.2 Design Requirements

The following design standards shall apply to all personal wireless service facilities on traffic signals:

1. All ventilation on the traffic signal structure must be via flush vents. Vents must be designed to maximally blend with the overall traffic signal structure.
2. All shrouds shall be colored to match the traffic signal pole.
3. All equipment shall be installed in shrouds as permitted herein and below grade.
4. All cabling, wires, and conduit shall be concealed completely within the pole and applicable shrouds.
5. The design standards for shrouds mounted to the side of the pole as stated in Section 12.4.4.2 shall also apply to traffic signals with the following additional requirements:
 - a. The side mount shroud shall be mounted above the highest traffic signal head on the streetlight pole and above the mast arm, if any, and below the streetlight luminaire mast arm, if any. In no event shall any part of the wireless facility be above the top of the traffic signal pole.
6. Equipment that does not comply with the requirements set forth above shall be installed below grade, with the exception only for antennas.
7. Relocation of existing signs on a City traffic signal pole to a new location is prohibited.

12.6 WOODEN UTILITY POLES REGULATED BY THE SOUTHERN CALIFORNIA JOINT POLE COMMITTEE

The following design standards shall apply to all personal wireless service facilities on wooden utility poles regulated by the Southern California Joint Pole Committee.

INSTALLATION TYPE	SUMMARY OF DESIGN STANDARD FOR WOODEN UTILITY POLES ³
Pole-top, standard ³	<i>Permitted</i> Form factor: tubular/cylinder Max dim: 70" (H) ¹ x 12" (dia)
Pole-top, expanded ³	<i>Permitted subject to limitations. See details in this chapter.</i> Form factor: tubular/cylinder with up to three (3) protrusions from the tubular/cylindrical body. Max dim: The overall tubular/cylinder form factor shall not exceed 70" (H) ¹ x 16" (dia). The three (3) permitted protrusions shall fit within a cylinder with a diameter of 21". However, this requirement shall not be construed as to allow an overall max dimension of 21".
Side-of-pole, mount ³	<i>Permitted</i> Form factor: no specific form factor, but must create a single, unified body Max dim: 54" (H) x 60" (D) ²

¹ Height measured from top of the wooden utility pole to the top of the facility

² Depth measured from the pole face to the outer extremity of the shroud (i.e., standoff brackets are included in the depth calculation)

³ This table presents a summary only. For full requirements, consult the rest of this chapter.

Notes:

1. Equipment that does not comply with the requirements set forth above shall be installed below grade, with the exception only for antennas.
2. The pole-top, standard and side-of-pole installation types may be combined on a single wooden utility pole. The pole-top, expanded installation type may not be combined with any other installation type.

12.6.1 Pole-Top, Standard

The personal wireless service facility shall be installed on top of the wooden utility pole subject to the following requirements.

1. The wooden utility pole shall be equipped with a top-of-pole mounting bracket to which the personal wireless service facility will be attached. The mounting bracket shall be colored to match the pole.
2. The personal wireless service facility shall be installed in a pole-top shroud. The pole-top shroud shall be of a tubular/cylindrical form factor to create a single, unified body.
 - a. Maximum dimensions:
 - i. Height: 70" as measured from the top of the utility pole to the top of the facility
 - ii. Diameter: 12"
 - b. Shroud must be bolted to the top of the pole via mounting bracket (see #1) above. Stainless steel banding or similar to attach the shroud to the pole is prohibited.
 - c. Cylindrical antennas that extend through the top of the pole-top shroud need not be concealed if there is no exposed wiring and the cylindrical antenna blends appropriately with the shroud to create a single, unified body.
3. Wiring shall be concealed within shrouds and conduit to the maximum extent technically possible.
4. Equipment that does not comply with the requirements set forth above shall be installed below grade, with the exception only for antennas.
5. All wiring and conduit running along the length of the pole shall be colored to match the pole and installed flush to the pole (no riser or equipment stand-off brackets).
 - a. Exception: Stand-offs/risers required in a final power design approved by Southern California Edison shall be exempt from this requirement.

12.6.2 Pole-Top, Expanded

In all instances where technically possible, the pole-top, expanded installation type shall be used. The pole-top, expanded installation type shall only be permitted when necessary to satisfy a technical objective for which more compact equipment that would comply with the pole-top, standard installation type is not available on the market.

