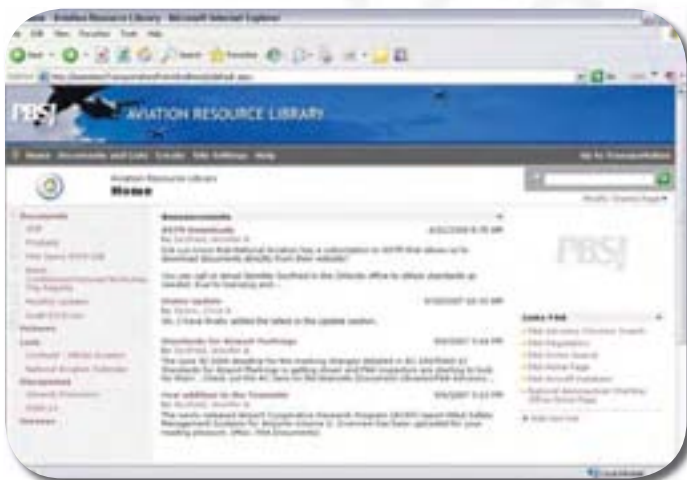




the project management and financial management functions in this manner is unique, and gives us the ability to provide our clients with project reporting at an unprecedented level of detail.

Project Web Sites

The PBS&J technology group hosts temporary Web pages on our high-speed servers that can be customized to meet project demands. These teamsites can be used for either internal storage of information or external sharing of documents with the client and project team. By creating a central repository for project information, PBS&J teamsites provide project teams with an easy and efficient way to share knowledge with other team members, access project documentation, and collaborate on project deliverables. These sites also provide secure external user access. At project completion, the teamsite provides an organized record of the project's history.

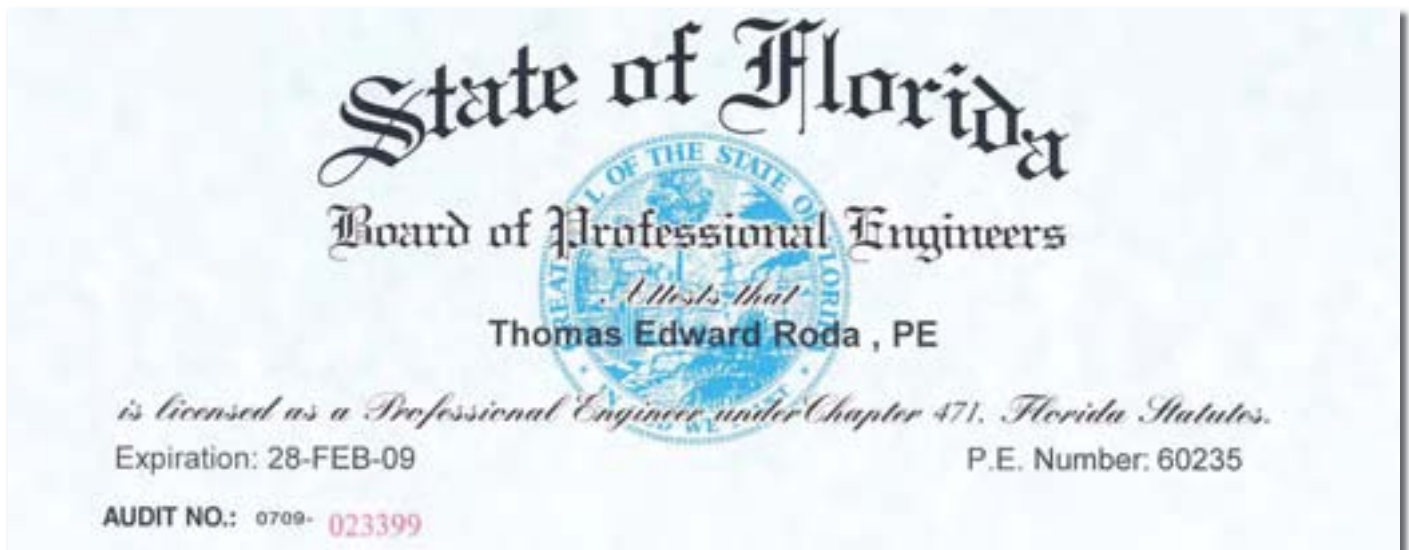




Registration

PBS&J aims to be a single-source solution for clients through the provision of world-class technology and personal service on all of our projects.

This section contains individual and firm registrations/licenses for PBS&J and our proposed subconsultants.



Licensee Information	
Name:	HELMS, JEFFREY CRAIG (Primary Name) (DBA Name)
Main Address:	PBS&J 2401 EXECUTIVE PLAZA, SUITE 2 PENSACOLA Florida 32504-6968
County:	ESCAMBIA
License Mailing:	2401 EXECUTIVE PLAZA, SUITE 2 PENSACOLA FL 32504-6968
County:	ESCAMBIA
LicenseLocation:	4470 OLD SPANISH TRAIL RD #16 PENSACOLA FL 325040000
County:	ESCAMBIA
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	46322
Status:	Current,Active
Licensure Date:	01/22/1993
Expires:	02/28/2009

Licensee Information

Name: **MCCAULEY, KEVIN DANIEL** (Primary Name)
(DBA Name)

Main Address: **601 CHANNELSIDE WALK WAY.
#1146
TAMPA Florida 33602**

County: **HILLSBOROUGH**

License Mailing:

LicenseLocation:

License Information

License Type: **Professional Engineer**

Rank: **Prof Engineer**

License Number: **67477**

Status: **Current,Active**

Licensure Date: **01/17/2008**

Expires: **02/28/2009**

Licensee Information

Name: **WALLS, RICHARD JOSEPH** (Primary Name)
(DBA Name)

Main Address: **1928 Wescott Drive
RALEIGH North Carolina 27614-000**

County: **OUT OF STATE**

License Mailing:

LicenseLocation:

License Information

License Type: **Professional Engineer**

Rank: **Prof Engineer**

License Number: **56205**

Status: **Current,Active**

Licensure Date: **07/25/2000**

Expires: **02/28/2009**



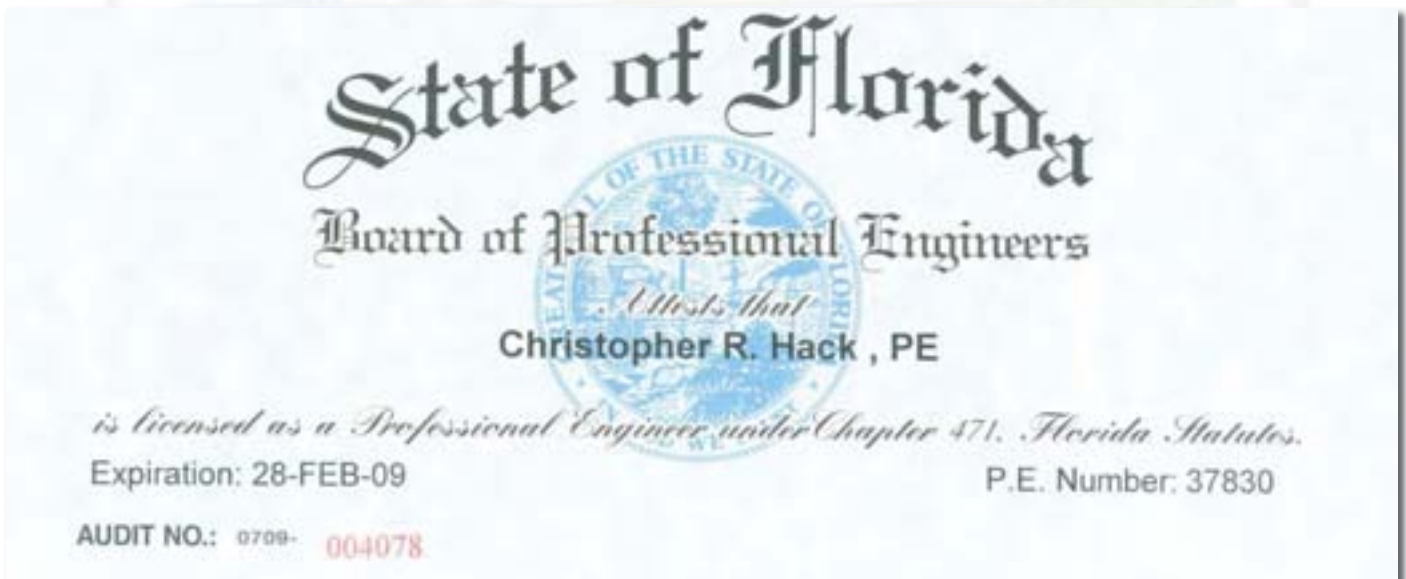


Licensee Information

Name: **RIPLEY, JASON THOMAS** (Primary Name)
 (DBA Name)
 Main Address: **2657 TOPAZ WAY**
TALLAHASSEE Florida 32303
 County: **LEON**
 License Mailing:
 LicenseLocation:

License Information

License Type: **Engineering Intern**
 Rank: **Eng Intern**
 License Number: **1100007605**
 Status: **Current,Active**
 Licensure Date: **02/07/2002**
 Expires:





Expiration: 28-FEB-09

P.E. Number: 56796

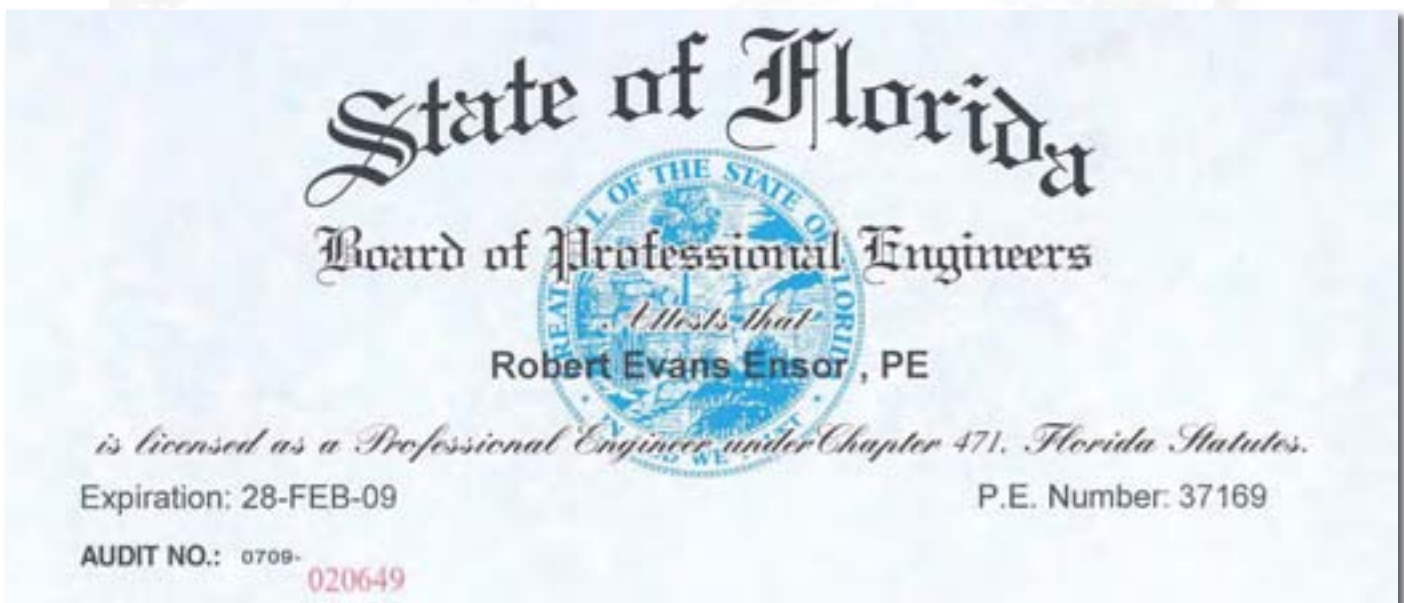
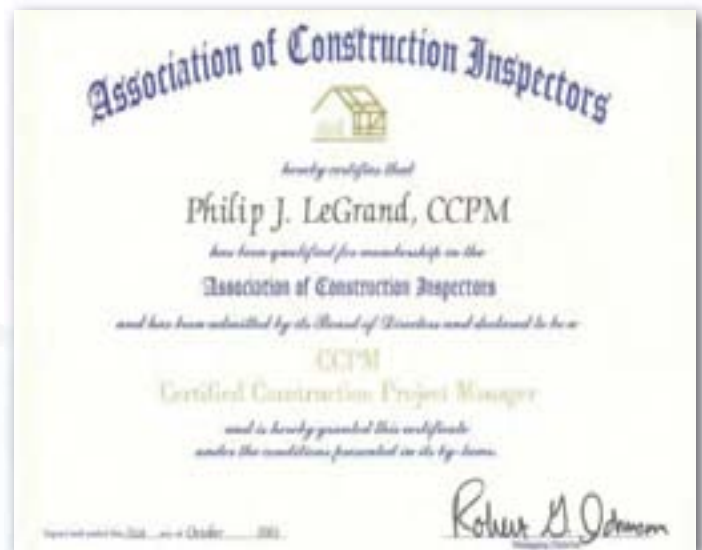
AUDIT NO.: 0709- 018979

Licensee InformationName: **MAEDA, CARLOS E** (Primary Name)Main Address: **4269 Lillian Hall Lane
ORLANDO Florida 328120000**County: **ORANGE**

License Mailing:

LicenseLocation:

License InformationLicense Type: **Professional Engineer**Rank: **Prof Engineer**License
Number: **41381**Status: **Current,Active**Licensure Date: **03/16/1989**Expires: **02/28/2009**



Gresham, Smith and Partners Team Members Professional Licenses

TEAM MEMBER NAME	STATE	LICENSE TYPE	LICENSE NUMBER	EXPIRATION DATE
David L. King	NCARB	Architect	67742/46530	July 31, 2008
David L. King	MD	Architect	10824	August 13, 2008
David L. King	SC	Architect	6751	June 30, 2008
David L. King	VA	Architect	0401-005959	September 30, 2008
David L. King	WV	Architect	2947	June 30, 2008
David L. King	PA	Architect	RA403613	June 30, 2009
David L. King	ME	Architect	3025	June 30, 2008
Wilson P. Rayfield	TN	Architect	101605	May 31, 2009
Julia B. Rayfield	NCIDQ	Interior Design	14817	September 30, 2008
Julia B. Rayfield	VA	Interior Design	0412-000598	May 31, 2009
Scott J. Swanson	VA	Architect	0401-013640	October 31, 2008

Larry M. Jacobs & Associates, Inc., Team Members Professional Licenses

State of Florida

Board of Professional Engineers

Keith Victor Jacobs, PE

is licensed as a Professional Engineer under Chapter 471, Florida Statutes.

Expiration: 28-FEB-09

P.E. Number: 66577

AUDIT NO.: 0709-028466

State of Florida

Board of Professional Engineers

Larry M. Jacobs, PE

is licensed as a Professional Engineer under Chapter 471, Florida Statutes.

Expiration: 28-FEB-09

P.E. Number: 19690

AUDIT NO.: 0709- 017168

PBS&J Professional Firm Licenses

Engineering

State of Florida
Board of Professional Engineers
 Post Buckley Schuh & Jernigan Inc.

Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

AUDIT NO.: 0709- 000675 CERTIFICATE OF AUTHORIZATION NUMBER: 24
 EXPIRATION: 28-FEB-09

DISPLAY AS REQUIRED BY LAW

Architecture

AC# **3138472** **STATE OF FLORIDA**
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
 BOARD OF ARCHITECTURE & INTERIOR DESIGN SEQ# 107031400911

DATE	BATCH NUMBER	LICENSE NBR
03/14/2007	0000000000	AAC000723

The ARCHITECT CORPORATION
 Named below IS CERTIFIED
 Under the provisions of Chapter 481 FS.
 Expiration date: FEB 28, 2009

POST BUCKLEY SCHUH & JERNIGAN INC
 5300 WEST CYPRESS STREET SUITE 200
 TAMPA FL 33607

CHARLIE CRIST HOLLY BENSON
 GOVERNOR SECRETARY

DISPLAY AS REQUIRED BY LAW

Surveying

AC# **3042180** **STATE OF FLORIDA**
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
 BOARD OF PROF SURVEYORS & MAPPERS SEQ# 107012300950

DATE	BATCH NUMBER	LICENSE NBR
01/23/2007	060474950	LB24

The SURVEYING & MAPPING BUSINESS
 Named below IS CERTIFIED
 Under the provisions of Chapter 472 FS.
 Expiration date: FEB 28, 2009

POST, BUCKLEY, SCHUH, & JERNIGAN, INC
 5300 W CYPRESS STREET SUITE 200
 TAMPA FL 33607

CHARLIE CRIST HOLLY BENSON
 GOVERNOR SECRETARY

DISPLAY AS REQUIRED BY LAW

Landscape Architecture

AC# **3479063** **STATE OF FLORIDA**
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
 BOARD OF LANDSCAPE ARCHITECTURE SEQ# 107101001400

DATE	BATCH NUMBER	LICENSE NBR
10/10/2007	078069450	LCC000052

The LANDSCAPE ARCHITECT BUSINESS
 Named below HAS REGISTERED
 Under the provisions of Chapter 481 FS.
 Expiration date: NOV 30, 2009

POST, BUCKLEY, SCHUH &
 JERNIGAN, INC
 5300 W. CYPRESS STREET
 TAMPA FL 33607

CHARLIE CRIST HOLLY BENSON
 GOVERNOR SECRETARY

DISPLAY AS REQUIRED BY LAW

Gresham, Smith and Partners Professional Firm Licenses

AC# 3032085

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN

SEQ# L07011700709

DATE	BATCH NUMBER	LICENSE NBR
01/17/2007	060473457	AAP000034

The ARCHITECT PARTNERSHIP
Named below IS CERTIFIED
Under the provisions of Chapter 481 FS.
Expiration date: FEB 28, 2009

GRESHAM, SMITH AND PARTNERS
511 UNION ST STE-1400
NASHVILLE TN 37219

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

HOLLY BENSON
SECRETARY

State of Florida

Board of Professional Engineers

Gresham Smith & Partners

Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

CERTIFICATE OF AUTHORIZATION NUMBER: 3806

AUDIT NO.: 0709- 004531

EXPIRATION: 28-FEB-09

AC# 3032129

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN

SEQ# L07011700753

DATE	BATCH NUMBER	LICENSE NBR
01/17/2007	060473458	IB26000797

The INTERIOR DESIGN PARTNERSHIP
Named below IS CERTIFIED
Under the provisions of Chapter 481 FS.
Expiration date: FEB 28, 2009

GRESHAM, SMITH AND PARTNERS
511 UNION ST STE-1400
NASHVILLE TN 37219

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

HOLLY BENSON
SECRETARY

Larry M. Jacobs & Associates, Inc., Professional Firm Licenses

State of Florida
Board of Professional Engineers
Larry M. Jacobs & Assoc Inc

Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

CERTIFICATE OF AUTHORIZATION NUMBER: 2184

AUDIT NO.: 0709- 001888

EXPIRATION: 28-FEB-09

Cal-Tech Testing, Inc., Professional Firm Licenses

State of Florida
Board of Professional Engineers
Cal-Tech Inc

Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

CERTIFICATE OF AUTHORIZATION NUMBER: 3568

AUDIT NO.: 0709- 000688

EXPIRATION: 28-FEB-09



Specific Accomplishments

PBS&J has a long list of clients who continue to select us as their consultant year after year because of the high-quality professional services we provide.

PBS&J has been assisting our clients to effectively and wisely develop, implement, and manage aviation-related projects since the firm's founding in 1960. In this section, we have provided examples of PBS&J's project experience and professional accomplishments that are relevant to the work elements anticipated for this contract. These projects demonstrate PBS&J's ability to successfully manage both large and small projects, develop innovative solutions that integrate multiple objectives, and adhere to complex scheduling requirements and budgets—all within the context of successfully meeting the goals and objectives of each respective client. As requested, all projects shown in this section are ongoing or have been completed within the last three years.

Project Experience

Okaloosa County Airports System General Engineering Consultant (GEC) **OKALOOSA COUNTY, FLORIDA**

In 2003 PBS&J was selected as the GEC for the Okaloosa County Airports System. In this role, we have been responsible for performing airport planning, engineering, and architectural services in support of the capital improvement programs (CIP) at each of the County's three airports. During this five-year period, PBS&J has displayed the ability to complete a multitude of projects with a wide variety of scopes. Projects performed under this contract have



included airfield pavement, roadways, master plans, environmental permitting, drainage modeling, terminal design, and more. As proof of PBS&J's consistent level of quality performance, the base three-year contract was extended for two additional one-year periods.

Under the miscellaneous services portion of this agreement, PBS&J has performed tasks as diverse as presentation exhibits, review of other consultant's work, airspace analyses, conceptual analyses, cost estimating, and much more. Some examples of actual work assignments include the following:

Bob Sikes Airport

- Airport Influence Zone Exhibit
- C-130 Turnaround Analysis
- Citizen's Advisory Committee (CAC) Hangar Economic Development Administration (EDA) Certification
- Erosion Control Assessment
- Erosion Control Product Demonstration
- Future Development Plan
- Hurricane Damage Assessment
- Industrial Park Layout Concept Review
- Industrial Park Parcel Surveys
- Manufacturing Technologies, Inc., (MTI) Site Development Review
- Okaloosa County Water and Sewer (OCWS) Absorption Bed Analysis



- Segars Site Plan Review
- Sunshine Aero Hangar Site Concept

Destin-Ft. Walton Beach Airport (photo below)

- Airspace Conflict Analysis
- Air Quality “Issue” Analysis
- Apron Expansion Analysis
- Air Traffic Control Tower (ATCT) Site Concept Exhibit
- Big Kahuna Balloon Ride Analysis
- Fixed-Base Operator (FBO) Site Review
- Fuel Tank Proposal Review
- Helipad Proposal Concept
- Hurricane Damage Assessment
- Hurricane Stockpile Proposal Review
- Midfield Runup Pad Review
- Precision Approach Path Indicator (PAPI) Replacement Information

Okaloosa Regional Airport

- Airspace Conflict Analysis
- B-747 Tracking Analysis
- Cost Center Exhibit
- Independent consultant fee reviews
- Regional Boarding Ramp Procurement Assistance
- Spill Prevention, Control, and Countermeasure (SPCC) Plan Preparation
- Terminal Additions Concept Analysis
- Terminal Marking Analysis



Client

Okaloosa County Airports System
 Okaloosa Regional Airport
 1701 State Road 85 North
 Eglin Air Force Base (AFB), FL 32542
 Greg Donovan, Airports Director
 Tracy Stage, Project Manager
 Tel: 850.651.7160

Year Completed

2008

Key Team Members

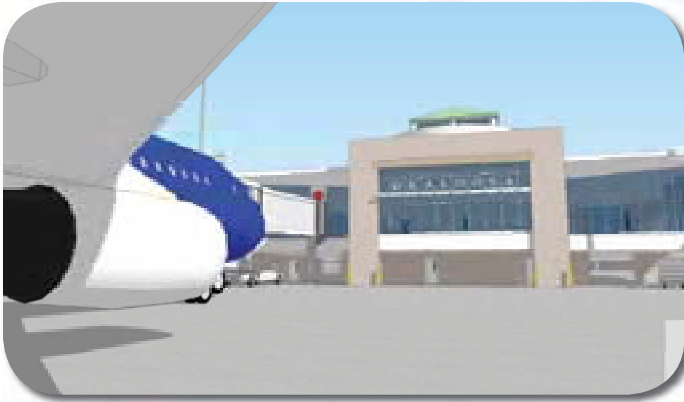
Ronald (Joseph) Cowden, PLS
 Marisol Elliott
 Robert Ensor, PE
 Christopher Hack, PE
 Jonathan Hand
 Rupert Johnson
 Philip LeGrand, CCI, CCPM
 Kevin McCauley, PE
 Nathan Parish, EI
 Jason Ripley, EI
 Thomas Roda, PE
 Daniel Weiss
 Amy Lundin Wooley, PE

Okaloosa Regional Airport Terminal Additions **EGLIN AFB, FLORIDA**

This project includes the addition of approximately 50,000 square feet of various spaces to the existing 110,000-square-foot (approximate) air carrier terminal at Okaloosa Regional Airport, along with related improvements to airside and landside.



The existing terminal, designed by PBS&J and architectural subconsultant Gresham, Smith, & Partners (GS&P), was opened to the public in 2004. Increasing demand for air service in the region made it apparent that a larger facility was necessary. When the time was right, Okaloosa County Airports System reassembled the same design team who provided the first successful project.



PBS&J played a vital role in getting the project off the ground. In conjunction with the Airport Master Plan Update, PBS&J updated the forecast for Okaloosa Regional Airport, including terminal space requirements. PBS&J worked with the Airport to convince the Federal Aviation Administration (FAA) that the project was justified, and FAA gave its approval by authorizing a grant for the design effort.

Several key needs were identified in the project's programming phase that will be addressed by this project. The terminal concourse addition will include three new aircraft gates, raising the total number of gates at the Airport to nine. New restroom and concession facilities will be included in the build-out as well. Ticketing and baggage screening will be increased by 33 percent, and a third baggage claim belt will be added to support the concourse addition. The project also includes a reorganization of the Transportation Security Administration (TSA) passenger screening area, new administrative space build-out, and miscellaneous improvements.

The renovations to the building footprint will require related site improvements on both the landside and airside. The aircraft apron pavement will be removed and reconstructed to meet FAA and National Fire

Protection Agency (NFPA) grading requirements. The existing rental car and employee parking lots will be reconfigured to better serve the new terminal, a new taxi stand will be added to relieve congestion along the curbside, and new landscaping will be added.

This project also includes the design of a new remote overnight (RON) apron for aircraft parking. The approximately 8,500-square-yard Portland cement concrete (PCC) pavement addition to the Airport's existing apron will serve as a parking place for aircraft during construction of the terminal additions. The apron is also adjacent to the Airport's cargo facility, which is under construction and will be used for cargo operations.

PBS&J has also provided funding assistance to the Airport during its application into the Military Airports Program (MAP). With our help, the Airport was approved for MAP funds to pay for the construction of the RON apron. The project's successful completion could open the door to construction funding for the terminal additions.



Client

Okaloosa County Airports System
Okaloosa Regional Airport
1701 State Road 85 North
Eglin AFB, FL 32542
Greg Donovan, Airports Director
Tracy Stage, Project Manager
Tel: 850.651.7160

Year Completed

2010 (estimated)

Key Team Members

Ronald (Joseph) Cowden, PLS
 Robert Ensor, PE
 Christopher Hack, PE
 Jonathan Hand
 Rupert Johnson
 Kevin McCauley, PE
 Adam Moore
 Nathan Parish, EI
 Jason Ripley, EI
 Thomas Roda, PE
 Gresham, Smith & Partners, Inc.
 Larry M. Jacobs & Associates, Inc.

Bob Sikes Airport Runway 17-35 Rehabilitation **CRESTVIEW, FLORIDA**

Located in Crestview, Bob Sikes Airport is a general aviation facility that is owned and operated by the Okaloosa County Airports System. Runway 17-35 is the only runway serving the Airport, along with a single parallel taxiway and many connector taxiways. This project involves the rehabilitation of Runway 17-35's pavement and upgrading of the runway's edge lighting and signage.

Runway 17-35 was originally constructed from 1963 through 1965 and received a 2-inch asphalt overlay in 1982. No additional work was done to the runway before this project started in 2005. To document the runway's pavement condition before rehabilitation, PBS&J prepared a pavement condition survey (PCS) in accordance with United Facilities Criteria (UFC) and FAA guidelines. The PCS found the existing pavement to be in "fair" to "poor" condition, which

indicated a need for immediate repair. The PCS also concluded that the existing pavement distresses were due to environmental conditions and/or were age-related; therefore, an asphalt overlay was the recommended repair option.

In order to assess the runway's total condition, PBS&J completed an analysis of rehabilitation concepts report addressing issues such as airport operations, deviations from FAA standards, pavement rehabilitation alternatives, and a life-cycle analysis. Rehabilitation alternatives ranged from a minimal surface treatment to a complete reconstruction that would address every deficiency. After reviewing the alternatives, completing additional geotechnical investigations, and having discussions with FAA and Okaloosa County Airports System staff, the repair option of variable depth milling and asphalt overlay was selected.



Due to the FAA funding limits for general aviation airport projects, the estimated project costs exceeded projected available grants. FAA only committed to funding 6,500 feet of the 8,000-foot runway due to the agency's interpretation of runway needs relative to the Airport's fleet max. PBS&J performed a construction phasing analysis to determine the most cost-effective manner for the project phasing. Based upon construction cost estimates and available funding, a three-phase approach was deemed most beneficial to meet the client's needs and budget. The first two phases were planned to construct half the runway pavement rehabilitation. The third phase would replace the runway's edge lighting and signage.



PBS&J provided planning, engineering, cost estimating, and construction services for this project. A full-time field inspector assured that the project was constructed to match the design's intent. In addition, PBS&J worked closely with Airport staff to coordinate sensitive construction scheduling as it related to tenants and runway closures.



At FAA's request, this project also included an update of the airport layout plan (ALP) drawing. The ALP had not been updated since

1998, despite ongoing airport development. Formal approvals were requested from FAA for existing conditions that deviated from FAA design standards, but were not able to be corrected by this project.

Client

Okaloosa County Airports System
Okaloosa Regional Airport
1701 State Road 85 North
Eglin AFB, FL 32542
Greg Donovan, Airports Director
Tracy Stage, Project Manager
Tel: 850.651.7160

Year Completed

2009 (estimated)

Key Team Members

John Bass
Ronald (Joseph) Cowden, PLS
Robert Ensor, PE
Rupert Johnson
Kevin McCauley, PE
Nathan Parish, EI
Thomas Roda, PE
Craig Stout
Richard Walls, PE
Daniel Weiss
Amy Lundin Wooley, PE
Cal-Tech Testing, Inc.
Larry M. Jacobs & Associates, Inc.

Okaloosa Regional Airport New Cargo/Maintenance Facility EGLIN AFB, FLORIDA

The master plan for Okaloosa Regional Airport included provisions for an air cargo building facility that could be used to attract potential transit cargo vendors and would allow removal of the existing cargo operations from the air carrier terminal. This 8,000-square-foot air cargo facility was designed as a large, open area with access to both the landside and airside for delivery, shipping, and cargo storage. The area was also designed with provisions to subdivide it into as many as four bays, based on tenant requirements.



During the project's planning stages, it was decided to include an additional 4,000 square feet of office and vehicle bay space for the Airport maintenance staff's use. The vehicle bays are designed for general maintenance of two large vehicles, with sufficient clearance for daily operations and equipment use, and are equipped with a 1-ton overhead hoist crane and a mezzanine area for storage parts.

Interior and exterior finishes were selected based on their suitability for commercial storage and maintenance use. Durability, low-maintenance characteristics, ability to meet work environment requirements, and ability to withstand severe weather conditions were strong considerations. A standing-seam metal roof and ground face concrete block were selected for the exterior, while concrete-painted block was used for the building's interior. The exterior building elements are similar to the existing air carrier terminal and make the facility compatible with its surroundings.

while maintaining functionality. The overhead doors, windows, entry doors with vision panels, and louvers used in the project meet or exceed the standards for impact- and windborne-debris-resistant.



Site design included both landside and airside access, employee parking, drainage, and utilities. The airside design consists of PCC pavement connecting to the existing aircraft parking apron, which is enclosed within a secure fence. Landside paving is a mixture of PCC pavement in the truck-loading areas with asphalt parking and roadways. Water, sewer, telephone, electric, natural gas, and communications were all connected to the building as needed.

During the project's final design, a decision was made to combine this work with the Rental Car Facility and Fuel Farm project, which has been designed by another consultant. The two projects were bid and are being constructed together under the moniker of East Side Development. PBS&J is working closely with the other project consultant to ensure a team atmosphere during the bidding and construction phases.

Client

Okaloosa County Airports System
Okaloosa Regional Airport
1701 State Road 85 North
Eglin AFB, FL 32542
Greg Donovan, Airports Director
Tracy Stage, Project Manager
Tel: 850.651.7160

Year Completed

2009 (estimated)

Key Team Members

Ronald (Joseph) Cowden, PLS
Robert Ensor, PE
Rupert Johnson
Nathan Parish, EI
Thomas Roda, PE
Daniel Weiss
Larry M. Jacobs & Associates, Inc.

Okaloosa County Airports System Airport Master Plan Updates OKALOOSA COUNTY, FLORIDA

The Okaloosa County Airports System consists of three facilities serving various aviation-related needs within Okaloosa County. Okaloosa Regional Airport is a commercial service facility operating in a joint use capacity with Eglin AFB. Bob Sikes Airport is a general aviation facility in Crestview, Florida, that serves mostly cargo and maintenance contract work. Destin-Ft. Walton Beach Airport is a general aviation facility in Destin, Florida, and caters to recreational pilots.



In 1998, PBS&J completed airport master plans for each of the County's three Airports. This project includes updating each of those airport master plans to reflect development during that period as well as updating the CIP for each. This includes developing an inventory of existing facilities, presenting forecasts of growth, assessing the need for additional development, and providing a plan including cost estimates for additional development or rehabilitation.



Under this project, PBS&J provided the Okaloosa County Airports System with updated forecast information allowing them to secure funding for the Terminal Additions project at Okaloosa Regional Airport. The updated peak hour numbers demonstrated that within 15 years, the Airport would be deficient by approximately 50,000 square feet of terminal space.

PBS&J also analyzed critical airspace conflicts between Okaloosa Regional Airport and Destin-Ft. Walton Beach Airport.

Coordination with FAA and FDOT has been a key component of this project.

Client

Okaloosa County Airports System
Okaloosa Regional Airport
1701 State Road 85 North
Eglin AFB, FL 32542
Greg Donovan, Airports Director
Tracy Stage, Project Manager
Tel: 850.651.7160

Year Completed

2009 (estimated)

Key Team Members

Marisol Elliott
Jonathan Hand
Thomas Roda, PE

Bob Sikes Airport Adora Teal Way Extension **CRESTVIEW, FLORIDA**

The Bob Sikes Industrial Park is located in Okaloosa County on property adjacent to the Bob Sikes Airport. Phase I was constructed in 1997 and consisted of six parcels along Adora Teal Way. Ten years later, Okaloosa County had sold all parcels in the existing industrial park and wanted to expand to generate more revenue. This project involved the extension of Adora Teal Way south to John Givens Road, which provided additional industrial park parcels and improved traffic circulation.



The project's initial phase included an alternative analysis for the roadway alignment and industrial park parcel layout. The selected alternative was a 0.77-mile, two-lane road that added an additional eight parcels to the industrial park. PBS&J provided planning, design, permitting, and construction services for the selected alternative. The roadway crossed through a designated wetland area and required a box culvert design and Florida Department of Environmental Protection (FDEP) permitting. In addition to the wetland area, PBS&J performed stormwater design and permitting, and provided coordination between utility companies and Okaloosa Airport Systems staff during the roadway construction.



When the project proceeded to the construction phase, the County was unable to purchase a piece of property designated for the roadway alignment due to clear title issues with the seller. PBS&J quickly provided additional design services to realign the roadway within existing County property. This redesign effort was completed in a timely manner and did not delay the project's construction schedule.

When additional funding became available, PBS&J was able to provide a fast-track utility design to provide water, sewer, and electrical service to the new parcels. This effort made the land more valuable to prospective tenants since needed infrastructure was in place for development.

Client

Okaloosa County Airports System
Okaloosa Regional Airport
1701 State Road 85 North
Eglin AFB, FL 32542
Greg Donovan, Airports Director
Tracy Stage, Project Manager
Tel: 850.651.7160

Year Completed

2008

Key Team Members

John Bass
Ronald (Joseph) Cowden, PLS
Robert Ensor, PE
Rupert Johnson
Philip LeGrand, CCI, CCPM
Nathan Parish, EI
Thomas Roda, PE
Craig Stout
Julie Sullivan
Amy Lundin Wooley, PE
Larry M. Jacobs & Associates, Inc.

Okaloosa Regional Airport South Apron Expansion EGLIN AFB, FLORIDA

In order to improve service at Okaloosa Regional Airport by allowing greater flexibility on the ramp, this project extended the existing 800-foot-wide aircraft parking apron by approximately 125 feet. The project's overall goal was to ensure that the aircraft parking apron was sized appropriately for the planned terminal additions in accordance with the airport master plan.



This project involved a geotechnical investigation, topographic surveying, pavement design, airfield electrical design, construction administration, and construction inspection. Upon completing an alternative analysis, the final project consisted of installing approximately 11,100 square yards of new PCC pavement with new asphalt shoulders, clearing and grubbing, relocated edge lights, relocated intrusion alarm system, grading, sodding, and other related activities. Four new mast-arm lights were also installed along the apron's west edge to improve nighttime visibility on the ramp.



Since the apron expansion occurred along the Airport's two entry taxiways, appropriate construction phasing was a critical project element. PBS&J worked closely with Airport and contractor staff to ensure that Airport operations would not be interrupted.

PBS&J also worked closely with FAA and Airport staff to ensure the project was funded properly. When funding appeared limited, PBS&J provided the design of an alternate construction bid for the apron expansion as an asphalt section. Fortunately, favorable bid prices were received, and the project was constructed with a PCC section.

When the contractor finished the project beyond schedule, PBS&J assisted the County in successfully negotiating liquidated damages to cover costs incurred by the delay.

Client

Okaloosa County Airports System
Okaloosa Regional Airport
1701 State Road 85 North
Eglin AFB, FL 32542
Greg Donovan, Airports Director
Tracy Stage, Project Manager
Tel: 850.651.7160

Year Completed

2007

Key Team Members

Ronald (Joseph) Cowden, PLS
Robert Ensor, PE
Rupert Johnson
Philip LeGrand, CCI, CCPM
Nathan Parish, EI
Thomas Roda, PE
Cal-Tech Testing, Inc.
Larry Jacobs & Associates, Inc.

Winter Haven Municipal Airport New North Terminal Development WINTER HAVEN, FLORIDA

The existing terminal at the Winter Haven Municipal Airport was retrofitted within a commercial hangar originally constructed in the 1940s. For this project, a new terminal was designed to allow the airport to satisfy potential demand over the 20-year planning period. This project involved five key elements: a terminal building, access road, automobile parking, aircraft apron, and access taxiways. The terminal building design included the following elements:

- FBO
- Large and small conference rooms
- Restaurant
- Support spaces
- Flight planning/weather room
- Pilot's lounge
- Pilot's sleeping lounge
- Flight school
- Administration
- Entry lobby
- Retail space
- Recreation area
- Vending area
- Public restrooms



With the City of Winter Haven's slogan, The Chain of Lakes City, in mind, the architects of this facility generated a design that reinforces the theme and provides a sense of arrival, while promoting local attractions and outdoor recreation through displays and artwork. To further enhance the theme, water was incorporated into both interior and exterior design elements.

Site design for the project included design of an entrance road, parking lot, utilities, drainage, aircraft apron, access taxiways, and airfield electrical. Permitting was obtained for FDOT access connection, FDEP wastewater, health department water, Southwest Florida Water Management District (SWFWMD) environmental resource permit (ERP), and various city permits.

PBS&J was also instrumental in assisting the city with obtaining funding for the project and performing value engineering with the contractor.

Client

Winter Haven Municipal Airport
3000 Twenty-First Street, NW
Winter Haven, FL 33881
Cheryl Connor, Airport Director
Tel: 863.298.4551

Year Completed

2008

Key Team Members

Robert Ensor, PE
Rupert Johnson
Adam Moore
Nathan Parish, EI
Thomas Roda, PE
Richard Walls, PE
Amy Lundin Wooley, PE

Extension of Runway 9R-27L

SANFORD, FLORIDA

Until recently, the Orlando Sanford International Airport's configuration of four runways had accommodated air traffic levels reasonably well. However, air traffic congestion and air traffic controller workload became a serious traffic control difficulty. Interaction of the numerous general



aviation (GA) training aircraft in instrument flight rules (IFR) flight plans with increasing domestic and international commercial passenger jet traffic competing for runway space, particularly that of instrument landing system (ILS)-capable Runway 9L-27R, was responsible for growing congestion, delays, and safety concerns at the airport. At the time, Runway 9R-27L was 3,500 feet long and 75 feet wide with a 35-foot-wide parallel taxiway and did not support IFR flight plans. To address these issues, the 2002 Airport Master Plan Update recommended expanding the operational capacity of the airfield to effectively accommodate the increase in traffic expected, as well as the aircraft mix anticipated to use the airport. The plan concluded that the most effective resolution was to extend Runway 9R-27L and install a Category I ILS with a medium-intensity approach lighting system with runway alignment indicator lights (MALSR) for Runway 9R.



This project included design services to extend Runway 9R-27L approximately 2,900 feet to the east, while maintaining the existing width of 75 feet. The existing parallel taxiway was also extended approximately 2,900 feet to the east, while maintaining the existing width of 35 feet. This project also included the design of two connector taxiways. In addition, a Category I ILS with back course approach capabilities and a MALSR approach lighting system was established for Runway 9R. In order to keep the MALSR out of a local lake, the existing 9R threshold was relocated approximately 1,400 feet to the east, while a landing distance of 5,000 feet was maintained using declared distances.

This project also included removing portions of two rural county roads to allow for the extension of the runway. Houses and other structures, if impacted, were removed.

Client

Sanford Airport Authority
Orlando Sanford International Airport
1200 Red Cleveland Boulevard
Sanford, FL 32773-6844
Bryant Garrett, Vice President, Finance/Chief
Financial Officer
Tel: 407.585.4007

Year Completed

2005

Key Team Members

Robert Ensor, PE
Carlos Maeda, PE
Nathan Parish, EI
Thomas Roda, PE
Richard Wall, PE
Amy Lundin Wooley, PE

Luis Muñoz Marín International Airport *Miscellaneous Aviation Experience* **SAN JUAN, PUERTO RICO**

PBS&J has served as the GEC for the Puerto Rico Ports Authority (PRPA) at Luis Muñoz Marín International Airport (LMMIA) since the mid-1990s. During that time, PBS&J has supported at least one project for nearly every area of the airport. Services provided have included environmental sciences, airport planning, airfield engineering, roadway engineering, architecture, construction services, to name a few. Some of the key projects from this relationship have included:

Runway 10-28 Rehabilitation. Runway 10-28, the airport's secondary runway, and its associated parallel and connector taxiway system had been in service for more than 30 years without any significant maintenance or rehabilitation to the pavements.

PBS&J was contracted to perform an evaluation of the pavements, develop a pavement management system, and provide recommendations for rehabilitation. Following a data analysis, PBS&J prepared a report analyzing several alternatives for rehabilitation of the runway and taxiway pavements, along with an economic analysis of the alternatives. The selected rehabilitation method was to rubblize the existing PCC pavement, lay a 2-inch asphalt cement concrete (ACC) leveling/bond breaker course, and then place an unbonded 16-inch concrete overlay of PCC pavement. In certain areas, due to grade transitions to existing pavements, the rehabilitation work also included full-depth reconstruction. PBS&J provided complete construction documents, bidding services, and construction administration for this work.



Dual Midfield Taxiway System Program. During the early 1990s, FAA initiated an airport capacity study to examine both the existing and projected airport and airspace capacity at LMMIA. This study determined that the existing midfield taxiway configuration was insufficient to handle the movement of aircraft and ground vehicles at proposed levels of operation. With the basic needs identified, PBS&J created a development program that included airfield paving, environmental remediation, tenant relocation, utility



improvements, and security in enhancements to improve the airport's midfield area. We are providing complete construction documents for this program.



