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## *Mid-City/Exposition Light Rail Project Profile*

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- Project:** Mid-City/Exposition Light Rail Project
- Agency:** Exposition Metro Line Construction Authority
- Soteria's Role:** Safety and Security Planning and Analysis
- Completion:** 2012

### **Project Overview**

The Expo LRT Project is approximately 9.6 miles long, extending from Downtown Los Angeles to Exposition Park and then to Venice Boulevard/Robertson Boulevard in Culver City. The Project constructed nine new stations (three of them aerial) and utilized two existing stations that are shared with the currently operating Metro Blue Line.

The Project operates in a dual track configuration in the center or curb lanes of selected streets and the Exposition Right-of-Way (ROW), with high platform stations similar to those in use on the Metro Blue Line. The ROW was widened to accommodate dual track LRT operations and a wide landscaped median for the Exposition Transit Parkway. Exposition Boulevard has two vehicular travel lanes in the east and west directions.





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PHOTO COURTESY OF METRO

The Expo LRT Project, including shared tracks with the Metro Blue Line (MBL), comprises approximately 9.6 miles of double-track rail, oriented in a roughly east-west direction between the existing MBL 7th & Metro Station in downtown Los Angeles and Venice/Robertson Station in Culver City. The alignment turns north from Exposition - Washington Boulevard, where the Expo LRT connects with the MBL.

The Project has a trench structure that begins on Flower St. and turns onto Exposition Blvd. The trench structure is approximately 2500 ft in length with openings in the roof at some locations. Four jet fans provide additional ventilation; two fans are located just after the entrance at each end of the trench.

### **Soteria's Contribution to This Project**

Soteria Company was sub to the Flatiron Fluor Parsons JV, and was responsible for Safety and Security Planning and Analysis for Phase I of this project. In Phase I, Soteria:

- Advanced the System Security Program Plan, System Safety Program Plan and the Safety and Security Certification Plan for the project.
- Implemented the safety and security programs from preliminary engineering through construction, including the preparation of safety hazard analysis and a Threat and Vulnerability Assessment (TVA).
- Successfully led the safety/security certification effort and provided technical support at the Fire/Life Safety Committee.