



# Prairie Quest

## Case Study

### Army West Point Military Academy— OEMA

Prairie Quest, Inc. is an award-winning professional services firm with an impressive past performance history in our federal practice. We are a certified 8(a)/SDB, HUBZone, Woman-Owned company, and we were recently recognized as one of the top Indiana Companies to Watch. With a Midwest base of operation, we have lower administration costs, allowing you to take advantage of our commitment towards customer-centric results and quality without endangering your budget.

We provide innovative, cost-effective solutions in:

- ◆ Project Management
- ◆ Business Process Analysis
- ◆ Advisory and Administrative Services
- ◆ Technology Services



#### Top 5 primary functions of this contract included:

- ◆ Quality and Accuracy Assurance.
- ◆ Data Collection and Verification.
- ◆ Oracle and Linux Database Administration Support.
- ◆ Statistical Analysis and Programming Support.
- ◆ Process/Procedures Management and Improvement .

The Office of Economic and Manpower Analysis (OEMA) provides the Army Staff, Army Secretariat, Army Major Commands, and Combatant Commands with policy relevant, actionable, and timely analysis that spans the range of challenges senior leaders confront in guiding the Army of today while envisioning and creating the Army of tomorrow.

Prairie Quest staffed the research analyst positions for this contract. The research analysts assist in conducting economic and policy analysis. This analysis entails the collection, standardization, and analysis of voluminous transactional electronic data files, point in time database extracts, survey data, and other forms of information from sources within the Army, Department of Defense, and other governmental agencies and academic institutions. Our team members provided research services, including pulling OEMA data from the database; analyzing this data; statistical programming support utilizing SAS and Stata; creating graphs; developing slides; and providing policy recommendations.

Our team members also provided assistance with Oracle Database Administration and Linux System Administration efforts, which included creation and updating of database objects; monitoring database performance and standard database recovery operations; continuous on-call support of production databases and related systems. Prairie Quest was responsible for ensuring data quality and providing integrity management in addition to validating the accuracy of current data acquisition procedures. This includes assisting in validating the accuracy of the pull program; improving the manner in which data elements are stored in the production data sets, validating that the necessary variables are present each month, and validating record counts with sources within the Army, the Department of Defense, other governmental agencies, and academic institutions.

Prairie Quest assists in the compilation of an online data dictionary. This includes consolidating documentation and pull-codes for data files into a single location, utilizing data layouts for file, and creating lookup tables for data files. Our team members assist in implementing a web-based system to display data quality graphics. This includes utilizing a process to display record counts, identify variables present and percentage of missing values contained within a given variable, by file date for each data source.