

New and Ongoing Projects

BART GEC – Blocking System Phase II Services

As a sub-contractor to HNTB, Auriga is providing design and engineering services to BART for the Blocking System Phase II Project. The primary goal of the project is to increase reliability of traction power by preventing paralleling of two power sources feeding the 34.5 kV sub transmission system. The project scope of work is to design and implement Blocking Scheme at eighteen (18) BART switching/sectionalizing substations on the C-R-K-M-W Lines.



SFMTA – ATCS SMC Upgrade Project and ATCS Final Cutover Project

Auriga is providing specialized train control system engineering support and oversight services to SFMTA for implementing the following projects as part of the Advanced Train Control System (ATCS) Program: System Management Console (SMC) Upgrade and Final Cutover Projects. The SMC Upgrade project will upgrade the hardware, operating system, and applications for both revenue and training SMCs to a new release and a supported configuration. The centralized train control (CTC) system is currently used to control train movements in the subway via the relay-based control (legacy) system, if there is a failure of the ATCS system. The final cutover will remove the legacy system and replace it with the SMC upgrade.



Caltrain – Microwave Systems Upgrade Project

Auriga is providing engineering services to Caltrain to upgrade the existing Microwave System to support the IP based Advanced Train Control System (ATCS). Caltrain currently utilizes Agency owned digital Microwave System for Rail Operations. The Microwave System provides Radio



Communications Network at the Control Center Facility (CCF) in San Jose and the following Radio Based Station sites: San Carlos HQ, Monument Peak and San Bruno Mountain. The upgrade will provide a fully IP based Ethernet network for the ATCS.

BART GEC – Integrated Computer System

As a subcontractor to AECOM, Auriga is providing Computer Systems Engineering (CSE) support to modularize and modernize BART's in-house Integrated Computer System (ICS) for the Operations Control Center (OCC) and Concord Yard's new Control System. In addition, Auriga is providing CSE support to modularize and modernize BART's in-house ICS for the C59 Switch VHLC Project. Further, as a subcontractor to HDR, Auriga is providing CSE support services to BART for ICS Modernization and Communication Based Train Control (CBTC) Systems Architecture.



SFMTA – Central Subway Project

As a subcontractor to the joint venture of HNTB and Transit Systems Engineering (TSE), Auriga is providing construction management support services to SFMTA for surface track and systems for the Central Subway project. Auriga is supporting the construction and integration of radio, Automatic Train Control System (ATCS), fire alarm system, and deluge systems. In addition, Auriga is evaluating and developing the Proposed Contract Changes and Contract Modifications for the contractor.



Caltrain – Maintenance Yard Improvement

As a subcontractor to Jacobs, Auriga is providing Construction Management Services to Caltrain for the Maintenance Yard Improvement Project. The scope of work includes extension of the Track 5 inspection pit, conversion of existing Supervisor's office into an electrical component repair room, construction in the East yard of a new prefabricated parts storage building, as well as other miscellaneous improvements.



VTA BSV Phase II – Fare Collection System

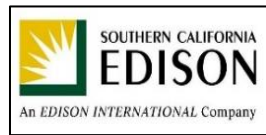
Auriga is providing Professional Services for the BART Silicon Valley (BSV) Extension Phase II – Program Management Project. As a sub-contractor to HNTB/PB (WSP) Joint Venture, Auriga has developed the design criteria for the Automated Fare Collection System for the BART extension to San Jose.



will conduct a one-day site visit to review important features for developing the queuing model. Auriga will identify the input data sources for the model and develop the queuing model in MS Excel.

Southern California Edison - Distribution Engineering Services

As a sub-contractor to Burns & McDonnell, Auriga is performing Independent Component Analysis work utilizing CYME Power Engineering software for SCE. Auriga is also providing services for the Integration Capacity Analysis project to evaluate SCE's existing distribution system models in support of requirements set forth in the California Distribution Resource Plan.



LACMTA – Lead IT Security Analyst

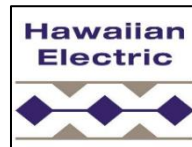
Auriga is providing professional services supporting the Information Security Department at Los Angeles County Metropolitan Transportation Authority. Auriga will define, implement, assess, and maintain controls necessary to protect information and vital assets at LACMTA in accordance with security requirements, and develop, implement, and maintain an information security program. Auriga will perform security and risks assessments, and define, implement, and enforce information security policies.



New Employee Profiles

Hawaiian Electric Company (HECO) – Digitization of Drawings

Auriga is providing project management and technical support services to HECO for Digitization of Transmission and Distribution Systems Drawings. In this project, Hawaii Blueprint will scan old HECO drawings and send the scanned copies of drawings to Auriga. Auriga will then perform QA/QC on the scanned drawings, assign ProjectWise attributes to the digitized drawings, and send the digitized drawings with ProjectWise attributes to HECO.



Deborah Toomey – Sr. IT Security Analyst

Deborah Toomey has recently joined Auriga as a Sr. IT Security Analyst. She has over 25 years of experience in information and cyber security, risk assessment, and IT governance. Deborah has many certifications such as CSM, CISM, CISA, PMP, CISSP, PRINCE2, and ITIL v3. She has a proven history of success in large, complex IT and cyber security projects.

Seon Kim – Regional Manager, Southern California



Dr. Seon Kim has recently joined Auriga as a Regional Manager, Southern California. He has a Master's Degree and Ph.D. in Mechanical Engineering. He is a registered Professional Engineer (P.E.) in the state of California. He is also certified as a Project Management Professional (PMP). Dr. Kim has a strong background in Systems Engineering. He will be responsible for Business Development and Management of Systems Engineering projects for rail and transit agencies in Southern California.

City of Philadelphia – Queuing Model Development Project

Under AVK Consulting, Auriga is supporting tasks and assignments requested by the City of Philadelphia, Division of Aviation, involving the Philadelphia Airport System. The project involves development of a queuing model for the airport. Auriga

