



Owner: United States Postal Service
Anchorage Processing
and Distribution Center
Anchorage, AK 99505

Engineer Estimate: \$311,000.00

Low Bid: \$331,000.00

Construction Cost: \$343,650.00

Completion Date: 2000

Owner's Rep. Richard Sands,
United States Postal Service
Seattle Processing & Distribution Center
10700 27th Avenue South
Seattle, WA 98168
Tel: 206.768.4478

Work Included: Rebuilt one of the existing boilers, boiler size 6,000 MBH, for temporary use while proceeding with furnishing and installing a new replacement. Furnished and installed new boiler in parallel with existing boiler system. HVAC upgrade, repaired and renovated facility, while the building was occupied. Replaced major portions of the existing HVAC system including boilers, chiller, air handling units, ducts and other elements. Replaced portions of the existing fire alarm system with new DDC controls and card access were added.

Project Personnel:

George Richmond, P.E. Project Manager, Mechanical Lead

Rod Roche, P.E. Electrical Lead

**Anchorage Processing
& Distribution Center**





Owner: United States Postal Service
Bulk Mail Center
34301 9th Ave. S
Federal Way, WA 98603-0500
Project No. 2049

Engineers Estimate: \$3,300,000.00

Low Bid: \$3,768,429.00

Construction Cost: \$3,800,000.00

Completion Date: 1998

Owner's Rep: Richard A. Sands
United State Postal Service
Seattle Processing & Distribution Center
10700 27th Avenue South
Seattle, WA 98168
Tel: 206.768.4478

Work Included: This project included both mechanical and electrical design for an owner occupied facility.

- a. Replaced portions of the existing HVAC system, the existing control system, the existing chillers and performed incidental work. Evaluated burner, hydronic pumps, valves and control replacement.
- b. Demolished existing work including HVAC systems and some ducts and chillers. Constructed, including foundations, chiller pad south of the existing building.
- c. Installed air-handling units in the penthouses. Installed two new burners at 10,000 MBH each and blend pumps, one for each boiler
- d. Demo existing ductwork and diffusers as shown on plans. Reused ductwork where indicated
- e. Removed and disposed of existing air-handling units, water-cooled chillers, and VAV boxes.
- f. Provided HVAC controls (Barber-Coleman or Landis and Staefa)
- g. Installed new chillers, HVAC air handlers, controls, and ductwork.
- h. Balanced and adjusted the new HVAC system

Project Personnel:

George Richmond, P.E.	Project Manager, Mechanical Lead
Rod Roche, P.E.	Electrical Lead
Henry Romer, P.E.	Mechanical Engineer

Seattle Bulk Mail Facility





Owner: United States Postal Service
Tacoma General Mail Facility
4001 S. Pine Street
Tacoma, Washington

Engineers Estimate: \$1,350,000.00

Low Bid: \$1,300,000.00

Construction Cost: \$1,688,379.00

Completion Date: 1999

Owner's Rep: Mary Lee
United States Postal Service
Seattle Domicile Facility Service Office
34301 9th Avenue South
Federal Way, WA 98603
Tel: 253.874.7280

Work Included: Complete replacement of the HVAC system in an existing 200,000 square foot building. Mechanical and electrical design included adding a 300-ton central chiller plant with all associated pumps and hydronic equipment. A new four million BTU central boiler plant was also included in the design. Hydronic piping was replaced throughout the building. An electrical upgrade was designed to support the new HVAC equipment, and direct digital controls were added throughout the facility. All work took place with the facility occupied.

Project Personnel:
George Richmond, P.E. Project Manager, Mechanical Lead

Tacoma General Mail Facility





Owner: United States Postal Service
Processing and Distribution Center
34301 9th Avenue South
Federal Way, WA 98063-0500

Engineer Estimate: \$30 Million

Low Bid: \$25.072 Million

Construction Cost: \$30,955,571.00
\$9 Million (RAE)

Completion Date: February 2003

Owner's Rep: Richard A. Sands
United States Postal Service
Seattle Processing & Distribution Center
10700 27th Avenue South
Seattle, WA 98168
Tel: 206.768.4478

Work Included:

Part I Complete replacement of HVAC equipment and DDC system for 500,000 square feet mail processing facility. Facility operates 24/7. Electrical included system modifications to accommodate revisions to mechanical systems, and selected lighting upgrades/replacements.

Part II Exterior lighting modification on the north side of building and south parking lot area lighting. Power and control system for vehicle gates.
Access control system for personnel and vehicles.

Project Personnel:

George Richmond, P.E.	Project Manager, Mechanical Lead
Henry Romer, P.E.	Mechanical Lead
Rod Roche, P.E.	Electrical Lead

*United States Postal Service
Seattle P&DC HVAC*

*Replacement Project,
Phases 1 & 2*

