

Airfield Engineering

Project Spotlight



LAX: Airfield Electrical Systems Upgrade and Vault

Dinter had the opportunity to provide electrical design services on several projects for Los Angeles World Airports at the Los Angeles International Airport, which is ranked as the world's 6th busiest airport in 2010. These projects were intended to upgrade their facility/airport to accommodate for the new generation of aircrafts and continued growth. LAX is upgrading their facility/airport to accommodate for the new A380 Bus Airplane. LAX plans included relocating and upgrading the Tom Bradley International terminals on the west side. In addition, plans include a new Taxiway (Taxiway R), a new Taxilane (Taxilane S), and an extension of an existing Taxiway (Taxiway D).



LAX - NEW TAXIWAY BRIDGE

Our design of the new taxiway R, which runs north/south, included design of a new LED taxiway edge lighting, new LED taxiway impavement centerline lighting, new signs, and new power feed. In addition to the Taxiway, a new remain over night (RON) apron was designed with new apron lights and power feed.

The new Taxilane S design included LED impavement center line lights, new signs, and power feed. New LED edge lights were installed along the intersections at taxiways D, E, C, and B at the north and south ends of the Taxilane.

The extension of taxiway D included LED edge lights, LED centerline lights, and new signs. All new design was intended to make the airport more energy efficient.



LAX - GUIDANCE SIGN

Dinter Experience At A Glance.

- 69 projects involving runway lighting for 41 airports/airfields.
- 124 projects involving taxiway lighting for 51 airports/airfields.
- 53 projects involving apron/ramp lighting for 31 airports/airfields.
- 10 projects involving helipad lighting for 9 airports/airfields.
- 18 projects involving Runway Guard Lights (RGL) for 11 airports/airfields.
- 37 projects involving threshold lights for 29 airports/airfields.
- 10 projects involving touchdown zone (TDZ) lighting for 9 airports/airfields.
- 5 projects associated with Runway Safety Areas for 5 airports/airfields.
- 6 projects involving Runway Visual Range (RVR) for 6 airports/airfields.
- 48 projects involving PAPIs for 34 airports/airfields.
- 30 projects involving REILs for 23 airports/airfields.
- 28 projects involving ILS (GS, LOC) equipment or MALSR/MALSF/ALSF for 17 airports/airfields.
- 11 projects involving weather stations (AWOS or ASOS) for 11 airports/airfields.
- 119 projects involving signage for 57 airports/airfields.
- 29 projects involving wind cones/wind socks for 26 airports/airfields.
- 17 projects involving rotating beacons for 17 airports.
- 16 projects involving airfield radio controls for 16 airports/airfields.
- 45 projects involving airfield lighting controls (ALCMS, CALCS, ALCS) for 27 airports/airfields.
- 86 projects involving electrical/lighting vaults for 50 airports/airfields, and numerous power, generator, regulator, and controls projects for airports.
- 6 master plan projects for 6 airports.
- 31 projects involving hangars for 12 airports/airfields.
- 107+ projects involving parking lot lighting for commercial facilities and airports.
- IDIQ Experience: DEC has served on 27 federal government IDIQ contracts.
- 17 projects involving security gates for 15 airports/airfields.
- 69 projects involving airport terminals, concourses or cates for 11 airports/airfields.