

**CASE STUDIES**

REV: JULY 01, 2021

# ZPRO ESTABLISHES ASSET MANAGEMENT DATABASE OFFICE FOR CHSRA

Industry: Transit



## CLIENT BACKGROUND

The California High-Speed Rail Authority (CHSRA) is responsible for planning, designing, building, and operating the first high-speed rail system in the nation. California high-speed rail will connect the mega-regions of the state, 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:

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

“ The understanding of data structures, the accuracy of data, and how to provide full access to needed data have all been critical aspects to all efforts at CHSRA. The Authority turned to ZPro to best understand data collection processes, asset structuring and asset hierarchies required to support data reporting needs, and for the storage and staging of data as it relates to Maximo and other systems of record.

**Bruce Armistead**  
Director of Operations and Maintenance, CHSRA

## PROJECT DESCRIPTION

ZPro Solutions 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 and capability. The team also assisted in the development of the Asset Management Policy, Asset Management Strategy, and Strategic Asset Management Plan. The team played a crucial role in developing all the standard operating procedures for the AMO. This drove the EAM system software requirements, RFP, and software evaluation. The team was responsible for procurement, installation, design, configuration, and implementation of Maximo for CHSRA. The team 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 and workflow to manage CHSRA Maximo and Asset Management issues. The Maximo team has also developed the Asset Information Requirements Manual, Asset Information Standard, Asset Definition and Data Dictionary Documents for the individual asset classes and Data Capture/Load Templates. This is to support the Maximo system and to ensure that data is adequately captured both by the internal team and contractors and then provided to the team in the correct format. The ZPro team is also responsible for the requirements definition, design, configuration, implementation, and support of the current Active Directory and Geographic Information System integrations. ZPro continues to improve processes and technology for CHSRA that make the AMO, CHSRA, outside agencies, and contractors more efficient and informed.

## BENEFITS

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

