



LAX AIRPORT - METRO CONNECTOR

The 9.5-acre Airport Metro Connector project delivered a new multimodal transit hub adjacent to Los Angeles International Airport, providing a critical connection between the Metro C Line (Green) and K Line (Crenshaw), regional municipal bus systems, and the future LAX Automated People Mover. Constructed over a 45-month duration with approximately 219,000 IBEW Local 11 electrical manhours and 42,000 IBEW Local 11 Sound & Communications manhours, the full-buildout transit facility included new at-grade light rail infrastructure, passenger transit platforms, a pedestrian bus plaza, customer service and operations buildings, retail kiosks, a public bike hub, extensive shuttle and passenger transportation areas, and electric vehicle charging infrastructure for both Metro and public transit operations. The project serves as a major transportation gateway connecting Metro Rail service with municipal transit systems including Santa Monica, Culver City, Torrance, and Beach Cities Transit while supporting direct airport access through a high-frequency shuttle system.

The highly integrated infrastructure project required extensive BIM-coordinated underground utility installation among multiple trades and included comprehensive architectural lighting throughout the campus with more than 2,400 lighting fixtures tied into advanced lighting control systems. Core electrical infrastructure included a 2,000kW diesel emergency backup generator, 2,000kW load bank, dual 5,000A switchboards, dual 2.5MVA medium-voltage transformers, distributed electrical equipment, and a new 234,080kW ground-level photovoltaic system. The facility incorporates a broad range of advanced low-voltage and life-safety systems, including a fully integrated Emergency Management System, Transit Passenger Information System, voice evacuation fire life-safety system, campus-wide security and video surveillance network with more than 200 cameras, Distributed Antenna and Emergency Responder Radio Systems supporting multiple public safety agencies, integrated SCADA monitoring across more than 1,200 system points, redundant fiber optic and Cisco/Fujitsu network infrastructure supporting rail operations and communications, seismic event detection systems, and emergency passenger communication stations throughout the campus, resulting in one of the region's most technologically advanced public transportation facilities.

PROJECT DETAILS

9.5-Acre Multimodal Metro Transit Facility

LOCATION: Los Angeles, CA

CLIENT: Los Angeles County Metropolitan Transportation Authority (Metro)

DURATION: 45 Months

SIZE: 9.5 Acres



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