South General Aviation Area Program. Once it was decided to relocate the tenants from the midfield area, PRPA needed a place to relocate them. PBS&J performed a planning study to develop a new general aviation area consisting of a parallel taxiway to Runway 10-28, along with apron and hangar space. This served to sep-

arate the airport's general aviation traffic from its commercial service traffic. Projects under this program have included the new parallel taxiway, South GA apron, new access road, infrastructure improvements, and developmental standards.

Runway 8-26 Safety Area Improvements Program. This program involves multiple projects with the common goal of improving the substandard safety and operations of Runway 8-26, the airport's primary runway. The program's first component includes the extension of Taxiway Sierra and the Runway 26 safety area, which includes filling a portion of La Torrecilla Lagoon. The second part involves the extension of Runway 8 to provide safety area relief on the Runway 26 end. PBS&J has provided alternative analysis, hydraulic studies, construction documents, bidding support, and construction administration services. Coordination with FAA, U.S. Army Corps of Engineers (USACE), and local agencies has been a critical aspect of this project.

Client

Puerto Rico Ports Authority
G.P.O. Box 36-2829
Calle Lindbergh Isla Grande Sector
San Juan, PR 00936
Fernando Bonilla, Executive Director
Tel: 787.729.8804

Year Completed

2011 (estimated)

Key Team Members

Robert Ensor, PE
Carlos Maeda, PE
Kevin McCauley, PE
Nathan Parish, EI
Thomas Roda, PE
Daniel Weiss
Richard Walls, PE

Gresham, Smith & Partners Project Experience

Myrtle Beach International Airport (MYR)

MYRTLE BEACH, SOUTH CAROLINA

GS&P was chosen to provide architectural and engineering design services for a new 400,000-square-foot terminal complex featuring a three-level terminal structure with a two-level, 14-gate concourse. The terminal was intended to accommodate arriving and departing domestic and international passengers. The arrivals level will include baggage claim, baggage screening and make-up, airline operations, car rental, and Federal Inspection Service operations. The departures level will include air traffic operations (ATO) space, back counter support offices, retail and concession space, and passenger boarding gates. There is also a separate level to accommodate administrative support spaces for authority staff and TSA personnel. The schematic and final design elements of the design-build contract were completed on a fast-track schedule to the complete satisfaction of the airport and the contractor; however, the project was ultimately abandoned prior to construction due to local political decisions with which GS&P was not involved.

Client

Horry County Department of Airports
1100 Jetport Road
Myrtle Beach, SC 2957
Bob Kemp, Airport Director
Tel: 843.448.1580

Year Completed

2007 (design)

Key Team Members

David King, AIA
Wilson Rayfield, AIA
Julia Rayfield, CID

Pensacola Regional Airport (PNS)
PENSACOLA, FLORIDA

To relieve pressure on overcrowded parking conditions, GS&P provided the airport with a new 1,400-space structure for rental cars and public parking. It occupies areas formerly used for short-term parking, as well as a portion of the long-term parking surface lots. The project included rental cars at the grade level, public parking at the upper levels, and an enclosed pedestrian sky bridge connector between the second level of the parking structure and the concourse level of the terminal. As demand for parking continued to increase, GS&P planned for and designed a 1,200-space expansion to the original garage. In addition, GS&P assisted the airport with the design of a terminal expansion including a 90-foot ticket counter expansion, three additional gates, 11 new jet bridges, new baggage claim area, and an in-line electronic data system (EDS) baggage screening system.

Client

Pensacola Regional Airport
2430 Airport Blvd., Suite 225
Pensacola, FL 32504
Frank Miller, Airport Director
Tel: 850.436.5010

Year Completed

Ongoing

Key Team Members

David King, AIA
Wilson Rayfield, AIA
Julia Rayfield, CID
Scott Swanson, CDT, AIA, LEED-AP

Richmond International Airport (RIC)
RICHMOND, VIRGINIA

The story of GS&P's long-standing relationship with RIC is one of planning, patience, and pride. What began as a vision and long-range development plan in 1994 culminated in 2007 with the opening of a brand-new terminal and the rebirth of an airport that once struggled to maintain an identity.

Prior to GS&P's involvement, RIC had some of the highest airfares in the country. Their aircraft gate space was completely leased out and they had no way to attract or accommodate low-cost carriers. Even worse, the airport's aging facilities left a poor first impression on visitors and garnered negative feedback from business prospects and conventioners. It was estimated that RIC was losing as many as 1 million passengers annually to Dulles, Reagan, Norfolk, and other airports in the region. However, thanks in part to a robust air travel economy, RIC was still experiencing a growth in traffic numbers. GS&P was contracted to help the airport develop a vision and conceptual plan for the future. The end result was a long-range programming and development plan that would carry the airport through 2010. The plan addressed a variety of future variables including a growth in enplanements, operational needs, leasable space, revenue projections, construction cost estimates, and funding sources.

The design concept developed by GS&P envisioned a blend of history and the progressive future of the City of Richmond to provide residents and visitors with an airport reflective of the region RIC serves. Over the next 13 years, GS&P set out to turn that vision into reality. Delivered in several distinct phases with more than a dozen major projects completed, GS&P found a way to seamlessly develop the airport, while

maintaining a consistent campuswide image, signage and wayfinding program, and ongoing airport operations. As part of this contract, GS&P completed the following assignments.

- Concourse and Baggage Claim Expansions
- Parking Garages
- Rental Car Garage
- Campus Improvements
- Concourse Expansion
- Parking Garage Expansion
- Elevated Roadway
- Terminal Expansion

The pinnacle of RIC's expansion and renovation program, the new brightly-lit terminal provides two levels and 160,000 square feet of ticketing, baggage claim, and concessions space. With soaring 60-foot ceilings, the terminal is divided into five distinct but visually connected areas that make passenger progression from the entry to the gates simple and intuitive. Two concourses branch off a long central connector and lead through security areas to the departure and arrival gates. In addition, one of the most impressive aspects of the terminal is the fact that it was built literally at the front door of the existing terminal without ever interrupting airport operations.

Client

Capital Region Airport Commission
1 Richard E. Byrd Terminal Drive
Richmond International Airport, VA 23250-2400
Jon Mathiasen, President, CEO
Tel: 804.226.3001

Year Completed

2007

Key Team Members

David King, AIA
Wilson Rayfield, AIA
Julia Rayfield, CID

Okaloosa Regional Airport (VPS)

EGLIN AIR FORCE BASE, FLORIDA

GS&P provided facility planning and comprehensive architectural and engineering design services for the new 110,000-square-foot passenger terminal, which features high-vaulted ceilings, gleaming white wall panels, and an emerald green standing-seam steel roof. Passengers arriving at the landside are greeted by a fully landscaped park that serves as a security buffer between parking and the terminal. The new concourse provides seven gates, holdrooms, concessions, public corridors, airline operation spaces, and a conference center. The main terminal includes a new ticketing lobby and ticket counter, new baggage claim lobby, in-line automated EDS baggage system, ATOs, rental car counters, security checkpoints, concessions, public corridors, and TSA functions. GS&P also provided landside development including the realignment of the terminal access roadway, curb-side canopies, short- and long-term vehicular parking, roadway signage, and landscaping.

Client

Okaloosa Regional Airport
1701 State Road 85 N
Eglin AFB, FL 32542
Terry Curry, Airport Operations Manager
Tel: 850.651.7160

Year Completed

2005

Key Team Members

David King, AIA
Wilson Rayfield, AIA
Julia Rayfield, CID
Scott Swanson, CDT, AIA, LEED-AP



Project Management Organization

PBS&J's strength lies in the quality of our people—
technical professionals who are committed to
providing excellent service to our clients.

PBS&J project managers understand that the ability to successfully complete a project is directly related to the experience, availability, and commitment of the professionals on the team. Selecting the right people for the right assignment is critical to the success of a project. We have assembled an outstanding project team based upon their experience with similar assignments and their knowledge of the three Okaloosa County Airports. This team offers continuity, consistency, and the ability to meet the needs of the Okaloosa County Airports System. The team is made up of long-term PBS&J employees and subconsultants who have built solid relationships working together on many similar projects. This team will provide excellent service to Okaloosa County.

For your convenience, highlights and qualifications of our key team members are provided in the following paragraphs. Resumes, including title, project assignment, years of experience, education, and professional registration, for each team member are included at the end of this section. A depiction of our team's organizational structure appears on the following page.

Key Personnel

Jeffrey Helms, PE PRINCIPAL-IN-CHARGE

Mr. Helms currently serves as vice president and transportation division manager for northwest Florida. Based in Pensacola, Mr. Helms oversees all transportation design projects in northwest Florida. In addition, he also serves as the Gulf Coast district director overseeing PBS&J's operations and presence throughout northwest Florida. He has 22 years of professional engineering



experience in project development, public involvement coordination, utility coordination, preliminary and final plans preparation, geometric design, and stormwater drainage design for major and minor transportation projects. Mr. Helms has served as project manager for more than 30 Florida Department of Transportation (FDOT) District Three projects. He is the vice-chair of Florida's Great Northwest board of directors, and is active in many regional organizations such as Opportunity Florida and the Workforce Innovation and Regional Economic Development (WIRED) Governance Council. As the principal-in-charge for this contract, Mr. Helms will be responsible for ensuring that the team has all the available resources necessary to complete project assignments on time, under budget, to the PBS&J standard of quality, and to the County's satisfaction.

Thomas Roda, PE PROJECT MANAGER; AIRFIELD/CIVIL ENGINEERING

Mr. Roda currently serves as the group manager for PBS&J's national aviation services group in Tampa. He has nearly 12 years of aviation-related experience in engineering, planning, construction, and management of projects. His expertise includes the design of new runways and taxiways, design of pavement rehabilitation projects, design of airport aprons, airport-related building projects, roadways and associated drainage for new airports, and construction administration. Mr. Roda has served as the project manager on several Okaloosa County Airports projects including the Okaloosa Regional Terminal Additions, Bob Sikes Runway 17-35 Rehabilitation, Okaloosa Regional South Apron Expansion, Okaloosa Regional New





Okaloosa County Airports System

Principal-in-Charge

Jeffrey Helms, PE

Project Manager

Thomas Roda, PE

On-Site Representative

Rupert Johnson

Quality Assurance/ Quality Control

Robert Ensor, PE

Other Key & Support Professionals

Airfield/ Civil Engineering

Thomas Roda, PE
Kevin McCauley, PE
Nathan Parish, EI
Daniel Weiss

Airport Planning

Marisol Elliott
Jonathan Hand

Construction

Rupert Johnson
Philip LeGrand, CCI, CCPM
John Bass

Architecture

David King, AIA ¹
Wilson Rayfield, AIA ¹
Scott Swanson, CDT,
AIA, LEED-AP ¹

Environmental Services

Julie Sullivan
Craig Stout

Landscape Architecture

Adam Moore

Geotechnical Services

Larry Jacobs, PE ³
Keith Jacobs, PE ³
Wayne Hygema ⁴
Terry Hygema ⁴
Richard Kramer ⁴

Surveying

Ronald (Joseph) Cowden, PLS

Grant Assistance

Carlos Maeda, PE
Rupert Johnson

CADD Support

Dave Seslar ²
Kristen Matija ²

Airfield Electrical

Richard Walls, PE

Mechanical, Electrical, Plumbing (MEP) Engineering

Gresham Smith & Partners

Structural Engineering

Gresham Smith & Partners

Interior Design

Julia Rayfield, CID ¹

Drainage/Permitting

Christopher Hack, PE
Amy Lundin Wooley, PE
Jason Ripley, EI

Subconsultants

1=Gresham Smith & Partners

2=CAD Concepts, Inc. (DBE)

3=Larry M. Jacobs & Associates, Inc.

4=Cal-Tech Testing, Inc. (MBE)

Cargo/Maintenance Facility, and the Airport Master Plan Updates. As project manager for this contract, Mr. Roda will oversee the day-to-day activities of the various project teams and be the main point of contact with Airport staff. He will monitor schedules and staff needs to ensure that deliverables are met with a consistent level of quality.

Rupert Johnson

ON-SITE REPRESENTATIVE

Mr. Johnson has more than 20 years of experience in aviation-related construction management services. His expertise encompasses all areas of professional and technical experience in project management, contract administration, design, inspection, planning and scheduling, procurement, and maintenance. He has had broad exposure to all facets of the management of capital programs from both a technical and managerial perspective. He was the project manager during construction of the terminal building at Okaloosa Regional Airport responsible for monitoring the project schedule and budget. His closeout package for the terminal program was responsible for earning the County approximately \$935,000 in additional discretionary grants. Since that time, he has overseen multiple construction projects including the Adora Teal Way Extension, Bob Sikes Runway 17-35 Rehabilitation Phase 1, and South Apron Expansion at Okaloosa Regional Airport. Mr. Johnson is a resident of Crestview and works out of the PBS&J field office at Okaloosa Regional Airport. He serves as an on-site extension of Airport staff providing technical assistance on many tasks outside specific project requirements. He will remain at the Airport to serve as an extension of Airport staff and to manage construction projects.



and construction experience in site development, transportation, and utility infrastructure. He also has more than 20 years of project management, technical support, planning, design, and construction management experience on a wide range of aviation landside and airside planning and development projects at commercial service, general aviation, and military facilities. His experience includes several current and past Okaloosa County Airports projects. Mr. Ensor will be in charge of quality assurance/quality control (QA/QC) reviews of project deliverables for conformance to PBS&J's standards.



Carlos Maeda, PE

GRANT ASSISTANCE

Mr. Maeda is an associate vice president in PBS&J's national aviation services division. He has more than 29 years of progressively responsible experience in transportation and public infrastructure, planning, design, and construction management projects. His professional background includes work with the Federal Aviation Administration (FAA) as a program manager, technical expert, and principal advisor for all airport planning and engineering-related programs for large metropolitan areas; management of airport development projects funded under the airport improvement program (AIP) and Passenger Facility Charge (PFC) Program; and experience in airport planning and engineering, compatible land use, noise, and environmental planning. Mr. Maeda provides a valuable resource regarding relationships with FAA and its funding programs.



Robert Ensor, PE

QUALITY ASSURANCE/QUALITY CONTROL

Mr. Ensor is a senior engineer in PBS&J's national aviation services division, where he serves as a national technical resource responsible for standards of quality. He has 32 years of planning, design,

Marisol Elliott

AIRPORT PLANNING

Ms. Elliott is currently directing the operations of PBS&J's national aviation planning group. She has more than 15 years of aviation planning experience acquired through various projects at several large/medium-hub commercial service and general aviation

airports. Her diverse background has provided her with a variety of experience within the aviation industry including airport master planning; airside, terminal, and landside feasibility studies; and project management. Ms. Elliott's current general responsibilities with PBS&J include the management and/or production of airport planning projects. She is currently managing the planning efforts on the Okaloosa County Airports Master Plan Updates and will assist with any future planning-related activities at Okaloosa County Airports.



Christopher Hack, PE
DRAINAGE/PERMITTING

Mr. Hack is a drainage engineer specializing in drainage design for transportation projects. He has more than 26 years of drainage and permitting experience, 16 years of which were with FDOT's Bartow, Chipley, and Tallahassee offices. Mr. Hack has designed drainage features such as stormwater ponds, cross drain culverts, storm drain systems, roadside ditches, and bridge hydraulics. He has used software including AdICPR, Ponds, WSPRO, and HEC-RAS to assist in the drainage designs. In addition to his drainage experience, Mr. Hack has considerable expertise in the field of project management and supervision of roadway design crews. He prepared a stormwater master plan for the Destin-Ft. Walton Beach Airport and has led drainage design efforts on Okaloosa Regional Airport projects. He will serve as the lead drainage and stormwater permitting professional for this assignment.



Julie Sullivan
ENVIRONMENTAL SERVICES

Ms. Sullivan serves as group manager for PBS&J's central Florida sciences program. She has extensive experience in wetland delineation, uniform mitigation assessment method, wetland rapid assessment procedure, wetland permit



determinations, listed species permitting, and the application of federal, state, and local government environmental permitting rules and statutes. Her knowledge includes native Florida flora, fauna, and ecosystems including wetland soils and plants, as well as aquatic vegetation. She is also an expert in mitigation determinations and mitigation planning, design, and implementation. Ms. Sullivan is active in PBS&J's National Environmental Policy Act (NEPA) work group and performs extensive federal NEPA coordination services for a number of clients and federal action agencies. She has previously led environmental-related efforts at the Bob Sikes Airport and will serve as the lead environmental scientist for this effort.

Richard Walls, PE
AIRFIELD ELECTRICAL

Mr. Walls has more than 17 years of experience as an electrical project manager working exclusively in the areas of design, installation, and construction of aviation lighting systems. Mr. Walls has a comprehensive understanding of the aviation lighting industry, and has developed excellent technical and administrative problem-solving skills through his experience working with large commercial service and general aviation airports, manufacturers of airport lighting equipment, contractors, FAA, and other consultants within the industry. He has the ability to conceptualize, present, and implement ideas that offer practical technical solutions and provide the airports and the FAA with long-term solutions to key issues. Mr. Walls received national recognition as the recipient of the Shay Lean Memorial Award for best technical presentation at the 2004 Illuminating Engineering Society (IES) - Aviation Lighting Conference. His experience includes projects at Okaloosa Regional and Bob Sikes Airports.



Ronald (Joseph) Cowden, PLS

SURVEYING

Mr. Cowden is a survey manager with 24 years of multidisciplinary experience in land surveying, engineering, and construction management. As a licensed professional surveyor and mapper in the states of Florida and Alabama, he has surveying credentials that extend throughout the residential, commercial, and industrial construction fields. He has managed and led the data-collection efforts of major public, private, and government projects involving airports and other transportation-related developments. His areas of expertise include project management, surveying technologies, and computer aided design and drafting (CADD). He has previously directed topographic and boundary surveying efforts at all three Okaloosa County Airports.



Subconsultants

Gresham, Smith and Partners

MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEERING; STRUCTURAL ENGINEERING; ARCHITECTURE; INTERIOR DESIGN

Gresham, Smith and Partners (GS&P) was founded in Nashville, Tennessee, in 1967. For more than 40 years, the firm has provided architectural expertise and a complete range of building-related engineering services to its clients. GS&P focuses on success by providing the best aesthetic and functional design solutions for each project. Each member of GS&P's proposed team has experience relative to this project and will assure the success of the County's goals. The firm's clients include airports, airlines, governmental authorities, and state agencies. GS&P's history of exceeding the expectations of its clients has resulted in repeat work from many clients.



Aviation Planning and Design

GS&P has designed airport terminals, aircraft maintenance facilities, parking structures, and terminal additions for large metropolitan airports and smaller regional facilities. GS&P offers qualifications and aviation services in the following areas:

- General aviation terminals
- Terminal renovations and replacements
- Concourse gate expansions
- Parking garage structures
- Rental car facilities
- Federal inspection stations
- Airline facility/speciality clubs
- Air cargo facilities
- Terminal roads/bridges/parking lots
- Concessions revenue enhancement

Architectural/Engineering Technical Services

GS&P has the capabilities to provide the following technical design services:

- Architecture
- Interior design
- Environmental graphics
- Master planning
- Space planning
- Site location analysis
- Landscape architecture
- Construction administration
- Program management
- Civil engineering
- Electrical engineering

GS&P previously provided architectural and related design services for the terminal building at Okaloosa Regional Airport and conceptual design services on the FBO terminal at Destin-Ft. Walton Beach Airport. The firm is currently providing architectural and related services on the design of the Terminal Additions project at Okaloosa Regional Airport. As part of the PBS&J team, GS&P will continue to provide these services on future Okaloosa County Airports projects.

David King, AIA

As the division vice president for the mid-Atlantic division of GS&P, Mr. King is responsible for ensuring that resources are provided to complete all project commitments, and that the services rendered fulfill the client's requirements. His background includes experience with a wide range of aviation projects, both new and renovated, including significant previous experience at Okaloosa Regional, Richmond International, Stafford International, Pensacola, and Tri-Cities Regional Airports.

Cal-Tech Testing, Inc. (MBE) GEOTECHNICAL SERVICES

Cal-Tech Testing, Inc., was established as an engineering and construction materials testing firm in 1980 by Calvin and Linda Creamer. It is headquartered in Lake City, Florida, with offices in Jacksonville and Quincy, Florida. The firm has followed the philosophy of delivering quality service in a timely manner based on state-of-the-industry field testing and data-gathering techniques. Over the last several years, the firm has grown in size and expertise with additional engineering and field services to meet the highly specialized needs of the construction, engineering, and environmental marketplace.



Cal-Tech corporate headquarters is housed in a modern facility using more than 10,000 square feet. It is the home base for 55 highly trained and skilled staff members. The firm's team is made up of civil, bituminous, environmental, and geotechnical engineers; certified field and laboratory technicians; certified asphalt plant and roadway inspectors (FDOT and Georgia Department of Transportation [GDOT]); as well as project managers, project engineers, office engineers, and administration staff.

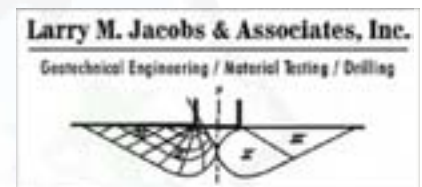
Cal-Tech maintains fully operational drill rigs for performance of standard penetration test borings, auger borings, rock coring, and monitoring well installation. The firm also performs dynamic cone penetrometer, static cone penetrometer and foundation

evaluation, design, and recommendation. Other tests include field permeabilities, double-ring infiltrometer, consolidations, and many more.

Cal-Tech has previously provided quality assurance testing in accordance with FAA requirements on projects at Okaloosa Regional and Bob Sikes Airports. As part of the PBS&J team, they will continue to provide these services on future Okaloosa County Airports projects.

Larry M. Jacobs & Associates, Inc. GEOTECHNICAL SERVICES

Larry M. Jacobs & Associates, Inc. (LMJ&A), is recognized as one of the most qualified and experienced geo-



technical engineering firms in the Gulf Coast area. They specialize in providing superior quality geotechnical engineering, construction materials testing, and drilling services throughout the Gulf Coasts of Florida and Alabama. LMJ&A has completed thousands of successful projects including airports, airport runways, aprons, traffic control towers, and taxiways; shopping centers and malls, land developments and high-rise condominiums; paper mills, chemical plants, wastewater treatment plants, and manufacturing plants; governmental centers, courthouses, schools, maintenance facilities, ports, and waterfront facilities; and military airfield, roadway, office, maintenance, warehouse, training, housing, and wastewater treatment facilities. In order to meet the individual needs of clients, LMJ&A maintains a wide range of certifications and qualifications, as well as it maintains a conscientious program of continuing education to provide current, up-to-date services to clients.

LMJ&A's in-house drilling department has been providing the southeast with exceptional quality drilling services for more than 30 years and has drilled for more than 5,000 subsurface explorations in the Gulf Coast area. The firm maintains superior equipment, including three full-sized, truck-mounted drill rigs,

various sizes of portable tripod drill rigs and portable drilling equipment for those sites that demand special access/minimal disturbance, a waterborne drilling platform for drilling over the water, an all-terrain vehicle, and additional trailer- and truck-mounted water tanks. Most importantly, LMJ&A's drillers have vast experience with drilling in local conditions and recognizing local concerns, which translates into better data collected during our explorations.

LMJ&A has provided pre-design geotechnical investigations on a wide variety of projects at all three Okaloosa County Airports, including the Okaloosa Regional Airport Terminal Additions and Bob Sikes Airport Runway 17-35 Rehabilitation projects. LMJ&A is the leading expert on pre-design testing at the Okaloosa County Airports and will continue in that capacity as part of the PBS&J team.

CAD Concepts, Inc. (DBE)

CADD SUPPORT

CAD Concepts, Inc. (CCI) is a certified disadvantaged business enterprise (DBE) with FDOT. CCI is based in Columbus, Ohio with branch offices in Jacksonville, Florida, and Cleveland, Ohio. Additionally, CCI plans to open a Niceville, Florida, office in the near future. CCI provides engineering and architectural support services with extensive experience working in CADD, geographic information systems (GIS) design and development, field work, project administrative services, and project scheduling. Since its establishment in 1984, CCI has worked on numerous aviation projects throughout the United States. CCI currently employs 14 engineering technicians, 1 administrative assistant, 3 project managers, 1 accounting manager, and 1 executive officer.



Office Location

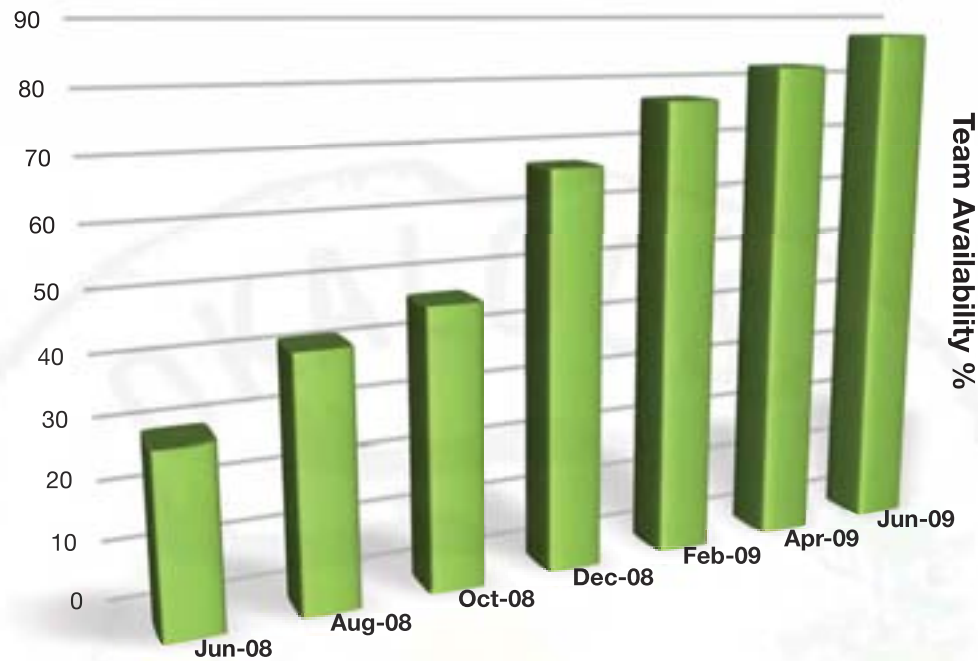
PBS&J's Tampa office will serve as the primary management and production office for Okaloosa County's Architectural, Engineering, Aviation Planning, and Construction Services for Okaloosa County Airports System contract. Our Tampa office is located at 5300 West Cypress Street, Suite 200, in the Westshore Business District/Tampa International Airport area. Our proposed on-site representative, Mr. Johnson, is located in our field office at Okaloosa Regional Airport. This convenient location will facilitate frequent face-to-face meetings with County staff, regular oversight of project activities through frequent site visits, and immediate response for situations that may require rapid reaction times. PBS&J's Pensacola, Orlando, Tallahassee, and Panama City, Florida offices, as well as our Raleigh, North Carolina, office, are also represented on the project team organizational chart. Personnel in these offices will assist with project production and communications as needed throughout the project.



Availability/Workload

The PBS&J team is currently working at nearly 70-percent capacity with many of our current assignments consisting of ongoing projects for Okaloosa County Airports. Our forecasted workload fits well with the start-up of Okaloosa County's anticipated airport development under this contract. Therefore, we are well prepared and ready to accommodate the workload associated with these projects.

■ Key Staff Availability



Current commitments indicate that our project team's availability increases from 30 percent to nearly 90 percent over a one-year period, as summarized in the availability chart above. PBS&J commits this team to the County, along with any additional resources that are needed to meet the County's schedule and technical requirements for these projects.

In addition to the staff identified in this proposal, PBS&J has nearly 4,000 nationwide professionals including 1,600 employees in Florida that can assist with project assignments. PBS&J has more than 200 professionals in four of our offices, making us the largest engineering employer in northwest Florida. We have more than ample capacity for this contract based on anticipated project schedules. Given the extensive resources and expertise of PBS&J, we are confident in our ability to serve Okaloosa County and the Okaloosa County Airports System.

Project Management

Once the team is assembled, quality management of the assignment is absolutely essential to meet the client's goals and objectives. PBS&J takes pride in fostering a team approach with clients to ensure that quality project management can be achieved. Our process of quality project management can be summarized as developing a plan, executing the plan, and evaluating the plan.

Developing a Plan

The most important part of managing a project is ensuring that everyone involved has a clear understanding of the project goals and objectives prior to commencing work. When developing a concept for a project, PBS&J's proposed project manager, Mr. Roda, will sit with Airport staff to discuss what needs to be accomplished, how much time is available, and what the cost implications will be. These three factors typically lay the foundation for a successful project. When everyone has a clear understanding of these issues, the project is off to a good start.

Using the input from Airport staff, PBS&J develops a project control plan (PCP) for each of our projects. This PCP outlines the goals and objectives, along with the roles and responsibilities of each of the team members. The PCP includes the scope of work, project schedule, and any budgetary constraints.

When developing the plan, it is also important to consider any external forces that may affect the project. FAA regulations, FDOT requirements, Airport staff wishes, tenant demands, permit issues, etc., can all influence the demands and outcome of a project. The PBS&J team has a wealth of experience dealing with each of these external forces in Okaloosa County and throughout northwest Florida. Being able to anticipate and quickly react to external forces can save valuable time and money on a project.

Executing the Plan

Once the plan is developed, it is important to execute the plan. It is the project manager's responsibility, assisted by the appropriate technical leads, to monitor scope, schedule, and budget throughout the project. The keys to executing a proper plan include proper use of resources and constant communications.

For projects of this nature, people are our resources. The importance of having the right people performing the right tasks cannot be overstated. The PBS&J team has the right balance of general experience, knowledge of the Okaloosa County facilities, and passion for quality work that make them a fit for this assignment. Throughout the duration of the project, it will be the responsibility of our project manager, Mr. Roda, assisted by the principal-in-charge, Mr. Helms, to ensure that the proper resources are assigned to the proper tasks.

Constant communication is also essential to executing the plan. Our pledge is to stay in constant communication with Airport staff for maximum responsiveness to your requirements and needs. Mr. Roda will be available, as needed, for face-to-face communications. He may also be contacted through e-mail, cell phone, voice mail, fax, and/or U.S. mail. Mr. Johnson will also be available at the PBS&J office

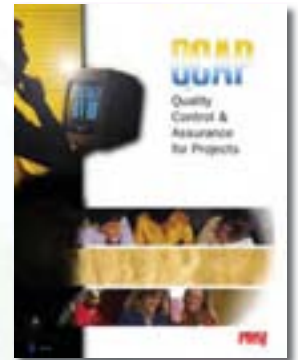
at Okaloosa Regional Airport for rapid attention to issues. Good communications are critical for providing the efficiency, schedule adherence, and quality deliverables that ultimately lead to successful projects. The PBS&J team will strive to maintain constant communications with Okaloosa County for the duration of this contract.

Evaluating the Plan

The third component of successful quality project management provides that the original goals and objectives are met. PBS&J has an established Quality Control & Assurance for Projects (QCAP) manual that specifies procedures for quality control review of data, calculations, and documents; and establishes a mechanism

for tracking, documenting, auditing, and evaluating our performance in adhering to and carrying out our QC plan. Peer reviews are performed on projects that involve unusual complexity, importance, innovative requirements, potential liability exposure, or other similar characteristics. Reviewers are selected based on their experience, qualifications, and licensing status, and are directed to not only ensure that the reviewed work conforms to the project requirements, but also to recommend alternatives meriting further evaluation by the originating project team. For this assignment, Mr. Ensor will establish the QC plan and make sure that the proper procedures are followed on project deliverables.

PBS&J will also work closely with Airport staff to constantly evaluate progress and performance throughout the duration of the project. Frequent project meetings and weekly status report updates are key to ensuring that goals and objectives are continually met. If it is found that progress is drifting from the original plan, PBS&J will work closely with Airport staff to take quick and decisive corrective action.



Subconsultant Management

The PBS&J team approach involves the substantial use of subconsultants. Part of helping our clients meet their goals and objectives is ensuring that the proper resources are in place. Sometimes this involves reaching out to a technical expert that we don't have on staff. We have vast experience selecting and managing subconsultants on nearly all of our projects including those within Okaloosa County. As a result of this experience, our subconsultant management methods are highly refined and proven successful.

PBS&J will retain all contractual, technical, and financial control of the project and manage all aspects of the work assigned to the PBS&J team by the client. All subconsultants will be required to identify a single point of contact to facilitate clear communications. All subconsultant task assignments will be issued by PBS&J in writing, and clearly and tightly defined. In addition, PBS&J will clearly state all assumptions applied in deriving the scope, cost, and schedule so that legitimate change orders can be clearly identified and disputes will be precluded. PBS&J will require all subconsultants to meet progress reporting requirements and will periodically perform unannounced audits of progress, safety, and quality. Variances from technical, budget, or schedule requirements will be identified at an early state of development, and PBS&J will oversee the development and implementation of corrective action. Subconsultants having responsibility for the collection of data or preparation of input to reports will be required to document, store, and report such information in strict compliance with PBS&J's requirements, thereby ensuring compatibility of documentation techniques and eliminating costly data reentry.

The PBS&J team shown in this proposal includes four subconsultants that were handpicked for the assignments anticipated under this contract. We have a strong history of working with many other firms throughout the region and can always bring additional subconsultants to the team, as appropriate or as requested.

Minority Business Enterprise (MBE)/ Disadvantaged Business Enterprise (DBE)

Although not a state-certified MBE, PBS&J has a corporate philosophy that promotes fair and equitable consideration and utilization of MBE subcontractors, suppliers, or vendors in support of all company programs. We maintain a Minority Business Development Plan that is filed annually with the State of Florida Department of Management Services. PBS&J's MBE program is an integral part of our corporate operations and provides a vital link between PBS&J and the minority business community. The MBEs that have participated in our projects have also been the recipients of a significant transfer of technology, expertise, and hands-on experience from PBS&J. This reflects PBS&J's corporate commitment to the use of a "mentoring" approach with our MBE subconsultants, and has enabled some MBEs to obtain and retain a foothold in other areas of the consultant community.



To summarize, it is PBS&J's corporate policy to:

- Conduct a program that will enable MBEs to be considered fairly as subcontractors and suppliers on projects undertaken by the firm.
- Provide adequate and timely consideration of the potential usage of MBEs.
- Assure that MBEs will have an equitable opportunity to compete for subcontracts or to provide services.
- Take affirmative action, where necessary, to ensure that the policy is adhered to in all instances.

In addition to the support and utilization of disadvantaged business firms on our projects, PBS&J's disadvantaged business commitment is further demonstrated by our minority scholarship program.

For the past 14 years, PBS&J has sponsored a minority scholarship program for college students who are interested in pursuing a degree in civil or environmental engineering. Each year, PBS&J issues an average of 13 scholarships for \$4,000 to minority students who apply and are selected for the program. Recipients of this program are often invited to work as summer interns and later to advise PBS&J of their availability to work full-time after graduation. This program and other corporate initiatives have made PBS&J one of Florida's leading employers in the utilization of minority individuals and minority firms.

MBE Utilization

PBS&J strives to build long-term relationships with MBE/DBE firms through our work in the engineering industry. We make every effort to meet or exceed established MBE/DBE usage goals on each project we undertake. In keeping with PBS&J's policy regarding the use of MBE/DBE firms on our projects, we are pleased to include CAD Concepts, Inc., (CCI) to provide CADD support, and Cal-Tech Testing, Inc., to provide geotechnical services. Copies of CCI's and Cal-Tech's DBE/MBE certifications are provided on the following pages.





Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE C. KOPELOUSOS
SECRETARY

July 19, 2007

Certified Mail – Return Receipt Requested

Cad Concepts, Inc.
Ms. Joyce K. Johnson
1328 Dublin Rd., Suite 201
Columbus OH 43215

ANNIVERSARY DATE – Annually On July 12

Dear Ms. Johnson:

The Florida Department of Transportation [FDOT] is pleased to announce that your firm is certified under the **Florida Unified Certification Program [UCP]** as a **Disadvantaged Business Enterprise [DBE]** in accordance with Part 49 Section 26, Code of Federal Regulations.

DBE certification is continuing, but is contingent upon the firm maintaining its eligibility annually through this office. You will be notified of your annual responsibilities in advance of the **Anniversary Date**. You must submit the annual **AFFIDAVIT FOR CONTINUING ELIGIBILITY** no later than the **Anniversary Date**. Failure to do so will result in immediate action to decertify the firm.

Only those firms listed in the UCP DBE Directory, are certified by Florida UCP Members. **Prime contractors and consultants should verify your firms DBE certification status, and identify the only work area(s) for which the firm is DBE eligible, through this Directory.**

Your firm will be listed in Florida's UCP DBE Directory which can be accessed via the internet, at <http://www.bipincwebapps.com/biznetflorida/> or through The Department' website at www.dot.state.fl.us/equalopportunityoffice, then select "DBE Directory."

DBE certification is **NOT** a guarantee of work, but enables the firm to compete for, and perform, contract work on all USDOT Federal Aid (FAA, FTA and FHWA) projects in Florida as a DBE contractor, sub-contractor, consultant, sub-consultant or material supplier.

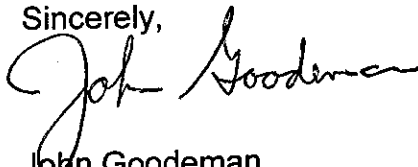
If, at any time, there is a material change in the firm, including, but not limited to, ownership, officers, Directors, scope of work being performed, daily operations, affiliations with other businesses or individuals or physical location of the firm, you must notify this office, in writing, within (30) days. Notification should include supporting documentation. You will receive timely instruction from this office as to how you should proceed, if necessary.

Your firm is eligible to compete for, and perform, work on all USDOT Federal Aid projects throughout Florida, and may earn DBE credit for work performed in the following areas:

NAICS:	FDOT Specialty Code & Description
541340	947-CADD Services

Questions and concerns should be directed to this office by mail or telephone. Our telephone number is (850) 414-4747. Our Fax number is (850) 414-4879.

Sincerely,



John Goodeman
DBE Certification Manager



State of Florida
Minority Business Enterprise
Certification

Cal-Tech Testing, Inc.

is certified as a Minority Business Enterprise under
the provisions of Chapter 287, Florida Statutes for
a one year period from:

December 31, 2007 to December 31, 2008


Executive Director

Florida Department of Management Services
Office of Supplier Diversity

Thomas E. Roda, PE

Project Manager

PBS&J

Education

B.C.E., Civil Engineering, Georgia
Institute of Technology, 1999

Registrations/Licenses

Professional Engineer
Florida 60235, 2003

A project manager for PBS&J's national aviation services group, Mr. Roda has nearly 12 years of aviation related civil engineering experience in design, planning, and construction administration of projects. Mr. Roda's project experience includes:

Continuing Professional Planning, Engineering, and Consulting Services, Okaloosa County Airports, Okaloosa County, Florida. Mr. Roda is currently serving as project manager and lead airfield engineer for several airside, landside, and architectural development task orders at Okaloosa Regional Airport, Bob Sikes Airport, and Destin-Ft. Walton Beach Airport under Okaloosa County's current Airport General Consulting contract. In this capacity, he is responsible for all active task orders associated with the current GEC contract.

Terminal Additions, Okaloosa County Airports System, Okaloosa Regional Airport, Eglin, AFB, Florida. Mr. Roda is the project manager and lead airfield engineer for this \$20 million project to expand the existing air carrier terminal at Okaloosa Regional Airport. The project includes architectural, mechanical, electrical, plumbing, structural, and civil site design. The terminal additions consist of approximately 50,000-square feet of miscellaneous space including concourse gates, ticketing, baggage screening, baggage claim, and administrative space. Site improvements include entrance road realignment, parking lot reconfiguration, and aircraft ramp reconstruction. Mr. Roda is responsible for airside and landside site design and project management throughout.

Airport Master Plan Updates, Okaloosa County Airport Systems, Okaloosa County, Florida. Mr. Roda is the project manager for this project to update the Airport Master Plans for each of Okaloosa County's three airports: Okaloosa Regional Airport, Bob Sikes Airport, and Destin-Ft. Walton Beach. The Master Plan updates include developing an inventory of existing facilities, presenting forecasts of growth, assessing the need for additional development, and providing a plan, including cost estimates, for additional development or rehabilitation. He is responsible for project management and quality control reviews.

New Cargo/Maintenance Facility, Okaloosa County Airports System, Okaloosa Regional Airport, Eglin AFB, Florida. Mr. Roda is the project manager and civil engineer for this \$2.5 million project to construct a new cargo/maintenance building at the airport. The project includes architectural, mechanical, electrical, plumbing, structural, and civil site design for a 12,000-square foot building intended for use by cargo related tenants and airport maintenance staff. He was responsible for the site design and project management throughout.

Runway 17-35 Pavement Rehabilitation, Okaloosa County Airports System, Bob Sikes Airport, Crestview, Florida. Mr. Roda served as project manager and engineer of record for this \$7 million project to rehabilitate the existing 8,000-foot by 150-foot runway pavement. The project included variable depth asphalt milling, asphalt overlay, pavement reconstruction, crack repair, marking, signage, and airfield lighting improvements. He was responsible for airfield design and project management throughout the project. He also developed a comprehensive phasing program to construct

the improvements in three phases due to limited federal funding available. Tenant coordination was also a key component of the project to keep the airport operational while working on the airport's only runway.

Runway 17-35 Rehabilitation Alternative Analysis, Okaloosa County Airports System, Bob Sikes Airport, Crestview, Florida. Mr. Roda was associate project manager and lead airfield engineer for this study of rehabilitation options for Runway 17-35 at Bob Sikes Airport. This project included the gathering of site-specific information, a pavement condition survey, analysis of aircraft activity, analysis of nonstandard grading characteristics, development of rehabilitation options, and preliminary design of the preferred option. He was responsible for the pavement condition study, alternatives analysis, subconsultant management, Federal Aviation Administration (FAA) coordination, and preliminary design.

South Apron Expansion, Okaloosa County Airports, Okaloosa Regional Airport, Eglin AFB, Florida. Mr. Roda was the project manager and engineer of record for this \$3 million project to expand the existing apron at this commercial service airport. The project included concrete and asphalt pavement, drainage, airfield lighting, marking, mast arm lighting, and an airfield intrusion alarm design. He was responsible for airfield design and project management throughout the project

Adora Teal Way Extension, Okaloosa County Airports System, Bob Sikes Airport, Crestview, Florida. Mr. Roda served as project manager during the construction of this \$2 million project to extend Adora Teal Way 0.77 miles. This project was necessary to expand the Bob Sikes Industrial Park by nearly doubling its size. The project included roadway design, drainage design and permitting, structural box culvert design, environmental permitting, and utility design.

Taxiway Echo Rehabilitation, Okaloosa County Airports, Destin-Ft. Walton Beach Airport, Destin, Florida. Mr. Roda served as associate project manager and lead aviation engineer on this emergency \$300,000 Okaloosa County project to correct geometric deficiencies at an existing taxiway intersection. The project consisted of the demolition and reconstruction of a portion of asphalt taxiway at the intersection of the parallel taxiway; relocation of taxiway edge lights; stormwater pipe repair; and removal of a wind cone and segmented circle. He was responsible for design, construction plans and specifications, engineer's report, and FAA and client coordination.

Continuing Professional Planning, Engineering, and Consulting Services, Winter Haven Municipal Airport, Winter Haven, Florida. Mr. Roda is currently serving as project manager for several airside/landside development task orders under the City of Winter Haven's current Airport General Consulting contract.

