

Deploying Hotspot 2.0 at Redondo Beach Pier – Case Study

The Redondo Beach pier, which draws more than 1 million visitors annually, has had near-zero cellular coverage for years. High-rise condominiums between the waterfront and nearby carrier towers block signals before they reach sea level, leaving residents, concertgoers, and emergency responders without reliable service.

Talus Communications (Talus) solved this problem by enabling the Hotspot 2.0, an IEEE standard, on the city's existing Wi-Fi infrastructure, a feature that major US carriers use when cell towers are congested or out of reach. This brought cellular coverage to the waterfront with no new hardware and no capital expenditure from the city. Now, more than 2,000 users per day are staying connected through the network at the city's waterfront pier district, with that number increasing as summer foot traffic builds.

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Mike Cook, Redondo Beach IT Director



"The pier has been a connectivity blind spot for as long as I've been in this role; we knew it was a problem, but we couldn't justify the cost of fixing it the traditional way via a DAS or other means," said Mike Cook, Redondo Beach IT Director. "Carrier offload through the Wi-Fi network gave us a path we hadn't considered. No new infrastructure, no impact on our capital budget, and the coverage data we're seeing three months in has exceeded everything we projected. I am thrilled, and we have already expanded the service at the police department's basement and are considering future sites."

"We've deployed connectivity solutions across dozens of cities, K-12, universities, medical centers, and venues, but Redondo Beach stands out because the impact was immediate and visible," said Steve Rovarino, President at Talus Communications. "When you can walk onto a pier that's been a dead zone for years and watch your phone connect without touching a setting, that's the power of the Hotspot 2.0 in action. We did this by working with what the city already had, without the need for additional or expensive spectrum licensing agreements. That's the model we want to bring everywhere. With limited budgets, the ability to provide cellular service without the expense of complex DAS or pLTE Neutral Host solutions and to use existing infrastructure is a winner."

About Talus Communications Talus is a wireless broadband service provider that supports clients' unique needs, specializing in Wi-Fi, Point-to-Point, Point-to-Multipoint, and private LTE solutions. Talus can assist in the design, architecture, and implementation of your unique network needs. Learn more at: taluscommunications.com

