CRBS

We are the most trusted DBE & SDVOSB consulting firm that both *Clients and Primes* prefer in solving their complex challenges
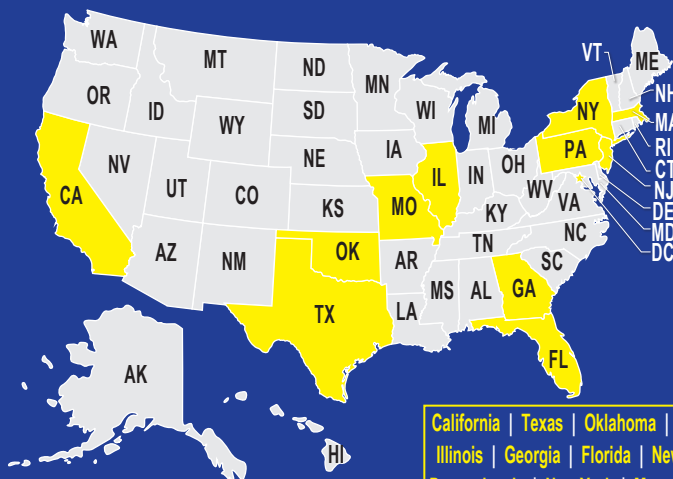
About Us

CodeRed Business Solutions Inc. (CRBS) - A Minority and Service, Disabled Veteran-Owned Company with unique capabilities to support the Public Transit and Public Utility business sectors. We assist organizations in maximizing fleet performance through improved reliability and sound asset management practices. CRBS is currently certified in 11 states(see map). CRBS provides subject matter expertise and detailed transit maintenance analysis services for all transit system modes or equipment at the maintenance procedure and maintenance planning levels.

CRBS was the prime contractor selected by the FTA to perform the original research for Asset Management. This research provided the FTA with a complete hierarchal structure for all physical assets owned and operated by a transit system. CRBS acted as the prime contractor in the development of Asset Management Plans for St Louis Metro and Charlette Area Transit System (CATS). CRBS has also provided asset management support to the Massachusetts Bay Transportation Authority (MBTA), New York's Metropolitan Transit Authority, Long Island Railroad, Chicago CTA, Denver RTD, and Cleveland RTA.

Personnel at CRBS successfully developed and implemented a sustainable Reliability Centered Maintenance (RCM) program at St. Louis Metro that was recognized as an industry best practice on page 48958 of the October 2016 Federal Register (https://www.govinfo.gov/content/pkg/FR-2016-07-26/pdf/2016-16883.pdf). The maintenance effort has led to unparalleled levels of reliability and is credited with significant improvement in both the capital and operating expenses of the transit system. CRBS has supported the implementation of RCM for Cleveland's Healthline Bus Rapid Transit system which has seen reliability improvement approaching 400%.

CRBS DBE Certified States

California | Texas | Oklahoma | Missouri
Illinois | Georgia | Florida | New Jersey
Pennsylvania | New York | Massachusetts

We are proud members of the following organizations:

• The Air Force Association (AFA)
• Conference of Minority Transportation Officials (COMTO)

Our project management skills are unmatched. We will ensure that your operation runs like a well-oiled machine.

We are a SAM registered company:

• Cage Code 4TNY9
• Duns Number: 803130553

Our Services

CodeRed Business Solutions Inc. (CRBS) works diligently and collaboratively with our customers to maximize efficiencies in operations and maintenance. We are 'boots on the ground' with many years of real-life experience managing operations and maintenance of transit systems. We are driven by analysis-based decision making to deliver excellence in service delivery to the public.

At CRBS our mission is to enable our customers to build successful in-house change management capabilities through a holistic approach to support sustainable solutions. The services we provide are proven and sustainable. We're a minority and veteran-owned business certified in nine states across the US.

Asset Management

Moving Ahead for Progress in the 21st Century (MAP-21) requires transportation agencies to develop a Transit Asset Management (TAM) program including a comprehensive Asset Management Policy, Strategy, and Plan.

CRBS provides expertise in developing Asset Management Plans (AMP), asset inventories, condition assessments and captures existing maintenance asset hierarchies to better report your agency's state of good repair for the National Transit Database (NTD) as well as the Federal Transit Administration (FTA's) MAP-21 requirements. CRBS also provides expertise in developing asset management systems, risk based capital prioritizaton plans and complete risk analysis for the organization.