1. The facility shall be of a tubular/cylindrical form factor to create a single, unified body. Shrouding may be used to achieve this design standard.
2. Up to three (3) protrusions from the tubular/cylindrical form factor are permitted. Each protrusion shall protrude no more than 2.1" horizontally from the tubular/cylindrical form factor. The entire facility, including protrusions, must fit within a cylinder of dimensions 70" (H) x 21" (dia). This requirement shall not be construed as to allow an overall max dimension of 21" (dia).
3. Maximum dimensions:
 - a. Height: 70" as measured from the top of the wooden utility pole to the top of the facility
 - b. Diameter: 16", subject to allowances for protrusions (see above)
4. Shroud must be bolted to the top of the pole. Stainless steel banding or similar to attach the facility to the pole is prohibited.

12.6.3 Side-of-Pole Mount

The personal wireless service facility shall be installed on the wooden utility pole at the legally permissible location subject to the following requirements.

6. The personal wireless service facility shall be installed in a bracket arm attached to the pole. The bracket arm shall create a single, unified body.
 - a. Maximum projection of bracket arm from pole face: 60"
 - b. Max height: 54"
 - c. Cylindrical antennas that extend through the shroud need not be concealed if there is no exposed wiring and the cylindrical antenna blends appropriately with the shroud to create a single, unified body.
2. The bracket arm shall be perpendicular or parallel to the curb face.
3. Wiring shall be concealed within shrouds and conduit to the maximum extent technically possible.
4. Equipment that does not comply with the requirements set forth above shall be installed below grade, with the exception only for antennas. Equipment deemed to occupy a *de minimus* amount of space on the pole may be permitted to be installed directly (flush) to the pole face upon approval from the City.
5. All wiring and conduit running along the length of the pole shall be colored to match the pole and installed flush to the pole (no riser or equipment stand-off brackets).
 - a. Exception: Stand-offs/risers required in a final power design approved by Southern California Edison shall be exempt from this requirement.



Figure 4: (Left) A photosimulation of a Joint Pole Committee utility pole with a personal wireless service facility located in front of the Appian Way frontage of 1711 Ocean Front Walk. The tubular design of the concealment shroud and antenna meets the City's design standards. Other components, such as the WTR box, are installed below grade. (Right) A photosimulation of a Joint Pole Committee utility pole with a personal wireless service facility located in front of 2320 20th St. The integrated bracket arm meets the City's design standards. Other components, such as the WTR box, are installed below grade.

12.7 STRAND-MOUNT INSTALLATIONS

The following requirements shall apply to all personal wireless service facilities on pole-to-pole communications lines ("strand-mount" installations).

1. All strand-mounted equipment shall be colored to a non-reflective gray color or similar shade.
2. All wiring running along the length of the pole shall be enclosed in appropriate conduit colored to match the pole and installed flush to the pole (no riser or equipment stand-off brackets).

CHAPTER 13 STANDARD CONDITIONS OF APPROVAL

All permits shall be subject to the following conditions of approval, even if said approval is by operation of law, as well as any modification of these conditions or additional conditions of approval deemed necessary by the Public Works Director.

1. Within thirty (30) days of transmittal of this Statement of Official Action, the project applicant shall sign a copy of this determination and return the document to the Public Works Department. Failure to return this Statement of Official Action within thirty (30) days shall constitute grounds for potential revocation of this determination.
2. This approval is issued for the specific design configuration, including camouflage and concealment elements, as described in the Findings section of this Statement of Official Action, as shown in the approved construction documents, and as shown in the approved photosimulations. In the event of a conflict between the Findings, construction documents, and photosimulations, the most restrictive requirement shall govern and be considered part of the camouflage and concealment elements of the site.
3. This approval is for those plans bearing a stamp of approval from the City of Santa Monica dated **[Month] [DD], [YYYY]**, inclusive of any exceptions noted thereon. Permittee shall build in strict compliance to the approved plans. No deviation from the approved plans shall be permitted without authorization from the City of Santa Monica.
4. Permittee shall obtain a Wireless Telecommunications Construction Permit within one hundred eighty (180) days of the date of this **Wireless Facility Permit/6409(a) Permit** or the permit shall automatically become null and void. Permittee shall provide the following information of the contractor performing the work prior to obtaining a Wireless Telecommunications Construction Permit:
 - a. Point of contact, company, address, phone number, email
 - b. California Contractor State License Board number
 - c. Santa Monica business license number
 - d. Certificate of insurance acceptable to the City's Risk Manager (see Exhibit A of the Public Right-of-Way Personal Wireless Service Facility Standards and Regulations (Standards) for insurance requirements)

All licenses and certificates of insurance shall be valid through the duration of the Wireless Telecommunications Construction Permit.

