

Projects: Redlands Passenger Rail Project

Owner: San Bernardino County Transit Authority (SBCTA)

Client: AECOM

Soteria's Role: System safety and security planning, analysis, and certification during design, construction, testing, and start-up

Completion: 2022

Project Overview

SBCTA's Redlands Passenger Rail Project (RPRP) will develop and implement a modern, safe, and reliable passenger rail transit system to connect the San Bernardino Transit Center (SBTC) and the University of Redlands.

In San Bernardino, stops will be located at the SBTC and Tippecanoe Avenue. In Redlands, stops will be located at New York Street, Orange Street in Downtown and University Street at the University of Redlands.

The system takes advantage of an existing but underutilized railroad line originally constructed in 1888 by the Santa Fe Railway to serve the region's then rapidly growing population and citrus economy. In 1993 SBCTA acquired the railroad line from the Santa Fe Railway and began preliminary studies on how to turn the potential in this line into improved mobility and reduced traffic congestion for the people of San Bernardino County.

The current service model proposed is a frequent-headway diesel multiple unit (HCV) commuter service operating between San Bernardino and Redlands, augmented by a limited number of Metrolink conventional express trains providing access to its region-wide network. This model also preserves limited freight service for the remaining customers on the line.

Soteria's Contribution to This Project

As part of the Construction Management team, Soteria is providing safety and security planning, analysis, and certification services. We are leading the safety and security program for the design and construction phases of the project. All services will be performed in accordance with SCRRRA, CPUC, FRA and FTA guidelines, regulations, policies, procedures, manuals, and standards.

Soteria is leading the following tasks and activities:

- Safety and Security Certification Program Plan – Support and facilitate the preparation of the SSCPP and update the document as required during project duration.
- Preliminary Hazard Analysis (PHA) Report – Support and facilitate the preparation of a PHA and coordinate its compliance with final design, construction, and testing.
- Threat and Vulnerability Analysis (TVA) Report – Support and facilitate the preparation of a TVA and verify compliance with final design, construction, and testing.
- Operating Hazard Analysis (OHA) – Support and facilitate the preparation of an OHA and review the draft

and final analysis. Verify compliance with final design and as constructed improvements.

- Safety and Security Certification Review Team (SSCRT) Support – Provide key lead / support for the SSCRT meetings, including scheduling, meeting minutes, and presentation of final certification packages.
- Fire / Life Safety (F/LS) Committee Support – Schedule meetings, prepare meeting minutes, and facilitate resolution of action items.
- Design Criteria Conformance Checklists – Develop and prepare Safety and Security Certification Design Checklists. Coordinate and facilitate Checklist verification, audits, and certification of completed checklists, including presentation at SSCRT meetings for final acceptance.
- Construction / Specification Conformance Checklists – Coordinate and facilitate Checklist verification, audits, and certification of completed checklists, including presentation at SSCRT meetings for final acceptance.
- Provide reviews of in-progress design plans and specifications. Develop language for the contractor safety/security requirements in the construction specifications.