New North Terminal Development, City of Winter Haven, Winter Haven Municipal Airport, Winter Haven, Florida. Mr. Roda served as the project manager and lead airfield engineer for this \$8 million terminal project at a general aviation (GA) airport. The project included an approximately 13,000-square-foot terminal building, parking lot, aircraft apron, and connecting taxiways. Architectural, mechanical, electrical, plumbing, structural, and civil site design were all aspects of this project. He was

responsible for airfield design of the apron, civil design of the parking lot, and project management for the completion of the building.

North Terminal Apron and Taxiway F, City of Winter Haven, Winter Haven Municipal Airport, Winter Haven, Florida. Mr. Roda served as the lead engineer and engineer of record for this project to design a new apron and taxiway at the airport. The project included pavement design, airfield marking, lighting, and signage, and drainage design. He was responsible for the airfield design. The project was incorporated in the New North Terminal Development project for construction.

Runway 8 and 26 Safety Area Improvements, Puerto Rico Ports Authority, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. Mr. Roda was the lead airfield engineer for this project to improve the safety area conditions on the airport's main runway that ends 100 feet from a lagoon. This project, originally estimated at \$15 million, calls for a 550-foot extension of the runway and parallel taxiway; displacement of the runway thresholds; and all miscellaneous grading, drainage, lighting, and marking work to create a standard runway safety area. During design, a box culvert was found 400 feet from the runway threshold, impacting the ability to extend the runway and meet current standards. He was responsible for studying alternative design solutions for extending the runway, considering engineering standards, environmental impacts, airport operations impacts, and order of magnitude costs. The revised construction estimate was \$36 million, and the project was split into multiple bid packages.

Runway 8-26 and Taxiway Sierra Pavement Evaluation and Study, Puerto Rico Ports Authority, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. Mr. Roda served as project engineer during this emergency pavement evaluation of the airport's main runway and parallel taxiway to determine necessary repairs prior to the closure of the airport's only other runway. He also aided in pavement condition index (PCI) data collection and analysis.

Taxiway Sierra Extension and Runway 26 Safety Area Improvements, Puerto Rico Ports Authority, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. Mr. Roda was project engineer responsible for design support and quality control (QC) reviews on this \$18 million project, which included a 2,400-foot-long taxiway extension and the addition of fill material into an existing lagoon to improve the runway safety area conditions. The project design was completed mid-2004 and shelved due to construction programming and budgetary issues.

Taxiway Sierra and Runway 26 Safety Area Embankment, Puerto Rico Ports Authority, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. As lead airfield engineer, Mr. Roda was responsible for repackaging and redesign of the shelved Taxiway Sierra Extension and Runway 26 Safety Area Improvements project, creating two new separate bid packages. This \$20 million project included the addition of rock fill and borrow material into a lagoon, along with other site improvements to create a platform for a future Taxiway Sierra extension and Runway 26 safety area improvements.

Taxiway Sierra Extension Paving and Lighting, Puerto Rico Ports Authority, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. Mr. Roda was lead airfield engineer responsible for repackaging and redesign of the shelved Taxiway Sierra Extension and Runway 26 Safety Area Improvements project, creating two new separate bid packages. This estimated \$18 million project involved the 2,400-foot extension of Taxiway Sierra to create a full-length parallel taxiway beside Runway 8-26. This project included all necessary paving, lighting, marking, and drainage associated with the taxiway extension.

Rehabilitation of Runway 10-28 and Taxiway Connectors, Puerto Rico Ports Authority, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. Mr. Roda served as project engineer responsible for design support and QC reviews on this \$30 million reconstruction of Runway 10-28, parallel taxiway hotel, and all connector taxiways between the runway and parallel taxiway.

Continuing Professional Planning, Engineering, and Consulting Services, Whiting Aviation Park, Santa Rosa County, Milton, Florida. Mr. Roda is currently serving as project manager for this general services contract for the development of an industrial park at the Whiting Naval Air Station in Santa Rosa County, Florida.

Continuing Professional Planning, Engineering, and Consulting Services, Hernando County Airport, Brooksville, Florida. Mr. Roda is currently serving as the project engineer for several task orders under Hernando County Airport's General Consulting contract.

South Airport Master Development Plan, Hernando County Airport, Brooksville, Florida. Mr. Roda served as lead engineer on this project to create a master development plan of approximately 650 acres of undeveloped land at the airport. The plan included land use, road circulation, drainage and utility master planning for a future industrial park. He was responsible for road, lot, and drainage pond layouts, as well as coordination with airport officials.

Extension of Corporate Boulevard and New Airport Boulevard, Hernando County Airport, Brooksville, Florida. Mr. Roda served as associate project manager and lead engineer on this \$1 million project to construct approximately 1.75 miles of a new two-lane roadway for the future South Airport Industrial Park. The project consisted of grading, drainage, geometric, and pavement design for the new roadways, as well as coordination with the South Airport Master Development Plan. He was responsible for roadway design, construction plans and specifications, and engineer's report.

Wildlife/Access Control Fencing and Apron Lighting, Hernando County Airport, Brooksville, Florida. Mr. Roda served as associate project manager and lead engineer on this \$600,000 project involving the construction of 22,000-feet of chain link fence around the airport's perimeter and the installation of pole-mounted flood lights and associated electrical work for apron lighting. He was responsible for fence design, construction specifications, the engineer's report, and subconsultant coordination for the apron lighting design.

Jeffrey C. Helms, PE

*Vice President/Division Manager
PBS&J*

Education

B.S., Engineering, University of
Florida, 1985

Registrations/Licenses

Professional Engineer
Florida 46322, 1993
Alabama 19023, 1992

Certifications

FDOT, Advanced Maintenance of
Traffic, 2002FDEP Qualified
Stormwater Management
Inspector, 2001, #1896

Professional Affiliations

American Society of Civil
Engineers (ASCE)
Florida Engineering Society (FES)
National Society of Professional
Engineers (NSPE)

Mr. Helms currently serves as vice president and transportation division manager for northwest Florida. In this role, Mr. Helms oversees all transportation design projects in northwest Florida. In addition, he also serves as the gulf coast district director overseeing PBS&J's operations and presence along Florida's Great Northwest. He has 22 years of professional engineering experience in project development, public involvement coordination, utility coordination, preliminary and final plans preparation, geometric design, and stormwater drainage design for major and minor highway/roadway plans and complex interchanges. Mr. Helms has served as project manager for over 30 FDOT, District Three, projects, including major projects such as the SR 87 multilane reconstruction project, the Navy Boulevard Project Development and Environment (PD&E) Study, the Crawfordville Highway multilane reconstruction project, and the Capital Circle at SR 20 major intersection project.

Mr. Helms is a fifth generation Floridian, living his entire life in northwest Florida. During that time, he has and continues to participate in many local economic development and charitable organizations. Mr. Helms is past president of the Washington County Chamber of Commerce. He currently serves on the board of directors for Opportunity Florida, TEAM Santa Rosa, Florida's Great Northwest, and the Governance Council for the Workforce Innovation in Regional Economic Development (WIRED) initiative. Mr. Helms's representative project experience includes:

Florida Department of Transportation (FDOT), District Three, General Consultant, Chipley, Florida. Mr. Helms was responsible for the day-to-day management and coordination of all PBS&J activities related to this contract. Approximately 35 full time equivalent PBS&J employees provide a variety of services which include but is not limited to the following activities: Contract administration, design and PD&E project management, concept report and scope of services preparation, plans review and constructibility reviews, cultural resource assessments, right-of-way acquisition support, surplus property administration, project control services, design/-build project administration and construction criteria preparation, construction cost estimates, emergency operations support, electrical engineering, site preparation and permitting, maintenance management, GIS/-mapping support, claims analysis, pavement design, geotechnical project management, traffic studies, safety studies, scheduling/contract time preparation, value engineering, public involvement, landscape architectural services, drainage design, and construction engineering and inspection (CE&I) project administrator support.

Select Enhancement Projects in Escambia, Santa Rosa, and Okaloosa Counties, Florida. Mr. Helms served as project manager for four separate enhancement projects including: Saufley Field Road Bike Path, Lang Road Sidewalk Improvements, Stillwell Boulevard Sidewalk Improvements, and Blackwater Heritage Trail Bike Path (Phase I). These enhancement projects required structural design of pedestrian and bike path bridges, significant drainage improvements, architectural and landscape design services, and geotechnical services. Also included were design surveys and right-of-way map preparation. The Saufley Field Road Bike Path and Lang Road Sidewalk projects were completed in 4 weeks, thereby allowing the Department to meet its production schedules.

SR 87 Final Design, Santa Rosa County, Florida. As project manager, Mr. Helms was responsible for the final design of Segment 1, approximately 4 miles of the four-lane urban roadway. The scope of work included a new bridge at East Bay River, three new signalized intersections, and six stormwater management facilities.

SR 30 (US 98) Emergency Reconstruction, Okaloosa County, Florida. Mr. Helms was project manager for the emergency reconstruction of approximately 2 miles of SR 30 (US 98) between Santa Rosa Boulevard and the Destin Beach Bridge located in Okaloosa County. This design-build project was necessary to repair extensive damage (caused by Hurricane Opal) to the heavily traveled four-lane arterial. Even though the Department required two lanes to be opened within 30 days of receiving the Notice to Proceed, PBS&J designed, constructed, and opened these two lanes to traffic 2 weeks earlier than the Department's deadline. Four lanes were opened to traffic within 45 days from the date of Hurricane Opal's landfall.

SR 87 PD&E Study, Santa Rosa County, Florida. Mr. Helms served as project manager for this study of SR 87, a 20-mile corridor, from SR 30 to SR 10 in Santa Rosa County. The project consisted of alternative alignment analysis, preliminary engineering, and environmental assessments necessary for the project to proceed through the Federal Highway Administration (FHWA) location/design approval. Also included were the preparation of conceptual plans, preparation of an engineering report, and public involvement coordination.

CR 279 Resurfacing, Washington County, Florida. For this project, Mr. Helms served as project manager for pavement widening, resurfacing, and drainage improvements for 8 miles of CR 279 in Washington County, Florida, for FDOT. The project required the replacement of a 150-foot bridge over Gum Creek and the design of a detour road including a temporary bridge structure.

Eleven Mile Creek Bridge, Pensacola, Florida. As project manager, Mr. Helms was responsible for design of the removal and replacement of a 240-foot bridge located on SR 10A over Eleven Mile Creek in Pensacola, Florida. The project involved the design of a detour road, including a temporary bridge for maintenance of traffic during construction.

FDOT Group 94-4 Projects, Pensacola, Florida. Mr. Helms served as project manager for five separate minor FDOT design projects in Pensacola, Florida. In this capacity, Mr. Helms was responsible for project management and supervision of design and computer-aided drafting and design (CADD) personnel for highway design, drainage design, traffic control plans, signing and pavement markings, signalization, and utility coordination. Projects included the following: I-10 at US 29 Ramp A, Davis Highway resurfacing and intersection improvements, Mobile Highway at "W" Street intersection, Gulf Beach Highway at Navy Boulevard intersection, and Lillian Highway at Fairfield Drive intersection.

US 319 (Crawfordville Highway) PD&E Study, FDOT, District Three, Chipley, Florida. As project manager, Mr. Helms was responsible for data collection, public involvement coordination, alternative alignment analysis, conceptual plan preparation, and engineering report preparation for the Crawfordville Highway PD&E. This PD&E study involved 23 miles of urban

and rural roadway in Leon and Wakulla Counties, and included CADD-generated conceptual plans.

I-10 Rehabilitation and Safety Improvements, Escambia County, Florida.

Mr. Helms served as chief design engineer and project manager for pavement rehabilitation, sign replacement, and pavement markings for 5.5 miles of I-10 in Pensacola, Florida. This project was completed at a cost of \$3 million.

I-10 Rehabilitation, Escambia County. As chief design engineer and project manager, Mr. Helms was responsible for pavement rehabilitation and safety improvements for 11.3 miles of I-10 in Escambia County. The project involved the widening of 14 bridges, sign replacement, and safety improvements to six interchanges. Construction was completed at an estimated cost of \$30 million.

Fairfield Drive/9th Avenue Improvements, Pensacola, Florida. Mr. Helms was project manager for major intersection improvements including drainage design on Fairfield Drive at 9th Avenue in Pensacola for FDOT.

University of West Florida Western Entrance. As project manager, Mr. Helms was responsible for the PD&E/Advanced Project Analysis (APA) for the western entrance to the University of West Florida, located in Pensacola, Florida. This project consisted of road and bridge design, traffic surveys, soil exploration, permitting, and utilities extension toward the western boundary of the University, as well as coordination with state and local permitting agencies.

FDOT Districtwide Miscellaneous Design Contract. Mr. Helms served as project manager for districtwide miscellaneous minor design projects in FDOT, District Three. In this capacity, he was responsible for project management and supervision of design and drafting personnel on various minor FDOT design projects involving highway design, drainage design, traffic control plans, signing and pavement markings, signalization, and utility coordination.

University of West Florida Campus Engineering Contract. As project manager, Mr. Helms was responsible for project management and supervision of design and drafting personnel on all minor design projects involving sidewalk and ADA improvements, signing and pavement marking, drainage design, erosion control, parking lots, and minor highway improvements.

Pensacola Junior College Frontage Road, Pensacola, Florida. Mr. Helms was project manager for a complete redesign of the campus roadway system connecting College Boulevard to Underwood Drive. The project included drainage design, parking lot modifications, lighting design, sidewalks, ADA design improvements, and utility relocations.

Pensacola Junior College Clock Tower Roadway Modifications, Pensacola, Florida. As project manager, Mr. Helms was responsible for roadway modifications to College Boulevard resulting from the new construction of the M.J. Menge Clock Tower. The project included highway geometric modifications, drainage redesign, demolition of buildings, landscaping, and utility relocation.

Rupert H. Johnson

Senior Project Manager

PBS&J

Education

B.S., Mechanical Engineering,
California State University at
Northridge, 1967

Mr. Johnson has more than 20 years of experience in aviation-related construction management services. His expertise encompasses all areas of professional and technical experience in project management, contract administration, design, inspection, planning and scheduling, procurement, and maintenance. He has had broad exposure to all facets of the management of capital programs from both a technical and managerial perspective.

Mr. Johnson's project experience includes:

Continuing Professional Planning, Engineering, and Consulting Services, Okaloosa County Airports System, Okaloosa County, Florida. Mr. Johnson is currently serving as the on-site representative and construction projects manager under Okaloosa County's current Airport General Consulting contract. In this capacity, he has served as an extension to airport staff assisting in various assignments such as cost accounting, grant applications, project scheduling, budgeting, design reviews, agency coordination, and much more.

Terminal Additions, Okaloosa County Airports System, Okaloosa Regional Airport, Eglin AFB, Florida. Mr. Johnson is the on-site representative for this \$20 million project to expand the existing air carrier terminal at Okaloosa Regional Airport. The project includes architectural, mechanical, electrical, plumbing, structural, and civil site design. The terminal additions consist of approximately 50,000 sf of miscellaneous space including concourse gates, ticketing, baggage screening, baggage claim, and administrative space. Site improvements include entrance road realignment, parking lot reconfiguration, and aircraft ramp reconstruction. He is responsible for coordination issues with airport staff and tenants and design reviews.

Runway 17-35 Pavement Rehabilitation, Okaloosa County Airports System, Bob Sikes Airport, Crestview, Florida. Mr. Johnson served as on-site resident engineer for this \$7 million project to rehabilitate the existing 8,000-foot by 150-foot runway pavement. The project included variable depth asphalt milling, asphalt overlay, pavement reconstruction, crack repair, marking, signage, and airfield lighting improvements. He was responsible for design reviews, construction administration, and coordination of testing agencies.

New Cargo/Maintenance Facility, Okaloosa County Airports System, Okaloosa Regional Airport, Eglin AFB, Florida. Mr. Johnson is the on-site resident engineer for this \$2.5 million project to construct a new cargo/-maintenance building at the airport. The project includes architectural, mechanical, electrical, plumbing, structural, and civil site design for a 12,000 sf building intended for use by cargo related tenants and airport maintenance staff. He was responsible for design reviews, construction administration, and coordination of testing agencies.

Okaloosa Regional Airport Terminal Development Program, Eglin AFB, Florida. Mr. Johnson served as the on-site resident engineer-construction on this \$45.0 million project which included terminal building renovation and expansion, expansion of terminal apron and taxiways, and

improvements to the landside parking lots and roadways. Mr. Johnson was instrumental in coordinating bid documents at the eleventh hour to enable the airport to receive a federally funded (AIP) grant for the apron expansion project prior to a FAA September 30 deadline. Mr. Johnson's specific duties included:

- Airport, contractors, and design team coordination
- Establishing and monitoring a master project schedule
- Monitoring master project budget, construction budgets, and payment requisitions
- Coordinate resident inspections of construction work
- Contract administration

McCarran International Airport, Las Vegas, Nevada. Mr. Johnson served as the design team's authorized representative for the Satellite "D" Mass Grading and ATS Tunnel Project. He had direct interface with the Bechtel Authorized Representative, handling construction design phase activities including document reviews, drawing and specification change notices, requests for clarification, pay estimates, and change orders.

Henderson Executive Airport, Henderson, Nevada. Mr. Johnson served as the design team's authorized representative for the primary utility and apron improvements project. He had direct interface with the Bechtel authorized representative, handling design phase activities including preparation of construction drawings and specifications, project cost estimate, pre-bid conference, addendums, bid tab, and conformed documents.

Pensacola Regional Airport, Parking Garage and Terminal/Concourse Expansion Project, Pensacola, Florida. Mr. Johnson served as on-site project manager on this \$31.6 million project that included a new parking garage and remodeling of the existing terminal building.

The parking garage consisted of a four-level, 1,362 parking space facility, including a pedestrian skybridge connector to the terminal building. Also included was construction of a temporary remote parking lot, site improvements, modifications to the existing surface parking lot, and a new parking revenue toll plaza.

The terminal building improvements included an airside concourse expansion with two new jet gates and four new commuter gates with hold rooms, expanded baggage claim, and relocation of the airlines' ATO, ticketing, and baggage handling areas.

Mr. Johnson created a project management procedures manual to provide basic controls used by the participants during engineering and construction activities.

Construction phasing schedules were developed during the design process. Close coordination of construction activities was supervised throughout the construction phase between the contractor, airport tenants, design team, construction manager, and the airport staff.

Mr. Johnson's specific responsibilities on this project included:

- City of Pensacola; contractors, and design team coordination

- Establish and monitor a master project schedule
- Monitor budgets and payment requisitions
- Resident inspections of construction work
- Contract administration

Page Field, Rehabilitation of Runway 5/23, Fort Myers, Florida. Runway 5/23 was milled and resurfaced, while the cross runway was kept in service. Specific responsibilities included:

- Lee County Port Authority, contractor, and design team coordination
- Establishing and monitoring a construction schedule
- Monitoring budgets and payment requisitions
- Resident inspections of construction work
- Lee County contract administration

Budget and schedule objectives were completed on schedule.

Tallahassee Regional Airport, Terminal Expansion and Improvement Program, Tallahassee, Florida. Mr. Johnson served as on-site project manager for this new \$33.4 million terminal expansion project which included a 186,000-square foot terminal building with 14 gates, roadway system, concrete air carrier ramp, taxiway connectors, and employee rental car and public parking lots.

Airfield improvement projects included overlay of both runways and associated taxiways, upgrade of the airfield lighting and signage, a new air cargo facility and air cargo aircraft ramp, a new 93-foot intermediate level air traffic control tower with a 9,000-square foot TRACON facility, a new security access system, and overlay of the general aviation aircraft apron.

Mr. Johnson managed the cost control program for the Tallahassee construction projects, including the planning, matching and control of funds generated by local, state, and federal agencies. Cost control for the new terminal facility, with 26 separate contracts and 17 different funding sources, was efficiently managed to the satisfaction of the City of Tallahassee Audit Department.

He worked very closely with the Florida Department of Transportation (FDOT) and FAA-ADO offices in preparing work programs and schedules, grant applications, and grant close out documentation. He assisted the Aviation Department with state and federal grant programs.

Mr. Johnson's specific responsibilities included:

- Owner, multi-prime contractors, and design team coordination
- Establishing and monitoring a master project schedule
- Resident inspection of construction work
- Contract administration

McCarran International Airport, Las Vegas, Nevada. Mr. Johnson had direct contract management responsibility and coordinated the activities of the project team, including the design architect, master planner, and the various trade contractors. He provided an active team-oriented style of management with a rigorous commitment to detail and follow-through.

Specific projects at McCarran included bridge and rotunda expansion, energy management and control systems, signage and graphics, sprinkler retrofit, and casework. The construction value of the above referenced projects was approximately \$15 million.

Mr. Johnson effectively completed engineering and design of a fluid handling system for copper smelters in Arizona. He also assumed responsibility for a prefabricated piping project which was two and a half months behind schedule and within four months was able to complete design and have the pipe spools fabricated in Salt Lake City and delivered to the client in Arizona on schedule.

Robert E. Ensor, PE

Senior Engineer

PBS&J

Education

B.C.E.T., Civil Engineering,
Southern Technical Institute,
1979

A.A., Engineering, Southern
Technical Institute, 1976

Registrations/Licenses

Professional Engineer
Florida 37169, 1986

Mr. Ensor has 32 years of engineering experience on a wide range of heavy civil design and construction projects. He has served as project manager, project engineer, technical consultant, construction manager, and inspector on numerous projects involving the evaluation and repair of concrete pavements or design and construction of new pavements. He has over 21 years of project management, technical support, planning, design, and construction administration and inspection experience on a wide range of aviation landside and airside development projects including over 17 years of experience in planning, design, and implementation of automated and computerized systems and support elements for numerous airport security, informational signage, data/voice communications, and special systems. His project and technical expertise includes airport planning and design; highway planning and design; utility design; and planning and design of telecommunication and security infrastructure at airport and government facilities.

Mr. Ensor has served as lead engineer; roadway, pavement, drainage, and utility design engineer; project manager; and construction inspector on a wide range of aviation and surface transportation projects. Mr. Ensor's project experience includes:

Continuing Professional Planning, Engineering, and Consulting Services, Okaloosa County Airports System, Okaloosa County, Florida. Mr. Ensor is currently serving as the lead civil engineer under Okaloosa County's current Airport General Consulting contract. In this capacity, he has been involved with miscellaneous assignments including pavement designs, concept layouts, cost estimating, quality reviews, and more.

Terminal Additions, Okaloosa County Airports System, Okaloosa Regional Airport, Eglin AFB, Florida. As lead civil engineer, responsible for design of airport entrance road alignments and parking lot reconfigurations as a part of this \$20 million terminal renovation project.

Cargo-Maintenance Building, Okaloosa Regional Airport, Okaloosa County, Florida. As senior technical consultant, Mr. Ensor developed pavement and drainage designs, conducted constructability and operational phasing analysis, and performed quality control reviews for terminal apron expansion. With a budget of \$3 million, design was completed in April 2007.

Runway 17-35 Rehabilitation, Bob Sikes Airport, Okaloosa County, Florida. As senior technical consultant, developed pavement designs, conducted constructability and operational phasing analysis and performed quality control reviews for the \$11 million pavement reconstruction program on the 8,000-foot by 150-foot general aviation runway (aircraft design group [ADG] IV). Phase 1 construction is ongoing.

South Terminal Apron Expansion, Okaloosa Regional Airport, Okaloosa County, Florida. As senior technical consultant, developed pavement designs, conducted constructability and operational phasing analysis, and performed quality control reviews for \$2 million terminal apron expansion. Design was completed in April, 2007.

Peter Prince Airport, Santa Rosa County, Florida. As senior technical consultant, developed pavement designs, conducted constructability and operational phasing analysis, and performed quality control reviews for this \$1 million airfield development program, which included T-hangar access taxilanes and site preparation, widening of Taxiway A, runway extended safety area improvements, four new holding bays, and new REILS and runway remarking bidding/construction packages for this general aviation airport. Construction was completed in 2006.

Panama City-Bay County International Airport, Panama City, Florida. As senior technical consultant, conducted constructability and performed quality control reviews on the site preparation and grading packages. Design was completed in April, 2007.

Continuing Professional Planning, Engineering, and Consulting Services, Hernando County Airport, Brooksville, Florida. As project manager and lead technical professional for several task orders under Hernando County Airport's general consulting contract, responsible for technical design and administration of the following:

- Phase II Rail Park Site and Utility Infrastructure
- Vault Service Road Rehabilitation
- Southeast Hangar Area – Tract F
- Master Development Plan
- US 41 Rail Signalization
- Airport Boundary Survey
- Rail Park Phase II Construction Services
- South Airport Road
- Access Control Fencing/Apron Lighting
- Sun Coast Plastics Rail Alternatives Assessment
- South Airport Industrial Park Site & Utility Infrastructure
- Pavement Strength Assessment
- Airport Administration Building Concept Development

Design for all projects were completed on or before June 2007.

Southwest Airport Industrial Park, Hernando County Airport, Florida. As lead technical professional and project manager, responsible for design of site and utility infrastructure and permitting for a 180-acre, on-airport industrial park: Airport Rail Park. The project included new streets, as well as reconstruction of existing roads, sanitary sewer, water, drainage collection, and stormwater management facilities. With a construction budget estimated to be \$3.5 million, the project's design was completed in June 2007.

Runway 26 Safety Area Extension and Taxiway Sierra Extension, Puerto Rico Ports Authority, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. As senior technical consultant, performed quality assurance and constructability reviews and served as senior design consultant for this project to extend a parallel taxiway and construct runway RSA in the lagoon. The project's \$19 million construction is ongoing.

Runway 8 Extension, Puerto Rico Ports Authority, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. As senior technical consultant, performed quality assurance and constructability reviews and served as senior design consultant for a 550-foot extension of runway 8 and box culvert reconstruction. The project has a \$40 million construction budget, and Phase 1 construction is scheduled for 2009.

Taxiway Juliet and Ramp J, South General Aviation Development, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. As senior designer, led design production on this full parallel taxiway and aircraft parking ramp project serving ADG III commercial and general aviation (GA) aircraft. One section of the taxiway was designed to accommodate ADG IV aircraft. The \$13 million construction is ongoing.

Taxiway "W" Relocation, Tampa International Airport (TIA), Hillsborough County Aviation Authority, Tampa, Florida. As project manager and technical design lead, responsible for design production, constructability reviews, drainage design, and permitting. Responsibilities also included construction administration and full-time inspection services. The \$14 million construction was completed in 2004.

Miscellaneous Projects, Vandenberg Airport W Relocation, TIA, Hillsborough County Aviation Authority, Tampa, Florida. As project manager and lead technical professional, responsible for design and construction administration and inspections of Phase 6B site infrastructure; overlay of Runway 18-36, Taxiway "A," and adjacent taxilanes; and related work. The \$2 million construction was completed in 2004.

Astana International Airport, Republic of Kazakhstan. As senior design lead, responsible for development of taxiway, cargo, and terminal apron tender packages and technical support for development of airport ground support equipment and ARFF vehicle tender packages, all in compliance with various international and Former Soviet Republic (CIS) aviation standards including ICAO, IATA, ISO, GOST, SNIP, UBC, NFPA, ASHRAE, JIS, NEMA, IEC. The project included a taxiway system, a new 29,000-square-foot passenger terminal, a new cargo terminal, and a fire rescue facility to serve international and regional traffic comprised of B-747, A340, IL-86 and regional aircraft. The program involved extensive landside, road, and utility infrastructure improvements. The program was funded by a 30-year \$176 million (USD) loan from Japan Bank for International Cooperation, and followed FDIC design-build tender procedures. Design was completed in 2003.

Page Field, Fort Myers, Florida. Subconsultant to the client's general consultant to develop project cost estimates for a five-year Capital Improvement Plan (CIP). Tasks were completed in 2003.

Charlotte County Airport, Punta Gorda, Florida. Project manager/engineer for the rehabilitation and replacement of storm sewers including construction of detention and flow control facilities.

Columbus Metropolitan Airport, Mississippi. Project manager/engineer for the construction of a 1,000-square-foot runway safety area overrun, which involved reconstruction of a U.S. Soil Conservation Service flood control dam and lake.

Southwest Florida International Airport, Fort Myers, Florida. Project director responsible for construction administration and financial closeout for an air cargo ramp.

Air National Guard Training Facility, Gulfport-Biloxi Regional Airport, Mississippi. Special consultant for conceptual design analysis to replace, repair, and strengthen 100,000 square yards of Portland cement concrete (PCC) pavement apron, including assessment of various replacement/-repair alternatives and conducting PCI evaluations of the airport's main taxiways. The technical challenge was that the site was originally constructed during WW II using hydraulic fill placed over the existing ground. The subgrade consisted of a thin 12- to 16-inch root mat roughly 18 to 24 inches below bottom of proposed PCC pavement. This mat was underlain by zero- to two-blow count material. The challenge was to design a pavement section that would support construction equipment. This was accomplished with engineered subgrade reinforcement utilizing a geogrid product. As general consultant to the airport authority, Mr. Ensor was also responsible for replacing damaged slabs and resealing joints and cracks in PCC pavement apron and taxiways as part of the 1988, 1989, and 1990 fiscal year airfield improvements.

Columbia Metropolitan Airport, Georgia. Project manager/engineer for a 353,000-square-yard PCC air carrier apron expansion in conjunction with a new terminal expansion. The project included alternate design for an asphalt apron.

Mobile Downtown Airport, Alabama. As special technical consultant, assisted in the design of repairs to 60,000-square-yards of a 40-year-old PCC pavement apron serving the Mobile airspace maintenance facility.

Meridian-Key Field, Mississippi. Special consultant for conceptual design analysis for apron expansion and 100-foot extensions at each end of Runway 01/19, including a parallel taxiway. The project included repair/-replacement of 11,000-square-yards of existing PCC pavement, which was designed to meet FAA ADG V criteria.

Greenville-Spartanburg Airport, North Carolina. Project manager for a 75,000-square-yard air carrier apron expansion.

Charleston International Airport, South Carolina. Project manager for 35,000-square-yard air cargo apron and parallel taxiway. Lead designer for 15,000-square-feet of PCC apron and connector at the airport. The pavement structural and geometric design was created to accommodate Boeing 747 cargo operations. Technical challenges included engineering a subgrade to support pavement structure over 15-to 20-feet of zero-blow count material, using preloading and wick drains, deep consolidation, undercutting, geotechnical reinforcement, bridging, and structural piles.

Honors and Awards

Merit Award – Construction Specifications Institute (CSI), Specifications Competition, 1982

Kevin McCauley

Engineer

PBS&J

Education

B.S., Civil Engineering, Florida
State University, 2002

Professional Affiliations

American Society of Civil
Engineers (ASCE)

Software

Microstation
Geopak
AutoCAD
Microsoft Office
Various Windows-based
engineering design
applications

Mr. McCauley is an aviation engineer in PBS&J's aviation division/Tampa, Florida office. He has ten years of aviation/transportation design engineering experience involving design packages and plans preparation of paving, lighting, and signing, navigation aid system (NAVAIDS), as well as various design aspects such as phasing, staging, geometry, profiles, alignments, drainage, grading, facility details, and electrical layout. Mr. McCauley serves/served as an aviation engineer for the following PBS&J projects:

Rehabilitation of Taxiway A – Virgin Islands Port Authority (VIPA), St. Croix, U.S. Virgin Islands. This project is a task order under the St. Croix Airport General Engineering Consultant Services master contract. Taxiway A is the main parallel taxiway that supports operations at Runway 10-28 for the Henry E. Rohlsen Airport (HERA). The taxiway serves a mix of general aviation and commercial service traffic at the airport. VIPA completed the resurfacing of Runway 10-28 in 2004, including a 2,400-foot expansion to accommodate international flights from Europe. During the paving activities, the central and western areas of Taxiway A were resurfaced, leaving the eastern part – from Taxiway G to the Runway 28 end – without any resurfacing.

Luis Muñoz Marín International Airport Construction Administration Services (2004-2006), San Juan, Puerto Rico. This two-year contract with the Puerto Rico Ports Authority (PRPA) consisted of providing construction administration services to ensure completion of the capital improvement projects at the Luis Muñoz Marín International Airport; also included coordinating construction efforts among the projects.

Chateau Elan Hotel Additions Civil Engineering Services – Sebring Regional Airport, Sebring, Florida. The Sebring International Raceway, Inc., the largest tenant at the Sebring Regional Airport, desired to construct a hotel facility in support of race activities. The 4-story, 86-room Chateau Elan Hotel and Spa with a restaurant and bar, was planned as a partnering effort with the Sebring Airport Authority. The design was in keeping with the architectural motif of the airside center. The construction efforts were dictated by the permitting process and the schedule for the annual 12 Hours of Sebring race. The scope of work involved civil design for the hotel along with design and permitting of the stormwater system. The stormwater system was permitted in 60 days as part of a master system under review by South Florida Water Management District (SFWMD).

Dual Midfield Taxiway (DMTW) System Additional Design, Puerto Rico. This project for PRPA involved additional fuel, electrical, water, and bid packaging efforts for the DMTW.

Taxiway Sierra Pavement Design Additional Services, San Juan, Puerto Rico. This project for PRPA involved the repackaging of a previous design done by PBS&J as well as the completion of the pavement and lighting design package.

Roosevelt Roads International and Rafael Hernandez International Airports Pavement Assessment and Management Services, San Juan, Puerto Rico. This project for PRPA involved providing pavement

assessment and management services at the Roosevelt Roads International Airport and Rafael Hernandez International Airport.

Luis Muñoz Marín International Airport Perimeter Access Control Fence Assessment Services, San Juan, Puerto Rico. This project for Jacobs, Edwards, and Kelcey, Inc. involved an assessment of all of the security fences and perimeter roads at the Luis Muñoz Marín International Airport.

Applied Research Associates, Inc. (ARA) St. Croix Peer Review Services, St. Croix, U.S. Virgin Islands. This project for ARA involved providing peer review services at the St. Croix Henry Rohlsen International Airport.

South GA Area – Luis Muñoz Marín International Airport Taxiway System, San Juan, Puerto Rico. This project is a task order under the Luis Muñoz Marín International Airport Taxiway System master contract.

Cargo Access Road – Luis Muñoz Marín International Airport Taxiway System, San Juan, Puerto Rico. This project is a task order under the Luis Muñoz Marín International Airport Taxiway System master contract.

Okaloosa Regional Airport South Apron Expansion, Okaloosa County, Florida. This project is a task order under the Okaloosa Regional Airport Systems General Engineering Consultant Services (1999-2012) master contract.

BSA – Runway 17-35 Rehabilitation, Okaloosa County, Florida. This project is a task order under the Okaloosa Regional Airport Systems General Engineering Consultant Services (1999-2012) master contract.

Before joining PBS&J, Mr. McCauley's project experience with other companies included:

O'Hare Modernization Program, Runway 9L/27R, Chicago, Illinois (O'Hare Runway Designers, LLC). Transportation/aviation design engineer responsible for and/or assisting with design packages and plans preparation of paving, lighting, and signing; navigation aid system (NAVAIDS); NASR-9, RTR-P, and RTR-Q facilities; and single-mode Federal Aviation Administration (FAA) fiber optic transmission system (FOTS) loop. Also participated in design work and plans preparation involving various design aspects such as phasing, staging, geometry, profiles, alignments, drainage, grading, facility details, and electrical layout.

O'Hare Modernization Program Construction Administration Services – 9L/27R Site Preparation Package and 14L NAVAIDS Package, Chicago, Illinois. Transportation/aviation design engineer responsible for construction administration design services including responding to design clarifications, requests for information (RFIs), and contractor change orders encountered on the construction site.

I-80 at Marseilles Road Interchange Reconfiguration, Chicago, Illinois. Transportation/aviation design engineer responsible for assisting with Phase II roadway transportation design involving various aspects such as geometrics, profiles, cross-sections, and details.

I-94 Reconstruction – Waukegan Toll Plaza to Wisconsin Border, Wisconsin. This project for the Illinois State Toll Highway Authority (ISTHA) involved various design aspects such as geometrics, profiles, alignments, intersection design studies, lighting, traffic signals, cross-sections, drainage, and surveying.

I-80/I-55 Interchange Reconstruction, Illinois. This project for the Illinois Department of Transportation (IDOT) involved various design aspects such as geometrics, profiles, alignments, intersection design studies, lighting, traffic signals, cross-sections, drainage, and surveying.

Martin Luther King Drive STP Reconstruction, North Chicago. This project for the City of North Chicago involved various design aspects such as geometrics, profiles, alignments, intersection design studies, lighting, traffic signals, cross-sections, drainage, and surveying.

Fourth Avenue Reconstruction, Illinois. This project for the Village of Libertyville involved various design aspects such as geometrics, profiles, alignments, intersection design studies, lighting, traffic signals, cross-sections, drainage, and surveying.

Lemont Road Reconstruction/Resurfacing, Dupage County, Illinois. Resident engineer responsible for the reconstruction portion of the project as well as assistant resident engineer responsible for the construction, reconstruction, and resurfacing portions of the project for Dupage County.

Meacham Road STP Reconstruction, Chicago, Illinois. Resident engineer responsible for the reconstruction portion of the project and assistant resident engineer responsible for the construction, reconstruction, and resurfacing portions of the project for the Village of Schaumburg.

MFT Street Resurfacing Program, North Chicago. Resident engineer responsible for the reconstruction portion of the project and assistant resident engineer responsible for the construction, reconstruction, and resurfacing portions of the project for the City of North Chicago.

Mr. McCauley also served as a student intern for an environmental and geotechnical company located in Tallahassee, Florida. Tasks included lab work, computer graphics (Microstation), field work, writing technical reports, and managing field crews.

Professional Development

Roadside Design, ASCE
Portland Cement Concrete Tester Course, IDOT
Documentation Certification, IDOT
Effective Roadway Lighting, University of Wisconsin
Urban Street Design, University of Wisconsin

Professional Affiliations

American Society of Civil Engineers (ASCE)

Nathan E. Parish, EI

Aviation Staff Engineer

PBS&J

Education

B.S., Civil Engineering,
Mississippi State University,
2003

Certifications

Engineer Intern (EI), Mississippi
(6873), 2003

Mr. Parish is a staff engineer in PBS&J's national aviation services division. He has significant experience in airfield engineering design and construction services. His design experience includes horizontal and vertical geometry, grading, pavement design, and general plan sheet setup and production. His construction experience includes resident project representative services for projects involving pavement construction, utility and stormwater installations, aircraft hangar and concrete masonry unit (CMU) building construction, and airfield lighting and signage installations.

Mr. Parish's project experience includes:

Construction of Taxiway C, Winter Haven Municipal Airport, Winter Haven, Florida. Mr. Parish served as resident project representative for this \$370,000 project involving the construction of approximately 1,400 feet of asphalt taxiway and the implementation of associated drainage systems, taxiway guidance signs, and electrical duct bank. His responsibilities included inspection of the day-to-day construction activities and coordination of construction and administrative issues between the contractor, owner and design engineer.

Taxiway Echo Rehabilitation, Okaloosa County Airports, Destin-Ft. Walton Beach Airport, Destin, Florida. Mr. Parish served as staff engineer on this emergency \$300,000 project to correct geometric deficiencies at an existing taxiway intersection. The project consisted of the demolition and reconstruction of a portion of asphalt taxiway at the intersection of the parallel taxiway, relocation of taxiway edge lights, stormwater pipe repair, and the removal of a wind cone and segmented circle. He was responsible for plans production and quantity calculations.

Airfield Improvements, County of Santa Rosa, Peter Prince Airport, Milton, Florida. Mr. Parish served as staff engineer for this \$3 million project consisting of miscellaneous items to improve airfield conditions. Improvements included the construction of six new taxilanes to serve future T-hangars; the widening of Taxiway Alpha, four new hold bays; runway safety area (RSA) improvements; and various site drainage, electrical, and marking improvements. This project involved the creation of three separate bid packages to accomplish the work, based on phasing and available funding. He was responsible for plans production and quantity calculations.

South Airport Master Development Plan, Hernando County Airport, Brooksville, Florida. As staff engineer, Mr. Parish was responsible for plans production on this project to create a master development plan of approximately 650 acres of undeveloped land at the airport. The plan includes land use, road circulation, drainage, and utility master planning for a future industrial park.

Extension of Corporate Boulevard and New Airport Boulevard, Hernando County Airport, Brooksville, Florida. Mr. Parish served as staff engineer on this \$1 million project to construct approximately 1.75 miles of a new two-lane roadway for the future South Airport Industrial Park. The project consists of grading, drainage, geometric, and pavement design for the new roadways, as well as coordination with South Airport Master

Development Plan. He was responsible for plans production, quantity calculations, and specifications compilation.

Wildlife/Access Control Fencing and Apron Lighting, Hernando County Airport, Brooksville, Florida. Mr. Parish served as staff engineer on this \$600,000 project consisting of the construction of 22,000 feet of chain link fence around the airport's perimeter, the installation of pole-mounted flood lights, and associated electrical work for apron lighting. He was responsible for plans production and quantity calculations.

Taxiway Sierra and Runway 26 Safety Area Embankment, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. Mr. Parish was project engineer for this \$20 million Puerto Rico Ports Authority project involving the addition of rock fill and borrow material into a lagoon, along with other site improvements, to create a platform for a future Taxiway Sierra extension and Runway 26 safety area improvements. He was responsible for plans production and quantity calculations.

Taxiway Sierra Extension Paving and Lighting, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. Mr. Parish served as project engineer for this (estimated) \$18 million Puerto Rico Ports Authority project consisting of the 2,400-foot extension of Taxiway Sierra to create a full-length parallel taxiway beside Runway 8-26. This project includes all necessary paving, lighting, marking, and drainage associated with the taxiway extension. He was responsible for plans production and quantity calculations.

Runway 8-26 and Taxiway Sierra Pavement Evaluation and Study, Luis Muñoz Marín International Airport, Carolina, Puerto Rico. Mr. Parish served as staff engineer during this emergency pavement evaluation of the airport's main runway and parallel taxiway to determine necessary repairs prior to closure of the airport's only other runway. He also aided in pavement condition index (PCI) data collection and analysis.

Runway 17-35 Rehabilitation, Okaloosa County Airports, Bob Sikes Airport, Crestview, Florida. Mr. Parish served as staff engineer for this study of rehabilitation options for Runway 17-35 at Bob Sikes Airport. The project includes the gathering site-specific information, a pavement condition survey, analysis of aircraft activity, analysis of nonstandard grading characteristics, development of rehabilitation options, and preliminary design of the preferred option. He was responsible for helping with the pavement condition study and plans production for the preliminary design.

Aircraft Modification Hangar, Okaloosa County Airports, Bob Sikes Airport, Crestview, Florida. For this \$2.5 million project involving the construction of a 56,000-square-foot steel structure used as an aircraft modification hangar, Mr. Parish served as the resident project representative. Responsibilities included monitoring of the hangar construction and inspection of civil/site-related item activities, as well as coordination of construction and administrative issues among the contractor, owner, and architect.

Taxiway F - Phase II, Okaloosa County Airports, Bob Sikes Airport, Crestview, Florida. Mr. Parish served as resident project representative for this \$1.9 million project, which involved the construction of a concrete

taxiway extension, and the installation of a series of underground utilities including waterlines, gravity sewer, force main, lift station, and power and communication. Responsibilities included inspection of the day-to-day construction activities and coordination of construction and administrative issues between the contractor and owner.

Replace Taxiway Lighting System, Okaloosa County Airports, Bob Sikes Airport, Crestview, Florida. Mr. Parish served as resident project representative for this \$480,000 project involving demolition of the existing taxiway lighting system, installation of a new lighting system and homerun duct bank, and construction of a new concrete masonry unit (CMU) electrical vault. His responsibilities included the inspection of day-to-day construction activities and coordination of construction and administrative issues between the contractor and owner.

