

# Infrastructure Appropriations for the Equipment Project

## ICN Infrastructure Appropriation Report (FY25)

### Description

The Iowa Communications Network (ICN) received appropriations to proactively replace and upgrade critical cybersecurity infrastructure that had reached its end of functional life. This project provides essential Firewall and Distributed Denial of Service (DDoS) protection at no cost to the Executive branch, while also serving specific agencies within the Judicial and Legislative branches.

### Project Scope & Impact

The appropriation funded a multi-year equipment replacement project designed to secure state data against modern threats.

**1. State Firewall Upgrade** The upgraded system serves as a tightly integrated, multi-layered cyber defense.

- **Access Control:** All traffic entering or leaving state networks is examined to block unauthorized access and ensure it meets security criteria.
- **Data Protection:** The system protects confidential information from unauthorized users and mitigates incidents originating from outside the users' networks.

**2. DDoS Mitigation Platform** The ICN redesigned its DDoS platform to detect and neutralize attacks where malicious traffic overwhelms a network.

- **Detection:** Continuously monitors packet flow and size to identify irregularities.
- **Mitigation:** Filters out attack traffic through ICN infrastructure, allowing legitimate traffic to proceed without interruption.
- **Reporting:** Provides customers with detailed forensics, including attack duration, protocols used, and source IP addresses.

### Progress Update

Significant milestones have been achieved in modernizing the network's security posture:

- **Firewall Migration:** Phase 1 and Phase 2 of the State Firewall replacement are complete. All 14 agencies previously on the legacy firewall have been successfully migrated to separate firewalls, direct Internet with firewalls run by the Department of Management Division of IT (DOM DoIT), or agency-run solutions.
- **Network Redesign:** The DDoS security platform has been moved to the "edge" of the network. This strategic shift leverages network efficiencies, reduces bandwidth utilization, and improves reaction speed to attacks.
- **Inter-Agency Collaboration:** The purchase of optical taps allows ICN to share traffic data with DOM DoIT, enabling further security analysis for the Executive Branch

### Total Estimated Cost of the Projects:

**Table 1. Appropriations and Spending for the Equipment Project**

Revenue Sources	Fiscal Year	Appropriated Amount	Expended	Encumbered	Balance	Percent Complete	Completion Date
09439223	2025	\$1,510,724	\$1,510,724	\$0	\$0	100%	6/30/2025