

Project: K Line Extension to Torrance

Agency: Los Angeles County Metropolitan Transportation Authority

Client: STV Incorporated

Soteria's Role: System Safety & Security Review and Management & Certification Plans

Completion: Scheduled for 2026

Project Overview



METRO K Line Extension. Photo Credit: Selbert Perkins Design

The K Line Extension to Torrance is a 4.5-mile light rail extension that connects to the existing Redondo Beach (Marine) Station and travels southeast through the cities of Lawndale, Redondo Beach, and Torrance. This extension is a critical piece of the regional rail network, offering opportunities for the County to access the jobs, schools, healthcare, and other needs in the South Bay. Additionally, it provides access for those in the South Bay to connect to the greater Los Angeles region.

The Project will connect travelers to the rail network and provide easy transfers to two new regional bus centers immediately adjacent to the proposed rail stations: the Redondo Beach Transit Center and the Mary K. Giordano Regional Transit Center (Torrance Transit Center), which opened in Spring and Summer of 2023. These bus centers include parking, drop-off, bike parking, and bus connections to connect rail passengers further into the South Bay and Peninsula. The K Line Extension will also provide rapid rail service north to LAX, Inglewood, and Central Los Angeles.

Soteria's Contribution to This Project

Soteria is providing support and expertise to STV, including the System Safety and Security Review and Management and Certification Plans.

Services Provided

1. Fire/Life Safety Reviews
 - Six over-the-shoulder meetings
 - FLSS Report
 - Station Exit Report
 - TVM Quantities Report
 - Fare Gate Quantities Report

2. Safety / Security Impacts
 - System Safety Review
 - System Security Review
 - Safety and Security Management Plan (SSMP)
 - Safety and Security Certification Plan (SSCP)
3. Threat and Vulnerability Analysis (TVA) and Resolution
4. Preliminary Hazard Analysis (PHA) – Transit
5. Preliminary Hazard Analysis (PHA) – Refinery
6. Performance Requirements