Airfield Firefighting and Rescue Facility (ARFF), Okaloosa County Airports, Bob Sikes Airport, Crestview, Florida. Mr. Parish contributed to the quality control/quality assurance (QC/QA) review, site reconnaissance, and final design on this \$3 million project. Work included the removal and relocation of existing utilities and the construction of a four-bay airfield fire station and accompanying utilities and pavement.

Airport Remarketing, Okaloosa County Airports, Bob Sikes and Destin-Ft. Walton Beach Airports, Crestview, Florida. Mr. Parish contributed to the site reconnaissance and initial design on this project, consisting of the remarketing of the majority of the airfield pavement at both airports including runways, taxiways, aprons, and aircraft parking ramps.

Honors and Awards

Florida Bright Future's Scholar
PCC Dean's List
Phi Theta Kappa
Florida Boys State Representative
Future Business Leaders of America

Daniel P. Weiss

Senior Designer

PBS&J

Education

B.S., Construction Management,
South Dakota State
University, 1998

Certifications

Florida Stormwater Inspector

Professional Affiliations

Construction Management
Association of America

Mr. Weiss is an associate project manager with a background in the design, construction and project management of roadway, commercial, industrial, and aviation projects. His engineering experience includes geometric roadway and airfield pavement design, grading, public and private utilities, urban and rural drainage, and lighting and marking of roadways and airfields. Mr. Weiss also has extensive construction experience on Air-Carrier, Commercial Based and General Aviation Airports, as well as experience with transportation, industrial and commercial civil and building projects.

SELECTED PROJECT EXPERIENCE

The Eastern Iowa Airport, Reconstruct Taxiway "C", Cedar Rapids, Iowa

Mr. Weiss served as construction manager for the construction of 2000 feet of taxiway. The new taxiway replaced an outdate pavement section with substandard fillets, drainage capacity, failed subdrains, as well as an aging edge lighting system and other airfield navigation signage. The project encountered poor soil conditions, along with some utility conflicts. Coordination with Airways Facilities, local FAA personnel, as well as airport staff, FAA ATCT staff was key to the completion of the project.

The Eastern Iowa Airport, Rehabilitation of Runway 9-27, Cedar Rapids, Iowa

Mr. Weiss served as field investigation manager and project engineer for the rehabilitation of this 150-foot by 8,600-foot runway. To date, the project has included pavement condition study, preliminary engineering report, and design for the first phase of construction which includes reconstruction of the east end of the runway. The preliminary engineering report included a detailed alternatives analysis to develop a construction phasing program to minimize impacts to airport operations. The overall project budget is \$40 million and will involve three major phases of construction.

Bob Sikes Airport, Southeast Industrial Development, Crestview, Florida

Mr. Weiss served as associate project manager for the design, bidding, and construction phase services for a number of projects that make up the Southeast Industrial Development, which include the construction of Taxiway "F," new CAC maintenance hangar (BSA #1), taxiway/taxilane and site improvements, and VSC hangar and site improvements. Infrastructure improvements including major fire suppression systems, stormwater retention facilities and roadway relocation was also part of the development. The overall construction value of these improvements is in excess of \$10 million.

Tampa International Airport, Consolidated Aircraft Rescue and Firefighting Facility (ARFF), Tampa, Florida

Mr. Weiss served as project engineer for the new ARFF facility, located adjacent to Airside "A" and Taxiway "J." The assignment included a number of unique site design challenges due to its location. Assignments under the project included airfield infrastructure, control tower line of site issues, and site grading/drainage.

Florida Air National Guard (125th Fighter Wing), Rehabilitation of Apron and Taxiways and Construct C-130 Apron, Jacksonville International Airport – Mr. Weiss served as site representative for the construction phase of these assignments, which included the rehabilitation of over 50,000 square yards of apron and taxiway area and construction of a new 10,000-square-yard parking apron for C-130 aircraft.

Bob Sikes Airport, New Aircraft Rescue and Firefighting Facility (ARFF) and Taxiway/Taxilane Improvements, Okaloosa County Aviation Department, Crestview, Florida – Mr. Weiss served as project engineer for the design phase of these assignments, which included a new 15,000-square-foot ARFF facility with four vehicle bays, associated living quarters, and administrative areas. The assignments also include two new connecting taxiways and taxilanes to serve hangars being developed by the AIC and CAC corporations.

Bob Sikes Industrial Airport, Replacement of Airfield Lighting System, Crestview, Florida – Mr. Weiss served as the construction manager for the replacement of the airfield lighting system including a new lighting vault and complete edge lighting system and guidance signage.

Luis Muñoz Marín International Airport, Rehabilitation of Runway 10-28, San Juan, Puerto Rico – Mr. Weiss served as site investigation manager, coordinating testing, documentation of existing site conditions, preparation of the study and estimates for the project, which includes reconstruction of the 150-foot by 8,016-foot runway using an un-bonded PCC overlay, as well as a parallel taxiway and associated connectors and apron areas. The construction budget for the assignment is \$60 million.

Luis Muñoz Marín International Airport, Taxiway “N” Concrete Pavement Rehabilitation, San Juan, Puerto Rico – Mr. Weiss served as the Construction Manager for the design of PCC pavement rehabilitation project. Taxiway November is the main connection taxiway between the two runways at LMMIA and parallel to the International Terminal. The project was stage in eight sequences to facilitate the demands for aircraft movements.

Luis Muñoz Marín International Airport, Salvador V. Caro Entrance Road Signage, San Juan, Puerto Rico – Mr. Weiss served as the construction Manager for the replacement of Existing Airport Signage, as well as the addition of New Signs to better delineate the complex network of roads and entrances serving the International Terminal.

Honeywell International, CAT I Approach Lighting Improvements for the DGAC of Guatemala – Mr. Weiss served as a subconsultant to Honeywell to provide programming assistance and preliminary design services for the installation of CAT I approach lighting at the following airport locations: Guatemala City, Santa Elena, Peten (Tikal), Puerto Barrios, and Puerto San Jose.

Pelorus Navigation Systems, Satellite Landing System Program, Calgary, Alberta, Canada – Mr. Weiss provided site investigation and selection, design, and construction management for the installation of differential global positioning systems (DGPS), local area augmentation systems (LAAS), and ground facility components at the following airports:

- Flughafen Frankfurt A.M., Germany
- Chicago O'Hare International Airport
- Chicago Midway Airport
- Minneapolis-St. Paul International Airport
- Memphis International Airport
- Seattle-Tacoma International Airport
- Guatemala City
- Santa Elena, Peten (Tikal) Guatemala
- Jackson Hole, Wyoming Airport

The Eastern Iowa Airport, Runway 13-31 Improvement Program, Cedar Rapids, Iowa – Mr. Weiss served as project engineer for a series of projects aimed at rehabilitating the existing pavement and extending both ends of the runway to achieve a 150-foot by 6,000-foot air carrier runway.

The Eastern Iowa Airport, GA Apron Reconstruction, Cedar Rapids, Iowa – Mr. Weiss served as project engineer for the preparation of construction documentation for the reconstruction of over 40,000 square yards of apron and taxiway pavements serving the east and west GA facilities on the airfield. The assignment elements included the replacement of existing ACC pavements with a new PCC section as well as extensive improvements to drainage infrastructure.

The Eastern Iowa Airport, New Airfield Maintenance Facility, Cedar Rapids, Iowa – Mr. Weiss served as a construction manager for the design and construction of a new airfield maintenance facility to replace existing facilities, which were both too small and contaminated with asbestos. The new facility incorporates a number of enhancements to streamline airfield maintenance and snow removal operations.

The Eastern Iowa Airport, T-Hangar Development, Phase I and II, Cedar Rapids, Iowa – Mr. Weiss served as project manager and construction manager for the development of infrastructure for the planned construction of six, ten-unit nested T-hangar buildings plus additional "corporate style" hangars. The assignment elements included extension of connecting taxiways, apron/taxiway paving, extension of utilities, and drainage improvements. The first phase of the assignment included the construction of two T-hangar buildings, taxiways and aprons. The second phase included two additional T-hangar buildings, along with associated taxilanes and aprons.

Okaloosa Municipal Airport, Airfield Lighting System Improvements, Okaloosa, Iowa – Mr. Weiss served as staff engineer for the assignment to replace the airfield lighting system for the airport. The assignment elements included a new airfield electrical vault, MIRLs, MITLs, PAPIs, and runway end identification lights systems (REILs).

City of West Des Moines, South Jordan Creek Parkway, Des Moines, Iowa – Mr. Weiss served as inspector and project engineer for the construction of 1.5 miles of new urban roadway. Over 500,000 cubic yards of soil were excavated, along with management of a shale layer, unacceptable in some areas of the fills. Over 8000 lf of watermain, and over 10,000 lf of stormsewer was installed. The final roadway section will consist of 6 thru barrels, complete with turn lanes at 5 intersections.

Ronald J. Cowden, PLS, PSM

Survey Manager

PBS&J

Education

B.S., Building Construction,
Auburn University, 1984

Registrations/Licenses

Professional Surveyor and
Mapper (PSM)
Florida 5323, 1994
Professional Land Surveyor (PLS)
Alabama 20349, 1994

Certifications

Construction Safety and Health
Certification, Occupational
Safety and Health
Administration (OSHA)

Professional Affiliations

Auburn Alumni Association

Florida Surveying and Mapping
Society (FSMS)

Mr. Cowden is a survey manager in PBS&J's north Florida facilities division in the Panama City Beach office. He has 24 years of multidisciplinary experience in land surveying, engineering, and construction management. As a licensed professional surveyor and mapper in the states of Florida and Alabama, Mr. Cowden has surveying credentials that extend throughout the residential, commercial, and industrial construction fields. His areas of expertise include department, project, and production management; civil engineering and architectural design; and subdivision and master plan design through final platting, graphics design, and computer-aided design and drafting (CADD) presentations.

His representative project experience includes:

Roads and Drainage

Task Series 400 MPRAWTF Entrance Road, Tyndall Air Force Base (TAFB), Bay County, Florida. Project surveyor for profile and cross sections of 3,000 linear feet with jurisdictional location survey.

Parker Bayou North Stormwater Design, Bay County, Florida. Project surveyor for topographic survey with right-of-way determination through four miles of residential streets and easements.

Callaway Bike Path Bridge Extension, Bay County, Florida. Performed topographic and jurisdictional location survey with right-of-way determination of existing bridge and upstream/downstream areas.

Mill Bayou Stormwater, Bay County, Florida. Project manager for ditch, creek, and stream cross sections through four-square-mile drainage basin.

Arizona Chemical Stormwater, Bay County, Florida. Project manager for topographic survey of congested plant site for runoff determination.

Mexico Beach Community Development Block Grant (CDBG) Drainage Improvements, Bay County, Florida. Project surveyor for topographic survey with property line determination of 4,000 linear feet of platted canal.

Water

Water Transmission Line, Bay County, Florida. Project surveyor for topographic route survey for proposed water main connecting Mexico Beach to the Bay County system at TAFB.

John Pitts Road Design Watermain, Bay County, Florida. Project surveyor for topographic survey with right-of-way determination through 7.5 miles of residential subdivision.

Ferol Lane Water Design, Bay County, Florida. Project surveyor for topographic survey with right-of-way determination through two miles of residential subdivision.

TAFB Construct Water Mains, Bay County, Florida. Project surveyor for topographic survey along 2.5 miles of U.S. highway through military base.

Tyndall Parkway Water Mains and Sanitary, Bay County, Florida. Project surveyor for topographic survey with right-of-way determination along 3,100 linear feet of U.S. highway through Callaway commercial area.

Bay County Water Treatment Plant, Bay County, Florida. Project surveyor for boundary and topographic survey of 40-acre plant property including hydrographic surveying of sludge holding ponds.

Global Positioning Systems

Bay County Geodetic Control Network Densification, Florida. Project surveyor for first-order geodetic network and "Blue Book" of 56 new stations consisting of intervisible pairs spaced at least 800 meters apart and covering the entire county.

Florida Federal Based Network/Cooperative Base Network HARN Reobservation, Bay County, Florida. Project manager and global positioning system (GPS) receiver operator responsible for campaign of reobserving stations of federal network for ellipsoidal and orthometric height components under technical management of NGS, coordinated by Mr. Ronnie L. Taylor, Florida State Geodetic Advisor.

Bay County Township Corners, Florida. Project manager for the establishment of state plane coordinates and filing of certified corner records for 30 existing township or adjacent section corners as supplements to the Bay County Geodetic Control Network.

U.S. Army Corps of Engineers Monitoring Wells, Panama City, Bay County, Florida. Project manager for the state plane coordinates including elevations established on existing and new wells covering Panama City area office.

Offshore Range Light Structures, Port St. Joe, Gulf County, Florida. Project manager responsible for determining elevations referenced to National Geodetic Vertical Datum of benchmarks placed on offshore range light structures for future use with water level recorders.

Parks & Recreation

PEEP Stage 1 Design, Callaway, Bay County, Florida. Project surveyor for boundary and topographic surveys, tree location survey, and hydrographic survey for boat ramp design. Project also included permitting for Environmental Exploratorium Park.

St. Andrew Marina Survey, Panama City, Bay County, Florida. Project surveyor for boundary and as-built surveys including hydrographic surveys for a large-scale renovation project.

St. Marks Trail, Wakulla County, Florida. Project surveyor for profiles and a pavilion site topographic survey along a three-mile route.

Callaway Recreational Complex, Bay County, Florida. Project surveyor for boundary, topographic, and jurisdictional surveys with construction stakeout for a 77.5-acre proposed sportspark.

Mexico Beach City Park, Bay County, Florida. Project surveyor for topographic survey with coastal construction control line determination of beach park pavilion site.

Mexico Beach Pier Extension Submerged Land Lease, Bay County, Florida. Project surveyor for topographic and hydrographic survey with coastal construction control line determination of pier remnants after hurricane damage.

Apalachicola Battery Park Harbour Walk, Franklin County, Florida. Project surveyor for submerged land lease with boundary, topographic, and hydrographic surveys for marina/park renovation and boardwalk project.

Carrabelle Riverwalk, Franklin County, Florida. Project surveyor for boundary and topographic surveys of downtown streets and waterfront property for boardwalk and pavilion project.

Industrial

Stone Container Cluster Rule Compliance, Bay County, Florida. Project manager for topographic surveying, soil boring locations, and construction stakeout at the Panama City Mill.

Stone Container/Smurfit Merger, Panama City, Bay County, Florida. Project manager for boundary survey of 450-acre mill property.

Solid Waste

Steelfield Landfill Trash and Ash Closure, Bay County, Florida. Project manager for topographic surveying, as-built surveys, and construction stakeout for new cell and roadway construction, old cell closures, and volume calculations.

HDR Bay County Resource Recovery Facility, Bay County, Florida. Project manager for as-built survey of incinerator property for expansion project.

Wastewater

Carrabelle Vacuum Sewer, Franklin County, Florida. Project surveyor for GPS control network, topographic route surveys, and finish floor evaluations over entire city for engineering design.

Mexico Beach Collection System, Bay County, Florida. Project surveyor for GPS control network, topographic route surveys, lift station site topographic surveys, and construction stakeout, including easements and property acquisitions over entire city, combined with data importation to digital aerial raster images.

AWT Easements at TAFB, Bay County, Florida. Project manager, topographic route surveys, easement descriptions, and construction stakeout for reuse, influent, effluent, and transmission pipes totaling over five miles.

Segregation Projects, Bay County, Florida. Project surveyor for aerial photography horizontal control, topographic surveys, and property descriptions of four master pump stations; topographic route surveys of major force mains along 9-plus-mile corridors; topographic surveys, legal descriptions, and construction stakeout of 10 lift station expansion sites; and topographic route survey of 13 miles of Mexico Beach transmission line connecting to the Tyndall WWTP.

Panama City Beach AWT/WWTP Survey, Bay County, Florida. Project surveyor for boundary, as-built, and topographic surveys, as well as legal descriptions of existing 17.5-acre plant property, 14-acre expansion site, and four-acre future reuse site.

Panama City Industrial Park, Panama City, Bay County, Florida. Project surveyor for 763-acre boundary survey, topographic route survey of 27,500 linear feet of graded roadway, and lift station site topographic surveys.

Richard J. Walls, PE

Senior Project Manager

PBS&J

Education

B.S., Electrical Engineering,
University of Central Florida,
1991

Registrations/Licenses

Professional Engineer
Colorado 35445, 2001
Florida 56205, 2000
Ohio 66787, 2002
California 17033, 2004
Kentucky 24644, 2006
Michigan 6201052790, 2005
Georgia 30160, 2004

Professional Affiliations

Illumination Engineering Society
(IES)
Aviation Committee
Society of Hispanic Engineers
(SHE)

Mr. Walls has more than 17 years of experience as an electrical project manager working exclusively in the design, installation, and construction of aviation lighting systems. His expertise includes taxiway and runway lighting systems, computerized airfield lighting control system, addressable airfield lighting control and monitoring systems, runway guard lights, runway stopbars, airfield signage systems, SMGCS, LAHSO, PAPI, MALSF, ALSF, localizers, glideslopes, airfield lighting vaults, power distributions systems, construction phasing and safety, and REIL.

Mr. Walls has a comprehensive understanding of the aviation lighting industry and has developed excellent technical and administrative problem-solving skills through his experience working with large and general aviation airports, manufacturers of airport lighting equipment, contractors, the FAA, and other consultants within the industry. He has the ability to conceptualize, present, and implement ideas that provide practical technical solutions and provide the airports and the FAA with long-term solutions to key issues.

Mr. Walls has a national reputation for the design, construction, and implementation was the recipient of the Shay Lean Memorial Award for best technical presentation at the 2004 IES - Aviation Lighting Conference.

Selected Experience

North Crossfield Taxiway Project, Orlando International Airport, Orlando, Florida. Mr. Walls served as the design review engineer for the electrical work under the airports program manager. The overall project included the installation of the new taxiway edge and centerline lighting, new taxiway signage, update to the existing vault, update to the Siemens Airfield Lighting Control System, and extension of the airport master duct bank system. The validation of the project ensured that the design met all FAA criteria, and the National Electric Code. In addition, constructability and maintainability reviews were completed to ensure that the design met the requirements of the airport.

Bid Package 352, Taxiway E and F Rehabilitation and Improvements, Orlando International Airport, Orlando, Florida. Mr. Walls provided electrical QCAP for this project at Orlando International Airport to design the rehabilitation of existing pavement of the parallel cross-field taxiways. Also included in this project were pavement widening areas designed to accommodate the Airbus A-380 aircraft. Structural and shoulder pavements were widened to meet the requirements of the FAA Engineering Brief No. 63; Use of Non-Standard 75-foot-wide Straight Taxiway Sections for Airbus A380 Taxiing Operations. In addition, where required, fillet and taper structural pavement were widened to conform to FAA cockpit over centerline standards. Construction value of this project was approximately \$11 million.

New Runway 8L-26R, Houston Airport System, George Bush Inter-continental Airport (IAH), Houston, Texas. Served as project manager/-engineer for the electrical design of the CAT III lighting systems on Runway 8L-26R. The assignment included the installation of the new runway edge and centerline lighting system, runway touchdown zone lights, new

taxiway edge and centerline lighting systems, a new in-pavement runway guard light system, and new airfield signage. The runway guard lights employ state-of-the-art technology for electronic control and monitoring. All new lighting systems were incorporated into the existing Airfield Lighting Control System (ALCS). Two lighted Land and Hold Short (LAHSO) bars were installed using modern control, power, and monitoring functions that were integrated with the existing ALCS. An extensive drainage system was designed to minimize water collection and corrosion within the airfield lighting base cans and manholes.

Runway 6-24 Overrun/178th Fighter Wing-Ohio Air National Guard, Springfield, Beckley Municipal Airport, Springfield, Ohio. Served as project manager for the assignment. He designed the electrical rehabilitation of the dual mode ALSFII/SSALR approach lighting system for the joint use military/FAA airport. The assignment consisted of the installation of new steady burning in-pavement fixture, elevated fixtures, and tower-mounted fixtures. The sequential flasher system was completely replaced including the strobes, power and control units, high-voltage trigger wiring, and a power system.

Aircraft Parking Apron/178th Fighter Wing, Ohio Air National Guard, Springfield Beckley Municipal Airport, Springfield, Ohio. Served as project manager for the design of the electrical systems associated with the construction of the new aircraft parking apron. The design included the evaluation of the Part 77 Airspace study to determine the maximum height and location of the high mast apron lighting system. The apron lighting system was controlled via an automated dual mode system that allowed the operator to select between security lighting mode (low intensity) and operational lighting mode (high intensity). Also included in the project was the design of the taxiway lighting and signage systems, fiber-optic communication systems, guard sheds, electric gates, the manhole duct bank system, and the relocation of a digital wind sensor.

Detroit Metropolitan Wayne County Airport, Airfield Lighting Study and Construction Documents, Detroit, Michigan. Served as project manager. Developed and designed documents for construction of the airfield lighting system (five runways and associated taxiways). Mr. Walls' scope of work included the installation of the new electrical vault, rehabilitation of the existing electrical vault, installation of the new fiber-optic, computerized control system, and the new power distribution system, which included the implementation of a dual airfield lighting vault system.

Miami International Airport, Land and Hold Short Operations, Miami, Florida. Prepared contract documentation for the installation of the in-pavement lighted Land and Hold Short Operations stop bars for Runways 9R-27L and 12-30. The project incorporated the latest design guidelines from the FAA (FAA Engineering Brief No. 53 and Draft FAA Advisory Circular). The construction phasing was devised so that no runway would be closed for more than eight hours to enable the installation to have a minimal effect on airport operations.

Electrical Rehabilitation of Runway 17L-35R, St. Petersburg-Clearwater International Airport, St. Petersburg, Florida. Served as project manager/designer. Mr. Walls developed and designed construction documentation for the rehabilitation of the lighting systems for the primary

Runway 17L-35R and its associated taxiway. The assignment included the installation of the new high-intensity runway lighting system, the new medium-intensity taxiway lighting system, and the new in-pavement runway guard light system. During the conceptual phase of the assignment, the airfield lighting study was completed, which analyzed the existing airfield conditions and made recommendations for improvement of the overall performance of the lighting systems. In addition, a new computerized Airfield Lighting Control System (ALCS) was installed that consists of three subsystems located in the ATCT, the Flight Services Center, and the existing Airfield Lighting Vault. The ALCS allows the ATCT or Flight Service Center to control all of the lighting systems on the airfield.

Electrical Rehabilitation of Airfield Lighting System, Opa Locka Airport, Miami, Florida. Served as project manager/engineer for the fast-track assignment for the electrical rehabilitation of the entire airfield lighting system (four runways and associated taxiways). The assignment included the installation of the new elevated edge lighting system, development and implementation of the new airfield signage system, new circuiting with a cable management system, installation of an airfield lighting vault, and a computerized touch screen control system.

Airfield Light Monitoring System and In-Pavement Taxiway Centerline Lights, Detroit Metropolitan Wayne County Airport, Detroit, Michigan. Served as project manager/engineer for the new in-pavement centerline lighting system along existing Taxiway F and an addressable monitoring system for Runway 3L-21R. The addressable monitoring system provides remote monitoring of the runway lighting systems in the maintenance centers and operations center.

Honors and Awards

Shay Lean Memorial Award at the 2004 Illumination Engineering Society (IES) - Aviation Lighting Conference

Christopher R. Hack, PE

Drainage Designer

PBS&J

Education

B.S., Mechanical Engineering,
Florida Atlantic University,
1980

Registrations/Licenses

Professional Engineer
Florida 37830, 1987

Professional Affiliations

Honor Society of Phi Kappa Phi

Mr. Hack is a drainage designer for roadway projects with PBS&J's transportation drainage program in the central/north Florida transportation design division. With 26 years of experience, 16 years of which were with the Florida Department of Transportation's (FDOT) Bartow, Chipley, and Tallahassee offices, Mr. Hack has considerable expertise in the field of drainage design, as well as project management and supervision of roadway design crews. Prior work experience includes the design and construction of water supply systems for nuclear power plants for the Tennessee Valley Authority (TVA).

Mr. Hack's representative project experience includes the following:

Tallahassee Transportation Program. Mr. Hack is the lead transportation drainage engineer in the Tallahassee office. He has been the responsible drainage designer for several major state road projects in the design and project development phases. His group is responsible for preparation of drainage documentation, bridge hydraulic reports, location hydraulic reports, stormwater permit packages and the drainage components of the construction plans.

FDOT, District Three, Chipley, Florida. As district drainage engineer, Mr. Hack supervised and directed all activities of the Drainage department. In this capacity, he was responsible for design of the drainage systems and bridge hydraulics prepared by the department. Additional responsibilities included review of the drainage systems, location hydraulic reports, and bridge hydraulics of numerous consultant projects. Mr. Hack also supervised the review and approval of site development plans to ensure compliance with the department's drainage connection rule.

FDOT District One, Bartow, Florida. Mr. Hack served in several capacities as drainage designer, senior roadway designer, and project manager. As drainage designer, he prepared several location hydraulic reports for project development and environment (PD&E) studies, designed roadway drainage systems for urban and rural projects, and reviewed the drainage systems and bridge hydraulics of numerous consultant-prepared roadway plans. As senior designer, Mr. Hack was responsible for the production and technical aspects of roadway plans produced by 15 design engineers and technicians; as project manager, he coordinated the plans preparation of several consultant projects.

FDOT Central Roadway Design Office, Tallahassee, Florida. Mr. Hack developed and modified drainage-related design standards and specifications for statewide use. He was the primary author of the *FDOT Storm Drain Handbook*, the *Stormwater Management Facility Handbook*, and the *Erosion and Sediment Control Handbook*. He represented the drainage design section on the District national pollutant discharge elimination systems (NPDES) coordinators team, and the District senior roadway designers team. In addition, he managed several research projects involving rainfall distribution studies, inlet efficiencies, and losses in utility conflict structures. He also developed and taught the Department's basic culvert hydraulics course, and supported the implementation of GEOPAK drainage software by reviewing, suggesting changes, and writing a help document for the engineering CADD systems office.

US 98 Segment 1 Realignment, Gulf County. Mr. Hack was the responsible drainage engineer for this project that consisted of relocating approximately 3.5 miles of a two-lane rural facility. Specific tasks included the design of stormwater management facilities, cross drains, and the preparation of a bridge hydraulic report and stormwater permit documentation.

US 98, Bay County, Panama City Beach. A community redevelopment project involving the addition of tram lanes, sidewalks, and aesthetic amenities to approximately eight miles of Front Beach Road. Mr. Hack was responsible for preparing a drainage concept report that evaluated alternative schemes for providing stormwater management while minimizing outfalls to the beach.

US 98 Segment 2 Realignment, Gulf County. As an extension of the Segment 1 realignment, this was a 5.3-mile rural, two-lane roadway along a new alignment. Specific tasks included the design of stormwater management facilities, cross drains, and the preparation design and stormwater permit documentation.

FDOT/ FICE Drainage Courses. Mr. Hack helped developed several of the FDOT drainage design classes. These included the Basic Culvert Hydraulics class, the Storm Drain Design class, and the Pond Design class. Mr. Hack teaches these courses several times a year as requested by FICE and FDOT.

SR 674, Hillsborough County, Tampa, Florida. Mr. Hack's responsibilities on this project included multi-lane urban and rural reconstruction involving stormwater management facilities, storm drains, cross drains, and a Federal Emergency Management Agency (FEMA) floodway crossing requiring HEC-2 analysis. Additional project work on this highway included the two-lane rural widening and resurfacing that involved cross drains and side drains.

SR 60, Polk County, Bartow, Florida. Mr. Hack provided drainage design services for the multi-lane rural reconstruction of this highway, which involved stormwater management facilities and cross drains.

I-75, Sarasota County, Florida. On this project, Mr. Hack was involved in the interchange design with storm drains, stormwater management facilities, and cross drains.

US 41, Collier County, Florida. Mr. Hack was project manager for approximately one mile of multi-lane reconstruction.

US 319, Leon County, Florida. Mr. Hack provided services for this multi-lane reconstruction project, which involved storm drains and a joint use regional stormwater facility.

SR 22, Bay County, Florida. Mr. Hack provided drainage designs for the two-lane widening and resurfacing of this highway. The project involved cross drains, side drains, storm sewer, and outfall improvements.

Jason T. Ripley, EI

Engineer

PBS&J

Education

B.S., Civil Engineering, Florida
State University, 2002

Certifications

Engineer Intern (EI), Florida
(1100007605)

Professional Affiliations

Florida Engineering Society (FES)

Software

Autodesk Land Desktop 2004,
Microstation Version 7 and
Version 8, ICPR, StormCad,
WaterCad, SPT 97, LPILE
Version 4.0, LPILE Group
Version 4.0, SHAFT Version
4.0, STABLPRO Version 2.0,
MathCad, ConCad, and
Primavera.

Mr. Ripley is a civil engineer with PBS&J's north Florida civil engineering division. His areas of expertise include land development with an emphasis on stormwater management. He has past work experience as a geo-technical engineer in Tallahassee where he assisted in geotechnical investigation and development of design recommendations for a variety of civil engineering projects specializing in roadway and bridge design and the analysis retaining wall systems and proposed stormwater facility sites.

His most recent work experience includes:

SouthWood. Mr. Ripley serves as design engineer for a variety of parcels and roadways in the SouthWood Community. Responsibilities include stormwater conveyance and SWMF design, sanitary sewer and water layout and design. His past projects within the SouthWood Community from a stormwater perspective have dealt with the design of dry detention treatment ponds with filtration and their integration into the stormwater master plan for the entire community.

SummerCamp. Assisted in stormwater design and permitting for SummerCamp, a 540-acre community along the Gulf of Mexico. SummerCamp consists of 499 residential units and amenities. Due to challenging site constraints a wide variety of traditional BMPs were implemented such as wet detention ponds and vegetative swales as well as exfiltration trenches, side bank filters, pervious pavers with underdrains, and vegetative natural buffers.

FSU Intramural Fields. Served as the design engineer for the stormwater system for the new Intramural Sports Outdoor Complex is to be built at Florida State University's Southwest Campus, which is located approximately 1.5 miles southwest of the Main Campus. The project consisted of the design and permitting of two retention ponds and an extensive conveyance system to serve the 108 acre site.

NWFWMD. Served as the design engineer for the proposed office expansion for the Northwest Florida Water Management District consisting of the addition of one office building and the associated parking area on a heavily wooded 2 acre parcel. The stormwater system was designed to incorporate an off-line exfiltration trench for treatment and an on-line retention/-detention facility design to meet both volume and rate requirements.

Amy L. Wooley, PE

Engineer

PBS&J

Education

M.B.A., Business, University of
Central Florida, 2002

B.S., Civil Engineering, Auburn
University, 1996

Registrations/Licenses

Professional Engineer
Florida 56796, 2001

Professional Affiliations

Chi Epsilon Civil Engineering
Honor Society
Tau Beta Pi
Civil Engineering Honor
Society
Toastmasters
International

Software

MicroStation, GEOPAK Road,
GEOPAK Drainage, AdICPR,
CHAN, ASAD, WSPRO, HEC-
II, and HEC-RAS.

Ms. Wooley, with more than 13 years of experience as an engineer in the transportation design division, is involved in the design of stormwater systems, ditch conveyance systems, stormwater management facilities, and erosion control measures; the review of construction plans and drainage documentation; the development of stormwater models; and the production of construction plans for drainage design. Her software expertise includes MicroStation, GEOPAK Road, GEOPAK Drainage, AdICPR, CHAN, ASAD, WSPRO, HEC-II, and HEC-RAS.

Ms. Wooley's relevant experience includes the following projects:

Districtwide Miscellaneous Drainage Contract, Florida, Florida

Department of Transportation (FDOT) District Five. Ms. Wooley serves as the project manager for this FDOT contract, which includes drainage design reviews, drainage study, and drainage design plans. Ms. Lundin has developed drainage design plans for US 17-92 in DeLand, Florida, as well as developed plans for a storm sewer force main to alleviate flooding within Terrace Hills Condominiums in Debary. She also serves on FDOT's Drainage Technical Advisory Committee.

Storm Drain Design Course, FDOT. Ms. Wooley developed the presentations and class problems for a storm drain design course based on the FDOT Storm Drain Handbook. She has taught the class five times throughout the State of Florida.

I-4 Management Contract, FDOT, District Five. Ms. Wooley serves as the lead drainage reviewer for the I-4 Management contract. She has reviewed plans, drainage documentation, pond siting reports, and bridge hydraulics reports for numerous design sections of I-4 within District Five.

Rouse Road Drainage Design, Orange County, Florida. Ms. Wooley was the lead drainage engineer for the widening of a 4.5-mile segment of Rouse Road. Tasks included retrofitting six existing ponds, design of five new stormwater management facilities, design of a flood-plain compensation area, storm sewer design, cross-drain design, pipe design to replace 3,300 feet of canal, and acquisition of environmental permits from the St. Johns River Water Management District (SJRWMD) and the U.S. Army Corps of Engineers (USACOE).

John Gives Road, Bob Sikes Airport, Okaloosa County Public Works, Crestview, Florida. For this project, Ms. Wooley was responsible for the drainage design associated with the 1,000-foot extension of John Givens Road located at Bob Sikes Airport. Tasks included design of a dry detention pond and the acquisition of environmental permits from the Florida Department of Environmental Protection (FDEP) and Okaloosa County. Ms. Wooley has also been involved in the drainage design and permitting of several miscellaneous projects at the airport.

I-10/I-110 Widening and Reconstruction, FDOT District Three, Escambia County, Florida. Ms. Wooley was responsible for drainage design for widening of 3 miles of I-10, reconstruction of the I-10 interchanges with I-110 and SR 291, and widening of 1.4 miles of I-110. Tasks include design and modeling of six stormwater management facilities,

design of storm sewer systems, ditch design, development of phased erosion-control plans, design of temporary drainage systems, and the acquisition of environmental permits from FDEP and USACOE.

U.S. 41 Drainage Design, FDOT District Three, Lee and Collier Counties, Florida. Ms. Wooley was the lead drainage engineer for the widening from four to six lanes of 2.5 miles of US 41 in Lee and Collier counties. Tasks included design of a storm sewer system for a 1-mile urban section, design of ditch conveyance system for 1.5 miles of rural section, design of a 15-acre stormwater management facility, design of treatment swales, preparation of an environmental resource permit (ERP) for South Florida Water Management District (SFWMD), and coordination with FDOT District One for drainage plans production.

Bee Line Expressway (SR 528)/Central Florida Greenway (SR 417) Interchange Improvements, Orlando-Orange County Expressway Authority (OOCEA), Orlando, Florida. Ms. Wooley was the lead drainage engineer for the addition of 2.5 miles of auxiliary lanes at the SR 417/ SR 528 interchange. Design tasks included regrading ditches, extension of cross drains, modifications to eight stormwater management facilities to provide additional treatment and attenuation volume, and modifications to SJRWMD and SFWMD permits.

McCoy Road/TPC Drive Drainage Design. Ms. Wooley was the lead drainage engineer for the design of a 0.5-mile section of new roadway located in Lee Vista Center in Orange County. Tasks included design of the storm sewer system for TPC Drive, design of ditch conveyance system for McCoy Road, design of two stormwater management facilities to meet permitting criteria for SJRWMD and the City of Orlando, preparation of dredge-and-fill sketches, and preparation of an ERP application for SJRWMD.

State Road 11/Middle Haw Creek Bridge Widening, FDOT District Five, DeLand, Florida. For this project, Ms. Wooley completed a bridge hydraulics report that included a hydrologic analysis of the Middle Haw Creek watershed and hydraulic analysis of the existing and proposed bridges to determine the water surface profile for 50-year, 100-year, and 500-year storm events. A scour analysis was performed to determine potential scour depths for 100-year and 500-year storm events, and a bridge hydraulics recommendation report was prepared that showed the design of the proposed bridge and scour countermeasures.

Orange County Miscellaneous Stormwater Engineering Services, Orange County, Florida. Ms. Wooley's participation under this contract included preparation of construction plans, and drainage and technical provisions for several Orange County design projects intended to alleviate flooding and erosion problems. Tasks also included development of conceptual design alternatives, development of cost estimates for each alternative, and coordination with utilities and permitting agencies.

Design Reviews, FDOT District Three, Chipley, Florida. Ms. Wooley reviewed construction plans and drainage documentation for numerous design projects for the District.

Western Expressway (SR 429), Orlando-Orange County Expressway Authority (OOCEA), Orlando, Florida. For this OOCEA project, Ms. Wooley reviewed construction plans and drainage documentation.

Sebring Airport and Industrial Park, Sebring Airport Authority, Sebring, Florida. This project included the preparation of a stormwater master plan for a 1,400-acre project site. Tasks in which Ms. Wooley was involved included extensive data collection of existing land use, soil types, and wetlands conveyance systems. The project also involved development of an existing conditions stormwater model that included a 2-mile canal, development of a proposed condition stormwater model that included all future development on the project site, and all proposed stormwater management facilities needed to meet SFWMD permitting requirements.

Sebring International Raceway Hotel Project, Sebring Airport Authority, Sebring, Florida. Ms. Wooley prepared construction plans for a stormwater management pond for the hotel site, as well as a 2,500-foot-long berm to accommodate further expansion of the pond due to future development at Sebring Airport and Industrial Park. Preparation of an ERP application for SFWMD was also provided.

US 84 Widening, Mississippi Department of Transportation (MDOT), Jackson, Mississippi. Ms. Wooley provided cross-drain design and roadway ditch design for 10 miles of the widening of US 84 from two lanes to four lanes.

Turnpike Drainage Assessment, FDOT Florida's Turnpike Enterprise. Ms. Wooley assessed pre- and post-construction drainage patterns along 21 miles of SR 81, Florida's Turnpike, in Orange and Lake Counties. The assessment involved the review of original drainage basins and redelineation of basis for comparison, roadway drainage design, soils, and land use.

Fort Lauderdale Airport, City of Fort Lauderdale, Florida. Ms. Wooley designed and prepared construction plans for a stormwater pond located in FDOT right-of-way (ROW) to accommodate additional development at the Fort Lauderdale Airport.

Ocklawaha River Restoration Project, FDEP, Tallahassee, Florida. Ms. Wooley simulated various restoration conditions of the Ocklawaha River in Putnam County using HEC-RAS to determine the optimum length of Rodman Dam removal. The work effort on this project included modeling floodplain and groundwater elevations in response to various dam removal alternatives, modeling and characterizing river water quality and habitats under existing and restored conditions, designing erosion and nuisance species control measures, designing treatment systems to control downstream loadings of nutrients and suspended solids, preparing State ERP and water use permit (WUP) applications, preparing a federal environmental impact statement, preparing construction cost estimates, and designing a monitoring program to gauge the success of the project in terms of water quality and habitat utilization.

Professional Development

WSPRO, December 1997

Stream Stability and Scour at Highway Bridges, July 1999

ICPR Hands-On Training, August 1999

Marisol C. Elliott

*Group Manager – Aviation Planning
PBS&J*

Education

M.P.A., Public Administration,
University of Baltimore, 1999
B.S., Aviation Management,
Florida Institute of
Technology, 1992

Professional Affiliations

Airport Consultants Council
(ACC)
American Association of Airport
Executives (AAAE)
Florida Airports Council (FAC)

Ms. Elliott is currently directing the operations of PBS&J's national aviation planning group. She has more than 15 years of aviation planning experience acquired through various projects at several large/medium-hub commercial service and general aviation airports. Her diverse background has provided her with a variety of experience within the aviation industry including airport master planning; airside, terminal, and landside feasibility studies; and project management. Ms. Elliott's current general responsibilities with PBS&J include the management and/or production of airport planning projects.

Ms. Elliott's PBS&J project experience includes:

Reno-Stead Airport Master Plan Update, Reno, Nevada. Project manager/lead technical planner responsible for development and coordination of project tasks, schedule, and overall production. This project for the Reno-Tahoe Airport Authority involves an inventory of existing conditions, aviation demand forecasts, demand/capacity analysis, development of alternatives, environmental overview, airport layout plan, and financial plan.

Tuscaloosa Regional Airport Master Plan Update, Tuscaloosa, Alabama. Project manager/lead technical planner responsible for the development and coordination of project tasks, schedule, and overall production. This project for the Tuscaloosa Regional Airport involves an inventory of current facilities and forecasts of aviation activity as well as assesses the need for additional development and provides a plan, including cost estimates, for additional future aviation development/rehabilitation. An airport layout plan will be developed as part of this effort.

Before joining PBS&J, Ms. Elliott's project experience with other companies included:

North Perry Airport Master Plan Update – Broward County Aviation Department, Broward County, Florida. Lead planner responsible for examining possible airside, landside, and support facilities development alternatives to best meet the Airport's long-term aviation needs. Responsible for the technical review of the airport layout plan (ALP) set.

Aviation Demand Forecasts – North Palm Beach County General Aviation Airport, North Palm Beach County, Florida. Lead planner responsible for the development of the 20-year forecasts of aviation activity including based aircraft, based aircraft fleet mix, and annual aircraft operations along with consideration of aviation activity peaking characteristics.

Hawkins Field Runway Length Assessment – Jackson Airport Authority, Jackson, Mississippi. Lead planner responsible for determining whether the current runway system was adequate to serve existing and future demand or if an extension to the primary runway should be proposed. Based on information collected, she performed a runway length analysis for a variety of business jets. The results supported the need to extend the primary runway.

Long Range Needs Assessment – Baltimore/Washington International Thurgood Marshall Airport, Baltimore, Maryland. Lead planner responsible for the inventory, demand/capacity, and facility requirements for landside facilities (curbside/roadways/parking), commercial ground transportation (bus, limos, taxicabs), rental car facilities, intermodal transportation (regional and commuter rail), and airport support facilities.

Terminal “A” Modernization Program at Newark International Liberty Airport – Port Authority of New York and New Jersey, New York/New Jersey. Terminal planner responsible for examining existing terminal deficiencies for the check-in lobby and processing areas, passenger screening checkpoints, hold rooms, the amount and location of concessions, outbound baggage screening and sorting, and the arrivals bag claim area. Assisted in developing terminal space parameters and future program to support expansion. In addition, provided technical oversight of aircraft gate utilization and development of the design day schedule (ramp chart).

On-Call Planning Services, Baltimore/Washington International and Martin State Airports, Baltimore, Maryland. Project manager responsible for client coordination and communication, management of eight sub-consultants and internal project staff, and development of scope, budget, and schedule, as well as technical review for major airside, terminal, landside, environmental, and management studies.

Terminal Development Study – Baltimore/Washington International Thurgood Marshall Airport, Baltimore, Maryland. Task manager responsible for identifying the most viable terminal expansion plan to accommodate future demand levels and maximize capacity, while being functionally efficient, cost effective, and flexible enough to accommodate future changes in security and passenger and baggage processing procedures. Current passenger volumes and flows of facility users within the terminal were identified and documented which included a 7-day passenger survey. A capacity analysis of each functional/processing area and concourse during peak periods to determine the adequacy of the existing space and configuration was conducted. A terminal space program identifying and quantifying space requirements to accommodate future passenger demand levels was developed. Conceptual development alternatives and final plan were prepared, cost estimates and construction phasing was prepared, and future aviation trends and technological advancements were researched and documented. The final recommendations included the implementation of a fully integrated baggage handling system and new baggage claim equipment.

Hotel Siting Study – Baltimore/Washington International Thurgood Marshall Airport, Baltimore, Maryland. Task manager responsible for providing technical analysis and review of assessing the physical feasibility of a hotel in close proximity to the Terminal Building at BWI with respect to terminal circulation roadways, public parking, terminal development, air traffic control tower visibility, and critical airspace surfaces defined in 14 CFR Part 77, *Obstructions Affecting Navigable Airspace*. Results of the FAR Part 77 analysis indicate that the height of the proposed hotel would be restricted by the horizontal surface. An air traffic control tower (ATCT) line-of-sight analysis was also conducted based on the existing tower and possible future locations.

