

## **Professional Record**

Mr. Bailey is an electrical engineer experienced in designing electrical and control systems for municipal systems and water and wastewater treatment facilities, above and below ground distribution systems, lighting systems for parks and roadway and industrial facilities. His project management responsibilities encompass preliminary and final design, cost estimating, and construction/start-up services. He participates on quality assurance/quality control teams to evaluate electrical systems' technical conformance to codes and adherence to a project's overall design scheme. He interfaces with other project consultants, as well as client and vendor representatives.

Mr. Bailey is experienced in electrical project engineering and project management. He has practiced applied electrical engineering on a variety of environmental projects having been involved from concept to preliminary and final design through construction start-up. His experience involves electrical engineering for computer facilities, treatment and disposal facilities, and power/lighting designs for buildings.

Mr. Bailey was the project manager, in responsible charge, for all electrical design concerns for the following projects:

- Miramar Pump Station & Ground Storage Tank  
City of Miramar, Florida
- Sanibel Effluent Pump Station & Lift Station Upgrades  
City of Sanibel, Florida
- Booster Pump Station @ Charles A. Black WTP-1  
Citrus County, Florida
- Pompano Pump Station No. 16  
City of Pompano Beach, Florida
- Pompano Lift Stations (9 Total)  
City of Pompano Beach, Florida
- Pompano Lift Stations (13 Total)  
City of Pompano Beach, Florida
- Master Pump Station  
Bal Harbour, Florida
- Hidden Valley Stormwater Pump Station  
Boca Raton, Florida
- Cape Coral MPS 200/LS #317  
City of Cape Coral, Florida

## **Stephen E. Bailey President**



### **BAILEY ENGINEERING CONSULTANTS, INC.**

#### **Academic Credentials:**

Bachelors of Electrical Engineering  
Georgia Institute of Technology, 1983  
Power and Control Theory

Professional Engineer - Florida, Virginia, Georgia,  
North Carolina

#### **Employment Record:**

1992-Present-Bailey Engineering Consultants  
1986-1992 - C.E. Bailey & Associates, Inc.  
1984-1986 - Advanced Micro Devices  
1983-1984 - Hewlett-Packard

#### **Principal Areas of Expertise:**

Electrical and Control Design of Water and Wastewater Treatment Facilities, Pump Stations, Industrial, Environmental, Municipal and Commercial Projects

Electrical Studies, Value Engineering, and All Phases of Project Management

#### **Professional Activities:**

National Society of Professional Engineers (NSPE)  
Institute of Electrical and Electronic Engineers (IEEE)  
Florida Engineering Society (FES)  
Florida Institute of Consulting Engineers (FICE)  
National Fire Protection Association (NFPA)  
Instrument Society of America (ISA)

## Professional Record

Mr. Libo-on is an electrical engineer experienced in designing lighting and power systems for residential, commercial, industrial, parks and recreation, and wastewater treatment facilities, above and below ground distribution systems and industrial facilities. His electrical designing responsibilities encompass all aspects of drawing production, as well as system design.

### **EXPERIENCE:**

Mr. Libo-on is experienced in electrical design. He has been involved in the electrical system design on a variety of projects. His experience includes electrical designs for water treatment plants, water reclamation facilities and water reuse projects, and lighting projects. A sample of projects in which Mr. Libo-on was involved is as follows:

- Sanibel Effluent Pump Station & Lift Station Upgrades  
City of Sanibel, Florida
- Pompano Pump Station No. 16  
City of Pompano Beach, Florida
- Pompano Lift Stations (9 Total)  
City of Pompano Beach, Florida
- Pompano Lift Stations (13 Total)  
City of Pompano Beach, Florida
- Lift Station Rehabilitation  
City of Mount Dora, Florida
- Master Lift Station Rehabilitation  
Lauderdale-By-The-Sea, Florida
- Lauderhill Lift Stations (4 Total)  
City of Lauderhill, Florida
- Lake City WTP Chemical Additions  
City of Lake City, Florida

## Jay Libo-on Electrical Engineer



**BAILEY ENGINEERING CONSULTANTS, INC.**

### **Academic Credentials:**

Bachelors of Science, Electrical Engineering  
Florida Atlantic University, 1999

Engineer Intern – Florida No. 1100006452

### **Employment Record:**

1998-Present: Bailey Engineering Consultants

1994-1998: Leahy Document & Information  
Management

### **Principal Areas of Expertise:**

Electrical and Control Design of Water and Wastewater Treatment Facilities, Pump Stations, Industrial, Environmental, Municipal and Commercial Projects

## Professional Record

Mr. Hayward is a licensed electrician qualified to inspect and/or install electrical work for industrial facilities. He specializes in inspection, advanced technical wiring, motor control, instrumentation wiring, schematic diagrams and fire alarm systems. As an electrician, he consistently brought major projects to a successful completion on schedule and within the budget limits.

Mr. Hayward has planned, supervised and successfully completed the electrical installation of the following Florida Intra-coastal movable bridges, water/wastewater treatment plants, and industrial installations:

- Pompano Pump Station No. 16  
Pompano Beach, Florida
- Pompano Lift Stations (9 Total)  
Pompano Beach, Florida
- Pompano Lift Stations (13 Total)  
Pompano Beach, Florida
- SBDD Stormwater Pump Stations S4 & S5  
Broward County, Florida
- Pembroke Park Stormwater Pump Station  
Pembroke Park, Florida
- Lauderhill Lift Stations (4 Total)  
Lauderhill, Florida
- Sanibel Effluent Pump Station & Lift Station  
Sanibel, Florida
- Pump Station D37  
Fort Lauderdale, FL
- Weston Stormwater Pump Station, Weston, FL  
Weston, Florida
- Master Lift Station Rehab  
Lauderdale-By-The-Sea, Florida

Mr. Hayward is uniquely qualified to provide construction inspection for industrial projects or any other construction implementation aspect related to municipal WWTP/WTP projects or numerous other industrial complexes.

## Dan W. Hayward Electrician



### BAILEY ENGINEERING CONSULTANTS, INC.

#### *Academic Credentials:*

Union Electrician Apprentice School, 1983-1987  
• Graduate

Licensed Electrician:  
Broward County #90-WE-2642-X  
Palm Beach County #J15606

#### *Employment Record:*

Feb. 1998-Present-Bailey Engineering Consultants  
• Responsible for all aspects of construction supervision. This includes shop drawing review, responding to contractor questions and field supervision of contracted work.

Feb. 1991-Feb. 1998 - Edwards Electric, Inc.  
• Performed electrical installation and supervision as foreman for various electrical contracts including movable bridges, water and wastewater treatment facilities, and conveyer systems.

Jan. 1988-Feb. 1991 - Hayward Electric Inc.  
• Performed electrical installation and supervision as foreman for all phases of residential electrical work including estimates and preparation of proposals for clients.

#### *Principal Areas of Expertise:*

- Advanced technical wiring
- Motor control
- Instrumentation wiring
- Schematics
- Fire alarms systems

#### *Professional Activities:*

- Member of Local Union 728 - 12 Years