5. Permittee shall comply with all Wireless Telecommunications Construction Permit inspection procedures established by the Public Works Department.
6. Permittee shall not connect the personal wireless service facility approved in this **Wireless Facility Permit/6409(a) Permit** to a personal wireless service network (e.g., a wireless carrier's network) until receiving final inspection approval on the related Wireless Telecommunications Construction Permit from the Public Works Department.
7. Except in the case of emergencies, work, including maintenance, may only be performed on the personal wireless facility during the days and times stated below:

Monday to Friday	8 AM to 6 PM
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Saturday	9 AM to 5 PM
Sunday and Holidays	No Work Permitted

NOTE: If work requires a Temporary Traffic Control Plan that prescribes more restrictive hours than those stated above, the more restrictive hours shall prevail.

8. The permittee shall submit as-built drawings within (90) days after installation of the facility. As-built drawings shall be in an electronic format acceptable to the City.
9. The permittee shall submit and maintain current at all times basic contact and site information on a form to be supplied by the City. The permittee shall notify the City of any changes to the information submitted within thirty (30) days of any change, including change of the name or legal status of the owner or operator.
10. The permittee shall notify the City in writing at least ninety (90) days prior to any transfer or assignment of the permit. The written notice required in this section must include: (1) the transferee's legal name; (2) the transferee's full contact information, including a primary contact person, mailing address, telephone number and email address; and (3) a statement signed by the transferee that the transferee shall accept all permit terms and conditions. The Public Works Director may require the transferor and/or the transferee to submit any materials or documentation necessary to determine that the proposed transfer complies with the existing permit and all its conditions of approval, if any. Such materials or documentation may include, but shall not be limited to: federal, state and/or local approvals, licenses, certificates or franchise agreements; statements; photographs; site plans and/or as-built drawings; and/or an analysis by a qualified radio frequency engineer demonstrating compliance with all applicable regulations and standards of the FCC.
11. At all times, all required notices and/or signs shall be posted on the site as required by the Federal Communications Commission. The location and dimensions of a sign bearing the emergency contact name and telephone number shall be posted pursuant to the approved plans.
12. If a nearby property owner registers a noise complaint, the City shall forward the same to the permittee. Said complaint shall be reviewed and evaluated by the permittee. The permittee shall have ten (10) business days to file a written response regarding the complaint which shall include any applicable remedial measures. If the City determines the complaint is valid and the applicant has not taken any steps to minimize the noise, the City may hire a consultant to study, examine and evaluate the noise complaint and the permittee shall pay the fee for the consultant if the site is found in violation of Santa Monica Municipal Code Chapter 4.12. The matter shall be reviewed by the Public Works Director. If the Public Works Director determines sound proofing or other sound attenuation measures should be required to bring the project into compliance with the Code, the Public Works Director may impose conditions on the project to achieve said objective.
13. The permittee shall assume full liability for damage or injury caused to any property or person by the facility.
14. The permittee shall repair, at its sole cost and expense, any damage including, but not limited to subsidence, cracking, erosion, collapse, weakening, or loss of lateral support

to City streets, sidewalks, walks, curbs, gutters, trees, parkways, street lights, traffic signals, improvements of any kind or nature, or utility lines and systems, underground utility line and systems, or sewer systems and sewer lines that result from any activities performed in connection with the installation and/or maintenance of a wireless facility in the public right-of-way. The permittee shall restore such areas, structures and systems to the condition in which they existed prior to the installation or maintenance that necessitated the repairs. In the event the permittee fails to complete such repair within thirty (30) days of being notified of the need for such repairs by the City, the City may revoke the permit pursuant to Santa Monica Municipal Code Section 7.70.160.

