

Ameron facilitates faster design and permitting processes for Santa Monica 5G pole upgrades

As 4G and 5G capabilities expand across the country, cities and municipalities are working with multiple carriers to ensure their regions can handle the next wave of small cell solutions. Newly installed telecom poles must be engineered and manufactured to exact specifications, and the final product should maintain the city's standards and aesthetics while properly accommodating the telecom equipment. Ideally, the process should move quickly from the carriers' standpoint, but both parties will typically encounter delays due to logistics, engineering processes, and permitting.

Ameron™, **part of NOV**, provides expertise and guidance to engineers and planners in cities across the US where telecom upgrades are being implemented. Applying our knowledge of pole designs and capabilities along with our experience streamlining the permitting process, we've helped numerous cities with small cell design standards while ensuring speed to market for the carrier.

We recently implemented our small cell upgrading process in Santa Monica, California, **where our Ameron** pole experts were able to successfully bridge the stakeholders—the cities and the carriers. Dealing with numerous configurations, multiple heights, and pole types, our **Ameron** team helped the city develop an ideal approach with three different height options and one general design for the poles.

Working with city engineers, our **Ameron experts** refined 36 pole variations down to three standardized pole solutions that could be replicated across multiple carriers. This effective utilization of city resources, maintenance capabilities, and available specs provided a significant cost and time savings for both the carriers and the city. The standard pole design featured additional load capabilities and interior accessibility, allowing the poles to accommodate 4G and 5G upgrades and to further expand functionality for any future requirements.

Case study facts

Location: City of Santa Monica, California

Challenge

Permit requests for telecom poles from carriers continue to grow exponentially. The previous approach to process permit requests was time consuming for both cities and carriers because of the numerous configurations to review before approval.



Solution

Assisted in the creation of a small cell specification using the minimum number of pole types that yields 36 functional final configurations.



Details

- Became an extension of their team; efficient utilization of resources, maintenance, standards/specs.
- Refined the city's design to make their process more simplified and easily replicated across multiple carriers.
- Reduced the city's review and processing time drastically—time and cost saving realized by the carrier and the city.

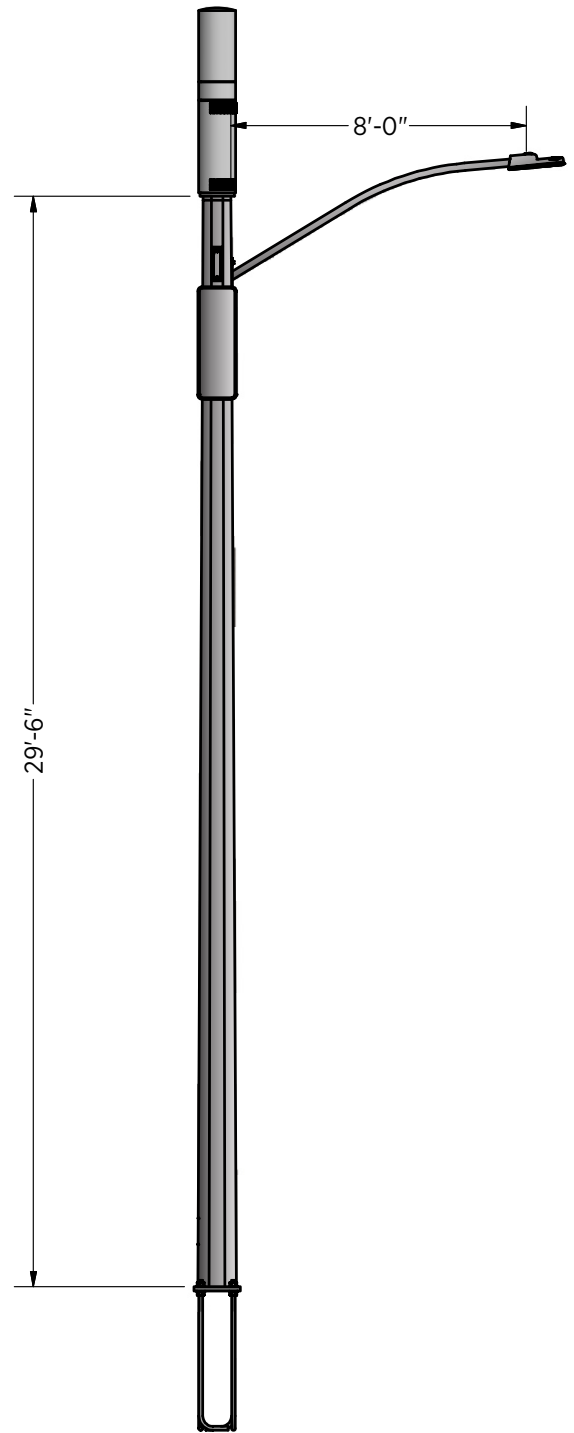


By successfully bridging knowledge gaps between cities and carriers, Ameron was able to help all stakeholders avoid costly delays from logistics, engineering, and permitting challenges.

Case Study

In the past, cities have had to handle a minimal amount of permits per year. As 4G and 5G requirements are rapidly increasing, permit requests from carriers are expected to grow by as much as a hundredfold, making time and resource constraints a challenge for expediency. When cities and carriers have pole experts like Ameron on their side, both the design and permitting processes will be more efficient and reliable.

Our goal throughout the process is simple—avoid delays related to design and permitting while developing a pole that fulfills multiple installation and technical requirements. By knowing both the products and the processes involved, we can remove much of the stress from the city representatives and the carriers. We focus on the complete process for pole upgrades, which varies city to city and requires a customized approach from a technical, logistical, and aesthetic aspect. Further, we offer delivery and unload services, as well as lifecycle support for your poles. Our Ameron experts know how cities work, and we'll be there every step of the way, building success together.



Configured option based on city's specified needs.