

## Featured Project

### The McConnell Foundation Maintenance Facility

Redding, CA

The McConnell Foundation was formed through the uncommon generosity of Carl and Leah McConnell, in order to share the benefit of their lifelong accomplishments with the communities of Northern California. The Foundation is headquartered in Redding, California on the 200-acre Lema Ranch, in a 25,000-square-foot building. The site includes four man made ponds, extensive public trail areas and a maintenance facility. The Maintenance Facility manages and maintains this property and other local properties owned by the Foundation.

ArcSine Engineering performed detailed field investigation to integrate the new 18,000-square-foot Maintenance building on to the 200-acre site and to provide a facility wide communication system (five buildings) for the following peripheral systems: computer networking, video, access control, fire/intrusion alarming, building automation, lighting controls, and energy management systems.

The Maintenance building included the following design items:

- Automated gate system with gate kiosk and traffic loops.
- Automated vehicle car wash.
- Power distribution, lighting and peripheral systems for:
  - ◊ Vehicle maintenance bays (with vehicle lifts).
  - ◊ Maintenance shop and wood shop.
  - ◊ Fuel dispensing area.
  - ◊ Training facility, offices and supporting areas.
- Design of on-site, utility owned, underground 12Kv system.
- Design of site wide power distribution systems.
- Design of extensive site lighting.

Electrical  
Lighting  
Access Control  
Fire/Intrusion  
Energy Management System  
Utility Coordination



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