15. The permittee shall defend, indemnify and hold harmless the City, its agents, officers, officials, employees and volunteers from any and all: (1) damages, liabilities, injuries, losses, costs and expenses, and from any and all claims, demands, law suits, writs and other actions or proceedings (“Claims”) brought against the City or its agents, officers, officials, employees or volunteers to challenge, attack, seek to modify, set aside, void or annul the City’s approval of any permit or regulatory approval authorized by City under Santa Monica Municipal Code Chapter 7.70; and (2) other Claims any kind or form, whether for personal injury, death or property damage, that arise from or in connection with the permittee’s or its agents’, directors’, officers’, employees’, contractors’, subcontractors’, licensees’, or customers’ acts or omissions in connection with the permit or the facility; provided, however, the permittee shall not be required to defend, indemnify, or hold harmless the City, agents, officers, officials, employees and volunteers due to the negligence, gross negligence, or willful misconduct of the City, agents, officers, officials, employees, and volunteers. In the event the City becomes aware any Claims, the City shall use best efforts to promptly notify the permittee and shall reasonably cooperate in the defense. The permittee expressly acknowledges and agrees that the City shall have the right to approve, which approval shall not be unreasonably withheld, the legal counsel providing the City’s defense, and the property owner and/or permittee (as applicable) shall promptly reimburse the City for any costs and expenses directly and necessarily incurred by the City in the course of the defense.
16. Permittee shall pay for and provide a performance bond or other form of security approved by the City Attorney’s Office, which shall be in effect until the facilities are fully and completely removed and the site reasonably returned to its original condition, to cover permittee’s obligations under these conditions of approval and Santa Monica Municipal Code Chapter 7.70. The security instrument coverage shall include, but not be limited to, removal of the facility. The amount of the security instrument shall be calculated by the applicant prior to issuance of a Wireless Telecommunications Construction Permit in an amount rationally related to the obligations covered by the bond and be approved by the City Attorney’s Office. Before issuance of any Wireless Telecommunications Construction Permit, permittee must submit said security instrument.
17. Permittee shall comply with the insurance requirements as set forth in Exhibit A of the Standards for the duration of the permit. Permittee shall furnish proof of insurance prior to issuance of a Wireless Telecommunications Construction Permit.
18. Permittee shall obtain all other required prior permits and other regulatory approvals from other City departments, and state and federal agencies prior to issuance of a Wireless Telecommunications Construction Permit to perform the work. This **Wireless Facility Permit/6409(a) Permit** and any subsequent Wireless Telecommunications

Construction Permit shall be subject to the conditions and/or other requirements in any other required prior permits or other regulatory approvals from other City departments, and state and federal agencies.

19. Within thirty (30) days of commencing operation of the personal wireless service facility approved in this **Wireless Facility Permit/6409(a) Permit**, the permittee shall provide to the Public Works Director a post-installation certification confirming, under penalty of perjury, that the actual emissions from the personal wireless service facility do not exceed that disclosed in the pre-installation report submitted as part of the Wireless Facility Permit application.
20. Within thirty (30) days of the anniversary date of this **Wireless Facility Permit/6409(a) Permit**, the permittee shall provide to the Public Works Director a post-installation certification confirming, under penalty of perjury, that the personal wireless service facility is compliant with FCC regulations concerning radio frequency emissions.
21. Within thirty (30) days of the anniversary date of this **Wireless Facility Permit/6409(a) Permit**, the permittee shall routinely inspect the personal wireless service facility to ensure that it is maintained in good condition, including without limitation ensuring the facilities are reasonably free of: general dirt and grease; chipped, faded, peeling, and cracked paint; rust and corrosion; cracks, dents, and discoloration; missing discolored, or damaged camouflage; graffiti, bills, stickers, advertisements, litter, and debris; broken and misshapen structural parts; and any damage from any cause. Permittee shall obtain all necessary permits and regulatory approvals prior to performing any maintenance activity on the personal wireless service facility.
22. Permittee shall agree in writing that the permittee is aware of, and agrees to abide by, all conditions of approval imposed by the permit prior to permit issuance.

