

Standardizing Small Cell Deployment in Los Angeles

A VALMONT TELECOM CASE STUDY

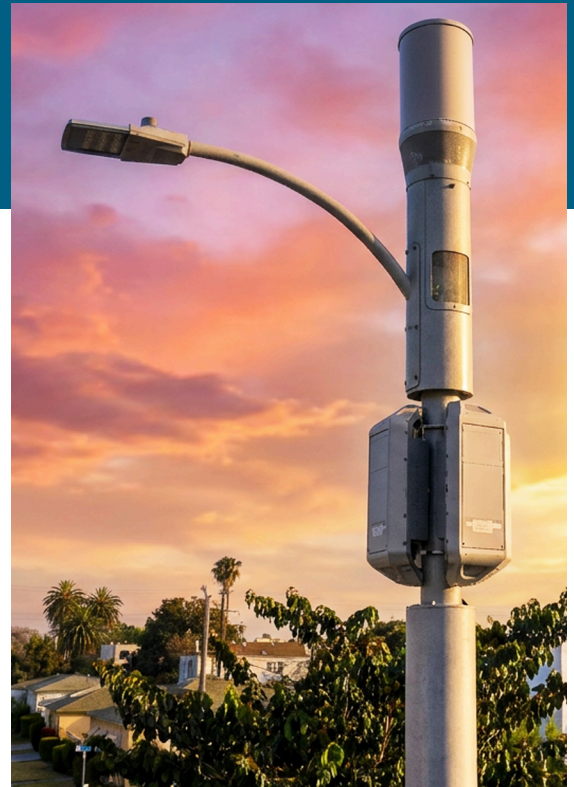


Standardizing Small Cell Deployment in Los Angeles

Since 2019, Valmont Telecom, through its ConcealFab® product line, has partnered with several major wireless carriers, along with the Los Angeles Bureau of Street Lighting (LABSL), to support small cell deployment across Los Angeles.

To help carriers deploy faster in a complex municipal environment, Valmont developed a standardized dual-use pole solution that aligned carrier performance requirements with city design standards. Leveraging ConcealFab®'s expertise in concealment, RF integration and small cell infrastructure, Valmont helped establish a scalable deployment approach that streamlined approvals and accelerated rollout timelines throughout the region.

Today, Valmont remains one of a limited number of approved suppliers for small cell telecom poles within Los Angeles and continues to support ongoing network upgrades and new builds.



PROJECT SNAPSHOT

Location	Los Angeles, CA
Project Start	2019
Status	Ongoing
Application	Small Cell Infrastructure
Environment	Urban, suburban & mixed-use
Solutions	Concealed dual-use telecom poles and 24-inch square structural base
Key Outcome	Faster, standardized small cell deployment in a complex municipal environment

Today, Valmont remains one of a limited number of approved suppliers for small cell telecom poles within Los Angeles.

Ongoing
ACTIVE SINCE 2019

2-4 wk
PEAK PO-TO-DELIVERY

2+
MAJOR WIRELESS CARRIERS

From Challenge to Results

Across Los Angeles, meeting fast-growing wireless demand meant working within a complex, multi-stakeholder environment with high aesthetic and permitting standards. Partnering closely with carriers and the Los Angeles Bureau of Street Lighting, Valmont helped develop a standardized, city-approved model that streamlined approvals and let carriers deploy at scale. The pages that follow trace the work from the initial challenge through the solution and execution to the results it delivered.



01

The Challenge

As wireless demand surged across Los Angeles, carriers needed to deploy small cell infrastructure quickly and at scale to meet growing network capacity requirements.

But deployment in LA meant coordinating across multiple city stakeholders, meeting strict aesthetic standards, and working through installation oversight from the Los Angeles Bureau of Street Lighting (LABSL). Under the traditional model – each carrier pursuing separate pole designs and approvals – timelines stretched and rollouts stalled.

02

The Solution

Valmont Telecom's ConcealFab® product line partnered directly with carriers and LABSL to develop a standardized dual-use telecom pole engineered for the Los Angeles market. By collaborating with the city early in the design process – and understanding what carriers needed to deploy at scale – Valmont created a solution the city could pre-approve and carriers could repeat across thousands of sites.

- Concealed dual-use telecom poles
- 24-inch square structural base designs in select applications
- Standardized configurations for consistent, repeatable deployments
- Aligned to both municipal and carrier requirements

03

Execution

Delivery depended on tight coordination between carriers, city officials, and installation teams across the project lifecycle. Because LABSL managed pole installation, alignment across every stakeholder stayed critical. To keep approvals moving, Valmont built and manufactured prototypes at-risk – and during peak 2020 demand, delivered poles in as little as two to four weeks from purchase order.

- Regular coordination with carriers and city stakeholders
- Rapid response to design and deployment challenges
- At-risk prototype manufacturing to accelerate approvals
- Flexible support through installation and rollout

04

Results

The program established a scalable, pre-approved deployment model that let carriers expand small cell infrastructure across Los Angeles with far less permitting friction.

After a major push in 2021–2022, demand has continued as carriers upgrade and grow their networks. Today, Valmont remains a preferred supplier supporting ongoing small cell deployment for the LABSL program.





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