



**GRIFFITH
COMPANY**

Nogales Street Grade Separation Project

Location: City of Industry/LA County
Owner: Alameda Corridor East
Construction Authority

Total Value: \$51mil
Completed: 2016



Before construction of the Nogales Street Grade Separation Project, the Federal Railroad Administration identified the at-grade railroad crossing at Nogales Street as the number one most dangerous crossing in the State of California, and the third most dangerous in the Nation. Beginning in May 2013, we set about to make this crossing safe again. Our crews immediately began the widening of arterial streets and the construction of a new detour road to handle the 40,000 vehicles that crossed the tracks every day.

The at-grade crossing would be replaced with a new precast concrete girder rail bridge that

required more than 2,000 track feet of dual mainline track, owned and operated by Union Pacific Railroad, to be temporarily relocated. It also required extensive shoring, the excavation of over 120,000 cubic yards of dirt, construction of 25 foot high walls and the removal and relocation of major water, sewer, and storm drain trunk lines including the construction of a large reinforced concrete drainage structure and a storm water pump station. The broad scope of this project allowed our company to operate on all cylinders and involved every discipline of in which we specialize; including civil, landscape, underground, structures, concrete, and masonry work.

The greatest challenge of this project was the effect of utility relocation delays to the project schedule. From the very start of the project, the critical path was driven by the relocation of gas, electrical, and communication lines within Nogales Street. Each of these utilities were relocated by outside stakeholders that operated on their own timeframes. Our team spent countless hours coordinating this outside work. Through resequencing our construction activities and accelerating the schedule, the project team successfully mitigated over 224 days of cumulative utility delays, enabling the Nogales Street Grade Separation to open to the public on June 17, 2016.