



Statewide Interoperable Radio Network (SIRN 20/20)

Reliable voice communications is the lifeline for the public safety community in North Dakota. Statewide studies and surveys showed many shortcomings with the current systems. Critical issues identified in these studies included:

- Coverage that does not meet the requirements of the community
- Interoperability challenges that limit communications between jurisdictions and between disciplines
- End of life (EOL) infrastructure impacting nearly 40% of existing solutions
- Dozens of fragmented, disparate radio systems across North Dakota
- Lack of features and functionality required by the public safety community

These issues greatly impact the safety of the public safety community and their ability to serve and protect the citizens of North Dakota.

A competitive RFP process was held with release of the RFP in November of 2017 and an intent to award to Motorola Solutions issued on January 10, 2019.

System Overview:

- A shared infrastructure that can be utilized by all public safety officials
- Solution built upon 800 MHz Project 25 advanced technology - Project 25 is the national standard for public safety communications
- Improved Coverage – Guaranteed statewide mobile and portable coverage
- Replaces end of life equipment
- Provides service for existing PSAP EOL consoles during transition
- Integration with LTE and Wi-Fi technologies
- Simplified operations with automatic roaming across North Dakota
- Advantageous pricing on radios
- Long term system sustainability with 25 years of guaranteed system support

Capital Outlay includes:

- Public Safety Answering Points
- Network
- Subscriber Devices

Costs:

Capital Expenditures

- Approximately \$206M total cost to Motorola
 - Core system infrastructure and towers - \$106M
 - Subscriber Devices – Approximately \$100M*
- Approximately \$1.1M in backhaul construction

* The subscriber device counts are estimated based on the Televate study.

Operational Expenditures – Varies from \$5M to \$10M per year.