Aircraft Maintenance Study – Baltimore/Washington International Thurgood Marshall and Martin State Airports, Baltimore, Maryland.

Lead planner responsible for technical analysis and facility layout including aircraft hangars, warehouse/shops/administrative space, aircraft apron, wash pad, employee parking, and access road. Other considerations included security, ATCT line of sight, 14 CFR Part 77, *Objects Affecting Navigable Airspace*, environmental issues, impact to navigational aids (NAVAIDs), land use compatibility, and aircraft rescue and firefighting (ARFF)/fuel truck access.

Landside Development Plan – Baltimore/Washington International Thurgood Marshall Airport, Baltimore, Maryland.

The \$1.8 billion program included constructing an 8,400-space parking garage, consolidating rental car operations at a separate facility, widening and extending the upper and lower level terminal roadways, constructing new terminal access roadways, and installing pedestrian skywalks over the terminal roadway and building over 500,000 square feet of additional terminal space. Task manager responsible for directing and reviewing technical documents from professional planning and design consultants; gathering, coordinating, and compiling design and development projects into one cohesive drawing used to present entire program to the executive director, key senior airport staff, and stakeholders; preparing documentation to provide background information, forecasts, and justification reasons why projects were needed; presenting technical information and supporting graphics to the Maryland Aviation Commission to obtain their support for the largest capital expansion program to date (with successful outcome); participating in the presentation of technical findings and graphics to the Maryland Department of Transportation Secretary during the Maryland Legislative hearings in order to provide the Secretary with the needed materials to persuade the Governor and other Legislative officials to support funding the Landside Expansion Program (with successful outcome); and brainstorming with the executive director and other senior airport officials on strategy, content, and format of marketing campaign geared toward informing and gaining critical support of airlines, vendors, key stakeholders, airport employees, and the general public for proposed design projects.

Automobile Parking Feasibility Studies – Baltimore/Washington International Thurgood Marshall Airport, Baltimore, Maryland.

Lead planner responsible for addressing public parking needs and recommending the construction of a parking garage within the main terminal area. The report described the maximum height of the garage based on 14 CFR Part 77, *Objects Affecting Navigable Airspace*, height of each floor, sizes of parking stalls, ramp configurations, identification of garage traffic flow and planned entrances and exits (including number and location of toll booths), location of elevators and stairwells, pavement marking and signage, adjacent roads, stormwater management and drainage, utilities, aesthetics, accommodation of buses and future people mover station, passenger bridges to future terminal development, detailed cost estimates, and phasing schedule of construction. The “Daily Garage” opened in 2004 on the recommended location.

Strategic Plan – Maryland Aviation Administration, Maryland. Task manager responsible for coordinating with BWI executive director, Maryland Department of Transportation senior officials, and key BWI

airport management staff to compose vision and mission statements. Met with key stakeholders to discuss existing deficiencies and future demand, and gathered input on key considerations to be included in the plan. Identified primary market area, and gathered other pertinent inventory data and key issues. Developed strengths, weakness, opportunities, and threats (SWOT) analysis. Defined, through consensus, clear and measurable goals and objectives. Developed final plan including glossy brochures to be distributed to Maryland legislative officials, employees, and the general public.

Martin State Airport Master Plan Update, Baltimore, Maryland. Lead planner responsible for data collection, aviation demand forecasts, airside/landside capacity analyses, environmental considerations, financial plans, and airport layout plan development. Prepared the executive summary and associated AutoCAD drawings and diagrams. This project involved public hearings and meetings with local, state, and federal coordinating agencies, as well as local citizen groups.

Heliport Study – Martin State Airport, Maryland. Lead planner responsible for developing an optimal layout based on Federal Aviation Administration (FAA) Advisory Circular 150/5390-2B, “Heliport Design” and obstruction criteria set forth in 14 CFR Part 77, *Objects Affecting Navigable Airspace*.

Environmental Assessment for Proposed Maryland Aviation Administration (MAA) Development at BWI Airport (2000–2005), Baltimore, Maryland. Airport planner responsible for assisting with the preparation of an environmental assessment in accordance with FAA guidance documents and State of Maryland regulation, which, resulted in a Finding of No Significant Impact (FONSI). This comprehensive environmental assessment addressed all projects that are currently expected by the airport to be operational by the year 2005 and that are ripe for decision, except for several smaller projects for which categorical exclusions are anticipated. The nature of a comprehensive environmental assessment, the general process of planning, design, and construction of facilities at any airport, and the fast track development of several projects at BWI, necessitated environmental review of projects in varying stages of definition/design.

Philadelphia International Airport Environmental Impact Statement (EIS), Philadelphia, Pennsylvania. Airport planner responsible for the development of the alternatives analysis section of the EIS. The purpose of the alternatives analysis is to identify alternatives that fulfill the objectives of the purpose and need – reduce delay, increase capacity, and provide the airport with the ability to meet future market demand. The alternatives analysis also identifies alternatives that are reasonable as defined in the Council on Environmental Quality regulations.

Phillips Army Airfield Joint-Use Study, Aberdeen, Maryland. Airport planner for a feasibility study for the joint use of Phillips Army Airfield. Responsible for planning potential airside and landside development options to accommodate a general aviation facility supporting corporate aircraft, large jet maintenance, and specialized cargo operations. In addition, the study addressed potential options to accommodate industrial development.

Jonathan D. Hand

Senior Aviation Planner

PBS&J

Education

B.S., Aviation Management (with Flight), Florida Institute of Technology, 0

Certifications

Federal Aviation Administration (FAA) Licensed Commercial Pilot Single and Multi-Engine Aircraft with Instrument Rating
Path Planner COLSSE, 2001

Software

AutoCAD I214 2:06
Land Desktop
Path Planner
SIMMUD
20AAP
FAA Airport Design Software
Microsoft Office Applications

Mr. Hand is a senior aviation planner in PBS&J's national aviation planning group/Orlando, Florida office. He has seven years of airport development and design experience including project management and aircraft parking and ramp planning, 3D airspace protection planning and air traffic control shadow studies, airport master plans and aircraft simulation analysis, forecasting and feasibility studies, land use planning and noise analyses, airport layout plans and wind analyses, and airfield design/layout. Mr. Hand is also a Federal Aviation Administration (FAA)-licensed commercial pilot with multi-engine and instrument ratings.

Mr. Hand serves/served as an airport planner for the following PBS&J projects:

McAllen Miller International Airport Airspace Analysis (Simon Property Group), McAllen, Texas. Modeled and analyzed each obstacle identification/clearance surface overlying the La Plaza Mall, in order to determine airspace impacts associated with the proposed Mall expansion.

Airport Master Plan Update, Okaloosa Regional Airport, Valparaiso, Florida. Obtained FAA approval of forecast analyses aimed at predicting levels of aviation activity through the 20-year planning period in order to establish the foundation by which needs for future facilities is currently being determined.

Airport Master Plan Update, Destin/Fort Walton Beach Airport, Destin, Florida. Obtained FAA approval of forecast analyses aimed at predicting levels of aviation activity and based aircraft through the 20-year planning period in order to establish the foundation by which needs for future facilities is currently being determined.

Airport Master Plan Update, Bob Sikes Airport, Crestview, Florida. Conducted forecast analyses aimed at predicting levels of aviation activity and based aircraft through the 20-year planning period in order to establish the foundation by which needs for future facilities is currently being determined.

Helicopter Noise Modeling Analysis, Palo Alto, California. Created noise models simulating Medivac helicopter operations in order to assess the existing noise at the Stanford University Medical Center, and evaluate the impacts of a relocated heliport and increased operations proposed for the near future.

Before joining PBS&J, Mr. Hand served as airport planner for the following projects:

Continental Airlines, Concourse D, Cleveland Hopkins International Airport, Cleveland, Ohio. Developed aircraft parking layouts used to maximize the safety, efficiency, and capacity of Concourse D which serves Continental's Regional Jet (RJ) and turbo-prop commuter aircraft. Revised the aircraft parking plan for the entire Concourse D to provide Continental Airlines with the ability to introduce new aircraft to their fleet such as the CRJ-700, 0200, and 0400. Achieved the flexibility to accommodate narrow body aircraft at gates originally designed to serve regional jets. Created

ultimate aircraft parking layouts reflecting removal of the existing temporary piers. Ensured that existing passenger boarding bridges could dock to the revised fleet without exceeding their maximum allowable slope of 8.33 percent required by the Americans with Disabilities Act (ADA). Created the apron marking plan to reflect the aircraft fleet changes.

Indianapolis International Air Cargo Study, Indianapolis International Airport, Indianapolis, Indiana. Conducted an inventory of existing utilities at two separate development sites. Produced utility plans exhibiting the various utilities at each site.

Continental Airlines Maintenance Hangar – Group IV Winglet Evaluation, Cleveland Hopkins International Airport, Cleveland, Ohio. Analyzed the capabilities and flexibility of the existing hangar to serve next generation Boeing 737s with winglets. Developed parking alternatives for two adjacent 737-800s with winglets. Presented hangar expansion alternatives to maximize the operational flexibility and safety of the multiple 737 ingress and egress operations to and from the hangar.

Airport Master Plan and Airport Layout Plan Updates, Sandusky County Regional Airport, Fremont, Ohio. Produced the Airport's first non-conceptual airport layout plan. Collected, compiled, and updated the Airport's inventory. Developed forecasts of based aircraft and airport operations for the 20-year planning period. Determined facility requirements needed to accommodate the forecast aviation growth. Produced alternatives for future development of the Airport facilities. Developed noise exposure maps (NEMs) for the Airport's existing and future conditions using Integrated Noise Modeling (INM) software.

Airport Layout Plan, Paradise/Whitefish Township Regional Airport, Paradise, Michigan. Developed the conceptual airport layout plan set for a new airport at a "green field" site. Identified hazards to future airport expansion caused from multiple airspace obstructions. Provided mitigation measures to protect the airport's airspace.

Group V Aircraft Analyses, Airborne Airpark, Wilmington, Ohio. Simulated Boeing 747 taxi operations at each runway/taxiway intersection at the Airport. Used simulations to design Group V connector taxiway fillets.

3D Airspace Analyses and Report, Rickenbacker International Airport, Columbus, Ohio. Modeled and analyzed each airspace obstacle identification/clearance surface associated with the Category II Precision Instrument Approach to Runway 5R including Terminal Instrument Procedures (TERPS) Approach and Missed Approach Surfaces, FAR Part 77 Primary, Approach, Transitional, Horizontal, and Conical Surfaces, FAA Advisory Circular 150/5300-13 Appendix-2 Approach and One-Engine Inoperative Surfaces, and the Tactical Air Navigation (TACAN) Clearance Cone. Identified impacts to the above airspace from a proposed multi-model cargo development.

Runway Relocation Analysis, Airport Layout Plan, and Environmental Assessment, Salem Municipal Airport, Salem, Indiana. Determined the runway alignment by conducting wind-rose analyses of three surrounding airports. Identified the most environmental, social, and cost-beneficial alternative. Presented alternatives in public outreach meetings and engaged

with concerned citizens. Updated the airport layout plan to reflect the recommended and preferred alternatives. Established coordination with federal and state agencies to identify/mitigate environmental impacts and developed the purpose and need of the environmental assessment.

Airport Master Plan and Airport Layout Plan, Bellefontaine Regional Airport, Bellefontaine, Ohio. Developed a user survey to determine the needs of the current and future Airport users. Developed Airport activity forecasts and identified future airport facilities requirements. Produced the Airport's first non-conceptual airport layout plan and updated the Airport's master plan reflecting the recommended future and ultimate Airport facilities improvements. Conducted 3D airspace analysis of the Airport's Part 77 obstacle clearance surfaces.

Airport Layout Plan, Grayling Army Airfield, Grayling, Michigan. Cultivated the Airport's first airport layout plan and documented the existing conditions of the Airport. Produced alternatives for future and ultimate phases of development.

Aircraft Parking Layout Plan for Concourse D, Louis Armstrong New Orleans International Airport, New Orleans, Louisiana. Developed the aircraft parking layout and apron marking plan. Simulated and analyzed aircraft power-in and push-back maneuvers. Simulated and analyzed passenger boarding bridge operational feasibility.

Master Plan and Airport Layout Plan Updates, Capital City Airport, Lansing, Michigan. Developed the aviation support facilities inventory. Established the aviation support facilities requirements. Produced alternatives for future development of the aviation support facilities.

Risk Assessment, Detroit City Airport, Detroit, Michigan. Analyzed the potential rebirth of scheduled commercial service resulting from a runway extension. Developed the report explaining the findings of the analysis.

Midfield Terminal Program, Indianapolis International Airport, Indianapolis, Indiana. Conducted aircraft operations simulations to aid in the airfield geometry development. Produced an aircraft parking plan for a 40-gate concourse with expansion capabilities. Developed the passenger boarding bridge layout for each of the 40 gates. Analyzed the apron's aircraft inbound and outbound operational flow throughout.

Midfield Deicing Facility, Cleveland Hopkins International Airport, Cleveland, Ohio. Simulated aircraft movements on the designed midfield deicing facility using PathPlanner. Performed airfield capacity and delay analyses utilizing SIMMOD.

Intermodal Transportation Security Initiative (ITSI) Feasibility Study, Luis Munoz Marin International Airport, San Juan, Puerto Rico. Evaluated the integrations of ITSI for the major ports on the island of Puerto Rico.

Master Plan Update, Southwest Florida International Airport, Fort Myers, Florida. Developed Airport alternatives, conducted wind-rose calculations, and produced the airport layout plan.

Continental Airlines, Concourse D, Cleveland Hopkins International Airport, Cleveland, Ohio. Produced aircraft parking layout and apron marking plan for Concourse D.

Master Plan Update, Nassau International Airport, Nassau, Bahamas. Composed the Airport inventory. Calculated rough order of magnitude (ROM) alternatives casts, developed schematic designs, discovered the scheduled commercial aircraft peak operations period, and planned the apron and taxiway expansions.

Feasibility Analysis, Sangster International Airport, Montego Bay, Jamaica. Tested and approved the design of temporary taxiway using PathPlanner. Produced aircraft parking plan and passenger boarding bridge linkages.

Feasibility Study, Simon Bolivar International Airport, Caracas, Venezuela. Ensured safety requirements of the International Civil Aviation Organization (ICAO) Annex 14 imaginary approach surfaces.

Land Use Plan, Piarco International Airport, Trinidad, West Indies. Land use feasibility update analysis and assessment.

Runway Safety Area Assessment, Page Field Airport, Fort Myers, Florida. Assessed the compliance or lack thereof of the Airport's four runway safety areas, and described the results of the analyses in a report.

Presentations

2005 Annual FAA Great Lakes Region Conference, Chicago, Illinois
3D Modeling Applications for Airport Planning

Professional Development

Advanced Airport Design, Arizona State University, 2001
Project Management Boot Camp, Professional Services Management Journal (PSMJ), 2006

Julie M. Sullivan

Senior Scientist

PBS&J

Education

M.S., Biology, University of
Central Florida, 1999

B.S., Zoology, University of
Florida, 1996

Certifications

Florida Boating Education

National Pollutant Discharge

Elimination Systems Trainer

American Red Cross

Advance Openwater NAUI

SCUBA

Professional Affiliations

American Elasmobranch Society
(AES)

American Society of
Ichthyologists and
Herpetologists (ASIH)

University of Florida National
Alumni Association

West Orange Chamber of
Commerce

National Association of
Environmental Professionals
Central Florida Association of
Environmental Professionals

Ms. Sullivan is a member of PBS&J's environmental sciences division, where she serves as a group manager. Ms. Sullivan has extensive experience in wetland delineation, Uniform Mitigation Assessment Method, Wetland Rapid Assessment Procedure, wetland permit determinations, mitigation, listed species permitting, and the application of federal, state, and local government environmental permitting rules and statutes. She possesses extensive knowledge of native Florida flora, fauna, and eco-systems, including wetland soils and plants, and aquatic vegetation. She is also an expert in mitigation determinations and mitigation planning, design, and implementation. Ms. Sullivan is active in PBS&J's National Environmental Policy Act (NEPA) work group and performs extensive work with federal NEPA coordination for a number of clients and federal action agencies.

PBS&J Project Experience

East Central Florida Regional Planning Council. Ms. Sullivan serves as the project manager for the ECFRPC and functions as an extension of the staff. She provides Development of Regional Impact environmental reviews, facilitates pre-application charettes, and provides summary reports and recommendations to the applicants through the ECFRPC. The contract is ongoing and is for continuing services as needed by the Council.

City of St. Cloud, Parks and Recreation. Ms. Sullivan coordinated the environmental permitting for the St. Cloud Lakefront Park and Marina improvements. Ms. Sullivan coordinated agency action and designed the mitigation plan for the marina expansion project.

Seminole County Parks. Ms. Sullivan coordinated the environmental review and constraints analyses for Soldier's Creek and Jetta Point Parks in Seminole County. Tasks included wetland delineation, permit review, listed species evaluation and planning assistance through identification of environmental constraints.

Osceola County Parks. Ms. Sullivan coordinates environmental review and permitting for several Osceola County parks including Mac Overstreet and Chisholm Parks. Tasks include listed species reviews, wetland delineations, environmental constraints analyses and planning assistance, permitting and agency coordination and negotiations.

Harmony (aka Birchwood Development). Ms. Sullivan provides environmental consulting services to the town of Harmony including development and planning assistance, preservation and concurrence with DRI conditions, mitigation, wetland and listed species permitting, and maintenance and monitoring of mitigation and conservation areas. As needed services include wetland delineations, agency coordination and negotiations, mitigation assessments, listed species conservation and permitting, habitat management, surveys and constraints analyses, and general environmental consulting.

Economic Development Commission (EDC), Cape Canaveral Air Force Station (CCAFS) Florida, NEPA Compliance. Ms. Sullivan provides NEPA compliance activities for the CCAFS through a contract with the Economic

Development Commission of Brevard County. The activities are related to an Enhanced Use Agreement transaction between the Air Force and the Canaveral Port Authority.

Shands Hospital. Ms. Sullivan coordinates all environmental review and permitting activities associated with the expansion and relocation of Shands Hospital in Gainesville, Florida. This includes agency coordination, master plan review, Environmental Resource and local government permitting, and mitigation planning and implementation.

Leesburg Regional Airport Environmental Permitting and NEPA Compliance. Ms. Sullivan coordinates the National Environmental Policy Act compliance activities for the current Runway 13/31 extension and associated airport improvements. Additionally, Ms. Sullivan is managing the environmental issues associated with proposed commerce park expansion and the permitted ARFF facility on the airport property.

Puerto Rico Ports Authority Environmental Permitting and NEPA Compliance. Ms. Sullivan provides ecological services for the PRPA's Luis Muñoz Marín International Airport, Carolina, Puerto Rico. Ms. Sullivan coordinated production of the current Environmental Assessment for the Five-Year Capital Improvement Plan and provided the Essential Fish Habitat review for the National Marine Fisheries Service coordination with the project. She continues to provide ecological services to the PRPA and provides expertise in Section 404 permitting and other regulatory authorizations.

SR 528 (Beach Line Expressway), Orange County, Florida. Ms. Sullivan coordinates the environmental permitting support for projects associated with improvements to SR 528. Projects include replacement of a number of existing toll plazas with new high speed toll plazas. Duties include wetland delineation, coordination with design engineers, coordination with state and federal agency staff, wetland and listed species permitting, and mitigation planning and implementation.

East-West Expressway (SR 408) Improvements, Orange County, Florida. Ms. Sullivan coordinates the environmental permitting support for a number of projects associated with improvements to SR 408. These include interchange improvements, roadway widening, toll plaza conversion, and other improvements. Ms. Sullivan coordinates environmental support for this project and provides such services as wetland delineation, agency verification and coordination, environmental resource permitting, and mitigation negotiations.

Sebring Airport. Ms. Sullivan provides environmental support for the General Consulting Services contract with the Sebring Regional Airport (SEF). Duties include wetland delineation, environmental resource permitting, listed species surveys and permitting, FAA environmental compliance, hazardous wildlife reporting and compliance, permit compliance, mitigation planning and implementation, and NEPA compliance.

St. Lucie County Airport. Ms. Sullivan provides environmental support for the St. Lucie County International Airport (FPR) in support of NEPA compliance and environmental permitting for a new runway and associated structures. Duties include environmental assessment, wetland delineation,

agency coordination, environmental permitting, mitigation coordination and planning, and listed species coordination.

I-4 Management Consultant, Orange County, Florida. Ms. Sullivan provides ongoing environmental support for projects associated with the Interstate 4 improvements. Tasks provided on an "as needed" basis include wetland delineation, mitigation assessments (UMAM), permitting support and review, agency coordination, and QA/QC services.

Pineda Causeway Realignment and Extension, Brevard County, Florida. Ms. Sullivan coordinates the environmental support for this project. Tasks included wetland delineation and verification, agency coordination, environmental permitting, mitigation design, and permit negotiations.

SR 5 (US 1) Bridge Replacement Over the Sebastian River. Ms. Sullivan aided with wetland delineation and preparation of permit applications for this project. This included a number of coordination meetings with client, other consultants, and agency staff to reconcile the permitting conditions.

SR 429 (Western Beltway) and Maitland Boulevard Extension, Orange County, Florida. Ms. Sullivan coordinates environmental review, permitting, mitigation, and agency negotiations for projects associated with the Maitland Boulevard Extension, SR 429 Realignment and various interchanges and improvements.

JEA. Ms. Sullivan coordinated wetland delineation and environmental permitting projects pursuant to the JEA General Contract. Ms. Sullivan has provided wetland support for the North Jacksonville/Anheuser Busch Force Main, the Starratt Road transmission line, and several smaller projects.

Northern Star Generation Services, LLC. Ms. Sullivan assisted Vandolah Power and Orlando CoGen Ltd. facilities with environmental permitting and compliance requirements. This included preparation and submittal of SPCC plans, EAOR reports, and other environmental reports.

City of Davenport, Florida, United States Department of Agriculture (USDA) NEPA compliance. Ms. Sullivan prepared the environmental report required for compliance with NEPA regulations for construction of a new wastewater treatment facility and associated pipeline for the City of Davenport. The project received a FONSI in 2004 from the USDA.

Bob Sikes Airport/Okaloosa County Airports. Ms. Sullivan performed wetland determinations and agency verifications as well as listed species surveys and reviews for the Bob Sikes Airport in Crestview, Florida. Ms. Sullivan provides environmental permitting services as required for improvements at the Bob Sikes airport.

St. Johns River Water Management District. The Governing Board of the St. Johns River Water Management District (SJRWMD) contracted with PBS&J to assess environmental effects of current low-water events on lakeshore habitat development in the Upper Ocklawaha River Basin and Lake Apopka. Ms. Sullivan coordinated field staff, organized data, prepared the final report for submittal to the District, managed the budget, and served as a single point-of-contact for the client. Information gained from this project will allow the District to better restore habitat by providing

insights into the effects of low-water levels on habitat development.

Moss Park Road Interchange Improvements, Orange County, Florida.

Ms. Sullivan coordinates the environmental support for projects associated with improvements to SR 417, including this interchange project. Tasks include wetland delineation and verification, agency coordination, and environmental permitting.

Previous Work Experience

Associate Scientist III, Breedlove, Dennis, and Associates, Inc.

Ms. Sullivan was the environmental project manager responsible for such projects as: Keene's Pointe Development, Roger Smith Econlockhatchee River Basin Mitigation Area, UCF Stor-All, Time Warner Communications Winter Park facility, various Pulte Homes projects, and many others. Ms. Sullivan also coordinated permitting and mitigation for the Greater Orlando Aviation Authority at Orlando International Airport.

Environmental Specialist II, Submerged Lands and Environmental Resource Permitting, Florida Department of Environmental Protection (FDEP).

Ms. Sullivan performed permitting for Orange, Osceola, and Lake Counties. She reviewed permit applications, drafted exemptions, Noticed General, Standard General, and Individual Permits, and assessed mitigation for such projects as Florida Gas Transmission and Buccaneer Pipelines, Reliant Energy Corporation, Kissimmee Utility Authority, EAG-OOCEA Western Expressway (SR 429) expansion, and the Orange County Landfill expansion.

Biologist, Florida Marine Research Institute Indian River Field Lab, Florida Department of Environmental Protection/Florida Fish and Wildlife Conservation Commission.

Ms. Sullivan was recruited as a freshwater fish expert to spearhead a fish population survey of the St. Sebastian River to satisfy a grant from the Coastal Aquatic Management Area's St. Sebastian River Buffer Preserve. Additionally, Ms. Sullivan participated in the Fisheries Independent Monitoring Program, which involved fish collection, sampling, culling, and identification to supplement ongoing research into the ichthyofaunal composition of the Indian River Lagoon estuary system.

Gopher Tortoise Habitat Project, Nature Conservancy, Disney

Wilderness Preserve. Ms. Sullivan assisted graduate students at the University of Central Florida with a Nature Conservancy funded project to study the population density and locality on the DWP property.

Field Data Collector, University of Central Florida Sea Turtle Research Program.

Duties included gill net collection of sea turtles from the Indian River Lagoon Estuary and Atlantic Ocean coastal reefs, physical data collection, tagging, blood sample collection, and biopsy of diseased turtles.

Curatorial Assistant, Florida Museum of Natural History, Ichthyology Division.

Ms. Sullivan catalogued fish specimens; prepared and received loans; filed grant proposals; performed photography, darkroom, and radiography work; sorted and identified fishes for inclusion in the museum's extensive ichthyological collection.

Craig Stout

Environmental Scientist

PBS&J

Education

B.S., Biological Sciences,
University of Central Florida,
2002

Certifications

Florida Boating Safety
Certification, 2003

Professional Affiliations

Society of Wetland Scientists
(SWS)
Florida Aquatic Plant
Management Society

Mr. Stout is a senior environmental scientist with more than 17 years of experience. His recent project experience includes jurisdictional and formal wetland verifications, uniform wetland mitigation assessment, method assessments, and environmental resource permitting. His multi-faceted background also includes experience with land surveying, GPS use, elevation work, and topographic mapping. He is a trained wildland firefighter, and a certified commercial and aquatic herbicide applicator. As the lead field biologist on many projects, Mr. Stout has been responsible for extensive data collection, field surveys for threatened and endangered species, and assessment of nuisance and exotic vegetative species for their environmental impacts. He has directed the establishment of vegetative and aquatic monitoring programs and the implementation of nuisance and exotic vegetative species control programs.

Mr. Stout's project experience includes:

Maitland Boulevard Extension, Orlando-Orange County Expressway Authority, (OOCEA). Mr. Stout was the lead biologist in determining the jurisdictional wetlands to be impacted by the proposed construction of the Maitland Boulevard extension. He participated in the agency review as well as the preparation of the environmental resource permit (ERP). In addition, he coordinated and participated in surveys for any threatened and endangered species within the project's boundaries. Once completed, Mr. Stout prepared and submitted the incidental take permit for any gopher tortoises found within the work limits.

Mitigation Site Monitoring and Maintenance, Orlando-Orange County Expressway Authority, (OOCEA). Mr. Stout conducts monthly inspections of contractor maintenance and mitigation activities performed at various OOCEA wetland mitigation sites. This job requires him to evaluate the effectiveness of applied aquatic herbicide treatments, make recommendations on remedial actions, and verify mitigation compliance activities.

Seminole Expressway, Phase 2, Bald Eagle Monitoring, Florida's Turnpike Enterprise. Mr. Stout conducted weekly monitoring and prepared reports detailing the status of a pair of nesting bald eagles adjacent to roadway construction areas on the Phase 2 portion of the Seminole Expressway.

Pineda Causeway Extension, Brevard County, Florida. Mr. Stout coordinated the jurisdictional wetland verifications and the uniform mitigation assessment method (UMAM) assessments for wetland areas associated with the construction of the proposed Pineda Causeway extension in Brevard County. He assisted with the preparation of the environmental resource permit for this project. In addition, he coordinated and participated in surveys for any threatened and endangered species within the project's boundaries. Once completed, Mr. Stout prepared and submitted the incidental take permit for any gopher tortoises within the work limits.

Environmental Field Work, Florida Gas Transmission Company (FGT). Mr. Stout has coordinated the field work for several projects for FGT. The duties associated with these projects are jurisdictional wetland delineation, listed species surveys, archeological significant area determinations,

vegetation monitoring, and nuisance species control. In addition, Mr. Stout prepares constraints reports, coordinates with the various agencies, and assists with the preparation of any required permits.

Wetland Delineation and Environmental Permitting, Jacksonville Electric Authority (JEA). Mr. Stout coordinates wetland delineation and environmental permitting projects pursuant to the JEA general contract. Mr. Stout has provided wetland jurisdictional determination support for the North Jacksonville/Anheuser Busch force main, the Starratt Road transmission line, and several smaller projects.

Palm Bay Parkway Southern Extension (City of Palm Bay). Mr. Stout's duties included jurisdictional wetland determinations for the systems to be impacted by the proposed roadway. In addition, he assisted in determining listed species habitats associated with this project.

Northwest Area Regional Wastewater Treatment Facility (Seminole County). Mr. Stout has assisted in the establishment of vegetative monitoring transects in support of Florida Department of Environmental Protection issued permits for the wastewater facility. He continues to assist in conducting the quarterly wetland biota and sediment monitoring events. Mr. Stout collects field data that is used to calculate the average percent cover of canopy, sub-canopy, and herbaceous species; the average percent cover of nuisance and exotic species; and to assess fish populations and document wildlife utilization of the wetland system.

Lakeshore Habitat Assessment (St. Johns River Water Management District). Mr. Stout was the lead field biologist responsible for extensive data collection used to assess the environmental effects of current low-water events on lakeshore habitat development in the Upper Ocklawaha River Basin and Lake Apopka. Vegetation data as well as physical data (water depth, sediment depth and sediment type) was collected from approximately 100 transects located in Lake Apopka, Lake Griffin, and Lake Harris.

City of Sebastian Stormwater Park (St. Johns River Water Management District). Mr. Stout provided assistance with threatened and endangered species surveys on a 166-acre parcel slated for the development of a stormwater park in Indian River County, Florida. Mr. Stout participated in the 100-percent gopher tortoise burrow survey conducted on the site, and played a significant role in the excavation of 80 gopher tortoise burrows. He also assisted in the Florida scrub jay survey performed on the parcel.

Mitigation Site Monitoring and Maintenance, Sebring Regional Airport. Mr. Stout is responsible for the monthly vegetative nuisance and exotic species assessment within a 1-acre mitigation site. He conducts aquatic herbicide treatment events to ensure the percent cover of nuisance and exotic species coverage does not exceed permit requirements.

Northwest Water Reclamation Facility (Orange County). Mr. Stout assisted with a gopher tortoise burrow survey, gopher tortoise bucket trap installation and monitoring, and the collection of gopher tortoise blood samples to determine if the tortoises were positive for a contagious condition known as upper respiratory tract disease.

Orlando Easterly Wetlands (City Of Orlando). Mr. Stout provided land management assistance to the manager of the Orlando Easterly Wetlands, a 1,650-acre constructed wetland system. His tasks included participation in prescribed fire events, nuisance species assessment and control, fish sampling, surface water sampling, and conducting experiments with submerged aquatic vegetation.

Land Management of London Creek and McKinney Mitigation Tracts (Greater Orlando Aviation Authority). Mr. Stout provided weekly nuisance and exotic vegetative species management, collected and documented hydrologic data. He also functioned as a wildland firefighter and prescribed fire team member in support of state and federal permits and land management goals at the London Creek and McKinney mitigation tracts in Polk County, Florida.

City of Celebration Water Quality Sampling (Walt Disney Imagineering). Mr. Stout is the lead biologist responsible for the collection of quarterly water samples in the City of Celebration, Florida.

Professional Development

Aquatic Weed Control, IFAS, 2002

Hydric Soils Workshop, FAESS, 2005

Growth Management and Environmental Permitting, FCOC, 2006

Wildland Firefighting Training 1998: Fire Behavior (S-190), Hand Tools (S-130), Standards of Survival (PMS-416)

General Standards (Core): Commercial pesticide application, Aquatic herbicide application, 2000, Florida

Honors and Awards

Project Excellence Award, South Central Constructed Wetlands, Brevard County Water Resources Department, 2002

Project Excellence Award, Orange County Northwest Reuse, Orange County Utilities, 2002

Project Excellence Award, Land Management Construction Implementation, Greater Orlando Aviation Authority, 1999

Carlos E. Maeda, PE

Division Manager, National Aviation Services

PBS&J

Education

M.S., Management, Troy State
University, 1988

B.S., Civil Engineering, University
of Puerto Rico, 1978

Registrations/Licenses

Professional Engineer
Florida 41381, 1989
Michigan 30991, 1984

Professional Affiliations

American Association of Airport
Executives (AAAE)
Florida Airport Council (FAC)
Florida Engineering Society (FES)
National Society of Professional
Engineers (NSPE)
Society of American Military
Engineers (SAME)

Mr. Maeda has more than 29 years of progressively responsible experience in transportation and public infrastructure projects, planning, design, and construction management. In addition to technical experience, his professional background includes administrative management and business development. Mr. Maeda is the deputy director of PBS&J's national aviation services for strategic and business development. Previously, he was division manager of the southeastern region of PBS&J's national aviation services division, supporting the southeastern U.S. and the Caribbean.

His experience prior to joining PBS&J included serving as senior project manager for large-scale design projects in the airport engineering field. He also served as director of Latin America operations and was responsible for developing and implementing the marketing and business plan for the region.

Mr. Maeda's experience includes serving as project manager for the \$180 million project development effort for the Midfield Taxiway and cargo area development at the Luis Muñoz Marín International Airport in San Juan, Puerto Rico, and serving as project manager for the \$7.4 million general aviation facility at the Pensacola Regional Airport in Pensacola, Florida.

Mr. Maeda served with the Federal Aviation Administration (FAA) as program manager, technical expert, and principal advisor for all airport planning and engineering-related programs for large metropolitan areas. Mr. Maeda has also managed airport development projects funded under the Airport Improvement Program and Passenger Facility Charge Program, and served as the agency point-of-contact within the assigned area for airport planning and engineering, compatible land use, noise, and environmental planning. As a former manager at the FAA's Orlando Airports District Office (ADO), he is knowledgeable and effective at procuring and securing funding for airport clients.

As a civilian employee for the Department of the Navy, Mr. Maeda was director of engineering of the Public Works Department at the Naval Air Station at Cecil Field in Florida. He was responsible for supervising the performance of all engineering services, including the planning and design of new construction projects, as well as the repair and maintenance of all buildings, utility systems, airfield pavements, and other facilities.

Mr. Maeda served with the officer in charge of construction for Trident at the Kings Bay Naval Submarine Base, St. Marys, Georgia. He was responsible for multimillion-dollar waterfront projects, including mooring facilities, administrative buildings, warehouses, utilities, and roads. His responsibilities also included overseeing the dredging program and the disposal of dredged materials.

As a civilian employee for the U.S. Army Corps of Engineers (ACOE) in Detroit, Michigan, Mr. Maeda was a project manager in the civil/structural design section and was responsible for major and complex projects such as the design and preparation of plans and specifications for structures related to navigation and harbor structures, shore protection, containment of polluted dredged material, flood control, and shore protection projects.

Mr. Maeda's experience includes 26 years of military service. He recently retired as a Lieutenant Colonel in the Army Reserves. During his Army Reserve career, he served in an infantry division and a separate infantry brigade, in several engineering battalions, and in a transportation command as the Command's Engineer Staff Officer. During his assignment as commander of an engineering company, he was mobilized with his unit to support the recovery operation in South Florida after Hurricane Andrew. He finished his military career as the Civil Military Operations Officer at the 143rd Transportation Command, where he advised the commander on activities to establish and maintain relations between the unit and government, non-government civilian organizations, and the civilian populace. Mr. Maeda served in the Afghanistan campaign from November 2001 to July 2002 as part of Operation Enduring Freedom.

Mr. Maeda's representative project experience includes the following:

Benjamin Rivera Noriega Airport, Culebra, Puerto Rico. Mr. Maeda served as the project manager for runway widening, rehabilitation, and a new apron (\$6 million).

Rafael Hernández Airport, Aguadilla, Puerto Rico. Mr. Maeda served as the project manager for the relocation of Taxiway "A" and installation of Automated Weather Observing System (AWOS) equipment (\$16 million).

Humacao Airport, Humacao, Puerto Rico. Mr. Maeda served as the project manager for the terminal apron expansion (\$2 million).

Luis Muñoz Marín Airport, San Juan, Puerto Rico. Mr. Maeda served as the project manager for the utilities master plan.

Luis Muñoz Marín Airport, San Juan, Puerto Rico. Mr. Maeda served as the project manager for the environmental assessment for the extension of the safety area, Runway 26, and for the extension of Taxiway Sierra.

Isla Grande Airport, San Juan, Puerto Rico. Mr. Maeda served as the project manager for the Airport relocation need study.

Walton County, Florida. Mr. Maeda served as the project manager for the Federal Aviation Administration (FAA) program site selection study.

Madison County, Florida. Mr. Maeda served as the project manager for the Federal Aviation Administration (FAA) program feasibility study for a new airport.

Okaloosa Air Terminal, Destin Municipal Airport, and Bob Sikes Airport, Okaloosa County, Florida. Mr. Maeda served as the project manager for the Federal Aviation Administration (FAA) program Master Plan update.

Central Florida Heliport/Vertiport, Orlando, Florida. Mr. Maeda served as the project manager for the Federal Aviation Administration (FAA) program system plan study.

Northwest Florida Regional Jetport, Bay County, Florida. Mr. Maeda served as the project manager for the feasibility study of the new airport.

Naples Municipal Airport, Naples, Florida. Mr. Maeda served as the project manager for the master plan update.

Kewaunee Harbor Confinement Disposal Facility, Kewaunee, Wisconsin. Mr. Maeda served as the project engineer for the construction of a facility to confine polluted dredged material (\$2.5 million).

Jacksonville International Airport, Jacksonville, Florida. Mr. Maeda served as the project manager for the Federal Aviation Administration (FAA) program for the runway extension (\$19 million).

Pensacola Regional Airport, Pensacola, Florida. Mr. Maeda served as the project manager for the Federal Aviation Administration (FAA) program master plan update.

Pensacola Regional Airport, Pensacola, Florida. Mr. Maeda served as the project manager for the access road for the new general aviation (GA) facility (\$1.2 million).

Pensacola Regional Airport, Pensacola, Florida. Mr. Maeda served as the project manager for the airfield lighting rehabilitation (\$1.2 million).

Three-Dimensional Air Space Analysis Program. Mr. Maeda served as the project manager for the development of the Federal Aviation Administration's (FAA) 3-D airspace analysis program.

Kings Bay Submarine Base, St. Marys, Georgia. Mr. Maeda served as the project design engineer for the tender mooring facilities (\$35 million).

Grand Haven Harbor Renovation, Michigan. Mr. Maeda served as the project manager for the assignment (\$5 million).

New Palestina Regional Airport, Manizalez, Colombia. Mr. Maeda served as a senior team member and lead airport planner for the assignment (\$35 million).

Palm Beach County International Airport, West Palm Beach, Florida. Mr. Maeda was the project manager for the preparation of the feasibility study for the expansion of Concourse C.

Palm Beach County International Airport, West Palm Beach, Florida. Mr. Maeda was the project manager for the programming study for the expansion of Concourse C.

Professional Development

Command and General Staff College, Ft. Leavenworth, Kansas, 1999

Airport Environmental Regulations & Requirements Course, FAA, 1994

Airport Noise & Land Use Planning, Georgia Tech, 1993

Airport Master Planning Course, FAA, 1990

Engineer Officer Advanced Course, U.S. Army Engineers School, Ft. Leonard Wood, Missouri, 1990

Resident Engineer Course, U.S. Army Corp of Engineers, 1981

Engineer Officer Basic Course, U.S. Army Engineers School, Ft. Belvoir, Virginia, 1978

Philip J. LeGrand, CCI, CCPM

Project Manager

PBS&J

Education

M.S., Computer Information Systems, Boston University, 1985

B.S., Electrical Engineering, University of Cincinnati, 1972

Certifications

Florida-Qualified Stormwater Management Inspector

Certified Construction Inspector, Association of Construction Inspectors

Certified Construction Project Manager, Association of Construction Inspectors

Professional Affiliations

American Public Works Association (APWA)

Association of Construction Inspectors (ACI)

Society of American Military Engineers (SAME)

Florida Engineering Society (FES)
American Planning Association (APA)

Mr. LeGrand, a project manager in PBS&J's construction services division, has 36 years of progressive experience in facility management with a focus on facility operations, management, maintenance, renovations, repair, utility operations, and construction at all levels. He has extensive experience in program and project management.

He is providing construction administration services for various commercial development projects in the Panama City Beach area including new office building complexes, apartments, and the Pier Park shopping (\$12.5 million) and entertainment complex. He is also managing onsite inspectors for a \$2.3 million drainage improvement project in Floridatown for Santa Rosa County and a new terminal at Okaloosa Regional Airport for Okaloosa County. Mr. LeGrand monitored Hurricane Georges emergency berm reconstruction for the Florida Department of Environmental Protection (FDEP) throughout Florida's panhandle. He provided quality assurance for debris removal from Tropical Storm Gabrielle in the City of Sarasota. Mr. LeGrand has performed construction engineering inspection services for infrastructure projects, including a \$1.5 million bridge, for Phase One of WaterColor, a 1,500-home development on the Gulf Coast. He provided stormwater, erosion, and sediment control inspection services for several projects including the 13-acre expansion of Barrancas National Cemetery and an environmentally sensitive project that filled 10.75 acres of wetlands.

Mr. LeGrand oversaw the construction of sand berms in Pensacola Beach and Navarre Beach in the Florida panhandle. These sand berms were in response to the severe erosion along the panhandle coast of Florida due to Hurricane Georges and previous storm events. The project included over 200,000 cubic yards of sand to construct 6.5 miles of sand berms at a construction cost of over \$3 million.

Before joining PBS&J, Mr. LeGrand held several management positions with the U.S. Air Force. These included:

Chief of Engineering, Headquarters, Air Force Special Operations

Command. Mr. LeGrand held a senior-executive level position responsible for design and construction of this major facility's acquisition program. He provided standards, guidance, and an implementation policy for facilities operations, maintenance, and fire protection along with the following:

- Directed and developed policy for \$200 million design and construction program.
- Developed standards and reviewed plans and specifications for technical sufficiency.
- Chaired meetings with designers, users, and constructors to finalize details for construction projects.
- Managed ongoing construction, coordinated contractor actions, and resolved construction problems.
- Aircraft parking ramp, \$8.9 million, 86,000 square feet.
- Runway replacement, \$9.9 million.
- Control tower, \$2.1 million.
- Fire training facility, \$1.8 million.

- Dormitories, 144 rooms each, \$7.7 million and \$6.1 million.
- Developed outsourcing and privatization policy and plans; determined opportunities; and implemented actions.
- Led reengineering and business process review effort for Air Force-wide resource management initiative.

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Director of Facilities Management (Base Civil Engineer). Mr. LeGrand provided direction and vision for comprehensive master planning, construction, repair, and maintenance for over \$7 million square feet of industrial, housing, and administrative facilities; a 10,000-foot runway; ramps and taxiways; and 6,600 acres. He developed and executed a \$15 million operating budget and \$150 million in construction projects; and supervised 380 military and civilian personnel in the execution of all engineering activities, energy management, environmental programs, utilities operations, custodial services, ground maintenance, fire protection, disaster preparedness, explosive ordinance disposal, family housing, and dormitory management.

