



# Cel-Fi Smart Signal Booster: Cellular Coverage for Law Enforcement



## Grace, Manager of IT and Business Systems

Grace is the Manager of IT and Business Systems for a US law enforcement agency. This includes all officers who monitor large rural areas within the surrounding counties and the vehicles that they use. Grace must ensure that officers have the necessary technology to do their jobs from various locations—in varying conditions—across a very wide distance.

## BUSINESS NEED

### LAW ENFORCEMENT OFFICERS LACK RELIABLE MEANS OF COMMUNICATING IN REMOTE AND MOUNTAINOUS REGIONS



At any given time, there are several law enforcement officers along a rural and mountainous terrain, 100-mile road north / south and east / west. In addition to patrol, they also conduct vehicle searches and interview potential law violators. They must keep in constant communication so that everyone is aware of one another's whereabouts and activities, including requests for back up. Otherwise, they risk safety threats, and situations requiring additional resources can quickly spin out of control. Because of the rugged terrain surrounding them, the officers are unable to get a reliable cell phone signal from the main office or within their kiosks, making communication between them a challenge. Grace is alerted to the situation, and works to rectify the problem.

## SOLUTION

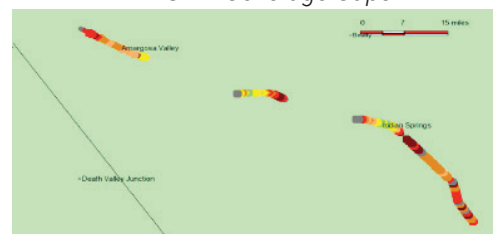
### CEL-FI GO WITHSTANDS THE ELEMENTS TO PROVIDE RELIABLE COVERAGE

Grace learns about the Cel-Fi GO Smart Signal Booster from her agency's systems integrator. Cel-Fi GO is NEMA 4 rated weather resistant, making it ideal for usage by the agency in areas where cellular service is poor. However, Grace is unsure about the product's ability to withstand the strong winds and dusty conditions at one patrol station, but she's willing to give it a try. Each vehicle was already outfitted with communication equipment, but clearly an enhancement was needed as well.

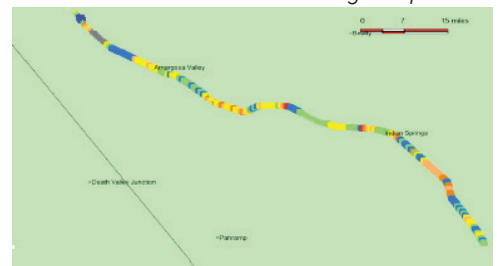
The system integrator arrives on site and installs a directional Yagi antenna as the donor, followed by a directional panel as the server and a Cel-Fi GO X unit in each patrol station across the region. For the vehicles, they were outfitted with Cel-Fi GO M for mobile boosting with mag-mount antennas. Once the systems are turned on, patrol officers at the station and on the road check their phones and notice, for the first time, several bars of signal. No more patrol areas with blacked out coverage.

Grace has since overseen the deployment of Cel-Fi GO at four different patrol stations and several vehicles. Because it is so cost-effective to purchase and install, Grace is reaching out to different other law enforcement teams that may be experiencing coverage issues in an effort to proactively solve their coverage needs.

**BEFORE:** Coverage Gaps



**AFTER:** Almost No Coverage Gaps



# CEL-FI GO M/X

## BEYOND BETTER COVERAGE

- Solves indoor and mobile cellular coverage needs
- Cost-effective to purchase and install
- Achieved reliable coverage for the first time