Auriga corporation

Quarterly Newsletter

Technology & Engineering Consulting Services

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New Contract Awards

SFMTA – As-Needed Intelligent Transportation Systems Engineering and Related Information Technology Services

San Francisco Municipal Transportation Agency (SFMTA) has awarded three (3) new contracts to Auriga to provide project management and engineering services for Intelligent Transportation Systems (ITS) and Information Technology (IT) for a period of 3 years, with option to extend the contracts for 2 additional years.

Auriga will be responsible for overall project management of the contracts and will serve as the functional lead for Radio and Data Communication Systems. Other major ITS initiatives include train control and passenger information systems. Auriga will also provide IT support services for infrastructure, data and analytics, SharePoint administration and migration, Java and Middleware development, Salesforce development and administration.

City of Anaheim - Professional Electrical Engineering Services

The City of Anaheim has awarded a new three (3) year contract to Auriga to provide Professional Electrical Engineering Services to the City. Auriga previously had similar General Services Agreements with the City of Anaheim for the past 5 years.

New and Ongoing Projects

SFMTA – Technology Solution and Integration (TSI): Project Management Services

Auriga is providing Project Management Services for the Technology Solution and Integration (TSI) Division for SFMTA. The project scope includes the installation of Kronos Timeclocks across SFMTA Transit divisions and enhancing the existing Capital Asset Inventory system. Additional project activities include providing a portal (SharePoint site) for Transit Operators to access their emails/forms through a Single Sign On (SSO) authentication, and building a new server with a modern OS to migrate Operations across the Agency.

SFMTA – Schedule Impact Analysis and Cost Impact Analysis Support Services

Auriga is currently providing schedule and cost impact analysis for the following two SFMTA projects:

- King Substation Upgrade Project
- Third Street Light Rail Project –Mission Bay Loop

Auriga will analyze Change Order Requests, perform an independent analysis using forensic schedule techniques, and make a final recommendation regarding excusable and compensable delays.

Bay Area Rapid Transit District – Communications Based Train Control System

As a subcontractor to Systra, Auriga is currently providing Design Services During Construction (DSDC) for the BART Communications Based Train Control (CBTC) System. This is one of the largest CBTC Project in the United States.

Bay Area Rapid Transit District – 115/34.5 kV; 27/36/45 MVA Transformer Upgrade Project

As a subcontractor to AECOM, Auriga is currently providing design support services during construction for the BART- CWS (Concord Willow Pass Substation) Transformer Upgrade Project. Auriga is currently reviewing the design documents submitted by the Virginia Transformer Company for the BART CWS Transformer. Previously, Auriga prepared design documents for the BART CWS Transformer Replacement Project.

Los Angeles County Metropolitan Transportation Authority (LA Metro)

As a sub-consultant to HDR, Auriga is providing design and engineering services for LA Metro Supplemental Engineering Support Services (SES) for Rail and Transit Projects. One of the projects under this contract is to provide the Final Design Services to build the new multi-story VA Hospital Parking Structure (809+ vehicles). As part of this project, Auriga is providing services in Electrical Power, Lighting and Fire Alarm System Design. Specific items being covered by Auriga include the following:

- Electrical System design for major components such as transformers, circuit breakers, switches, outlets, cables, conduits, and other interconnection equipment.
- Lighting, Photometric and Fire Alarm Plans for each floor.
- Power requirements for all necessary electrical equipment including elevators, EV charging system, gate arm operation, HVAC system, lightings and others.

Sacramento Municipal Utility District – Transformer Design and Engineering Services

As a subcontractor to TRC, Inc. Auriga is currently providing Transformer Design and Engineering Services to SMUD for the following projects:

- Review the design submittals for 224 MVA; 230/73.5/12 kV Transformer
- Factory acceptance test for one Siemens 20 MVA; 70.6/13.8 kV Transformer
- Factory acceptance test for two Pennsylvania Transformer Technology, Inc. (PTTI) 20 MVA; 70.6/13.8 kV Transformer
- Factory acceptance test for PTTI 10/12.5 MVA; 70.6/12.47 kV Transformer

New Employee Profiles

Kim Yun Bae – CBTC / Signals/ Train Control Engineer

Kim Yun Bae joined Auriga in September 2020 as a Signals/Train Control Engineer. Yunbae has thirty years of experience as a rail signals and CBTC engineer with extensive experience in project management and systems engineering for systems design, R&D, construction, and maintenance of railroads and transit systems. Yunbae holds a BS in Electrical Engineering from Ajou University and a MS in Electric and Signal of Rail Engineering from Seoul National University of Science and Technology.

Nick Kardous – Business Administrations and Operations Intern

Nick Kardous joined Auriga in October 2020 as a Business Administrations and Operations Intern. Nick has past experience in soil and structural engineering, merchant banking, and recently working in a UC Berkeley research lab focusing on traffic modeling and autonomous driving. Nick graduated from UC Berkeley's Master of Engineering program in Industrial Engineering & Operations Research. Nick also has a BSE in Environmental Engineering from Duke University.

COVID-19 Update

Auriga's offices are closed due to the COVID-19. Auriga staff are working from home. We are ready to serve our clients remotely.

Happy Holidays

Auriga wishes everyone Happy Holidays and Best Wishes for the New Year. Hope everyone is safe and healthy during these times.