- Led development efforts for the 100 percent increase in facilities to roughly 7 million square feet.
- Coordinated requirements definitions of the 80-plus organizations on the base.
- Supervised community master planning including development of operations, industrial, administrative, residential, and recreational areas. Produced first plan in 36 years for Hurlburt Field, components of which were national award winners.
- Managed \$150 million in construction projects, resolving complex contractor problems and saving money.
- Aircraft hangars, \$6.4 million, \$6.2 million, and \$5.7 million.
- Aircraft squadron operations facilities, \$3 million, \$2.5 million, \$4.7 million, and \$6.1 million.
- Improved family housing, \$2.4 million.
- Examined environmental restrictions, developed mitigation plans, and coordinated with state and federal agencies.
- Executed a plan for 20 new facilities with environmental analysis, permits, and wetland mitigation.
- Responsible for basewide personnel training in disaster preparedness and chemical warfare defense.
- Ensured operations complied with federal (EPA) laws, state laws, and building codes and standards.
- Implemented zonal maintenance concept for maximum customer support and multiskilling of craftsmen to improve effectiveness and efficiency.

Director Maintenance Manager (Chief of Operations). Mr. LeGrand directed up to 320 military and civilian craftsman (trades) in six sections and 23 shops and supervisors responsible for the operation/maintenance/-repair of five million square feet of industrial, housing, dormitory, and administrative facilities; energy management; grounds maintenance for 2,500 acres; runways; airfield ramps/taxiways; and base infrastructure including water, sewer, streets/parking lots, and electrical systems.

- Led the plan development for the establishment of zonal maintenance concept at 18 major Air Force bases. Also, validated the concept, developed specific action plans for personnel, facilities, vehicles, tools, and budgeting. Mr. LeGrand chaired periodic review sessions with personnel and union representative resulting in a smooth implementation with no labor management difficulties.
- Led short-notice deployment of 129 troops to establish a bare base during the Persian Gulf War. He quickly established requirements for initial forces, obtained assets, and constructed a tent city for the first 800 personnel in five days.
- Expanded encampment to support 2000 personnel including large field kitchen, water system, power generation, electrical distribution system, latrine, and shower facilities. There were no permanent facilities at the location. Maintained the base for seven months, constantly expanding the facilities to meet new requirements.
- Selected as the Air Force Civil Engineer Senior Military Manager - 1991.
- Developed a total quality improvement program by analyzing customer requirements and expectations, establishing long- and short-term organizational goals, and empowering the people to make change. Completed numerous educational courses in quality including Total Quality Awareness Course and Facilitators Course, Covey's Seven Habits of Highly Effective People, and Qualpro's Development of a Company-Wide Quality Improvement Process.

Various engineer positions and support assignments:

- Family Housing Program Manager; Headquarters Air Force, 1985-1989
- Build-Lease Program Managers; Headquarters United States Air Forces in Europe, Ramstein Air Base, 1981-1985
- Chief of Operations; Civil Engineering Squadron, Rhein-Main Air Base, Germany, 1976-1981
- Site Civil Engineer and Contract Monitor; Thule Air Base, Greenland, 1975-1976
- Electrical Design Engineer; Civil Engineering Squadron, K.I. Sawyer Air Force Base, MI, 1972-1975

Professional Development

Mechanical Engineering for Supervisors Facility Maintenance Operations
Management Corrosion Engineering Electrical Engineering Utility
Contract Negotiation and Administration Senior Level Executive
Management Mid-Level Human Resource and Staff Operations Total
Quality Awareness Course Qualpro's Development of a Company-Wide
Quality Improvement Process

John E. Bass

Field Representative

PBS&J

Certifications

CTQP Earthwork Construction
Inspector, Level I
CTQP Construction Training
Qualification Program,
Asphalt Paving, Level I, 2001
CTQP Construction Training
Qualification Program,
Asphalt Paving, Level II, 2002
Class A CDL Endorsement
Density Gauge (Troxler)
Certificate
Final Estimate, Level I
Asphalt Plant, Level I - II
Earthworks, Level I
FDOT Concrete Field Inspector
Spec.
ACI Concrete Field Testing
Technician
NCAT Roadway Inspector,
Alabama

Mr. Bass is a field representative with PBS&J's north Florida construction services division. His duties include performing inspection on various construction projects throughout the region. Currently he is serving as an inspector for the rebuilding of roadway damaged caused by Hurricane Ivan at Escambia County State Park. This involves working on dirt work, asphalt verification, MOT, and preparing a daily report of construction activities.

Peter Prince Airport - As a field representative, Mr. Bass's responsibilities included organizing weekly progress meetings, preparing daily reports, verifying contractors activities, coordinating with sub-contractors and keeping Santa Rosa County owners FAA informed about daily activities.

Sugar Bowl (CR399 Pensacola Beach) -Mr. Bass worked as a senior field representative for this \$ 2 million dollar project. His responsibilities included overseeing the entire project; preparing daily reports; overseeing asphalt pavement operations; verifying spread rate, cross slope, straight edge, and temperature against contract specification; and verifying regular excavation. This project also worked with Nation Park Services for monitoring bird activities, turtle nesting time, arranging weekly progress meetings with the contractor and DOT representatives, verifying daily quantities and preparing field books.

SR 47 Road Widening Project, Lake City, Florida - Improvements to SR 47 from CR 242 south of I-75 to SR 25 (US 41) via reconstruction of a two-lane rural roadway to a four-lane urban roadway, including base, asphalt, earthwork, retention ponds, drainage structures, curb and gutter, signalization, pavement markings, signing, and other incidental construction.

I-75 Resurfacing Project, Columbia County, Florida - Improvements to SR 93 (I-75) from US 90 to I-10, included milling, resurfacing, guardrail, sodding, and other incidental construction.

Hurricane Ivan Emergency Contract - Mr. Bass observed and monitored paving operations, completed daily reports regarding asphalt spread rate, cross slopes, straight edging, and monitored temperature mix of DOT specifications. He also regulated the density of mix, cut cores for testing and prepared daily report of construction.

Lab Technician/Quality Control - Mr. Bass observed and monitored paving operations, completed daily reports regarding asphalt spread rate, cross slopes, straight edging, and monitored temperature mix of DOT specifications. Regulated the density of mix, cut cores, for testing. Acted as QC on Avalon Blvd./I-10 project, Highway 87 North, part of a project from Avalon to Highway 87, one project at Pensacola NAS, U.S. Highway 9 in Fort Walton, Pensacola Regional Airport, and numerous other projects in the Northwest Florida area.

Density Control - Mr. Bass observed and monitored paving operations, completed daily reports regarding asphalt spread rate, cross slopes, straight edging, and monitored temperature mix of DOI specifications. Regulated the density of mix, cut cores, for testing. Also, worked as the equipment operator for various types of heavy equipment and trucks.

Adam T. Moore

Project Landscape Designer
PBS&J

Education

B.L.A., Landscape Architecture,
Leeds Metropolitan
University, UK, 2000

Mr. Moore, a landscape designer in PBS&J's central Florida planning division, has provided landscape architectural services including trail design, site planning, master planning, graphic design, graphic production, landscape and hardscape design, and construction documentation.

His project experience includes:

Okaloosa Regional Airport, Okaloosa County, Florida. Development of a landscape architecture master plan for the construction of a new 105,000-square-foot terminal in order to create a positive gateway to Okaloosa County. Within the parameters of increased safety and security measures at airports, the master plan provides a new dynamic image and user-friendly environment for airport visitors and passengers. Mr. Moore was heavily involved in the conceptual phases, led the construction document phases, and oversaw the construction phases of this project which was completed in the fall of 2005.

Give Kids the World Jurassic Putt Miniature Golf Course, Kissimmee, Florida. As part of a team of designers involved in all aspects of planning and layout, landscape architecture, civil engineering, artificial and natural rock work design and layout, miniature golf hole layout and design, and master feature and special effects. The seven-hole course is complete with animatronic dinosaurs, rock work streams, waterfalls, and a volcano mountain. The facility opened in the fall of 2002. Full design development and storyline work were completed in cooperation with Universal Creative studios, Orlando.

Disney's Old Key West Resort, Lake Buena Vista, Florida. Mr. Moore was involved in the design development documentation for a 24' high sand castle slide. The project will enter the construction document phase and was constructed in fall of 2004.

Jupiter Riverwalk Lagoon Bridge. Mr. Moore was an integral part of a team of designers analyzing the aesthetics, structural design, construction cost and lifecycle costs of this proposed 750' multi-purpose pedestrian bridge connecting two distinct sections of the Jupiter Riverwalk.

New Tampa Bridge, Tampa, Florida. Mr. Moore was involved in the schematic design and presentation of the New Tampa Bridge, which crosses over I-75 as a gateway into Tampa. Design of this bridge includes a pedestrian/bicycle crossing over I-75 and incorporates local flora into the landscape design surrounding the bridge. Detailed landscape and hardscape features were incorporated in the bridge design to establish a "green bridge" for this distinctive gateway into the City of Tampa.

Clearwater BeachWalk, Clearwater, Florida. An ambitious plan to rejuvenate Clearwater Beach as a great beach destination place via a 1,200-foot-long and 25-foot-wide pedestrian promenade and a revised two lane winding beachfront scenic drive that connects the south end of Clearwater Beach to Pier 60 Park and Mandalay Streetscape farther north. The design was inspired by the presence of the beach and its abundant marine life and calls for an enhanced pedestrian environment through planting design, a hike and bike trail, accent paving, an abundance of seating opportunities,

strong gateway statements, interactive fountains, beach-inspired public art, traffic calming techniques and the vacation of existing rights of way to encourage the development of outdoor sidewalk cafés, restaurants, seating areas and courtyards.

Goldsboro Trail, Sanford, Florida. A design competition for the National Trails Symposium. The project consisted of an abandoned rail right-of-way approximately one mile long that connected a community park with an elementary school. The concept behind the design pulled from the historical significance of the Goldsboro community and the railroad. Major components of the design included a central gathering plaza at the heart of the community with the potential introduction of a community center, enhanced trail gateways, a revitalized park trailhead and trail furnishings and signage that resemble railroad icons. As part of a design team, Mr. Moore was an integral part of the design effort and the development of presentation graphics.

Celebration Boardwalk and Trails System, Celebration, Florida. Celebration, one of the most innovative planned communities of the 20th Century, takes the best ideas from the past and the technology of today to create a community with a wonderful sense of place. PBS&J's team of Landscape Architects, Planners, and Engineers have helped to design and implement many of the standard recognizable features at Celebration. From entrance features and streetscapes to pocket parks and recreational areas PBS&J has been responsible for the design, documentation and construction in several areas of the community. Many of these parks designed by PBS&J are destination locations for the boardwalk and trail system intertwined all over the City of Celebration. The Celebration Trail system provides community connections through residential areas, commercial areas, recreational areas and pristine natural wetlands and Oak hammocks. These trails are used by a variety of people from children commuting to and from school to bikers, rollerbladers, walkers and joggers.

Marineland of Florida, Flagler County, Florida. Landscape architecture services including schematic design, design development, and full construction services of this 1.25-acre dolphin attraction which includes rock work, themed bridges, stage, training, and animal holding areas, as well as public viewing, deck, and sea-side garden and planting areas. Full area development hardscape including themed railings, bridges, rock outcrops, show pool design and pool decks, observation platforms, etc. shall be part of the interactive show and experience dolphin lagoon environment. The theme shall reflect an out island Caribbean adventure isle.

Okaloosa Regional Airport, Okaloosa County, Florida. Development of a landscape architecture master plan for the construction of a new 105,000-square-foot terminal in order to create a positive gateway to Okaloosa County. Within the parameters of increased safety and security measures at airports, the master plan provides a new dynamic image and user-friendly environment for airport visitors and passengers.

Universal ETC Logo Design. Mr. Moore was an integral part of a team of designers charged with developing a new logo/symbol design for a statewide electronic payment system that will consolidate all the tolling and expressway authorities in the state of Florida.

Oriole Homes, Celebration, Florida. Provided landscape and hardscape design for this 5.3-acre, condominium community. The landscape materials were selected for their seasonal color and texture, which when combined, create a lush landscape for this dense community.

Baldwin Park Unit 7 - Neighborhood Business District, Orlando, Florida. Landscape architecture services to incorporate the business district into the Baldwin Park community. Mr. Moore responsibilities include construction document preparation of hardscape, landscape, irrigation plan modifications.

Turnpike Enterprise Project 305 - Gateway Project. Landscape architecture services to prepare the vision and conceptual plans for a world-class themed gateway to the Florida's Turnpike. Responsibilities include project visioning, site design, garden design and concept plan production for the project.

Sarasota MURT, Sarasota, Florida. Mr. Moore has been involved in the master planning and construction documents for this multi-use recreational trail connecting the existing Bayfront MURT to the Gulf coast barrier islands. The trail provides bicyclists and pedestrians a safe, comfortable, and spectacular route from downtown Sarasota to St. Armands, Bird, Coon and Lido Keys. Composed of 5.5 miles of 10-foot wide off-road paved trails and on-road designated bike lanes, the trail will offer users dramatic views of Sarasota Bay. Landscape improvements and design features such as decorative lighting and textured concrete, add character and a sense of place for each individual Key. A streetscape concept with a sustainable landscape palette developed for each area along the trail creates pedestrian-scale plantings, replaces noxious and invasive trees, and screens adjacent properties. PBS&J developed the conceptual plan report and all site-related details that ensure a safe and efficient recreational facility in harmony with the natural, economic, social, and cultural environment. A collaborative approach that included many public meetings and thoughtful design resulted in a concept that the city and its residents support. Available grant funding is currently being sought to make this project a reality for the city of Sarasota, its residents and visitors alike.

- Leesburg City Hall Plaza
- Crooked Island Resort, Bahamas
- Antigua Resort, Antigua
- Lakefront Park, St. Cloud, Florida
- Universal City Masterplan
- Universal Boulevard Bridge Aesthetics
- Universal Boulevard/I-Drive Gateway Concepts.
- Sebring Airport, Building 60 Concepts

Professional Development

Mike Lin Graphic Communication and Design Workshop, 2003

Graduate Diploma, Landscape Architecture/Urban Design, Leeds Metropolitan University, UK, 2002

David L. King, AIA

PRINCIPAL-IN-CHARGE

EXPERIENCE

As the division vice president for the mid-Atlantic division of GS&P, Mr. King is responsible for assuring that resources are provided to complete all project commitments, and that the services rendered fulfill the client's requirements. His background includes experience with a wide range of aviation project types, both new and renovated, including significant previous experience at Okaloosa Regional Airport.

EDUCATION

1981/Bachelor of Architecture, Virginia Polytechnic Institute and State University

REGISTRATIONS

Architect: MD, ME, PA, SC, VA, WV

MEMBERSHIPS/AFFILIATIONS

Lewis Ginter Botanical Garden, Board of Associates, 2005

Leadership Metro Richmond, Member, 2001

Airport Consultants Council, Member

Southeastern Airport Managers' Association, Member

American Association of Airport Executives, Member

American Institute of Architects/James River Chapter, Member

ACCREDITATIONS/CERTIFICATIONS

NCARB

AWARDS/HONORS

Marcellus Wright, Jr. Award/American Institute of Architects - James River Chapter, 2005

YEARS OF EXPERIENCE

With GS&P: 12

With other firms: 15

RELEVANT PROJECTS

Okaloosa Regional Airport - Terminal Expansion and Renovation, Eglin Air Force Base, FL— Principal-in-Charge and Project Manager. Provided the specific terminal expansion requirements, developed a conceptual layout, and provided an estimate for the probable construction costs for use in developing the appropriate FAA PFC application. Terminal expansion provides approximately 103,600 square feet of new terminal and concourse space. Concourse provides six gate positions, with three second level gates and three ground level gates.

Richmond International Airport - Terminal Expansion, Richmond, VA—Principal-in-Charge. Phased development of the new, 160,000-square-foot, two-level terminal facility expansion which interfaces with a new elevated roadway separating arriving and departing passenger flow.

Richmond International Airport - South Garage Expansion and Entry Plaza, Richmond, VA—Principal-in-Charge. This 1,924 space parking garage expansion to the south parking garage utilizes the vehicular and pedestrian vertical circulation as planned within the first phase of the garage. This expansion phase also provides new roadway access and entry plazas to the existing parking garages, and has relocated hourly parking into the existing parking structures.

Richmond International Airport - Federal Inspection Services Station/Office Design, Richmond, VA—Principal-in-Charge. New 13,800-square-foot shell building to serve as the temporary location of the Federal Inspections Station, until the Federal Inspections Station is relocated to the expanded Concourse C.

Richmond International Airport - Concourse A Expansion, Richmond, VA—Project Manager. Additions and modifications to the existing airport concourses and terminal. Five-gate addition to an existing concourse included four aircraft gates with jetbridges and one regional aircraft gate. The terminal expansion included curbside, baggage claim lobby, airline ticketing counter and administrative areas.

Richmond International Airport - Concourse C Expansion, Richmond, VA—Principal-in-Charge. Ten-gate addition to the existing concourse C which will provide for a net gain of seven new aircraft gates with jet bridges. On the lower level, this project provides space for a new 13,800-square-foot Federal Inspections Station, as well as for expanded airline operations areas. In addition to passenger holdrooms, the second level includes over 7,000 square feet of new concessions space. The expanded concourse



* - Individual Experience

design makes use of extensive natural light through skylights and glass curtain walls that open out to views of the airfield. The architectural character of the concourse combines aspects of the existing concourses with materials and elements of the terminal expansion design.

Richmond International Airport - North and South Parking Garages, Richmond, VA—Principal-in-Charge. Poured-in-place parking garages with 2,400 parking spaces, valued at \$24 million, including demolition, phased construction, roadway and surface parking lot modifications, covered walkways, landscaping, reflecting pools, signage, site utilities, lighting and parking revenue control system. Designed to allow for future expansion and integrate with the future terminal expansion and elevated roadway system at the airport.

Stafford Regional Airport - New General Aviation Terminal, Stafford, VA—Principal-in-Charge. Conceptual study for the design of a new 11,000-square-foot general aviation terminal for the airport.

Tri-Cities Regional Airport - Terminal Renovation,* Blountville, TN—Project Manager for this terminal renovation at the Tri-Cities Regional Airport. Project was phased with the first phase consisting of the construction of new ticket counters. Phase II consisted of the renovation to the existing restrooms and elevators to provide ADA compliance. Design was completed for future phase three; the proposed skybridge connector from the existing parking lot to the second level of the existing air carrier terminal.

Warrenton-Fauquier Airport - General Aviation Terminal, Midland, VA—Principal-in-Charge. Preparation of a conceptual design report for the new Warrenton-Fauquier Airport General Aviation Terminal.

St. Mary's County Airport - New Airport Terminal, California, MD—Project Manager. New 9,100-square-foot terminal building to attract regional air carrier service to support projected airport growth.

Shenandoah Valley Regional Airport - Renovation/Addition to General Aviation Terminal,* Weyers Cave, VA—Project Manager for renovation and addition to the existing general aviation terminal. Design features included the renovation of the existing FBO area, and the new construction of approximately 3,700 square feet consisting of a two-story passenger lobby, flight planning, pilots lounge, vending, conference room, and airport administrative offices.

Richmond International Airport - Programming/Long-Range Development Study, Richmond, VA—The master plan and design for a 220,000-square-foot phased expansion of the existing terminal and concourses. The final documents included space requirements based on projected utilization, schematic floor plans, concept images, phasing plans and cost estimates for each phase.

Richmond International Airport - North and South Parking Garages, Phase II, Richmond, VA—GS&P provided architectural and engineering design services for the parking garages and roadway. This project included the introduction of the department terminal which relocated all of the ticketing operations to the second level of the terminal and resulted in a major expansion of the baggage claim, baggage make-up and ground transportation areas to the first level of the facility, followed by the concourse renovation and expansion.

Roanoke Regional Airport - Emergency Operations Center, Roanoke, VA—Provided professional architectural and engineering services for the proposed up-fit of the lower level area of the existing concourse to provide a new emergency operations center at the airport. A portion of the project included enclosing an existing exterior passageway covered by the concourse above to be used as shell storage space.

Culpeper Regional Airport - General Aviation Terminal, Culpeper, VA—Project Manager. Architectural design services for a new 9,000-square-foot, two-story general aviation terminal building.

Destin Airport - General Aviation Terminal Conceptual Design Services, Destin, FL—Project Manager. Architectural and engineering design services for a 6,400-square-foot new general aviation terminal for Destin Airport.

Charlottesville-Albemarle Airport -Terminal Building Improvements, Charlottesville, VA—Principal-in-Charge. GS&P was selected to address the deterioration of the original interior finishes in the 15-year-old terminal and design ways to accommodate changes in the way the terminal was utilized due to new security protocols. The scope of the work included four major components: checked baggage screening, existing facilities improvements, engineering systems upgrades and a Public Safety Office addition. All work was completed on-time and within budget.

Baltimore-Washington International Airport - Program Management Services, BWI Airport, MD—Principal-in-Charge. GS&P provided architectural and interior design and document review services for all elements of BWI's \$1.8 billion improvement program. This included the expansion of arrivals and departures curbsides, pedestrian skybridges, a consolidated rental car facility, a new daily 8,300-space parking structure, interior improvements to the existing terminal, a new 15-gate terminal, a new people mover system and a new intermodal transportation center.



* - Individual Experience

Charlottesville-Albemarle Airport - 100% Checked Baggage Security Study, Charlottesville, VA—Principal-in-Charge. GS&P provided design services for modifications to the existing baggage make-up areas to accommodate new EDS equipment.

Chesterfield County Airport - General Aviation Terminal Expansion, Richmond, VA—Project Manager. GS&P provided the architectural design services for an 8,400-square-foot, two-story addition to the existing Chesterfield County General Aviation Terminal.

Lynchburg Regional Airport - General Aviation Terminal,* Lynchburg, VA—Project Manager of a conceptual study to analyze the existing general aviation terminal facility to determine whether renovation was feasible. Study concluded that renovation was not feasible and included alternate new general aviation terminal design options.

Conway-Horry County Airport - NAIA Terminal Facility, Conway, SC—Principal-in-Charge. Planning study for approximately 10,000 square feet of new GA terminal building and NAIA flight school.

Newport News/Williamsburg International Airport - New Terminal Facility Conceptual Study,* Newport News, VA—Project Manager of a conceptual study for a new terminal facility at Newport News/Williamsburg International Airport.

Manassas Regional Airport - New General Aviation Terminal,* Manassas, VA—Project Manager for this new 18,250-square-foot general aviation terminal facility. Design features include a two-story passenger lobby with the airport's administrative offices, conference room, and vending area provided on the second level; and the FBO area, flight planning, pilots' lounge, concessions and support areas located on the first level. The facility has been designed to incorporate future air carrier service.

McAllen-Miller International Airport - Replacement Terminal Conceptual Study,* McAllen, TX—Project Manager of a conceptual study for a replacement terminal at McAllen-Miller International Airport.

Myrtle Beach International Airport - New Terminal Complex, Myrtle Beach, SC—Principal-in-Charge. GS&P was chosen by Skanska USA and Horry County to provide architectural and engineering design services for a new 14-gate, three-level, 370,000-square-foot airport terminal complex. Facilities and services will include a two-level concourse, passenger holdrooms, baggage claim and screening areas, and a variety of office, retail and concession space.

New River Valley Airport - New General Aviation Terminal,* Dublin, VA—A new 4,500-square-foot general aviation terminal facility including the FBO area, passenger lounge, flight planning, pilots' lounge, vending, conference room, and support areas. Conference room was designed with demountable walls allowing the room to open into the adjacent passenger lobby for larger meetings.

Accomack Airport - New General Aviation Terminal,* Accomack County, VA—Project Manager of a conceptual study for the new GA terminal.

*Denotes individual experience



* - Individual Experience

Wilson P. Rayfield Jr., AIA

PROJECT MANAGER

EXPERIENCE

Mr. Rayfield is responsible for creating the overall architectural design for the airport terminal, in respect to the project image and programmatic requirements. He works closely with the client and the project team to continually develop the design throughout all phases of work. Each project undertaken by Mr. Rayfield has had requirements unique to the facility, and the design solutions that have evolved responded to exceed the client's expectations, while respecting the project construction budget. Specialized expertise in CADD three-dimensional modeling and animation allows Mr. Rayfield to quickly simulate the design alternatives to the client and the design team.

EDUCATION

1994/Bachelor of Architecture, University of Tennessee

REGISTRATIONS

Architect: TN

MEMBERSHIPS/AFFILIATIONS

Virginia Society of Architects, Member

American Association of Airport Executives, Member

Airport Consultants Council, Member

Airports Council International, Member

American Association of Airport, Member

American Institute of Architects/James River Chapter, Member, Design Forum 6 Steering Committee

CONTINUING EDUCATION

The Airport Terminal & Environs, Harvard University Graduate School of Design, Professional Development Program, 1996

AWARDS/HONORS

James River Merit Award for Richmond International Airport North and South Parking Garages, Richmond, VA./AIA, James River Chapter, 2001

James River Merit Award for Shanghai Lujiazui Central Area High Rise Building Concept Design, Pudong, China./AIA, James River Chapter, 2002

National Terrazzo and Mosaic Association Honor Award for concourse expansion at Richmond International Airport., 2003

James River Honor Award for the Richmond International Airport Terminal Expansion, Richmond, VA./AIA, James River Chapter, 2003

James River Merit Award for CJW Medical Center, Chippenham Campus, Levinson Heart Hospital, Richmond, VA./AIA, James River Chapter, 2003

James River Merit Award for Design Excellence for the Stafford Regional Airport Terminal Design/AIA, James River Chapter, 2004

Honorable mention in the Interior Design Excellence Award for Gresham, Smith and Partners' Richmond Office (corporate category under 35,000 square feet), 2005

SPEAKING ENGAGEMENTS

AAAE SEC/Construction Manager at Risk Delivery Methods for Airport Terminals, 2007

AAAE NAC/Terminal Construction and Remodeling: Best Use Challenges in Older Facilities to Meet Capacity Needs, 2007

Aviation Consultants Council/Airport Planning Design and Construction Symposium Panelist - 'General Aviation Airports and their Emerging Importance', 2004

YEARS OF EXPERIENCE

With GS&P: 14

RELEVANT PROJECTS

Richmond International Airport - Terminal Expansion, Richmond, VA—Project Manager. Phased development of the new, 160,000-square-foot, two-level terminal facility expansion which will interface with a new elevated roadway separating arriving and departing passenger flow. Terminal expansion plans respond to program analysis of the 2010 growth plan.

Richmond International Airport - Federal Inspection Services Station/Office Design, Richmond, VA—New 13,800-square-foot shell building to serve as the temporary location of the Federal Inspections Station, until the Federal Inspections Station is relocated to the expanded Concourse C.



* - Individual Experience

Richmond International Airport - Concourse C Expansion, Richmond, VA—Project Architect. Ten-gate addition to the existing concourse C which will provide for a net gain of seven new aircraft gates with jet bridges. On the lower level, this project provides space for a new 13,800-square-foot Federal Inspections Station, as well as for expanded airline operations areas. In addition to passenger holdrooms, the second level includes over 7,000 square feet of new concessions space. The expanded concourse design makes use of extensive natural light through skylights and glass curtain walls that open out to views of the airfield. The architectural character of the concourse combines aspects of the existing concourses with materials and elements of the terminal expansion design.

Richmond International Airport - South Garage Expansion and Entry Plaza, Phase II, Richmond, VA—Project Designer. This 1,924 space parking garage expansion to the south parking garage utilizes the vehicular and pedestrian vertical circulation as planned within the first phase of the garage. This expansion phase also provides new roadway access and entry plazas to the existing parking garages, and has relocated hourly parking into the existing parking structures.

Stafford Regional Airport - New General Aviation Terminal, Stafford, VA—Project Manager. Conceptual study for the design of a new 11,000-square-foot general aviation terminal for the airport.

Tampa International Airport - Remote Public Parking Garage, Tampa, FL—Project Architect. The GS&P team provided planning, design, engineering, signage and wayfinding, construction administration and related services for the new 5,590-space economy parking garage. The garage was built in two phases of 3,765 and 1,825 spaces, with the second phase completed and opened well ahead of schedule. The project also included a parking administration building, a toll plaza, passenger waiting areas for a shuttle bus, and the modification of entrances and exits to the airport service road.

Richmond International Airport - Programming/Long-Range Development Study, Richmond, VA—The master plan and design for a 220,000-square-foot phased expansion of the existing terminal and concourses. The final documents included space requirements based on projected utilization, schematic floor plans, concept images, phasing plans and cost estimates for each phase.

Richmond International Airport - North and South Parking Garages, Richmond, VA—Project Designer. Poured-in-place parking garages with 2,400 parking spaces, valued at \$24 million, including demolition, phased construction, roadway and surface parking lot modifications, covered walkways, landscaping, reflecting pools, signage, site utilities, lighting and parking revenue control system. Designed to allow for future expansion and integrate with the future terminal expansion and elevated roadway system at the airport.

Cincinnati/Northern Kentucky International Airport - Comair South Infill, Cincinnati, OH—One-story, 30,000-square-foot fast-tracked expansion to existing 48-gate facility/midfield airline terminal building for a large regional airline while facility remained in full operation.

Baltimore-Washington International Airport - Program Management Services, BWI Airport, MD—Project Manager. GS&P provided architectural and interior design and document review services for all elements of BWI's \$1.8 billion improvement program. This included the expansion of arrivals and departures curbsides, pedestrian skybridges, a consolidated rental car facility, a new daily 8,300-space parking structure, interior improvements to the existing terminal, a new 15-gate terminal, a new people mover system and a new intermodal transportation center.

Boston Logan International Airport - Terminal B Addition/Expansion, Boston, MA—Project Designer. GS&P provided full-service schematic design through construction administration services for architectural, civil, graphics, structural and electrical systems for this 102,000-square-foot addition/renovation to Terminal B for American Airlines. The expansion/renovation project provided eight gates for American and one gate for American Eagle. The project's primary components were an expanded ticketing office, renovated and expanded holdrooms and gates, new baggage makeup system, relocated and expanded baggage claim, curbside check-in, ground control tower and all related support spaces.

Myrtle Beach International Airport - New Terminal Complex, Myrtle Beach, SC—Project Manager. New airport terminal complex, includes all landside facilities and ramp extension to existing runway at Myrtle Beach International Airport. GS&P was chosen by Skanska USA and Horry County to provide architectural and engineering design services for a new 14-gate, three-level, 370,000-square-foot airport terminal complex. Facilities and services will include a two-level concourse, passenger holdrooms, baggage claim and screening areas, and a variety of office, retail and concession space.

Pensacola Regional Airport - Parking Garage and Terminal Expansion, Pensacola, FL—Project Designer. Expansion of the existing terminal and concourse, 1,400-car parking garage and skybridge connector. GS&P provided full-service schematic design, design development, contract documents, bidding and construction administration to the City of Pensacola.



* - Individual Experience

Julia Bradley Rayfield, CID

SENIOR INTERIOR DESIGNER

EXPERIENCE

Julia has a diverse background of commercial aviation design with a broad knowledge of suitable materials for corporate and heavy use areas. Project experience ranges from programming through design, construction documents, detailing and post occupancy evaluations.

Julia works closely with the project architect to meld the architectural and interior elements of the facility. Materials are closely studied to determine the most appropriate finishes for all areas of the facility. Final choices and patterns are often added to 3-D computer models to communicate the final look with the client.

EDUCATION

1994/Bachelor of Science, Interior Design, University of Tennessee

1990/Associate of Arts, Hiwassee College

REGISTRATIONS

Interior Designer: VA

MEMBERSHIPS/AFFILIATIONS

International Interior Design Association

AWARDS/HONORS

Award of Honor for Richmond International Airport Terminal Expansion/American Institute of Architects, James River Chapter, 2003

Award of Merit for CJW Medical Center, Chippenham Campus, Levinson Heart/American Institute of Architects, James River Chapter, 2003

YEARS OF EXPERIENCE

With GS&P: 13

With other firms: 2

RELEVANT PROJECTS

Okaloosa Regional Airport - Terminal Expansion and Renovation, Eglin Air Force Base, FL—Interior Designer. Terminal expansion provides approximately 103,600 square feet of new terminal and concourse space. Concourse provides six gate positions, with three second level gates and three ground level gates.

Richmond International Airport - Federal Inspection Services Station/Office Design, Richmond, VA—New 13,800-square-foot shell building to serve as the temporary location of the Federal Inspections Station, until the Federal Inspections Station is relocated to the expanded Concourse C.

Richmond International Airport - Concourse C Expansion, Richmond, VA—Lead Interior Designer. Ten-gate addition to the existing concourse C which will provide for a net gain of seven new aircraft gates with jet bridges. On the lower level, this project provides space for a new 13,800-square-foot Federal Inspections Station, as well as for expanded airline operations areas. In addition to passenger holdrooms, the second level includes over 7,000 square feet of new concessions space. The expanded concourse design makes use of extensive natural light through skylights and glass curtain walls that open out to views of the airfield. The architectural character of the concourse combines aspects of the existing concourses with materials and elements of the terminal expansion design.

Richmond International Airport - Concourse A Expansion, Richmond, VA—Interior Designer. Additions and modifications to the existing airport concourses and terminal. Five-gate addition to an existing concourse included four aircraft gates with jetbridges and one regional aircraft gate. The terminal expansion included curbside, baggage claim lobby, airline ticketing counter and administrative areas.

Richmond International Airport - Terminal Expansion, Richmond, VA—Interior Designer. Phased development of the new, 160,000-square-foot, two-level terminal facility expansion which will interface with a new elevated roadway separating arriving and departing passenger flow. Terminal expansion plans respond to program analysis of the 2010 growth plan.

Tampa International Airport - Ticket Level Renovations, Tampa, FL—Provided project management, architectural and interior design for this 85,000-square-foot renovation project. The project also included a curbside expansion, an airside shuttle lobby, and a high-speed outbound baggage system study.



* - Individual Experience

Roanoke Regional Airport - Interior Design Standards Concept, Roanoke, VA—Developed an interior standards program for new finishes and seating for the existing airport public spaces. Approved finishes and furniture were documented and incorporated into standards binders. Enough information was made available so that the owner could purchase items individually as needed.

Richmond International Airport - Administrative Offices, Richmond, VA—GS&P was responsible for the build-out of two existing 12,400-square-foot shell areas to provide administrative office space in the airport's new terminal building.

Chesterfield County Airport - General Aviation Terminal Expansion, Richmond, VA—GS&P provided the architectural design services for an 8,400-square-foot, two-story addition to the existing Chesterfield County General Aviation Terminal.

Blue Grass Airport - Terminal/Façade Renovation, Lexington, KY—Project Manager. GS&P developed the conceptual design and theme for the airport's terminal/façade renovation. The design conveys the area's region and community, while updating/upgrading finishes and incorporating state-of-the-art features in the facility. The design solution was able to unify the overall terminal, concourse and curbside areas.

Blue Grass Airport - Parking Garage, Lexington, KY—GS&P designed a \$10 million, 1,000-space parking garage to be placed over the current short-term parking and a portion of the long-term parking lots, including a pedestrian walkway. The entire project was designed and completed in less than four months.

Charlottesville-Albemarle Airport -Terminal Building Improvements, Charlottesville, VA—GS&P was selected to address the deterioration of the original interior finishes in the 15-year-old terminal and design ways to accommodate changes in the way the terminal was utilized due to new security protocols. The scope of the work included four major components: checked baggage screening, existing facilities improvements, engineering systems upgrades and a Public Safety Office addition. All work was completed on-time and within budget.

Cincinnati/Northern Kentucky International Airport - North Infill and Canopy Expansion, Cincinnati, OH—Provided full planning and design services for further expansion of Comair's Concourse C at the airport. In addition to approximately 36,000 square feet of public holdrooms, concessions and operations space, the program included provisions for future expansion based on GS&P's master planning efforts.

Myrtle Beach International Airport - New Terminal Complex, Myrtle Beach, SC—GS&P was chosen by Skanska USA and Horry County to provide architectural and engineering design services for a new 14-gate, three-level, 370,000-square-foot airport terminal complex. Facilities and services will include a two-level concourse, passenger holdrooms, baggage claim and screening areas, and a variety of office, retail and concession space.

Blue Grass Airport - Concourse B Gate Additions, Lexington, KY—GS&P provided the planning services for a six-gate addition to the existing concourse for regional jet service at the airport. The conceptual design included the evaluation of concourse-level boarding for all regional jet service, developing opportunities to enhance the concessions and expanding the air carrier ramp.



* - Individual Experience

Scott J. Swanson CDT, AIA, LEED AP

PROJECT ARCHITECT

EXPERIENCE

Scott's diverse background includes experience among aviation, educational, historic, and healthcare projects. As a licensed architect and LEED Accredited Professional, his project experience includes design and detailing of the exterior skin and appearance of a building but also in planning and historic renovation work. By achieving CDT certification through the CSI, he has proven knowledge to assemble more correct, concise, and clearly organized drawings and specifications. Scott has an exceptional ability to communicate effectively with owners, contractors, and others involved in the building process.

EDUCATION

2001/Bachelor of Architecture, Architecture, The University of Detroit Mercy

REGISTRATIONS

Architect: VA

MEMBERSHIPS/AFFILIATIONS

American Institute of Architects (AIA)/Richmond, VA, Member, 2006–Present

ACCREDITATIONS/CERTIFICATIONS

Leadership in Energy and Environmental Design

YEARS OF EXPERIENCE

With GS&P: 2

With other firms: 7

RELEVANT PROJECTS

Okaloosa Regional Airport - Terminal Expansion and Renovation, Eglin Air Force Base, FL—Project Architect. Provided the specific terminal expansion requirements, developed a conceptual layout, and provided an estimate for the probable construction costs for use in developing the appropriate FAA PFC application.

Pensacola Regional Airport - Parking Garage and Terminal Expansion, Pensacola, FL—Project Architect. Expansion of the existing terminal and concourse, 1,400-car parking garage and skybridge connector. GS&P provided full-service schematic design, design development, contract documents, bidding and construction administration to the City of Pensacola.

University of Alabama at Birmingham - Women's and Infants' Radiation Oncology - Shell, Core, Bridge and Streetscape—Project Architect. Responsible for the production and design of a three-story connector bridge between an existing hospital and a new Women and Infant Hospital at the University of Alabama Birmingham. New Women's and Infants Hospital and RD ONC Facility. 10-floors, 600,000 gsf and 450,000-square-foot fit-out. Represents CD Fee and CA Fee for 2007 (April thru December, \$27,000/mo x 9 months).

Prince William Health System - Market Center Campus Master Planning, Haymarket, VA—Project Coordinator. Responsible for lead production on the shell portion of a new three-story, 80,000-square-foot medical office building in Northern Virginia. Conceptual master site plan and design of Phase I building. Master plan for this 86-acre campus acquired to provide new outpatient services. The plan included potential development of 300,000 square feet. The first phase of the development is a 79,000-square-foot ambulatory care center and medical office building including a freestanding emergency center, advanced imaging services, a two-OR surgery center with two endoscopy procedure rooms, pre-admission testing and rehabilitation services.



* - Individual Experience



CAD Concepts,

Education:

- The Ohio State University, B.S. Geography, 2000
- Columbus State Community College, 1992-1996
- Ohio University, 1973-76; 1977-78

Computer/ Software Skills:

- 16 years experience using AutoCad, including Softdesk/Land civil modules Autocad/Map GIS module and Autolisp programming
- MicroStation
- ESRI ArcView, Avenue and Arc/Info
- MS Office Products; Word Perfect; QuattroPro, Lotus 123
- Minitab (statistical analysis)
- GeoPak

Dave Seslar, Technical Manager

Project History

- **Diamond Power International, Columbus, Ohio – Exploded parts diagram revisions:** Project to revise existing exploded parts diagrams for proprietary power generation equipment to reduce information available for alternative part substitutions. Work involved removing detailed part numbers and randomizing part index numbers on diagrams and bill of material lists. Dave's involvement included developing randomization scheme and working methods, revising diagrams, team member training and QAQC on revised diagrams.
- **Burgess and Niple, Columbus, Ohio – City of Columbus/Division of Sewers and Drains – West Fifth Inflow/Infiltration Study:** Project consisted of studying sanitary sewer system for 1.3 square mile area for inflow and infiltration issues. Dave's involvement included preparing mapping products for Storm Event field teams; collecting available area data and incorporating into project GIS database; assisting team developing yard/basement flooding questionnaire and displaying questionnaire response data in GIS system; and preparing maps and figures for reports and meetings with stake holders.
- **Gresham Smith Partners, Columbus, Ohio - Port Columbus International Airport – Storm Water Study:** Study on storm water collection system for available existing capacity and needs for projected airport expansion. Dave's involvement included developing and revising storm water sub-basin collection boundaries and acreages, creating and revision basin maps, and QAQC on final basin maps prepared by other CCI employees.
- **Gresham Smith Partners, Columbus, Ohio - Port Columbus International Airport – Green Roof Study:** Feasibility study using Green Roof systems on Airport terminal roofs where plants and growth media use and store rainwater and reduce the storm water run off. Dave was a part of the roof survey team, developed the existing roof plan for the study and created the study report figures.

Prior Relevant Work Experience

URS Corporation Wastewater Projects - Civil Engineering Designer/Drafter: Design phase for new wastewater treatment facilities and upgrades and sewer collection systems; work included developing, detailing and revising site work, structure work, design coordination. Projects include:

- **City of Columbus – Big Walnut Augmentation/Rickenbacker Interceptor, Parts 1 and 2:** Four miles of 168" sanitary sewer interceptor in part 1 and 2.5 miles of 144" sanitary sewer interceptor to be installed using a tunnel boring machine
- **Columbus, Ohio – Jackson Pike Digester Rehabilitation (J187):** Aanaerobic digesters rehabilitation with new inflatable covers, piping and controls.
- **City of Marysville, Ohio – New Headworks Structure:** New headworks building including lift station, rotary screen and grit removal equipment, ventilation equipment and flow splitting equipment.
- **Villages of Albany, Bettsville, Chesterville, Jewett and Donnelsville, Ohio - Biolac® Wastewater Treatment Facilities:** New Biolac® process WWTFs for villages that previously had no wastewater collection or treatment capacity



CAD Concepts, Inc.

Education:

Slippery Rock University of
Pennsylvania
Graduated: 2002
Major: Environmental Studies
Minor: Cartography/GIS

***Computer/
Software Skills:***

- Adobe Illustrator
- Adobe Photoshop
- Freehand
- MapInfo
- MapObjects
- Arc/Info
- ArcView
- AutoCAD
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Word

Kristen Matija, Engineering Technician

Project History

- **Gresham-Smith, Columbus, OH - Port Columbus International Airport Storm Water Management:** Utilized AutoCAD Map to edit sub-catchment boundaries, calculate area and impervious area of sub-catchment and produce maps of the airport area.
- **Professional Program Management for Wastewater Improvements:** Put together photographic aeriels and base maps for Jackson Pike and Southerly Wastewater treatment plants. In addition, used these figures in PowerPoint Presentations. Edited Standards Drawings, Southerly Survey and Hydraulic Drawings. Designed SOP Manual Graphics from photos.
- **Woolpert, Charlotte, NC – McGhee Tyson/Knoxville Airport:** Utilized AutoCAD to change layer names, merge layers and make several new drawing files.
- **Reynolds, Smith and Hills, Toledo, OH – Toledo Airport Master Plan:** Created shapefiles from various AutoCad Drawings to help the airport create a GIS system.
- **Reynolds, Smith and Hills, Columbus, OH – Skybus Expansion Phase 2 & Skybus Renovations – Port Columbus International Airport**
Created drawings of options and recommendations to expand Skybus services at Port Columbus International Airport.

