

Microtunneling for Temporary Support of Railroad Tracks

As part of the concrete-lined, trapezoidal Daycreek Flood Control Channel in Mira Loma, California, Westcon Microtunneling installed a double barrel box culvert beneath a triple set of high-speed, Union Pacific Railroad mainline tracks for the Riverside County Flood Control District. The underpressing consisted of 17 microtunneled drives installed in a configuration that created a rectangular support canopy for in-place construction of the box culvert. There were nine horizontally parallel drives along the top of the culvert and four vertically parallel drives down each side. The drives, each approximately 144 feet in length were made using 44.5 inch diameter steel pipe. The inside dimensions of each box barrel were 13 feet high by 17 feet wide, and were poured in place by Westcon in 12 foot increments.

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