Exhibit A Insurance Requirements

Permittee shall procure and maintain for the duration of the permit insurance against claims for injuries to persons or damages to property that may arise from or in connection with the Permittee's exercise of rights granted by the permit.

Minimum Scope and Limits of Insurance

Coverage shall be at least as broad as:

1. **Commercial General Liability (CGL):** Insurance Services Office Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal and advertising injury, with limits of no less than \$1,000,000 per occurrence.

If the Permittee maintains broader coverage or higher limits than the minimums shown above, the City of Santa Monica requires and shall be entitled to any broader coverage and higher limits maintained by the Permittee. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City of Santa Monica.

Other Insurance Provisions

1. The insurance policies are to contain, or be endorsed to contain, the following provisions:
 - a. **Additional Insured Status:** The City of Santa Monica, its officers, officials, employees and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of Permittee's exercise of rights granted by the permit. CGL coverage can be provided in the form of an endorsement to the Permittee's insurance (CG 20 12 07 98 or CG 20 13 04 13).
 - b. **Primary Coverage:** The Permittee's insurance shall be primary coverage as respects the City of Santa Monica, its officers, officials, employees and volunteers. Any insurance or self-insurance maintained by the City of Santa Monica, its officers, officials, employees or volunteers shall be in excess of the Permittee's insurance and shall not contribute with it.
 - c. **Waiver of Subrogation:** Permittee hereby grants to the City of Santa Monica a waiver of any right of subrogation which any insurer of said Permittee may acquire against the City of Santa Monica by virtue of payment of any loss. Permittee agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the City of Santa Monica has received a waiver of subrogation endorsement from the insurer.

Acceptability of Insurers

Insurance is to be placed with insurers authorized to conduct business in California with a current A.M. Best rating of no less than A:VII, unless otherwise acceptable to the City of Santa Monica. No self-insurance is acceptable. The insurance policy limits shall not limit a party's liability.

Exhibit B Work activities near the EXPO light rail system

Work activities near the EXPO light rail system

The below requirements shall be imposed for all planned activities near the EXPO light rail system.

Within 50 feet

- Any prime contractor planning to work within 50' of the outside edge of the outside train rail must provide Commercial General Liability (CGL) insurance that specifically states that the policy covers, "All work within 50 feet of a rail road". See attached insurance requirement.

Within 10 feet

- Work within 10' of the outside edge of the outside train rail or within 10' in any direction of the overhead contact wires will require a Metro Track Allocation Permit before any activity occurs within the 10' zone. Please refer to the attached Metro Track Allocation Permit Process guidelines and form.
- Infrastructure planned to be installed over or under the Metro rail corridor² will also be required to have a completed easement or license agreement with Metro, as determined by Metro, prior to placing any infrastructure.
- New utility installations parallel to the train tracks within 10' of the outside edge of the outside train rail will not be approved. Note: The remaining public right-of-way along Colorado is very congested with underground utilities and placement of new utilities will typically be difficult.

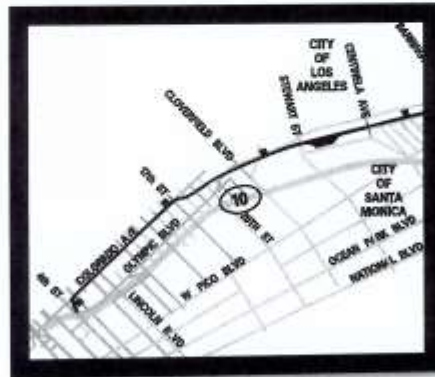


Figure 1 - Expo Light Rail (Phase 2) Route Location Map

² Rail Corridor is defined as that area within the light rail line right of way used for the safe and efficient operation of the rail transit line, including:

- i. The area between the mountable curbs on Colorado Avenue from 5th Street to 17th Street, including said mountable curbs and extending these limits across intersections.
- ii. The area between the two fences separating the MTA and City rights of way, between 17th Street and Centinela Avenue and extending these limits across intersections.



Exhibit C
DEFINING
SUBSTANTIALLY
SIMILAR DESIGN



California Government Code § 65964.3

- Effective as of January 1st 2024, the California governing code will go into effect allowing carriers to upload “batches” for sites with “substantially similar design”. This guide will illustrate what the city defines as similar or identical design.

