

Highway 9 Networks for Correctional Facilities

Secure, Scalable Connectivity for Safer, Smarter Operations

Correctional facilities depend on reliable connectivity across housing units, intake, medical, visitation, administration, yards, transport zones, and perimeter areas. Yet many environments still operate on fragmented wireless infrastructure built from Wi-Fi overlays, public carrier coverage, and isolated point solutions.

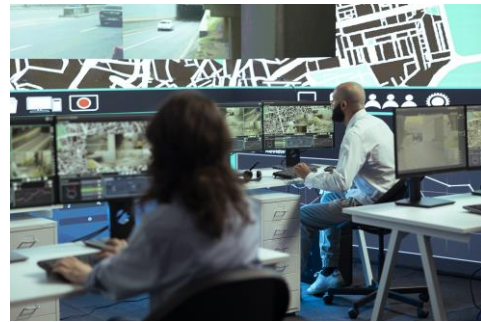
That model does not scale well. It creates dead zones, inconsistent mobility, limited control, and operational risk.

Highway 9 Networks provides a secure, scalable connectivity foundation for correctional environments. The platform supports facility-wide mobility, controlled device access, operational visibility, and application performance across complex indoor and outdoor spaces. Private 5G/LTE is a key enabler in this model, but the value is broader than radio access alone. The outcome is an enterprise-grade mobile network platform designed to support modern correctional operations.

The Challenge

Correctional facilities have demanding wireless requirements:

- Thick walls and multi-building layouts degrade traditional wireless performance
- Staff require reliable voice and data while moving throughout the facility
- Security teams depend on continuous access to video, sensors, and operational systems
- Authorized mobile devices and tablets must operate securely under strict policy controls
- Outdoor areas, transport zones, and perimeter locations need the same level of coverage as indoor spaces
- IT teams need centralized control over users, devices, applications, and service quality



In many facilities, the network has become the limiting factor. Mission-critical workflows depend on connectivity, but the underlying infrastructure is often inconsistent, difficult to manage, and not designed for secure mobility at scale.

Why Legacy Approaches Fall Short

Traditional correctional connectivity models are typically built from multiple disconnected systems. Each may solve part of the problem, but together they create complexity and gaps.

Common limitations include:

- **Wi-Fi-only deployments**
High access point density, roaming issues, dead zones, and inconsistent performance in hard-to-cover areas
- **Public carrier dependence**
Limited indoor penetration, variable coverage, and little operational control
- **Siloed communications and device networks**
Separate systems for staff devices, cameras, sensors, and mobile applications increase overhead
- **Limited policy enforcement**
Difficulty controlling which users, devices, and applications can access which services and where
- **Poor support for mobility**
Staff and authorized devices lose performance as they move between buildings and operational zones

The result is predictable: **more complexity, less visibility, and greater risk to operations.**

Highway 9 Solution

Highway 9 Networks delivers a private mobile cloud approach for correctional facilities. It provides the managed connectivity layer needed to support secure mobility, operational systems, and future digital services across the full facility footprint.

Private 5G/LTE is a core part of this architecture, but it is not the whole story. The Highway 9 Networks platform combines private cellular connectivity with centralized management, policy control, and enterprise integration to create a more complete operational solution.

What this approach delivers

- **Facility-wide coverage** across indoor and outdoor correctional environments
- **Secure mobility** for staff, approved devices, and operational workflows
- **Centralized management** for network operations, access policies, and service delivery
- **Enterprise-grade security** with controlled authentication and device-level access
- **Application-aware connectivity** to support voice, data, video, and sensor traffic

- **Scalable infrastructure** that supports current needs and future modernization

This gives correctional organizations a stronger foundation than a patchwork of Wi-Fi, carrier coverage, and standalone systems.

Some Use Cases

1. Secure Staff Communications

Enable reliable voice and data connectivity for correctional officers, supervisors, and support personnel across the full facility. Staff stay connected as they move through housing units, medical areas, visitation, yards, and perimeter zones.



2. Managed Tablets and Mobile Workflows

Support authorized tablets and handheld devices for reporting, case management, scheduling, inspections, and administrative workflows. Access can be controlled by user, device, role, and location.

3. Video, Sensors, and Security Systems

Provide reliable connectivity for cameras, environmental sensors, alarms, access systems, and other operational technologies. This improves visibility and extends coverage into areas where wired or Wi-Fi approaches are difficult to maintain.

4. Perimeter and Outdoor Operations

Extend secure connectivity to gates, yards, vehicle staging areas, and transport operations. This closes common coverage gaps and supports more consistent communications in outdoor environments.

5. Foundation for Modern Corrections Technology

Support a broader strategy around secure communications, operational intelligence, analytics, and approved digital services. Highway 9 Networks provides the connectivity platform these services require to perform reliably.

Business Value

Improved operational reliability

- More consistent coverage across the facility
- Fewer dead zones and roaming disruptions
- Better support for mission-critical applications

Greater control and visibility

- Centralized oversight of users, devices, and policies
- Improved insight into performance and service quality
- Stronger control over application access and network behavior

Stronger security posture

- Controlled authentication for approved devices
- Segmented access across staff, operations, and authorized services
- Reduced reliance on unmanaged or inconsistent wireless environments

Scalable modernization

- Supports expansion of digital workflows and connected systems
- Reduces dependence on isolated point solutions
- Creates a long-term platform for future facility initiatives

Better support for staff and facility operations

- Reliable mobility for frontline teams
- Improved access to operational tools
- Stronger connectivity foundation for safety, efficiency, and service delivery

Why Highway 9 Networks

Highway 9 Networks is not positioned as a radio vendor alone. It delivers a broader mobile network platform for enterprises that need secure, scalable, on-premises connectivity. In correctional environments, that means a more controlled and reliable foundation for communications, mobility, and operational technology.

Next Step

A correctional facility does not need more disconnected wireless tools. It needs a connectivity foundation built for secure operations at scale.

Highway 9 Networks provides foundation.

Engage Highway 9 Networks to evaluate facility requirements, validate coverage needs, and define a private mobile network strategy for correctional operations.