# ZPRO SOLUTIONS

**ZPRO HELPS TO ESTABLISH THE ASSET MANAGEMENT OFFICE FOR CHSRA**

**INDUSTRY: TRANSIT**

CALIFORNIA
High-Speed Rail Authority

## CLIENT BACKGROUND

The California High-Speed Rail Authority (CHSRA) is responsible for planning, designing, building and the operation of the first high-speed rail system in the nation. The Authority will connect the state's mega-regions, contribute to economic development and a cleaner environment, create jobs, and preserve agricultural and protected lands. The California High-Speed Rail Authority is working toward three fundamental objectives:

- Initiate high-speed rail passenger service as soon as possible.
- Make strategic, concurrent transportation investments that will combine over time and provide mobility, economic, and environmental benefits.
- Position ourselves to construct additional segments as funding becomes available.

# PROJECT DESCRIPTION

ZPro Solutions, in working with our prime, has played a key role at CHSRA over the last four years in establishing the Asset Management Office (AMO) for CHSRA. This included assisting with defining the Asset Management Office organization, policies and capabilities. The team assisted in developing Asset Management Guidelines, Asset Management Strategy, and the Strategic Asset Management Plan. The team played a key role in developing all the standard operating procedures for the AMO. ZPro then aided in collecting EAM System software requirements, the development of the EAM System RFP, and the software evaluation ending in the selection of IBM Maximo. ZPro personnel were solely responsible for procurements, installation, design, configuration, and the implementation of IBM Maximo for CHSRA. In conjunction with this Asset Management solution, ZPro aided CHSRA in a better understanding of their data structures and in efficient data collection methods. CHSRA must meet stringent regulatory reporting requirements and the proper staging of data has been a critical effort. ZPro also performed all the end-user training, maintenance, and support of the Maximo system. The ZPro team has implemented an EAM support system that utilizes Maximo service requests with workflows to manage CHSRA Maximo and Asset Management issues. In support of the Maximo system and to ensure that data is properly captured by the CHSRA team and contractors, ZPro provided CHSRA with the correct data formats for Maximo and developed the Asset Information Requirements Manual, Asset Information Standards, Asset Definitions, Location and Asset Hierarchy Structures, and Data Dictionary Documents for the individual asset classes which includes Drainage, Earthworks, Structures, Bridges, and Utilities, including Relocations. The team has also designed and configured Maximo for Bridge Information Submittal and Encroachment Tracking. These applications are used by the CHSRA project team and many others. Contractors and staff have been trained to properly use Maximo and to submit quality information.

# BENEFITS

Implementing IBM Maximo gave CHSRA the ability to create a creditable asset registry. This allowed all Authority departments to understand what assets were in the different phases of construction or in operation. Since most of the initial assets were civil in nature, this allowed the Authority to better report to Federal and State regulatory agencies, which could have resulted in fines and penalties. Maximo was used to track any routine inspections, maintenance, or condition assessments to ensure compliance.

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