Definitions

- A "batch" is defined as broadband project application submitted ranging from a minimum of 2 and a maximum of 25 applications
 - New Wireless Facility Permit
 - New 6409(a) Permit
- The city defines "Substantially Similar Broadband Project Sites" as broadband project sites that share commonalities in terms of equipment on structure and general design, but not their location. This encompasses:
 - Pole top, standard
 - Pole top, expanded
 - Side-of-pole
 - Strand mount
 - Traffic signals (side of pole)

Pole Top, Standard

Pole top facilities are mounted to the top of the pole and are permitted subject to the following requirements:

1. The facility shall be of a tubular/cylindrical form factor to create a single, unified body. Shrouding may be used to achieve this design standard.

2. Maximum dimensions:

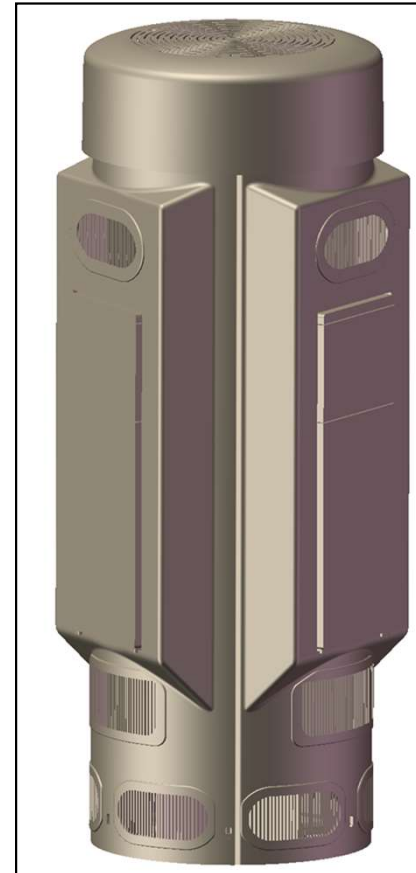
a. Height: 70" as measured from the top of the streetlight or wooden pole to the top of the facility

b. Diameter: 12"



Pole Top, Expanded

1. The pole top expanded facility shall be of a tubular/cylindrical form factor to create a single, unified body, bolted to the top of the pole.
2. Up to three (3) protrusions from the tubular/cylindrical form factor are permitted. Each protrusion shall protrude no more than 2.1" horizontally from the tubular/cylindrical form factor. The entire facility, including protrusions, must fit within a cylinder of dimensions 70" (H) x 21" (dia). This requirement shall not be construed as to allow an overall max dimension of 21" (dia).
3. Maximum dimensions:
 - a. Height: 70" as measured from the top of the streetlight pole to the top of the facility
 - b. Diameter: 16", subject to allowances for protrusions (see above)



Side-Of-Pole

The side of pole facilities mounted to the side of the pole are permitted subject to the following requirements:

1. A maximum of three (3) pieces of equipment of the same size and design are permitted and must be mounted at the same elevation. When considered individually, each piece of equipment shall create a single, unified body.
2. City Streetlight: Maximum height, 48"
Maximum width: 16"
3. Wooden Utility Poles: 54" Maximum Height ,
Maximum width: 60"
4. Maximum depth: 12" (measured from the pole face to the outer extremity of the shroud; the depth of any standoff brackets shall be considered in the calculation of total depth)
5. Equipment shall not be mounted under or within 45 degrees of the vertical projection of the luminaire.



Strand Mount

The strand-mounted small cells facilities are mounted on the strand, typically close to a utility pole. The following requirements shall apply to all personal wireless service facilities on pole-to-pole communications lines ("strand-mount" installations).

1. All strand-mounted equipment shall be colored to a non-reflective gray color or similar shade.
2. All wiring running along the length of the pole shall be enclosed in appropriate conduit colored to match the pole and installed flush to the pole (no riser or equipment stand-off brackets).



Traffic Signal (Side of Pole)

1. The traffic signal side of pole personal wireless service facilities are permitted on traffic signal poles that support side mounted traffic signals.
2. The backpack is mounted on the sidewalk-facing side of the streetlight and the antenna shroud extends down the length of the pole to cover all stainless-steel banding.

