

2005 EXCELLENCE IN HOT-DIP GALVANIZING DUPLEX SYSTEMS



MISSION VALLEY EAST LIGHT RAIL TRANSIT GRANTVILLE STATION

San Diego, CA



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Grantville Station is a highly-visible and heavily-trafficked trolley station outside of San Diego. Exposed to the corrosive elements of the urban area—from automotive and truck exhaust—and the salt air of the marine environment, this project’s engineer selected a combination hot-dip galvanizing and painted (duplex) system to protect the spiral stairs, shade canopies, and pedestrian restraints from corrosion.

The structural systems of this station are constructed of pipe and tube brace frames and wide-flange moment frames. The complexity and size of these very large, prefabricated sections required special venting and care during the galvanizing process, as well as during erection.

With the long-term corrosion protection that the zinc coating provides to the duplex system, Grantville Station will remain an attractive showpiece for the city of San Diego and the hot-dip galvanizing industry for decades to come.