Prior Relevant Work Experience

- **Burgess & Niple Ltd., – Cartographer/GIS Technician:** Responsible for creation and editing of cartographic products ranging from internal technical maps to public marketing maps and acquisition, purification, and analysis of geographically referenced data. Representative projects include:
 - Cleveland Innerbelt Study, Cleveland, OH
 - Northwest I-270/US 33 Freeway Study, Columbus, Ohio
 - DCCS Bikeway Corridor Development, Downtown Columbus, Ohio
 - City of Dublin Travel Demand Model, Dublin, Ohio.
- **Western Pennsylvania Conservancy – GIS Technician:** Responsible for creating, updating and cataloging GIS data for land and forest conservation; designing a metadata catalog system for the organization's GIS data; and creating a GIS for the organization's Garden Department. Representative projects include:
 - Forestry Analysis of Western Pennsylvania
 - Western Pennsylvania Conservancy Community Garden GIS Project, Western Pennsylvania.

LARRY M. JACOBS, PE

PROFESSIONAL EXPERIENCE

1980 to Present:

Began working with Georgia Testing Laboratories, Inc. in 1980 on projects requiring geotechnical engineering. Became stockholder and Principal Geotechnical Engineer in 1982, supervising subsurface explorations, laboratory testing, field testing, and writing all engineering reports. Projects include large industrial buildings; light commercial buildings; slope stability analysis; pile, pier, and caisson foundations; earth dams; retaining walls, and improvement of soft soils for building construction.

January, 1976 to Present:

President of Larry M. Jacobs & Associates, Inc. (Pensacola, FL). Established and operate a consulting Geotechnical Engineering/Testing firm. Duties and projects are similar to those noted for May, 1974 to December, 1975. Projects have included dredging feasibility evaluations, in-water dike construction on very soft soils, beach erosion and scour potential, small earth dams, retaining walls, numerous high rise structures, shopping centers and malls, several projects in Louisiana on very soft soils, landfill evaluations and design, evaluation of design parameters for bulkhead design, pile supported wharves and piers for port and industrial sites, industrial facilities, groundwater seepage analysis for decontamination and hazardous waste sites. Groundwater Modeling for stormwater ponds and wastewater treatment plant treated water disposal, highways, and airport runways, taxiways, and facilities.

May, 1974 to December, 1975:

Branch Manager/Vice President of Geotechnical Engineering/Testing, Inc. (Pensacola, FL). Duties included soil and foundation analysis and recommendations for soil and foundation studies as well as all administrative and managerial functions. Typical projects included pile foundation studies, related construction control, controlled seepage ponds, building foundations, analysis and design of preload fills, elevated water tanks and general soils and compaction problems.

November, 1972 to May, 1974:

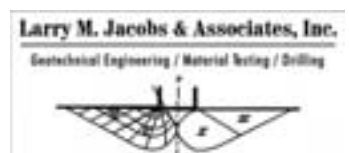
Head, Soils and Foundation Department, Pensacola Testing Laboratories, Inc. (Pensacola, FL). Duties included complete determination, set-up and supervision of all soils investigations and testing programs, analysis of test results and writing of reports containing foundation recommendations.

April, 1971 to October, 1972:

Construction Project Manager, OICC/ROICC, NAS (Pensacola, FL). Had complete responsibility for construction projects from bid opening and award through construction, completion and closure of the contract. Was responsible for construction contracts totaling over \$7,000,000 during this period.

August, 1970 to March, 1971:

Public Works Officer/Advisor, NHA BE Logistics Support Base, (Vietnam). Duties consisted of constructing of minor construction projects, maintenance of existing base facilities, supervision of \$2,000,000 worth of new base construction projects, transportation office responsible for over 110 vehicles and pieces of equipment, management of Public Works Department which was composed of approximately 45 U.S. Seabees, 80 Vietnamese military and 5 Vietnamese civilians, operations of base utilities and establishing Public Works capabilities and supply channels for a multi-base complex.



March, 1970 to July, 1970: Assistant Facilities Planning Officer/Design Officer, Public Works Department, Naval Support Activity (Saigon, Vietnam). Duties included conducting field surveys throughout Southern Vietnam, engineering and design and supervision of the Design Department consisting of 6-8 draftsmen to provide drawings and material quantities required to accomplish construction.

December, 1969 to March, 1970: Ensign, Civil Engineering Corps, United States Navy, (Port Hueneme, CA). Completed basic course with Public Works option. Course work was general with approximately one-half of the course material applying to engineering, engineering management, and engineering economics.

July, 1969 to December, 1969: Naval Officer Candidate, Naval Officer Candidate School, Newport Naval Base, Newport, RI

January, 1969 to June, 1969: Research Assistantship/Graduate Studies, University of Illinois (Urbana, IL). Completed three graduate credit courses concurrent with half-time graduate Research Assistantship. Audited second rock mechanics course.

April, 1968 to January, 1969: National Science Foundation Research Grant, University of Illinois (Urbana, IL). Initiated, developed and performed a research program to test the material properties of sand-plaster mixes for eventual use to simulate rock in model tunnel testing. Completed two graduate credit courses concurrent with completing undergraduate studies. Audited one rock mechanics course.

June, 1967 to September, 1967: Assistant Resident Engineer, State of Illinois Highway Department (Eglin, IL). All duties and responsibilities of Resident Engineer; surveying, layout, inspection, testing, and general administration of a \$43,000 highway improvement job.

EDUCATION

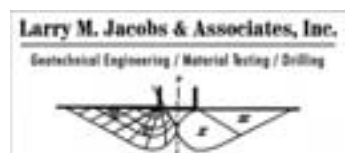
June, 1974 to June, 1976: Participated in MBA Program at the University of West Florida.

January, 1969 to June, 1969: Completed requirements for BSCE from the University of Illinois; also completed 5 Graduate Credit courses and audited two graduate courses in geotechnical engineering rock mechanics and engineering geology from the University of Illinois before leaving for military service.

CONTINUING EDUCATION

Pursued a conscientious program of professional improvement in an engineering career. A listing of the more prominent seminars attended is shown below:

- Current Practices in Pile Design and Installation
- Florida Building Code
- Earthquake Protective Design
- De-watering
- Ground Modification
- Pavement Subsurface Drainage
- Asphalt/Pavement Maintenance
- Professionalism Ethics & The Law
- Pile Tips Pile Conference
- Grouting in Geotechnical Engineering
- Analysis and Design in Geotechnical Engineering
- Lateral Soil Pressure
- In-situ Measurement of Soil Properties
- Environmental Permitting Short Course
- Rock Engineering
- Solar Heating and Cooling
- Earthquake Engineering and Soil Dynamics



- Lessons Learned from Hurricanes Andrew and Iris
- Deep Foundation Construction Design & Quality Control
- Geotechnical Practice for Disposal of Solid Waste Materials
- Vertical and Horizontal Deformations of Foundations and Embankments
- Application of Wave Equation, Analysis & Dynamic Testing Methods for Design, Construction & Quality Control of Deep Foundations
- Marketing for Engineers
- Spread Footing Prediction Symposium
- Settlement and Consolidation Analysis

MILITARY

March, 1970 to October, 1972:	Active duty as stated in resume of working experience.
December, 1969 to February, 1970:	Naval Civil Engineer Corps Officer School, Port Hueneme, California.
November 21, 1969:	Commissioned as Ensign, Civil Engineer Corps, United States Navy.
July, 1969 to November, 1969:	Naval Officer Candidate School, Newport, Rhode Island.

REGISTRATIONS AND AFFILIATIONS

Member of the American Society of Civil Engineers, Senior Member of the Florida Engineering Society. Registered Professional Engineer in Florida, Alabama, Georgia, and Mississippi.

Keith V. Jacobs, PE
328 East Gadsden Street
Pensacola, FL 32501
(850) 434-0846

EDUCATION University of Central Florida, Orlando, FL	2002
Bachelor of Science in Civil Engineering	
Graduate Level Courses in Geotechnical Engineering and Pavement	

EXPERIENCE Larry M. Jacobs & Associates, Inc.; Pensacola, FL	2002-Present
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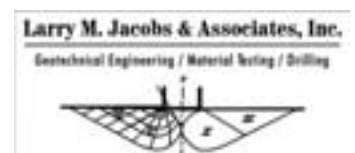
- Set up and coordinate drilling operations
- Classify soil samples and select appropriate laboratory tests
- Provide Geotechnical Engineering Recommendations for the design of:
 - Shallow and deep foundations
 - flexible and rigid pavements
 - Stormwater management systems
 - Retaining walls
 - Pile foundations
 - Groundwater control
 - Preloading of subsurface compressible soils
- Analyze pile load test data to certify pile foundations
- Analyze the settlement and differential settlement of structures
- Analyze the stability of slopes
- Evaluate existing structures such as settled buildings and failed pavement
- Written computer programs for geotechnical analysis and computation of:
 - Pile capacities
 - Retaining wall stability
 - Elastic settlement calculations
 - Increase in stress using Boussinesq theories
 - Pile driving and hammer analysis

Nodarse & Associates, Inc. ; Winter Park, Florida	2001-2002
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- Developed professional report and proposal writing skills
- Gained knowledge of FDOT geotechnical procedures
- Classified soils samples using Unified and AASHTO systems
- Learned basic project organization, management, and planning skills
- Worked with professional engineers on report and proposal writing
- Performed analysis using computer programs

Panara Bread at Waterford Lakes; Orlando, FL	2000-2001
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- Served, bussed, operated coffee bar, prepared and handled food
- Managed closing and operation of service lines
- Developed basic customer service skills



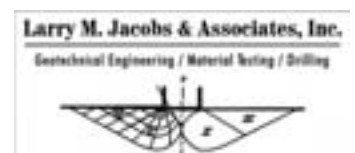
Larry M. Jacobs & Associates, Inc.; Pensacola, FL

1994-1999

- Performed hands on testing of concrete and soils in laboratory
- Worked on drill crews during school breaks
- Drafted and organized engineering plans
- Developed basing understanding of geotechnical engineering

CERTIFICATIONS AND AFFILIATIONS

- Registered Professional Engineer in the state of Florida
- National Society of Professional Engineers
- Florida Engineering Society
- Chi Epsilon Civil Engineering Honor Society



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- Engineering
- Geotechnical
- Environmental

WAYNE O. HYGEMA

NAME & TITLE	Wayne O. Hygema District Manager/Quincy Office
TECHNICAL ROLE	Project Manager/Quality Control Manager/Senior Inspector
YEARS OF EXPERIENCE	9
EDUCATION	West Nassau High School Honorable Discharge United States Marine Corps – Staff Sergeant / E-6
CERTIFICATES	<ul style="list-style-type: none">➤ Asphalt Paving Technician – Level I➤ Asphalt Paving Technician – Level II➤ Asphalt Plant Technician – Level I➤ ACI Compressive Strength Technician➤ FDOT Concrete Laboratory Inspector, CTQP➤ ACI Field Aggregate Testing Technician➤ ACI Concrete Laboratory Testing Technician, Grade II➤ CMEC Masonry Testing Technician➤ ACI Aggregate Lab Testing Technician➤ Aggregate Testing Technician➤ LBR Technician, CTQP➤ Nuclear Radiation Safety Training (Troxler)➤ Earthwork Level I, CTQP➤ Earthwork Level II, CTQP➤ ACI Concrete Field Testing Technician – Level I➤ ACI Concrete Field Testing Technician – Level II➤ FDOT Concrete Field Inspector, CTQP➤ Qualified Sampler Technician➤ ACI Concrete Transportation Construction Inspector, Grade II➤ QC Manager - CTQP
QUALIFICATIONS	Mr. Hygema has 9 years experience in the Asphalt, Soil, Aggregate and Concrete Lab and Field Testing. Wayne has recently obtained his Grade II ACI Bridge Inspectors Certification. He is Asphalt Plant Level I certified and has performed as both Quality Control and Quality Assurance Inspector at numerous airports and FDOT Projects throughout Florida. He has performed the duties as a Quality Control Manager on numerous FDOT Roadway Projects such as SR 63 (US 27) in Leon County, US 441 in Alachua County and SR 263 (Capital Circle) in Leon County. Wayne has served as the Quality Control Manager for two FDOT Vertical Projects including the new building at the I-75 Welcome Center and the Rest Area at the Madison County line (I-10 East and West bound). He is the QC Manager for two FDOT Certified Concrete Batch Plant's. His FDOT roadway inspection experience includes, inspection on the US 90 (Chaffee Road) Project in

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- Environmental

WAYNE O. HYGEMA

Duval County, SR-345 in Levy County, and County Road 245 in Columbia County. Wayne's Earthwork experience includes two district wide Verification Contract's in District II. He has also performed the duties as Senior Inspector for Placement of Thermoplastic Striping throughout District II for the past three years. He is proficient and knowledgeable in most test and inspections for Asphalt, Concrete, Soil and Aggregate to include FDOT approved Structural Concrete Mix Designs. Mr. Hygema is currently the District Manager for our Quincy Office/Laboratory in District III.

REPRESENTATIVE PROJECT EXPERIENCE

- FDOT #C-7570 – Miscellaneous Testing Contracts, District II
- FDOT #C-8625/8626 – Miscellaneous Testing Contracts, District II
- Q.C. Manager/QC Inspector, I-75 Florida Welcome Center Building, Jennings, FL
- Assistant QC Manager/QC Inspector, I-10 (Madison County) East and West bound Rest Area building rehab project, Madison, FL
- SR-263 (Capital Circle), Leon County, Widening & Resurfacing, QC Manager.
- SR-61 (Monroe Street), Leon County, Pedestrian Improvements Contract, QC Manager.
- SR-63 (US 27), Leon County, Widening, Milling, Resurfacing, QC Manager and Senior Inspector
- US 90 (Chaffee Rd), Duval County, Milling and Paving Q.A. Inspector
- Runway 10-28 Rehab. Gainesville Regional Airport, Senior Roadway Inspector
- District 2, District Wide Thermoplastic Paint Striping Contract, Senior Inspector
- SR 345 Mill and Resurface Project, Q.C. Inspector/Manager
- SR 200 (US 301) Q.C. Earthwork Level II Inspector
- SR 25 (US 441) Q.C. Earthwork Level II Inspector
- Tampa/St. Petersburg International, Plant QA Inspector
- Taxiway P & J, Tallahassee Regional Airport, QA Roadway Inspector, Tallahassee, FL

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- Environmental

TERRY HYGEMA

NAME & TITLE	Terry Hygema/H25081667 Field Technician/Quincy Office
TECHNICAL ROLE	Inspector/Field Technician
YEARS OF EXPERIENCE	5
EDUCATION	West Nassau High School, Callahan, FL Honorable Discharge – United States Army
CERTIFICATES	<ul style="list-style-type: none">➤ ACI Concrete Field Testing Technician, Level I➤ FDOT Concrete Field Inspector, CTQP➤ Earthwork Construction Inspector – Level I, CTQP➤ Earthwork Construction Inspector – Level II, CTQP➤ Nuclear Radiation Safety Training (CPN)➤ Asphalt Paving Technician – Level I, CTQP➤ Asphalt Paving Technician – Level II, CTQP➤ Drilled Shaft Inspector, CTQP➤ Final Estimates – Level I➤ Intermediate MOT
QUALIFICATIONS	<p>Mr. Hygema has served as a Q.C. Inspector for several Airport Projects, including Thomasville, GA, Gainesville, FL and Punta Gorda, Charlotte County. Terry has recently finished Drilled Shaft Inspection on forty High Mast Lighting shafts on SR-8/I-10. He has served as a Quality Control Level II Earthwork Inspector on several projects including SR 16 in Starke and SR 263 in Tallahassee, FL. He previously served as a CEI Inspector on Blue Angel Parkway in Pensacola, FL. He is well versed in both FDOT and FAA Specifications. Terry is qualified to perform testing in soils and aggregates as well as concrete and asphalt pavement. He has performed the duties as Quality Control Inspector on several paving operations, including SR 345 in Chiefland, FL. His Earthwork experience also includes performing the duties as a Verification Technician on two FDOT District (II) Wide contracts. Terry is currently scheduled to attend the Asphalt Paving Level II Course in Gainesville during the month of July '07.</p>
REPRESENTATIVE PROJECT EXPERIENCE	<ul style="list-style-type: none">➤ SR 16 Widening & Resurfacing, Starke, FL➤ SR 263 Widen, Mill, Resurface, QC Earthwork, Concrete & Paving Inspector, Tallahassee, FL.➤ SR-8/I-10 New Lane Construction, QC Earthwork, Concrete and Drilled Shaft Inspector, Tallahassee, FL➤ SR-8/I-10 QC Bridge Concrete Technician, New Bridge Construction, Tallahassee, FL➤ C-8625/8626 Miscellaneous District Wide Testing, Verification Testing➤ SR 173 (Blue Angel Parkway), Mill, Widen, and Resurface, Pensacola,

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TERRY HYGEMA

FL CEI Inspector

- US-90 (Mobile Highway), Mill and Resurface, Pensacola, FL, CEI Inspector
- SR 345 Mill and Resurface, including ARMI Layer, Chiefland, FL Quality Control Paving Inspector
- University Green Subdivision, Level II Earthwork Technician, Pipe Inspector, Tallahassee, FL
- Air Cargo Facility, Earthwork, Concrete & Paving QA Inspector, Tallahassee Regional Airport, Tallahassee, FL
- Punta Gorda, North T Hangar Complex Development, Charlotte Co., FL
- Schedule "A" Taxiway and Re-alignment, Thomasville, GA Municipal Airport
- Schedule "B" Runway 22, MALSR Grading, Thomasville, GA Municipal Airport

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- Geotechnical
- Environmental

RICHARD KRAMER

NAME & TITLE

Richard Kramer
Field Technician / Quincy Office

TECHNICAL ROLE

Field Technician

YEARS OF EXPERIENCE

2

EDUCATION

Madison County High School, Madison, FL

CERTIFICATES

- Earthwork Construction Inspector – Level I
- Nuclear Radiation Safety Training (Troxler)
- Asphalt Paving Technician – Level I, CTQP

QUALIFICATIONS

Mr. Kramer has over 2 years experience in the Construction Materials Testing business. He seems to excel in the earthwork portion and has absorbed an enormous amount of information in a short period of time. Richard has been involved with vertical construction contracting for several years and seems to have a firm grasp on the density to moisture relationship.

REPRESENTATIVE PROJECT EXPERIENCE

- SR-263 (Capital Circle), Widening & Resurfacing, QC Earthwork Technician (Trainee), Leon County,
- Hartsfield Gardens Subdivision, Earthwork Technician/Pipe Inspector, Tallahassee, FL
- City of Madison Sidewalk Project, Madison, FL, Construction Materials Inspection and Testing
- Bainbridge Raceway, Bainbridge, GA, Construction Materials Inspection and Testing
- Fairway View Apartments, Tallahassee, FL, Construction Materials Inspection and Testing
- CR 360, Madison, FL, Construction Materials Inspection and Testing
- Okaloosa Regional Airport, Okaloosa, FL, Construction Materials Inspection and Testing
- Tippy Canoe Hills Subdivision, Tallahassee, FL, Construction Materials Inspection and Testing



References

PBS&J has developed long-standing relationships with numerous public and private entities throughout Florida and nationwide.

PBS&J brings a wealth of experience from other projects completed throughout the state of Florida. The knowledge gained through the planning and implementation of these projects serves to demonstrate our excellent qualifications for performing future projects for the Okaloosa County Airports System.

PBS&J encourages the County to contact the following references for first-hand evaluations of the services we provide to our clients.

Florida Department of Transportation (FDOT) District Three

Keith Shores, Project Manager

1074 Highway 90
Chipley, FL 32428-2162
Tel: 850.638.0250

General Engineering Consultant Services DISTRICTWIDE, FLORIDA

The FDOT District Three general engineering consultant (GEC) services contract was established to provide resources and staffing to the district in times of need, either due to surges in workload or when the required expertise was not available in-house. PBS&J is presently in the third term of three 5-year (1993 to 2008) GEC contracts, representing over \$3 billion in design and construction. In this capacity, PBS&J functions as an extension of the district's resources by providing qualified technical and professional personnel for a wide range of engineering, architectural, technical, management, and administration services for projects within the 16 counties of the district.



In addition to providing quality, traditional GEC services to the district, PBS&J has developed a number of innovative procedures and programs for FDOT District Three, which are being considered for statewide implementation. The concept development program is a tool that the district now uses to successfully program the upcoming year's budget through evaluating and determining needs, and developing costs and scopes of services. PBS&J manages the scheduling of over 500 projects, establishing target schedules to evaluate actual and forecasted progress of projects compared to the work program.

City of Winter Haven

Cheryl Connor, Director of Airports

451 Third Street, NW
Winter Haven, FL 33881
Tel: 863.298.4551



Winter Haven Municipal Airport GEC WINTER HAVEN, FLORIDA

Since 1994, PBS&J has served as GEC to the Winter Haven Municipal Airport in Winter Haven, Florida. As part of the GEC contract, PBS&J has provided planning,



engineering, permitting, environmental, and construction services for projects including the Airport Master Plan Update; Joint Automated Capital Improvement Plan (JACIP) Update(s); Disadvantaged Business Enterprise (DBE) Program Update(s); Airport Layout Plan Update; Rehabilitation of Taxiways A, B-1, B-3, B-4, and C-3; Construction of New Taxiways C and D; Construction of T-hangar Taxilanes; Rehabilitation of General Aviation Apron; Construction of a New 13,000-square-foot Airport Terminal; T-hangar Design-Build Package; and gopher tortoise relocation.

Sebring Airport Authority

Michael Willingham, Executive Director

128 Authority Lane

Sebring, FL 33870

Tel: 863.655.6444, ext. 103

Sebring Regional Airport GEC

SEBRING, FLORIDA



PBS&J has been the general consultant to Sebring Airport Authority since 1995. During this time, PBS&J has served as an extension of authority staff to provide general consulting on an as-needed basis.

We have provided planning, architecture, engineering, permitting, and environmental services for the following projects:

- Airport master plan update
- Aircraft apron rehabilitation
- Potable water and wastewater treatment plants
- T-hangar development
- Creation of a community development authority
- Environmental remediation and cleanup
- Land acquisition
- 100-acre Commerce Park master plan and infrastructure
- Taxiway construction
- Runway rehabilitation
- Roads and streets
- Airport terminal (Sebring Airside Center)
- Chateau Elan Lodge, 86-room hotel (shown below)
- Rail infrastructure
- Sebring International Raceway master plan
- Industrial and manufacturing facilities
 - Hancor, Inc. (pipe manufacturing facility)
 - Lesco Fertilizer (90,000 square feet)
 - Leza Manufacturing
 - Funder America manufacturing facility (55,000 square feet with 70,000 square feet under roof)



Santa Rosa County

Hunter Walker, County Commissioner

6495 Caroline Street, Suite C
Milton, FL 32570
Tel: 850.983.1855



Peter Prince Airport GEC

SANTA ROSA COUNTY, FLORIDA

Since 1999, PBS&J has served as GEC for Peter Prince Airport in Milton, Florida. During this time, PBS&J has provided planning, engineering, permitting, environmental, and construction services for projects including the Airport Master Plan Update, Airport Layout Plan Update, Realignment of Taxiway A, New T-hangar Taxilanes Construction, Runway Safety Area Improvements, New Runway End Identification Lighting (REIL) Installation, New Wind Cone Installation, Remark Runway 18-36, Relocate Existing Precision Approach Path Indicator (PAPI), and four new aircraft hold bays construction.

Hernando County

Donald Silvernell, Airport Director

16110 Aviation Loop Drive
Brooksville, FL 34604
Tel: 352.754.4061

Hernando County Airport GEC

BROOKSVILLE, FLORIDA

Since 2003, PBS&J has served as GEC for the Hernando County Airport in Brooksville, Florida. As part of the GEC contract, PBS&J has provided planning, engineering, permitting, environmental, and



construction services for projects including the South Airport 500-Acre Master Development Plan, Rail Park design and permitting, 1.8-mile Sgt. Leah Mills Boulevard, Suncoast Plastics Railway Feasibility Study, Airport Boundary Survey, Corporate Hangar Design-Build Package, US 41 Rail Crossing Signalization, 180-Acre Southwest Industrial Park Development, Vault Service Road, pavement remarking, etc.





Additional Information

PBS&J's team includes dedicated technical professionals who provide continuity from a successful past, and are passionate about moving forward with the next phase of development.

PBS&J has assembled an unparalleled team of qualified professionals with extensive aviation experience, a clear understanding of local issues, and specific knowledge of your facilities. Our team can hit the ground running with knowledge and experience to assist the Okaloosa County Airports System with continued development of its airports in the pursuit to become the premier aviation center in northwest Florida.

This section of the proposal will specifically and directly address each of the items listed as selection criteria in your request for proposals (RFP). Many of these items are covered in depth in other sections and will merely be summarized, while others will be further developed here. We hope this will provide the "executive summary" that demonstrates why the PBS&J team is best suited to serve Okaloosa County as the Architectural, Engineering, Aviation Planning, and Construction Services consultant to the Okaloosa County Airports System.

a. Understanding of Work

Serving as the general aviation consultant for the Okaloosa County Airports System since 1996 has given PBS&J a clear understanding of the work involved with this assignment. Okaloosa County needs a multidisciplinary firm capable of providing planning, design, and construction services for the various types of developmental projects that can occur on an airport. We understand that airports are unique organizations with specialized demands. We have relationships with the Federal Aviation Authority (FAA), Florida Department of Transportation (FDOT), Florida Department of Environmental Protection (FDEP), and other agencies that can impact your airports and we can leverage those relationships to your benefit.

Beyond that, the County needs an extension of Airport staff to assist with the full gamut of development projects. In the past several years, PBS&J and Okaloosa County Airports have partnered on many successful projects. Each of these projects required a thorough step-by-step process including planning, conceptual development, funding applications, contract negotiations, design, permitting, reviews, bidding, construction administration and inspection, and closeout. PBS&J provides proven experience with each step in the process as well as the knowledge to make it happen again.

Above all, it is important to have open and honest communication regarding all project work. PBS&J will provide this through weekly status reports, regular project meetings, project presentations, meetings with county purchasing staff, project control plans, and project scheduling.

We have assembled a team with the requisite technical expertise, knowledge of your facilities, and understanding of the scope of your capital improvement program (CIP) to efficiently assist the County in development of all proposed projects.

b. Firm's Reputation and Competence

PBS&J is an employee-owned, multidisciplinary, national consulting firm with nearly 4,000 employees in 80 offices worldwide. In 2007, *Engineering News-Record* rated PBS&J as the 25th largest engineering firm and 8th largest aviation services firm in the United States. Our board of directors established the PBS&J University to develop and offer employees technical and management training. Our national





aviation services group includes 110 people nationwide who specialize in airport-related planning, engineering, and construction. We have performed projects for airports throughout the United States and the Caribbean, including 34 of the top 50 airports in the nation. As a testament to our quality work, our firm has a repeat business rate of nearly 90 percent. We have a proven track record of delivering quality work, on time, and under budget.

Each of the topics that follow is discussed in further detail throughout the proposal.

c. Current Workload

The PBS&J team is currently working at nearly 70-percent capacity with many of our assignments consisting of ongoing projects at Okaloosa County Airports. Our forecasted workload fits well with the start-up of Okaloosa County's anticipated airport development under this contract. Therefore, we are well prepared and equipped to accommodate the workload associated with these projects. A workload graph in Section 5 (Project Management Organization) of this proposal further illustrates our availability.

d. Financial Responsibility

PBS&J is a financially sound, privately held, employee-owned company. This means that our business is not driven by short-term profits or outside stockholder demands; we can focus on the business of serving our clients. Since our employees are invested in the company, they take personal pride in making the company succeed, which directly translates into quality performance for our clients.

PBS&J also provides a proven track record of financial responsibility with project costs. When developing a scope of work for a new project, we commit to having a clear understanding of the client's available budget and assisting with creating a project that reflects the budget. We monitor the budget throughout the design process by providing updated cost estimates with each milestone deliverable. During construction, we keep accurate records of construction costs in order to keep the client aware of any potential savings or overruns.

In 2006, PBS&J partnered with Okaloosa Regional Airport to develop the South Apron Expansion project. PBS&J's concept construction estimate was \$3.2 million. The winning bid on the project was \$2.9 million, and the final cost closeout was \$2.8 million after deductive change orders and liquidated damages were assessed. PBS&J also coordinated with FAA to obtain County discretionary funds that paid for 95 percent of the construction and professional services costs.



In 2007, Okaloosa County and PBS&J advertised for bids on Phase 1 of the Bob Sikes Runway 17-35 Rehabilitation project. Based on project estimates and available funding, the scope of the project included rehabilitation of one-third of the runway, anticipating that two additional phases would be necessary. Fortunately, the bids were taken at a time when contractors were looking for work and asphalt prices were falling. When the bids came in substantially lower than expected, PBS&J worked with the contractor, Airport, and tenants to adjust the scope of the project and take advantage of available funding. A change order expanded the project work to include

one-half of the runway. It is now possible that the County could have a brand new runway in two years rather than the originally planned three years.

e. Ability to Observe Construction



The PBS&J team includes Rupert Johnson, who is a resident of Crestview and works from our field office at the Okaloosa Regional Airport. Mr. Johnson has been observing and managing airport-related construction projects in Okaloosa County for the past seven years and nationally for more than 20 years. He is fully versed in the funding and contractual requirements of Okaloosa County, FDOT, and FAA. Mr. Johnson's positive relationships with Airport staff, County purchasing staff, FDOT's office in Chipley, and the FAA office in Orlando are a valuable asset during construction.

During construction, Mr. Johnson will be supported by the entire PBS&J team of professionals including our construction services group. For more than 40 years, our construction services group has provided construction inspection, construction engineering, resident project representative, and quality assurance testing services throughout the state of Florida. Within the past several years, PBS&J has provided these services on projects such as the Runway 17-35 Rehabilitation, Adora Teal Way Extension, and West Area Hangar Expansion at Bob Sikes Airport, as well as the South Apron Expansion at Okaloosa Regional Airport. We have also provided these services at other airports throughout the state including Peter Prince Airport, Winter Haven Municipal Airport, Sebring Regional Airport, Hernando County Airport, and more.

f. Past Record of Accomplishments

In addition to our achievements at Okaloosa County Airports, PBS&J is recognized as a leader in the aviation engineering profession. Our successful track record includes major airfield design projects at 34 of the top 50 airports in the United States, and more than 204 million passengers safely arrive or depart each year from runways constructed from our designs.



Our firm has been responsible for such major accomplishments as the 5th Runway Program at Hartsfield-Jackson International Airport in Atlanta, New Runway 8L-26R at George Bush Intercontinental Airport in Houston, Master Development Program for the Panama City-Bay County International Airport, Runway 10-28 Rehabilitation at Luis Muñoz Marín International Airport in San Juan, St. George Replacement Airport Program in St. George, Utah, and many others.

This strong resume of firm-wide accomplishments speaks of the vast experience our aviation services group brings to the table as a resource for your assignments under this contract.



g. Previous Okaloosa County Airports Experience

PBS&J was first selected by Okaloosa County as a general consultant for the Okaloosa County Airports System in 1996. At that time, the 38,000-square-foot Okaloosa County air terminal was no longer sufficient to support the aviation demands of the

region. PBS&J's first assignment was a comprehensive airport master plan to change the face of the airport and prepare it for the 21st century. Through a series of successful PBS&J projects, the facility was transformed into the Okaloosa Regional Airport of today. The original terminal was demolished and a state-of-the-art, 110,000-square-foot terminal designed by Gresham, Smith, and Partners (GS&P) was constructed. The parking lots and apron were also expanded and a second taxiway was added.

Okaloosa County is unique in the fact that it owns and operates three very distinct airports. Along with Okaloosa Regional, PBS&J has worked on projects at Bob Sikes Airport in Crestview and Destin-Ft. Walton Beach Airport in Destin. In 1998, we completed a master plan for each of these facilities that set in motion CIPs still being used today.

As a testament to the successful partnership that was forged, PBS&J was reselected as the Airports' consultant in 2003. The five years since have continued to be productive at all three airports and have included projects as diverse as airfield lighting, perimeter fencing, taxiway construction, hangar construction, an aircraft rescue and firefighting facility (ARFF) station, roadway construction, pavement rehabilitation, apron expansion, a cargo building, and terminal additions.

Specific project experience is summarized in Section 4 (Specific Accomplishments) of this proposal.

h. Familiarity with Project Areas/ Understanding of Program

While PBS&J has had a successful past working with the Okaloosa County Airports System, we know that Okaloosa County is more concerned about the services it's airport consultant can provide in the future. Through the history of our partnership, we have gained valuable experience with the policies, procedures, plans, and visions related to each of the three Okaloosa County airports. It is that knowledge that will benefit Okaloosa County as we begin **"Building a Prosperous Future Upon a Solid Foundation."** See graphic on the following page.

Okaloosa Regional Airport

In 2006, nearly 700,000 passengers travelled through the Okaloosa Regional Airport. The number is forecasted to pass 1.2 million in the next 20 years. This kind of growth will require expansion of nearly every facet of the Airport in order to continue providing the level of service customary in Okaloosa County. PBS&J is currently working on an update to the airport master plan that will establish the CIP to meet the growing demand and establish the projects for this contract.



PBS&J and GS&P are currently designing additions to the airport terminal including three new passenger gates, ticketing, baggage screening, baggage handling, and related site improvements. These additions will meet the terminal requirements for the forecast period. A large portion of the new consultant contract will include the bidding and construction of these additions. Funding will play a key factor in how the building is constructed. PBS&J has been assisting the County with its application for Military Airport Program (MAP) funding. MAP funding was successfully used and administered by PBS&J during the construction of the existing terminal. However, the restrictions of MAP funding may require that the additions be constructed in phases. It will be important that your consultant be familiar with the additions', designs, existing facility, and possible funding sources. PBS&J's proposed project team offers incomparable experience in all three areas.



and

PBSJ®

***Building a
Prosperous
Future
Upon a Solid
Foundation***

We understand the County's desire to complete the construction of the terminal additions as quickly as possible. The airline business is very competitive and both of the County's two main competitor airports have expansion programs under way. In this day and age, time is money. The ability to open the terminal additions quickly will allow the County to attract new airlines to the Airport. With our knowledge of the facility and involvement in the designs, we can hit the ground running and keep the program moving forward.

Another component of the Okaloosa Regional Airport's future is potential cargo operations. The new cargo/maintenance facility currently under construction was designed by PBS&J. This building will allow the County to market potential cargo operators and bring additional revenue to the Airport and region. Anticipating the potential for this facility, PBS&J recently worked with the Airport to justify a new cargo/remote overnight aircraft apron to be constructed adjacent to the building. This apron will serve to park aircraft for cargo operations, and can also be used for aircraft maintenance, overflow parking, and overnight storage, and will play a key component in the phasing of the terminal addition's construction. The County recently received news that this project will be accepted for MAP funding, therefore opening the door to possible funding for the terminal additions. PBS&J is working on an expedited design for bidding, but construction services are anticipated to be included in the future contract.

Once the additions to the terminal are completed and cargo operations begin, additional improvements to the landside facilities will be required. The Airport will need to consider additional parking, modifications to the entrance road, maintenance of existing pavements, improved guidance signage, and more. The County is fortunate to have joint use facility with Eglin Air Force Base (AFB), which maintains the majority of the airfield pavements. This will allow the County to apply the majority of its state and federal grants over the next several years to the terminal and landside projects.

The PBS&J team provides the experience with past projects and the technical expertise to make all of these plans a reality.

Bob Sikes Airport

Located in Crestview, the Bob Sikes Airport serves a unique mix of industrial and general aviation tenants. With its 8,000-foot-long by 150-foot-wide runway, the airport is capable of serving aircraft larger than some commercial service airports in the state of Florida. This summer construction of Phase 2 of the runway rehabilitation project designed by PBS&J will provide the Airport with an essentially brand new runway, complete with an instrument approach.

The master plan for Bob Sikes Airport includes aggressive marketing to support potential growth for industrial tenants. L3 Communications, one of the largest employers in the County, is based at the Airport but is only using a relatively small portion of the field for its operations. There is ample room on the airfield for the construction of additional hangar and apron space that can attract additional industrial contractors and bring revenue to the County. The Bob Sikes Industrial Park is also located adjacent to the Airport and can provide additional incentive to tenants by offering support office space near the Airport.



The master plan includes growth of general aviation activities as well. The recently completed West Area Hangar Expansion project provides the infrastructure needed for additional corporate or private hangars at the Airport. The layout plan also includes future development of additional hangar space for general aviation tenants.

Along with these items, the Bob Sikes Airport CIP includes rehabilitation to a large amount of airfield pavement. Runway rehabilitation will be complete by

the end of the year. The parallel taxiway and connector taxiways are aging and will soon need repair. They also need to be widened in order to meet the FAA criteria for the type of aircraft planned at the Airport in the future.

Throughout the years, the PBS&J team has been involved with many facets of the Bob Sikes Airport, including pavement rehabilitations, airfield electrical upgrades, hangar construction, industrial park development, and more. There is an exciting future in store for the Bob Sikes Airport and our team provides the knowledge and experience to make it happen.

Destin-Ft. Walton Beach Airport

The Destin-Ft. Walton Beach Airport serves recreational general aviation needs in the Destin region. This Airport is surrounded by residential and commercial development that will restrict any expansion plans. One fixed-base operator (FBO) terminal was recently opened and another is under construction. These two operations will be able to provide the level of service necessary for the forecasted number of aircraft operations. Therefore, the current County goal for this facility is to maintain status quo with the exception of the possible construction of an air traffic control tower (ATCT).



This Airport is directly under the approach of the main runway at Eglin AFB, creating several airspace conflicts. PBS&J has worked with the County to provide information needed for justification of a new ATCT that could monitor potential issues. The latest word from the FAA is promising, so the tower may soon become a reality. PBS&J has ample experience

with tower projects, most recently at the Albert Whitted Airport in St. Petersburg, Florida.

Otherwise, the CIP for this Airport mainly consists of pavement-related maintenance. The runway pavement is aging and will need rehabilitation soon. The parallel taxiway could potentially need relocation. The PBS&J team has a wide range of experience in airfield pavement maintenance that could help address these issues.

i. Qualifications of Personnel

PBS&J has assembled a strong team of hard-working, dedicated professionals who are passionate about turning the Okaloosa County Airports CIPs into reality. Our team is led by our proposed project manager, Thomas Roda, PE, who serves as a group manager in our national aviation services group. He has served as the project manager on several past assignments for the Okaloosa County Airports System and provides the expertise needed to lead our proposed project team.



Mr. Roda will be joined by an outstanding project team featuring quality experience on similar assignments and a working knowledge of the three Okaloosa County Airports. This team offers continuity, consistency, and the ability to meet the needs of the Okaloosa County Airports System. The team comprises of long-term PBS&J employees and subconsultants who have built solid relationships working together on many similar projects.

A key part of our team is the architectural and building-related engineering services that will be provided by GS&P. For 40 years, GS&P has been providing architectural services to airports throughout the country, including design of the terminal at Okaloosa Regional Airport and the concept for the FBO terminal at the Destin-Ft. Walton Beach Airport.

Our team and their qualifications are discussed in more detail in Section 5 (Project Management Organization) of this proposal.

j. Experience With Similar Programs

In addition to serving as the general consultant to the Okaloosa County Airports System for the past 12 years, PBS&J has a solid history of serving as the general consultant for Peter Prince Airport, Winter Haven Municipal Airport, Hernando County Airport, Orlando-Sanford International Airport, Sebring Regional Airport, Albert Whitted Airport (shown below), and St. Lucie County International Airport. Each of these programs provides assignments that require expertise similar to this contract. All of this experience has enabled our staff to gain valuable relationships with personnel at FAA, FDOT, FDEP, and other groups that can have an impact on your Airports.



Our experience is further elaborated in Sections 4 (Specific Accomplishments) and 6 (References) of this proposal.

k. Capability to Meet Schedules

The PBS&J team takes great pride in meeting our project schedules. When developing a concept for a new project, PBS&J's proposed project manager will sit with Airport staff to discuss what needs to be accomplished, how much time is available, and what the cost implications will be. PBS&J will develop a project control plan for each project, including the goals and objectives, along with a detailed project schedule and the roles and responsibilities of each of the team members. We will perform peer reviews throughout the project to ensure that the goals and objectives are met and the schedule is followed. We will also stay in constant communications with Airport staff to ensure objectives are being met.

In January 2006, Okaloosa County Airports had federal funding available, but did not have a clear idea of what the next development project should be.



After a review of the master plan, PBS&J worked with the Airport to develop a scope for the South Apron Expansion project, provided justification to FAA, secured funding, and designed and bid the project within just five months.

Because of the success of the project, when the Airport was faced with similar good fortune the following year, the County came to PBS&J again. PBS&J rose to the challenge and created the New Cargo/Maintenance Facility project, provided justification, secured funding, and designed and bid the project within five months. By following our proven method of quality project management, PBS&J was able to provide the County with a new \$3 million cargo facility that otherwise would not exist.

l. Willingness to Meet Time/Budget Requirements

As mentioned earlier, in today's fast-paced society, time is money. Nowhere is that more true than in a development program that is contingent upon grant funding. PBS&J has a proven track record of meeting both time and budget requirements for the Okaloosa County Airports System. On each of our projects, we develop the scope of work to follow anticipated schedule and budget requirements. We provide a cost estimate at each project milestone to ensure that the project will not go over budget, and to help identify any potential issues as soon as possible.

Recently, the Airport received good news that they were accepted into MAP, making them eligible for additional federal funding that could potentially allow the construction of the Terminal Additions project. The condition was that the project needed to be constructed this year. PBS&J worked with Airport staff to develop the concept of a remote overnight (RON)

aircraft apron that could be used to park aircraft during construction of the terminal additions. PBS&J is providing bid documents at an expedited schedule to fit within the Airport's budget for the project.

PBS&J has the proven ability to adjust in mid-stream of a project to adapt to changing time and budget requirements. When the preliminary design estimate was over budget for the South Apron Expansion project at Okaloosa Regional Airport, PBS&J provided a bid alternate design for two types of pavement sections. For the Runway 17-35 Rehabilitation Phase 2 project at Bob Sikes Airport, PBS&J provided bid documents a full month ahead of schedule when the FAA announced it was changing the deadline for grant applications. In both of these cases, the projects would have been in jeopardy without PBS&J's responsive action regarding time and budget.

m. Expertise with Design Software

The PBS&J team has considerable expertise with computer-assisted design and drafting (CADD) applications including MicroStation V8, AutoCAD 2007, Civil 3D, Land Desktop, ArcInfo (GIS), and Geopak Roadway Design as well as sophisticated networking and plotting products to support these major CADD packages. Additionally, our drainage design professionals have expert knowledge of design software such as AdICPR, Ponds, WSPRO, and HEC-RAS. We also offer project teamsites that can be used for sharing and transferring large amounts of project-specific data.



n. Geographic Location of Team

PBS&J's Tampa office will serve as the primary management and production office for this assignment. Our proposed on-site representative, Rupert Johnson, is located in our field office at Okaloosa Regional Airport. This convenient location will facilitate frequent face-to-face meetings with County staff, regular oversight of project activities through frequent site visits, and immediate response for situations that may require rapid reaction times. PBS&J's Pensacola (shown below), Orlando, Tallahassee, Panama City, and Raleigh offices are also represented on the project team. Personnel in these offices will assist with project production and communications as needed throughout the project. These offices provide nearly 1,000 full-time employees with a wide range of experience to serve Okaloosa County.



o. Women and Minority Participation

Although not a state-certified minority business enterprise (MBE), PBS&J has a corporate philosophy that promotes fair and equitable consideration and utilization of MBE subcontractors, suppliers, or vendors in support of all company programs. PBS&J's MBE program is an integral part of our corporate operations and provides a vital link between PBS&J and the minority business community. We make every effort to meet or exceed established MBE/disadvantaged business enterprise (DBE) usage goals on each project we undertake. In keeping with PBS&J's policy regarding the use of MBE/DBE firms on our projects, we are pleased to include on our team CAD Concepts, Inc. (CCI) to provide CADD support, and Cal-Tech Testing, Inc., to provide geotechnical services. Their MBE/DBE certifications are included in Section 5 (Project Management Organization).



