

### Coos Bay City Hall and Police Station

Coos Bay, Oregon

The City of Coos Bay, Oregon, is the largest city on the Oregon Coast. With the ocean just minutes away, Coos Bay, and the abundant coastal rivers and forests, residents enjoy great fishing and a wide variety of outdoor activities.

Coos Bay City Hall was originally constructed in 1974. The building is an essential services building which houses the Police Department, Public Works, Public Services, and Community Services. The structure is comprised of an open ground level parking area with all City departments located on the second floor above the parking garage area.

This project consisted of seismic retrofits to the concrete pilings and upgrades to mechanical (HVAC), electrical, and lighting systems to improve facility longevity, comfort, and energy efficiency. Estimated project cost was \$2.5 million, which was funded through grants and Urban Renewal Agency funding.

ArcSine Engineering performed the following services for this project:

- Field investigation of the existing HVAC equipment and duct routing.
- Field investigation of the lighting system and power distribution equipment.
- Preparation of mechanical and electrical demolition drawings.
- HVAC design: Replace existing multizone rooftop units with new packaged variable air volume (VAV) rooftop units; install new VAV boxes with electric reheat in the attic throughout the building.
- Designed new direct digital controls (DDC).
- Designed plumbing systems to accommodate ADA modifications to public restrooms.
- Design of new power distribution feeders to mechanical (VAV) rooftop units and electric reheat VAV boxes.
- Prepared photometric plot files and designed replacement lighting fixtures for the entire second floor.
- Designed upgrades to exterior and parking garage lighting.
- Designed mechanical and electrical systems for a new evidence storage room.
- Coordination with the Energy Trust to secure rebates for new lighting fixtures.
- Construction Engineering Services During Bid and Construction.

Electrical  
Mechanical  
Plumbing  
Construction Services

