# BROADBANDUSA
## CONNECTING AMERICA'S COMMUNITIES

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| **Organization:** | **Adams County Communications Center, Inc. (ADCOM)** |
| **Project Name:** | **ADCOM 911 – DIA Regional Broadband Network** |
| **Project Type:** | **Comprehensive Community Infrastructure / Public Safety** |
| **State:** | **Colorado** |
| **Federal Award:** | **$12,137,422** |

## ABOUT THE PROJECT

To benefit public safety and first responders in a 1,200 square mile area that includes Adams County and the Denver International Airport, which is the largest airport by size in the United States, the **Adams County Communications Center (ADCOM)** aims to deploy a 700 MHz interoperable wireless broadband network for use by the approximately 2,000 first responders from agencies operating within the Adams County and airport service areas. The project proposes to interconnect public safety answering points (PSAPs), municipal governments, and school districts in Adams and Jefferson Counties, and the cities of Commerce City, Brighton, Thornton, and Northglenn, as well as a large unincorporated region, making the project area a unique mix of urban, suburban, and rural populations. The project's first responders aim to use a variety of end-user devices to access the network for a wide range of data needs including HAZMAT database query and records access, criminal checks, access to the public Internet, airport perimeter security, emergency runway clearance, Automatic Vehicle Location, and video- based applications.

ADCOM 911 also proposes to:

- Serve as a pilot demonstration project for national implementation of 700 MHz interoperable public safety wireless broadband networks as well as advanced interoperability options by leveraging the Public Safety Demonstration Network currently being developed by NTIA and the National Institute of Standards and Technology in neighboring Boulder, Colorado. The networks' proximity to each other may provide additional methods of testing interoperability that could enhance the effectiveness of all 700 MHz public safety projects.

- Provide wireless speeds between 2-8 Mbps for downlink and 1-4 Mbps for uplink to all mobile public safety users, with 10 Gbps speeds at each of the network's fiber aggregation points.

- Leverage an existing 14-tower network, constructing antenna attachments to 17 buildings for enhanced network capabilities.

## ORGANIZATION'S HISTORY

ADCOM 911 is a multi-jurisdictional public safety communications center that provides voice and data services to five law enforcement agencies and ten fire/EMS agencies in the area surrounding the Denver International Airport,which, at 53 square miles, is the largest international airport in the United States and the third largest international airport in the world. ADCOM 911 serves agencies at the municipal and county levels, as well as special districts in both urban and rural areas of greater Denver, with a total population of approximately 440,000.

## PROJECT PARTNERS

- Denver International Airport
- Jefferson County Emergency Communications Authority

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