



C.H.J. Incorporated

Colton Crossing, Colton, CA

Owner: UPRR, Caltrans, SANBAG

Project Summary

This project includes a proposed grade separation of the UPRR tracks over the existing BNSF tracks. The purpose of the proposed grade separation is to eliminate a bottleneck in the regional rail network that exists where these two heavily traveled rail lines intersect. San Bernardino Associated Governments (SANBAG) and the California Department of Transportation (Caltrans), with input from the Federal Rail Administration (FRA), BNSF, UPRR, and the City of Colton, propose to grade separate the UPRR and BNSF mainline tracks that currently intersect at the Colton Crossing. The project includes grade separation of the mainline tracks and will require modification, relocation, and/or construction of existing and/or new embankments, retaining structures, bridges, tracks, rail devices, and other features.



CHJ's Role

CHJ provided the Geotechnical Investigation and Environmental Services during the design and preconstruction phases of the Colton Crossing Grade Separation

CHJ's geotechnical scope of work for the project was to perform a geotechnical/geologic investigation that addressed seismicity, embankment construction and settlement, shallow foundation design and pile design.

CHJ's environmental scope was to conduct a Phase I Site Assessment as well as representative soil sampling. The purpose of the site assessment was to identify areas of concern due to hazardous materials and/or soil contamination during project construction. CHJ's responsibilities included field exploration for the project, consisting of 10 exploratory borings and 10 cone penetration test (CPT) soundings, laboratory testing, as well as 10 Geoprobe borings and analytical testing of soil samples.

Project Costs: Ongoing



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