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PROJECT SUMMARY

Project Title: **Design, Construction, and Integration Services for Radiation Sensors and Communication Equipment in Second Line of Defense Foreign Countries**

Location: **Various Locations in Azerbaijan**

Scope: Provide project management for the site engineering survey and installation of radiation portal monitors (RPMs) and ancillary equipment at multiple border crossing sites in Azerbaijan

Berner Construction, Inc. staff was utilized to support Ahtna Government Services Corporation (AGSC) to perform the project management for the site engineering surveys and installation of RPMs and ancillary equipment at numerous border crossing sites in Azerbaijan. This project was sponsored by U.S. Department of Energy (DOE) and is part of a larger initiative led by DOE to deploy RPM systems at border crossing sites in many parts of the world to screen inbound and outbound cargo, passenger vehicles and pedestrians.

Setting the RPM on its base

The engineering surveys are performed with a team of professionals from DOE, Los Alamos National Laboratory (LANL), and consultants including individuals with civil, electrical, communications and construction expertise. Each site is assessed based on the traffic volume and patterns, nature of cargo, reliability of electrical power, availability of local resources and contractors, and layout of the border crossing. RPMs may be installed to monitor vehicles, rail cars, and pedestrians.

Engineering surveys were completed at 15 different land, sea, and airport border crossings. Areas of risk at each site are reviewed with DOE, AGSC, and contributing many supporting government prior to the decision to install monitors. Monitors were installed at several of these border sites.

Typical vehicle monitor installation

Construction was completed using local contractors and resources as much as possible. Government-furnished equipment (GFE) was provided and transported to the individual construction sites. A construction superintendent and field engineer were employed at each site. The field supervision team provided construction oversight, environmental, health and safety resources and inspections, and quality control.

Once construction is completed, an acceptance test is performed by the DOE and LANL team professionals. Each site requires approximately two to three months for construction and testing.