Operations and Maintenance

Understanding the challenges facing the public transit industry, we provide our clients with a critical, experience-based evaluation to consistently operate, maintain and rehabilitate the new and existing transit assets that are essential to deliver safe and reliable transit service to the public.

CRBS' Subject Matter Expert's (SME's) develop reliable and innovative solutions that promote safety, quality and sustainability, while reducing long-term and short-term operating costs and maximize internal efficiencies of operations. We provide our clients with valuable insights into the needs, requirements, and principle operating issues relevant to successful transit systems and facilities.

Engineering

CRBS provides comprehensive consulting services in the engineering field, focusing on transportation engineering, electrical engineering, mechanical engineering and transit planning. We have supported many large and small projects providing FTA and FRA regulatory expertise, and a wide range of vehicle expertise to support transit organizations' transition to electric and Fuel Cell powered vehicles. CRBS also provides transportation analysis, traffic engineering, and transportation planning services.

Cyber Security

CRBS leverages leading-edge technologies to protect organizations against the threat of cyberattacks. We provide a comprehensive security throughout the entire cyber security lifecycle. We support our clients in developing cost-effective and scalable protection from cyber threats. Our customized training programs raise awareness and employee knowledge, creating a consolidated response across your company.

Our Projects

Long Island Railroad East Side Access, *New York City, NY*
A comprehensive review on FTA Opt 54 requirements for revenue service. In order to accomplish LIRR's goal, they assigned CRBS specific tasks. Tasks include facilitation of Rail Activation Plan updates, LIRR departmental SOPs, implementation of Federal Transit Administration practice reviews, administration of the Grand Central Terminal Madison Concourse Vertical Transportation Operating Plan and the creation of Tabletop and Live exercises.

Amtrak Support, *Philadelphia, PA*
To prioritize Amtrak's strategic goals and initiatives, CRBS provided a reliability and maintenance improvement effort that utilized Lean Six Sigma principles. CRBS supports business processing observation, process improvement and implementation.

Port Authority (PATH), *Jersey City, NJ*
This project demonstrates operations, maintenance and corporate process improvements aimed at implementing predictive maintenance outcomes/RCM. We performed a comprehensive evaluation of the PAMS (PATH Asset Management System) to accomplish Port Authority's goals.

FTA Asset Inventory Development and Integration, *St. Louis, MO*
CRBS conducted original research on behalf of the Federal Transit Authority for asset management development. The focus was to determine how agencies could utilize their current data to better manage the overall lifecycle of their critical assets supporting mobility.

MBTA Commuter Rail Inventory Management, *Boston, MA*
A comprehensive review and audit of maintenance work orders and associated parts utilized in the overall maintenance to support commuter railcar operations. This audit was an effort to streamline the entire parts ordering and utilization processes.

MBTA Trapeze Implementation, *Boston, MA*
CRBS' subject matter experts understood and addressed the needs of all levels of the maintenance organization and the ultimate goals of the MBTA team. This permitted the team to support the optimization of the new software in such a way as to provide MBTA with the best possible outcomes. Additionally, CRBS focused on evaluating and reviewing business processes and developing new training requirements due to COVID-19 concerns throughout the transportation industry.

LACMTA Reliability Centered Maintenance, *Los Angeles, CA*
A comprehensive study to review their existing M-3 Data Systems capability to support predictive maintenance/RCM principles. This study also included applying RCM principles to the 13 major railcar systems of LA Metro's Rail fleet. Results of this study supported the implementation of LA Metro's new Infor EAM system.

NYPA ISO 55001 Certification Program, *White Plains, NY*
CRBS supported NYPA by assisting with their ISO 55001 assessment and certification. The assessment was developed by using RCM principles within the maintenance division.

MTA Cyber Security, *New York City, NY*
CRBS is currently a supplier/(subcontractor) providing MTA products and services related to Cyber Security support. We are a Computer Sciences Corp/DXC Technology Services, LLC subcontractor. CRBS' subject matter experts will combine technical capabilities and vigorous risk-management practices to understand the size of MTA's attack surface and then use this awareness to target and prioritize the hardening of critical enterprise systems. In addition to the emphasis on systemic risk and persistent threats, basic practices such as backing up systems, patch management, and network segmentation will also be addressed.