



GREGORY L. PRIDE, P.E.
Electrical Engineer

■ **PROJECT EXPERIENCE**

EXPERIENCE SUMMARY:

Mr. Pride is an Electrical Engineer at HGE, Inc., Architects, Engineers, Surveyors & Planners, with over 6 years of experience in municipal and commercial electrical power and lighting design. His design experience includes various municipal wastewater treatment facilities and pump stations as well as numerous public elementary and high schools, college dormitories, libraries and private science buildings. Greg also has extensive experience in Construction Administration. Greg's high degree of concern shows in his quality of communication with our clients.

■ **EDUCATION:**

Major: B.S. Business Administration
Minors: Electrical Engineering,
Mathematics, and Science
Oregon State University, 1987

**PROFESSIONAL
REGISTRATION:**

Electrical Engineer, Oregon

Pump Station #3 Flow Monitoring, Coos Bay, Oregon.

Conducted flow monitoring study using SIGMA flow meters with HACH Insight software. The data was part of a pre-design study to identify seasonal flow changes caused by ground and surface water during storm events, and the effect on a 9 MGD plant.

Parkway Pump Station Replacement, Winston, Oregon.

The project involves the replacement of a 26-year old pumping facility that has exceeded its useful life span. HGE provided complete design and construction management services. Greg designed the electrical power and control systems for this project.

LaPine Wastewater Treatment Facility

HGE designed improvements to the water treatment lagoon system that doubled the current capacity. Greg was the electrical designer for a completely revised aeration system, including 13 wind/electric aerators, a blower system, a new PLC control system with a WonderWare interface.

LaPine Pump Station

A new pump station was added to the wastewater collection system. Greg designed the electrical system which included dual 5 HP submersible pumps and future capacity for an emergency power generator.

Raw Water System Improvements, Waldport, Oregon.

Improvements included installation of new treatment system at existing facility. Modifications were made to upgrade power and control systems. Greg assisted the engineering team with the power and controls design for this improvement project.

Water System Improvements, Drain, Oregon

New valves and control systems were designed as part of this raw water system improvement. A new PLC was designed to work with the new electronic valves and water treatment system. Electrical power systems were also upgraded to allow for connection of a portable emergency generator.

Water and Wastewater Improvements, Port Orford, Oregon

Improvements include a complete upgrade to the water and wastewater infrastructure. Water systems include a completely new well-fed reservoir with telemetry controls. The wastewater systems include a new lagoon treatment system. Existing electrical equipment was evaluated and refurbished to supply power to the new systems while control systems were completely replaced.

Stellar Cove Exhibit, The Oregon Zoo, Portland, Oregon

The Stellar Cove Exhibit at the Oregon Zoo required extensive pump, HVAC, and lighting control systems. The PLC was specially designed to accomplish full control of numerous systems required to maintain tide pools, sea lion and seal exhibits, and additional research functions. Special consideration was made to balance lighting requirements for human safety with the desire for low-level ambient lights.

Boley Library, Lewis & Clark Law School, Portland, Oregon

The 40,000 sq. ft. addition to Boley Library provides about 20,000 sq. ft. of library space for staff offices, a large, dramatic 2-story reading room, two computer labs and a rare book room. In the other 20,000 sq. ft., there are two 60-seat interactive classrooms, two large seminar rooms, 17 faculty offices, and workspace for the three law review programs. This project was selected as one of the best examples of sustainable design in the Northwest. Phase I of a \$25 million master plan expansion for Lewis & Clark College Northwestern School of Law.

Tom McCall West Upper Elementary, Forest Grove School District, Forest Grove, Oregon

Tom McCall West is a new, 600-student, upper elementary school for 5th and 6th grade students. The building is approximately 71,000 sq. ft. Electrical design includes power distribution, lighting (including battery-operated emergency lighting), a fire detection and alarm system, and CAT 6 data and telecommunication infrastructure.

Museum of Art, University of Oregon, Eugene

The University of Oregon undertook a \$12.72 million renovation and expansion project that doubled the size of its 32,000 sq. ft. Museum of Art. Renovation of the historic, depression-era building required the use of creative lighting and fire detection design. The lighting system had to accommodate high-energy display lighting, while meeting lighting levels mandated by the Oregon Energy Code. An early detection fire alarm system was used in historic areas to provide added protection while minimizing the appearance of detection devices. The renovation included complete new power distribution, lighting (with networked lighting control panels), new fire detection and notification system, and complete data and telecommunication systems.