



Rail Yard Connectivity Case Study

Mission-Critical Wireless Network Connectivity

Better Connectivity

Today's connectivity demands are outpacing the capabilities of traditional wireless networks solutions. CBRS-enabled Private Wireless Networks meet untethering requirements by delivering optimal performance, reliability, security and cost.

KEY METRICS



50% less hardware
than Wi-Fi



99.999% uptime
since deployment



cellocity

Private Wireless Networks Made Better



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CHALLENGES



Ensure reliable and efficient digital communication among field workers, conductors and other stakeholders across expansive rail yards that are often located in remote areas where traditional cellular and Wi-Fi networks are unable to deliver 100% uptime and sufficient data throughput.

SOLUTIONS



The CBRS-enabled Private Wireless Network provides coverage for corporate iPads that run rail yard applications in the initial deployment and is architected to scale to support additional use cases across the entire North American footprint.



**Core
Network**



**RAN
Network**



**Subscriber
Devices**

BENEFITS



1

Open Architecture

Interoperation between best-of-breed equipment.

2

Control and User Plane Separation (CUPS)

EPC hosted in CELLocity data center with on-premise MEC to route and terminate user traffic on client local network.

3

Flexible Business Models

Customer owned and CELLocity operated.

4

Future Ready

Supports all CBRS devices, wired devices and networked devices; plus upgrade path from LTE to 5G and beyond.