Standard Form 254

PBS&J offers Okaloosa County a strong national reputation, broad-based technical expertise, and an ongoing commitment to client service.

STANDARD FORM (SF)		1. Firm Name/Business Address: PBS&J 2401 Executive Plaza, Suite 2 Pensacola, Florida 32504-8275		2. Year Present Firm Established: 1970		3. Date Prepared: May 1, 2008	
254				4. Specify type of ownership & check below, if applicable. Corporation			
Architect-Engineer and Related Services Questionnaire		1a. Submittal is for [] Parent Company [X] Branch or Subsidiary Office		A. Small Business			
				B. Small Disadvantaged Business			
				C. Woman-Owned Business			
5. Name of Parent Company, if any: The PBSJ Corporation 5300 W. Cypress Street, Suite 200 Tampa, Florida 33607-1784		5a. Former Parent Company Name(s), if any, and Year(s) Established: Robert P. Schuh & Associates, Inc., 1960 Post & Schuh, Inc., 1961 Post, Buckley, Mooney & Schuh, Inc., 1961					
6. Names of not more than Two Principals to Contact: Title/Telephone				2) Jeffrey Helms, PE, Vice President/Division Manager/850.478.9844			
7. Present Offices: City / State / Telephone / No. Personnel Each Office				7a. Total Personnel 3,944			
Alexandria, VA / 703.535.3008 24 Gulfport, MS / 228.863.7275 17 Naples, FL / 239.594.7275 12 Sacramento, CA / 916.325.4800 61							
Atlanta, GA / 770.933.0280 338 Hattiesburg, MS / 601.584.1050 6 Nashville, TN / 615.399.0298 25 San Antonio, TX / 210.828.9494 27							
Austin, TX / 512.327.6840 287 Helena, MT / 406.495.1377 7 New York, NY / 212.675.4302 4 San Diego, CA / 858.874.1810 47							
Bartow, FL / 863.533.7000 51 Henderson, NV / 702.263.7275 177 Newport News, VA / 757.596.8267 14 San Francisco, CA / 415.362.1500 34							
Baton Rouge, LA / 225.439.5248 7 Houston, TX / 281.493.5100 141 Norman, OK / 405.321.2480 1 San Juan, PR / 787.294.2010 12							
Beltsville, MD / 301.210.6800 86 Houston Lab, TX / 713.977.1500 12 Omaha, NE / 402.502.3222 4 Sarasota, FL / 941.954.4036 23							
Bozeman, MT / 406.587.7275 15 Jackson, MS / 601.936.7228 10 Orange, CA / 714.750.7275 67 Southaven, MS / 662.342.8244 8							
Canonsburg, PA / 724.514.9000 49 Jacksonville, FL / 904.363.6100 65 Orlando, FL / 407.647.7275 493 Tallahassee, FL / 850.575.1800 176							
Chantilly, VA / 703.471.7275 26 Lake City, FL / 386.961.9619 7 Panama City Beach, FL / 850.236.8675 33 Tampa, FL / 813.282.7275 349							
Charlotte, NC / 704.522.7275 64 Lenoir, NC / 828.757.6607 24 Pensacola, FL / 850.478.9844 19 Tyler, TX / 903.509.1552 24							
Chopley, FL / 850.638.2288 28 Little Rock, AR / 501.455.9909 3 Pflugerville, TX / 512.225.1300 39 Vero Beach, FL / 772.778.3035 8							
Cincinnati, OH / 859.371.9051 10 Los Angeles, CA / 310.268.8132 27 Phoenix, AZ / 602.943.1003 60 Vestavia Hills, AL / 205.969.3776 25							
Colorado Springs, CO / 719.227.7275 15 Madison, WI / 608.204.5950 1 Pittsburgh, PA / 412.269.7275 22 West Palm Beach, FL / 561.689.7275 19							
Columbia, SC / 803.806.8080 4 Marietta, GA / 770.442.1902 48 Portland, OR / 503.222.7275 2 Whitefish, MT / 406.863.7275 6							
Dallas, TX / 972.818.7275 97 Melbourne, FL / 321.242.4942 23 Raleigh, NC / 919.876.6888 64 Woodlands, TX / 281.363.0604 6							
Denver, CO / 303.221.7275 119 Metairie, LA / 504.841.2226 13 Reno, NV / 775.828.1622 40							
Encinitas, CA / 760.753.1120 58 Miami, FL / 305.592.7275 291 Richmond, VA / 804.560.7600 4							
Fort Lauderdale, FL / 954.733.7233 25 Missoula, MT / 406.721.0354 31 Riverside, CA / 951.358.1433 12							
8. Personnel by Discipline: (list each person only once, by primary function.)							
699 Administrative 28 Contract Document Coordinator 14 Geologist 45 Landscape Architect 2 Security Specialist 2							
32 Airfield Engineer 9 Contracts Administrator 73 GIS Specialist 6 Legal Counsel 40 Structural Engineer 40							
48 Archeologist 44 Cost Engineer/Estimator 31 Graphics/Printing 3 Materials Handling Engineer 12 Technical Writer 12							
66 Architect 9 Ecologist 2 Hazard Mitigation Specialist 8 Mechanical Engineer 46 Technician/Analyst 46							
16 Biologist 1 Economist 13 Human Resource Specialist 7 Planner: Aviation 302 Technician/Designer 302							
152 CADD Technician 5 Electrical Engineer 4 Hydraulic Engineer 40 Planner: Urban/Regional 10 Toxicologist 10							
245 Civil Engineer 13 Emergency Management Spec 12 Hydrologist 10 Public Involvement Specialist 454 Transportation Engineer 454							
20 Coastal Engineer/Scientist 160 Environmental Engineer 3 Interior Designer 68 Right-of-Way Agent 83 Transportation Planner 83							
35 Computer Programmer 55 Environmental Planner 44 IS Developer 26 Risk Assessor 3 Value Engineer 3							
229 Construction Inspector 205 Environmental Scientists 57 ITS Specialists 22 Sanitary Engineer 23 Water Resources Engineer 23							
198 Construction Manager 20 Finance Specialist 159 Land Surveyor 27 Scheduler 5 Web Specialist 5							
9. Summary of Professional Services Fees Received: (Insert index number)				Ranges of Professional Services Fees			
				INDEX			
				1. Less than \$100,000 5. \$1 million to \$2 million			
				2. \$100,000 to \$250,000 6. \$2 million to \$5 million			
				3. \$250,000 to \$500,000 7. \$5 million to \$10 million			
				4. \$500,000 to \$1 million 8. \$10 million or greater			
Direct Federal contract work, including overseas 8 8 8 8 2							
All other domestic work 8 8 8 8 2							
All other foreign work* 4 4 2 2 2							
* Firms interested in foreign work, but without such experience, check here: []							

PBS&J Profile Codes (10/17/07)

001	A01	Acoustics; Noise Abatement	051	H12	Hydraulics & Pneumatics	104	S13	Stormwater Handling & Facilities	322	Grants; Grant Writing
002	A02	Aerial Photography; Airborne Data & Imagery Collection & Analysis	052	I01	Industrial Buildings; Manufacturing Plants	105	T01	Telephone Systems (Rural; Mobile; Intercom; etc.)	324	Plan Check/Development Review
003	A03	Agricultural Development; Grain Storage; Farm Mechanization	053	I02	Industrial Processes; Quality Control	106	T02	Testing & Inspection Services	325	Assessment District Analysis
004	A04	Air Pollution Control	054	I03	Industrial Waste Treatment	107	T03	Traffic & Transportation Engineering	326	Web Site Development
005	A05	Airports; NAVAIDs; Airport Lighting; Aircraft Fueling	055	I05	Interior Design; Space Planning	108	T05	Towers (Self-supporting & Guyed Systems)	327	Hydraulic Modeling
006	A06	Airports; Terminals; & Hangars; Freight Handling	056	I06	Irrigation; Drainage	109	T06	Tunnels & Subways	328	Hydrogeology
007	A07	Arctic Facilities	057	J01	Judicial and Courtroom Facilities	110	U02	Urban Renewals; Community Development	329	Aquifer Storage Recovery (ASR)
008	A11	Auditoriums & Theatres	058	L01	Laboratories; Medical Research Facilities	111	U03	Utilities (Gas and Steam)	330	Management Solutions
009	A12	Automation; Controls; Instrumentation	059	L03	Landscape Architecture	112	U01	Value Analysis; Life-Cycle Costing	331	Geotechnical Engineering
010	B01	Barracks; Dormitories	060	L04	Libraries; Museums; Galleries	113	W01	Warehouses & Depots	A08	Animal Facilities
011	B02	Bridges	061	L05	Lighting (Interior; Displays; Theatres; etc.)	114	W02	Water Resources; Hydrology; Groundwater	A09	Anti-Terrorism/Force Protection
012	C02	Cemeteries (Planning & Relocation)	062	L06	Lighting (Exteriors; Street; Memorials; Athletic Fields)	115	W03	Water Supply; Treatment and Distribution	A10	Asbestos Abatement
013	C04	Chemical Processing & Storage	063	M02	Materials Handling Systems; Conveyors; Sorters	116	W04	Wind Tunnels; Research/Testing Facilities Design	C01	C01 Cartography
014	C06	Churches; Chapels	064	M03	Metallurgy	117	Z01	Zoning; Land Use Studies	C03	C03 Charting; Nautical and Aeronautical
015	C08	Codes; Standards; Ordinances	065	M04	Microclimatology; Tropical Engineering	201		Natural Resource Studies	C05	C05 Child Care/Development Facilities
016	C09	Cold Storage; Refrigeration; Fast Freeze	066	M05	Military Design Standards	202		Air Quality and Noise Studies	C07	C07 Coastal Engineering
017	C10	Commercial Building; (low rise); Shopping Centers	067	M06	Mining and Mineralogy	204		Pollution and Energy Permitting Services	C11	C11 Community Facilities
018	C12	Communications Systems; TV; Microwave	068	M07	Missile Facilities (Silos; Fuels; Transport)	209		Civic Buildings; Community Centers	C16	C16 Construction Surveying
019	C13	Computer Facilities; Computer Service	069	M08	Modular Systems Design; Pre-fab Structures or Components	213		Contract Administration/Claims Analysis	C19	C19 Cryogenic Facilities
020	C14	Conservation and Resource Management	070	N01	Naval Architecture; Off-Shore Platforms	218		Economic Impact & Feasibility Studies	D04	D04 Design-Build - Preparation of Requests for Proposals
021	C15	Construction Management	071	N03	Nuclear Facilities; Nuclear Shielding	235		Management; Program Management; General Engineering Consulting	D05	D05 Digital Elevation and Terrain Model Development
022	C17	Corrosion Control; Cathodic Protection; Electrolysis	072	O01	Office Building; Industrial Parks	236		Marine Biology	D06	D06 Digital Orthophotography
023	C18	Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	073	O02	Oceanographic Engineering	243		Municipal Engineering	D08	D08 Dredging Studies and Design
024	D01	Dams (Concrete; Arch)	074	O03	Ordinances; Munitions; Special Weapons	248		Prestressed Concrete	E03	E03 Electrical Studies and Design
025	D02	Dams (Earth; Rock); Dikes; Levees	075	P01	Petroleum Exploration; Refining	250		Public Involvement	E06	E06 Embassies and Chanceries
026	D03	Desalinization (Process & Facilities)	076	P02	Petroleum and Fuel (Storage and Distribution)	252		Socio-Economic Studies	E08	E08 Engineering Economics
027	D07	Dining Halls; Clubs; Restaurants	077	P04	Pipelines (Cross-country--Liquid & Gas)	255		Toxicology & Pesticide Analysis	E10	E10 Environmental and Natural Resource Mapping
028	E01	Ecological & Archeological Investigations	078	P05	Planning (Community; Regional; Area-wide & State)	256		Training	E11	E11 Environmental Planning
029	E02	Educational Facilities; Classrooms	079	P06	Planning (Site, Installation and Project)	257		Value Engineering	E12	E12 Environmental Remediation
030	E04	Electronics	080	P07	Plumbing & Pipe Design	258		Wells	E13	E13 Environmental Testing and Analysis
031	E05	Elevators; Escalators; People-Movers	081	P10	Pneumatic Structures; Air Support Buildings	259		Microbiological Analysis	F05	F05 Forensic Engineering
032	E07	Energy Conservation; New Energy Sources	082	P11	Postal Facilities	261		Handicapped Accessibility Design	G03	G03 Geodetic Surveying; Ground and Airborne
033	E09	Environmental Impact Studies; Assessments or Statements	083	P12	Power Generation; Transmission; Distribution	262		Aquatic Biology	G04	G04 Geographic Information System: Development, Analysis; and Data Collection
034	F01	Fallout Shelters; Blast-Resistant Design	084	P08	Prisons & Correctional Facilities	263		Inertial Survey System Operations	G05	G05 Geospatial Data Conversion; Scanning; Digitizing; Compilation, Attributing, Scribing, Drafting
035	F02	Field Houses; Gymnasiums; Stadiums	085	P09	Product, Machine & Equipment Design	264		Project & Public Security Planning/Design	H02	H02 Hazardous Materials Handling and Storage
036	F03	Fire Protection	086	R01	Radar; Sonar; Radio & Radar Telescopes	269		Design-Build	H03	H03 Hazardous, Toxic, RadioActive/Ind Waste Remediation
037	F04	Fisheries; Fish Ladders	087	R03	Railroad and Rapid Transit	273		Computer-Aided Design and Drafting (CADD)	H13	H13 Hydrographic Surveying
038	F06	Forestry & Forest Products	088	R04	Recreational Facilities (Parks; Marinas; etc.)	274		Underground Storage Tanks	I04	I04 Intelligent Transportation Systems (ITS)
039	G01	Garages; Vehicle Maintenance Facilities; Parking Decks	089	R06	Rehabilitation (Buildings; Structures; Facilities)	275		Indefinite Delivery Type Contract	L02	L02 Land Surveying
040	G02	Gas Systems (Propane, Natural, etc.)	090	R09	Resources Recovery; Recycling	278		Global Positioning Systems (GPS)	M01	M01 Mapping Location/Addressing Systems
041	G06	Graphic Design	091	R02	Radio Frequency Systems & Shieldings	300		Architecture	N02	N02 Navigation Structures; Locks
042	H01	Harbors; Jetties; Piers; Ship Terminal Facilities	092	R11	Rivers Canals; Waterways; Flood Control	305		Emergency Response	P03	P03 Photogrammetry
043	H04	Heating, Ventilating, Air Conditioning	093	S01	Safety Engineering; Accident Studies; OSHA Studies	306		Right-of-Way	P13	P13 Public Safety Facilities
044	H05	Health Systems Planning	094	S02	Security Systems; Intruder & Smoke Detection	307		Metric System	R05	R05 Refrigeration Plants/Systems
045	H06	Highrise; Air-Rights-Type Buildings	095	S03	Seismic Design & Studies	308		Bus/Transit Terminals	R07	R07 Remote Sensing
046	H07	Highways; Streets; Airfield Paving; Parking Lots	096	S04	Sewage Collection, Treatment & Disposal	309		Scheduling	R08	R08 Research Facilities
047	H08	Historical Preservation	097	S05	Soils & Geologic Studies; Foundations	310		Site/Civil Engineering	R10	R10 Risk Analysis
048	H09	Hospitals & Medical Facilities	098	S06	Solar Energy Utilization	311		Streetscape Planning	R12	R12 Roofing
049	H10	Hotels; Motels	099	S07	Solid Wastes; Incineration; Landfill	315		Flood Insurance Studies	S11	S11 Sustainable Design
050	H11	Housing (Residential, Multifamily, Apartments, Condominiums)	100	S08	Special Environments; Clean Rooms; Etc.	317		Transp. Planning/PD&E/Corridors	T04	T04 Topographic Surveying and Mapping
			101	S09	Structural Design; Special Structures	318		Expert Witness	U01	U01 Unexploded Ordnance Remediation
			102	S10	Surveying; Platting; Mapping; Flood Plain Studies	319		Resorts, Spas, Casinos		
			103	S12	Swimming Pools	320		Retail/Shopping Centers/Malls		
						321		Mixed-Use Developments		


10. Profile of Firm's project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 005	50	23,110	11) 036	30	300	21) 072	5	900
2) 006	25	11,390	12) 039	4	375	22) 079	700	21,000
3) 010	1	24	13) 042	20	2,000	23) 088	25	1,250
4) 011	40	15,000	14) 046	210	85,000	24) 096	100	60,000
5) 013	2	600	15) 047	6	190	25) 099	105	25,000
6) 019	6	1,080	16) 050	500	50,000	26) 102	500	10,000
7) 021	40	25,000	17) 054	25	8,000	27) 104	20	5,000
8) 023	600	800	18) 056	300	3,000	28) 107	400	12,000
9) 025	2	240	19) 059	500	2,500	29) 114	15	5,000
10) 033	40	9,000	20) 062	20	1,600	30) 115	40	15,000

11. Project Examples, Last 5 Years

Profile Code	"P," "C," "JV," or "IE"	Project Name and Location	Owner Name & Address	Cost Of Work (in thousands)	Completion Date (Actual or Estimated)
006 036 079	P	1 Bob Sikes Airport Aircraft Rescue Firefighting Facility and Taxiway/Taxilane Designs Crestview, FL	Okaloosa County Airports System 1701 SR 85 North Eglin AFB, FL 32542	\$3,000 (Fee)	2003
005 006	P	2 Crestview Hangar Okaloosa County, FL	Okaloosa County Airports System 1701 SR 85 North Eglin AFB, FL 32542	\$3,000 (Fee)	2004
005 006 015	P	3 Okaloosa Regional Airport Apron Expansion Okaloosa County, FL	Okaloosa County Airports System 1701 SR 85 North Eglin AFB, FL 32542	\$30,000 (Fee)	2003
002 005 006	P	4 Okaloosa Regional Airports Systems General Engineering Consultant Services (2003-2008) Okaloosa County, FL	Okaloosa County Airports System 1701 SR 85 North Eglin AFB, FL 32542	\$5,115 (Fee)	2008
005 006 033	P	5 Winter Haven Airport General Consultant Services (1994-2007) Winter Haven, FL	City of Winter Haven 451 Third Street, N.W. Winter Haven, FL 33881	\$989 (Fee)	2007
005 006 015	P	6 Winter Haven Municipal Airport Master Plan Update Winter Haven, FL	City of Winter Haven 451 Third Street, N.W. Winter Haven, FL 33881	\$129 (Fee)	2003
005 006 046	P	7 Sebring Regional Airport Disadvantaged Business Enterprise Program Sebring, FL	Sebring Airport Authority 128 Authority Lane Sebring, FL 33870	\$9 (Fee)	2004

005 006 033	P	8 Sebring Regional Airport General Engineering Consultant Services (1991-2004) Sebring, FL	Sebring Airport Authority 128 Authority Lane Sebring, FL 33870	\$758 (Fee)	2004
005 006 046	P	9 Sebring Regional Airport General Engineering Consultant Services (2002-2007) Sebring, FL	Sebring Airport Authority 128 Authority Lane Sebring, FL 33870	\$1,231 (Fee)	2007
005 006 023	P	10 Sebring Regional Airport Master Plan Update (2001-2003) Sebring, FL	Sebring Airport Authority 128 Authority Lane Sebring, FL 33870	\$198 (Fee)	2003
005 006 015	P	11 Peter Prince Airport General Aviation Services Milton, FL	Santa Rosa County 6051 Old Bagdad Highway Milton, FL 32583-8036	\$434 (Fee)	2004
002 005 006	P	12 Peter Prince Airport Master Plan Update Milton, FL	Santa Rosa County 6051 Old Bagdad Highway Milton, FL 32583-8036	\$106 (Fee)	2003
002 005 006	P	13 Orlando Sanford International Airport Disadvantaged Business Enterprise (DBE) Sanford, FL	Sanford Airport Authority Orlando Sanford International Airport 1200 Red Cleveland Boulevard Sanford, FL 32773-6844	\$219 (Fee)	2003
006 021 023	P	14 Orlando Sanford International Airport General Consulting Services (2000 - 2012) Sanford, FL	Sanford Airport Authority Orlando Sanford International Airport 1200 Red Cleveland Boulevard Sanford, FL 32773-6844	\$1,500 (Fee)	2012
002 005 006	P	15 Orlando Sanford International Airport Stormwater Management Plan Sanford, FL	Sanford Airport Authority Orlando Sanford International Airport 1200 Red Cleveland Boulevard Sanford, FL 32773-6844	\$108 (Fee)	2003
006	P	16 Panama City-Bay County International Airport Continuing Services Panama City, FL	Panama City-Bay County International Airport 3173 Airport Road, Box A Panama City, FL 32405	\$5,000 (Fee)	2009
005 006 235	P	17 Ocala International Airport General Consultant Services (1993-2003) Ocala, FL	Ocala International Airport 3400 SW 60th Avenue Ocala, FL 34478-1270	\$300 (Fee)	2003
005 006 039	P	18 Palm Beach International Airport General Engineering Consultant Services (2001-2007) West Palm Beach, FL	Palm Beach International Airport Building 846 West Palm Beach, FL 33406-1491	\$10,500 (Fee)	2007
002 005 006	P	19 Orlando Sanford International Airport Airfield Capacity Enhancement Environmental Assessment Sanford, FL	Sanford Airport Authority Orlando Sanford International Airport 1200 Red Cleveland Boulevard Sanford, FL 32773-6844	\$151 (Fee)	2003

005 006 059	P	20 St. Lucie County International Airport General Consultant Services (2003-2012) Fort Pierce, FL	St. Lucie County International Airport 3000 Curtis King Boulevard Fort Pierce, FL 34946	\$3,818 (Fee)	2012
006 104	P	21 St. Lucie County International Airport Master Drainage Plan Fort Pierce, FL	St. Lucie County International Airport 3000 Curtis King Boulevard Fort Pierce, FL 34946	\$194 (Fee)	2006
006 023	P	22 St. Lucie County International Airport New Runway Benefit-Cost Analysis Fort Pierce, FL	St. Lucie County International Airport 3000 Curtis King Boulevard Fort Pierce, FL 34946	\$165 (Fee)	2005
005 021 046	P	23 St. Lucie County International Airport Runway and Taxiway Design and Construction Services Fort Pierce, FL	St. Lucie County International Airport 3000 Curtis King Boulevard Fort Pierce, FL 34946	\$554 (Fee)	2006
005 006 023	P	24 St. Petersburg-Clearwater International Airport Master Plan Update (2001-2004) Clearwater, FL	St. Petersburg-Clearwater Int'l Airport 14700 Terminal Boulevard Administration Building, Suite 221 Clearwater, FL 33762-2942	\$310 (Fee)	2004
005 006 021	P	25 Clearwater Airport General Engineering Consulting Services Clearwater, FL	Clearwater Airport (CLW), Inc. 25 Causeway Boulevard Clearwater, FL 33767	\$15 (Fee)	2006
046 104	P	26 Orlando Executive Airport Airfield Stormwater Drainage Systems Design Orlando, FL	Greater Orlando Aviation Authority (GOAA) Orlando Executive Airport 501 Herndon Avenue, Suite G Orlando, FL 32803-5169	\$31 (Fee)	2004
005 006 046	P	27 Orlando Executive Airport Stormwater Drainage System Evaluation Orlando, FL	GOAA, Orlando Executive Airport 501 Herndon Avenue, Suite G Orlando, FL 32803-5169	\$131 (Fee)	2003
005 006 036	P	28 Tampa International Airport (TIA) Aircraft Rescue and Firefighting Facility (ARFF) Architectural and Engineering Services Tampa, FL	Hillsborough County Aviation Authority (HCAA) Tampa International Airport P.O. Box 22287 Tampa, FL 33622-2287	\$691 (Fee)	2006
005 006 033	P	29 Hernando County Airport Continuing Consulting Services Brooksville, FL	Hernando County 20 North Main Street, Room 460 Brooksville, FL 34601	\$302 (Fee)	2006
046 104 107	P	30 Hernando County Airport RailPark Phase II, Site and Utility Infrastructure Design Services Brooksville, FL	Hernando County 20 North Main Street, Room 460 Brooksville, FL 34601	\$1,400 (Fee)	2005
12. The foregoing is a statement of facts					Date:
Signature: 					May 1, 2008
Typed Name and Title: Jeffrey C. Helms, PE, Vice President/Division Manager					

STANDARD
FORM (SF)
254

Architect-Engineer
and Related Services
Questionnaire

1. Firm Name/Business Address:

Gresham, Smith and Partners
10 South 6th Street, Suite 100
Richmond, VA 23219-3843

2. Year Present Firm
Established

1967

3. Date Prepared:

04/24/2008

4. Specify type of ownership & check below, if
applicable.

Partnership

A. Small Business

B. Small Disadvantaged Business

C. Woman-Owned Business

1a. Submittal is for ☐ Parent Company ☒ Branch or Subsidiary Office

5. Name of Parent Company, if any:

Gresham, Smith and Partners
511 Union Street, Suite 1400
Nashville, TN 37219-1733

5a. Former Parent Company Name(s), if any, and Year(s) Established:

6. Names of not more than Two Principals to Contact: Title/Telephone

- 1) David L. King, AIA / Division Vice President of Aviation / 804.788.0710
2) Wilson P. Rayfield Jr., AIA / Principal / 804.788.0710

7. Present Offices: City/ State / Telephone / No. Personnel Each Office

Birmingham / AL / 205.298.9200 / 65	Knoxville / TN / 865.521.6777 / 7
Jacksonville / FL / 904.332.6699 / 48	Memphis / TN / 901.753.5590 / 13
Louisville / KY / 502.627.8900 / 32	Charlotte / NC / 704.752.1011 / 17
Ft. Lauderdale / FL / 954.981.9100 / 35	Tampa / FL / 813.251.6838 / 47
Cincinnati / OH / 513.563.7600 / 8	Gulfport / MS / 228.575.4367 / 2
Columbus / OH / 614.221.0678 / 20	Hartfield / GA / 404.209.2945 / 3
Jackson / TN / 731.613.2034 / 2	Nashville / TN / 615.770.8100 / 420
Mobile / AL / 251.625.8627 / 2	Dallas / TX / 214.350.1500 / 25
Grand Rapids / MI / 616.940.3703 / 2	Richmond / VA / 804.788.0710 / 27
East Point / GA / 678.954.6763 / 7	Atlanta / GA / 404.209.3175 / 66
Knoxville / TN / 865.522.0262 / 13	Jackson / MS / 601.366.1945 / 5

7a. Total Personnel:

866

8. Personnel by Discipline: (list each person only once, by primary function.)

132 Administrative	6 Environmental Scientist	15 Landscape Architect
234 Architect	3 Geologist	14 Mechanical Engineer
42 CADD Technician	13 Graphic Designers	8 Planner: Urban/Regional
62 Civil Engineer	5 Health Facility Planner	4 Plumbing Designer
15 Construction Administrator	4 Industrial Engineer	19 Structural Engineer
30 Construction Inspector	22 Information Technology	89 Transportation Engineer
14 Electrical Engineer	80 Interior Designer	
52 Environmental Engineer	3 Land Surveyor	

9. Summary of Professional Services Fees

Received: (Insert index number)

Last 5 Years (most recent year first)

2007	2006	2005	2004	2003
4	4	4	4	4
8	8	8	8	8
4	4	4	4	4

Direct Federal contract work, including overseas

All other domestic work

All other foreign work*

* Firms interested in foreign work, but without such experience, check here: ☐

Ranges of Professional Services Fees

INDEX


1. Less than \$100,000
2. \$100,000 to \$250,000
3. \$250,000 to \$500,000
4. \$500,000 to \$1 million
5. \$1 million to \$2 million
6. \$2 million to \$5 million
7. \$5 million to \$10 million
8. \$10 million or greater

10. Profile of Firm's project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 005	5	2,500	11)			21)		
2) 006	15	22,500	12)			22)		
3) 011	17	5,000	13)			23)		
4) 017	8	4,000	14)			24)		
5) 039	15	6,000	15)			25)		
6) 046	200	85,000	16)			26)		
7) 048	20	120,000	17)			27)		
8) 052	12	8,000	18)			28)		
9) 072	40	3,000	19)			29)		
10) 107	75	7,500	20)			30)		

11. Project Examples, Last 5 Years

Profile Code	"P," "C," "JV," or "IE"	Project Name and Location	Owner Name & Address	Cost Of Work (in thousands)	Completion Date (Actual or Estimated)
006	P	1 Okaloosa Regional Airport – Terminal Expansion and Renovation Eglin Air Force Base, FL	Okaloosa Regional Airport 1701 Highway 85N Eglin Air Force Base, FL 32542	11,523	2005
006 039	P	2 Pensacola Regional Airport - Parking Garage and Terminal Expansion Pensacola, FL	Pensacola Regional Airport 2430 Airport Blvd Pensacola, FL 32504	30,000	Ongoing
006	P	3 Northwest Arkansas Regional Airport - Concourse Addition Bentonville, AR	Northwest Arkansas Regional Airport One Airport Boulevard Suite 100 Alice L. Walton Terminal Building Bentonville, AR 72712	28,127	Ongoing
006	P	4 Blue Grass Airport - Terminal/Façade Renovation Lexington, KY	Blue Grass Airport 4000 Terminal Drive Lexington, KY 40510-9607	14,997	2007
006	P	5 Reno Tahoe Int'l Airport Terminal - Reconfiguration/In-Line System-Preliminary Services Reno, NV	Reno-Tahoe Airport Authority P.O. Box 12490 Reno, NV 89510-2490	60,000	2009
006	P	6 Dallas Love Field - DAL TARPS Planning Dallas, TX	City of Dallas Aviation Department 8008 Cedar Springs Road, LB 16 Dallas, Texas 75235	50	2008
039	P	7 Dallas-Fort Worth International Airport - Terminal D Parking Garage DFW Airport, TX	Dallas/Ft. Worth International Airport 3200 East Airfield Drive DFW Airport, TX 75261-9428	123,000	2004

006	P	8	Nashville International Airport – Hangar/Baggage Expansion	Metropolitan Nashville Airport Authority One Terminal Drive Suite 501 Nashville, TN 37214-4414	2,500	2005
006	P	9	Fort Lauderdale-Hollywood International Airport - Terminal 1 Concourse A Ft. Lauderdale, FL	Broward County Department of Aviation 3550 SW 2nd Avenue Ft. Lauderdale, FL 33315	105,000	2009
006	P	10	Myrtle Beach International Airport - New Terminal Complex Myrtle Beach, SC	Horry County Department of Airports 1100 Jetport Road Myrtle Beach, SC 29577	228,000	2008
006	P	11	Gulfport-Biloxi International Airport - Air Cargo Facility Gulfport, MS	Gulfport-Biloxi International Airport 14035 - L Airport Road Gulfport, MS 39503	82	2008
006	P	12	Gulfport-Biloxi International Airport - Terminal Expansion and Renovation Gulfport, MS	Gulfport-Biloxi International Airport 14035 - L Airport Road Gulfport, MS 39503	50,000	2008 (Delayed by Hurricane Katrina)
039 006	P	13	Tampa International Airport - Remote Public Parking Garage, Phase 1 Tampa, FL	Hillsborough County Aviation Authority P.O. Box 22287 Tampa, FL 33622-2287	76,955	2006
039 006	P	14	Tampa International Airport - Remote Public Parking Garage, Phase 2 Tampa, FL	Hillsborough County Aviation Authority P.O. Box 22287 Tampa, FL 33622-2287	69,600	2009
006	P	15	Richmond International Airport - Terminal Expansion, Phase III Richmond, VA	Capital Region Airport Commission 1 Richard E Byrd Terminal Drive Richmond, VA 23250-2401	50,300	2007
12. The foregoing is a statement of facts					Date:	04/24/2008
Signature: 					Typed Name and Title: David L. King, AIA / DVP - Aviation	

STANDARD FORM (SF)

254

Architect-Engineer
And Related Services
Questionnaire

1. Firm Name/Business Address:

CAD Concepts, Inc.
4651 Salisbury Road, Suite 195
Jacksonville, FL 32256

2. Year Present Firm
Established - 1984

3. Date Prepared:
04/23/2008

4. Specify type of ownership and check below, if
applicable.

A. Small Business

B. Small Disadvantaged Business - X

C. Woman-owned Business - X

1a. Submittal is for ☐ Parent Company ☒ Branch or Subsidiary Office

5. Name of Parent Company, if any:

None

5a. Former Parent Company Name(s), if any, and Year(s) Established:

None

6. Names of not more than Two Principals to Contact: Title/Telephone

1) Joyce Johnson, President, 904.281.9511
2)

7. Present Offices: City / State / Telephone / No. Personnel Each Office

7a. Total Personnel 21

Jacksonville / Florida / 904.281.9511 / 1
Columbus / Ohio / 614.485.0670 / 18
Cleveland / Ohio / 216.621.2189 / 2

8. Personnel by Discipline: (List each person only once, by primary function.)

1_ Administrative	Electrical Engineers	Oceanographers	3_ Project Managers
Architects	Estimators	Planners: Urban/Regional	1_ Executive Officer
Chemical Engineers	Geologists	Sanitary Engineers	1_ Accounting Manager
Civil Engineers	Hydrologists	Soils Engineers	
Construction Inspectors	Interior Designers	Specification Writers	
15_ Draftsmen	Landscape Architects	Structural Engineers	
Ecologists	Mechanical Engineers	Surveyors	
Economists	Mining Engineers	Transportation Engineers	

9. Summary of Professional Services Fees

Received: (Insert index number)

Last 5 Years (most recent year first)

Direct Federal contract work, including overseas
All other domestic work
All other foreign work *

2007	2006	2005	2004	2003
0	0	0	0	0
5	5	4	4	5
0	0	0	0	0

Ranges of Professional Services Fees
INDEX

1. Less than \$100,000
2. \$100,000 to \$250,000
3. \$250,000 to \$500,000
4. \$500,000 to \$1 million
5. \$1 million to \$2 million
6. \$2 million to \$5 million
7. \$5 million to \$10 million
8. \$10 million or greater

*Firms interested in foreign work, but without such experience, check here: ☐

10. Profile of Firm's Project Experience, Last 5 Years

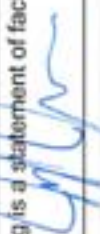
Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 041	150	\$5,000,000	11)			21)		
2)			12)			22)		
3)			13)			23)		
4)			14)			24)		
5)			15)			25)		
6)			16)			26)		
7)			17)			27)		
8)			18)			28)		
9)			19)			29)		
10)			20)			30)		

11. Project Examples, Last 5 Years

Profile Code	"P," "C," "JV," or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)
041	C	1. Five Phase Geographic Information System Implementation Project – Columbus, Ohio	Columbus Regional Airport Authority Subconsultant to Camp, Dresser & McKee 1100 Superior Ave, Suite 620 Cleveland, OH 44114	\$132,163	Completed in 2004
041	C	2. Skybus Hold Room and Security Area Remodel – Columbus, Ohio	Columbus Regional Airport Authority Subconsultant to Reynolds, Smith & Hills 670 Morrison Road, Suite 260 Gahanna, Ohio 43230	\$80,000	Completed in 2007
041	C	3. Residential Sound Insulation Program - Columbus, Ohio	Columbus Regional Airport Authority Subconsultant to Jones Payne Group 321 Summer Street, Fourth Floor Boston, MA 02210	\$51,724	Completed in 2005
041	C	4. Storm Water Management Plan – Columbus, Ohio	Columbus Regional Airport Authority Subconsultant to Gresham Smith & Partners National City Plaza 155 East Broad Street, Suite 900 Columbus, OH 43215	\$75,940	Task-based project
041	C	5. Wetlands Mitigation Study – Columbus, Ohio	Columbus Regional Airport Authority Subconsultant to Burgess & Niple 5085 Reed Road Columbus, OH 43220	\$8,420	Estimated Completion in 2008
041	C	6. On-Site CAD Support Services – Cleveland, Ohio	Cleveland Hopkins Airport Subconsultant to R.W. Armstrong Burke Lakefront Airport 1501 North Marginal Road, Room 184 Cleveland, Ohio 44114	\$40,010	Completed in 2005

041	C	7. Year One Pavement Maintenance Program – Cleveland, Ohio	Cuyahoga County Airport Subconsultant to R.W. Armstrong Burke Lakefront Airport 1501 North Marginal Road, Room 184 Cleveland, Ohio 44114	\$69,490	Estimated Completion in 2008
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041	C	8. GIS Implementation Program – Dayton, Ohio	Dayton International Airport Subconsultant to Grafton Technologies 43 Federal Street Newburyport, MA 01950	\$48,724	Completed in 2006
041	C	9. Metro Knoxville Airport Authority Master Plan Update GIS – Knoxville, Tennessee	McGhee Tyson/Knoxville Airport Subconsultant to Woolpert 8731 Red Oak Blvd., Suite 101 Charlotte, NC 28217-3975	\$132,060	Completed in 2007
041	C	10. Concourse A Tile Patterning – Tampa, Florida	Tampa International Airport Subconsultant to Reynolds, Smith & Hillis 670 Morrison Road, Suite 260 Gahanna, Ohio 43230	\$20,000	Completed in 2007
12. The foregoing is a statement of facts			Date: 4/23/08		
Signature: 			Typed Name and Title: Joyce K. Johnson - President		

STANDARD FORM 254 PAGE 7 (REV. 11-92)

STANDARD FORM (SF) 254 Architect-Engineer and Related Services Questionnaire	Firm Name / Business Address: Larry M. Jacobs and Associates, Inc. 328 East Gadsden Street Pensacola, FL 32501		2. Year Present Firm Established: 1976	3. Date Prepared: 4/11/08		
	1a. Submittal is for Parent Company Branch or Subsidiary Office		4. Specify type of ownership & check below, if applicable. Florida Corporation			
			<input checked="" type="checkbox"/> A. Small Business			
			<input type="checkbox"/> B. Small Disadvantaged Business			
5. Name of Parent Company, if any:		5a. Former Parent Company Name(s), if any, and Year(s) Established:				
6. Names of not more than Two Principals to Contact: Title / Telephone Larry M. Jacobs, President (850) 434-0846 Keith Jacobs, Secretary/Treasurer (850) 434-0846						
7. Present Offices: City / State / Telephone / No. Personnel Each Office Pensacola, FL (850) 434-0846 21 Employees Ft. Walton Beach, FL (850) 434-0846 2 Employees 7a. Total Personnel 23						
8. Personnel by Discipline: (List each person only once, by primary function.)						
5 Administrative		Electrical Engineers		1 Sr. Engineering Technician		
Architects	Estimators	Oceanographers	Planners: Urban/Regional	7 Engineering Technicians		
Chemical Engineers	Geologists		Sanitary Engineers	2 Drillers		
Civil Engineers	Hydrologists		3 Soils Engineers	3 Drillers Helpers		
Construction Inspectors	Interior Designers		Specification Writers	1 Geological Engineer		
1 Draftsmen	Landscape Architects		Structural Engineers			
Ecologists	Mechanical Engineers		Surveyors			
Economists	Mining Engineers		Transportation Engineers			
9. Summary of Professional Service Fees Received: (Insert index number)		Ranges of Professional Service Fees INDEX				
		1. Less than \$100,000				
		2. \$100,000 to \$250,000				
		3. \$250,000 to \$500,000				
		4. \$500,000 to \$1 million				
		5. \$1 million to \$2 million				
Direct Federal contract work, including overseas		2007	2006	2005	2004	2003
All other domestic work		1	1	1	1	1
All other foreign work*		5	5	5	5	5
* Firms interested in foreign work, but without such experience, check here:						

10. Profile of Firm's Project Experience, Last 5 Years						
Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code
1)			11)			21)
2)			12)			22)
3)			13)			23)
4)			14)			24)
5)			15)			25)
6)			16)			26)
7)			17)			27)
8)			18)			28)
9)			19)			29)
10)			20)			30)
11. Project Examples, Last 5 Years						
Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)	
097	C	1 Hangars #10 & #11, Destin Airport Okaloosa County, FL	Okaloosa County c/o February Corp. 15000 Emerald Coast Pkwy Destin, FL 32541	3.0	2008	
097	C	2 USAF Navigator Hangar & Applied Instr. Facility Escambia County, FL	USAF c/o Bullock Tice Associates 909 E. Cervantes St. Pensacola, FL 32501	23.9	2008	
097	C	3 Destin Airport Fuel Tank Okaloosa County, FL	Miracle Strip Aviation c/o Tom Barber, Destin Airport P.O. Box 159 Destin, FL 32540	2.9	2008	
097	C	4 Hurlburt Runway 36 Repairs Okaloosa County, FL	Hurlburt AFB c/o Baskerville-Donovan, Inc. 449 W. Main St. Pensacola, FL 32501	10.5	2007	
097	C	5 Bob Sikes MODFLOW Project Okaloosa County, FL	Bob Sikes Airport c/o Polyengineering, Inc. P.O. Box 841 Shalimar, FL 32579	48.8 to date	2008	
097	C	6 Bob Sikes South 1000 ft of Runway Okaloosa County, FL	Bob Sikes Airport c/o Post, Buckley, Schuh & Jernigan 5300 W. Cypress St., Suite 200 Tampa, FL 33607	14.1	2007	
097	C	7 Okaloosa Terminal Expansion Okaloosa County, FL	Bob Sikes Airport c/o Post, Buckley, Schuh & Jernigan 5300 W. Cypress St., Suite 200 Tampa, FL 33607	7.7	2007	

097	C	8	NAS P/Cola Training Hangar & Instruction Fac. Escambia County, FL	USAF c/o The Mason & Hanger Group 300 West Vine Street, Suite 1300 Lexington, KY 40507-1814	24.6	2007
097	C	9	Okaloosa Airport South Apron Expansion Okaloosa County, FL	Bob Sikes Airport c/o Post, Buckley, Schuh & Jernigan 5300 W. Cypress St., Suite 200 Tampa, FL 33607	9.4	2006
097	C	10	Bob Sikes Land Application Okaloosa County, FL	Okaloosa County Water & Sewer Dept. c/o Polyengineering, Inc. P.O. Box 841 Shalimar, FL 32579	21.6	2006
097	C	11	Destin Airport Taxiway Widening Okaloosa County, FL	Destin Airport c/o Post, Buckley, Schuh & Jernigan 5300 W. Cypress St., Suite 200 Tampa, FL 33607	2.5	2005
097	C	12	Digital Airport Surveillance Radar Santa Rosa County, FL	c/o Mr. Randy Wildes Native American Technologies 40 W. 9 Mile Road, Suite 2, PMB 363 Pensacola, FL 32434	0.6	2005
097	C	13	Destin Airport Prelim. Stormwater Study Okaloosa County, FL	Destin Airport c/o Moore Bass Consulting 1221 Airport Road, Unit 205 Destin, FL 32541	4.8	2005
097	C	14	Bob Sikes Airport Runway Okaloosa County, FL	Bob Sikes Airport c/o Post, Buckley, Schuh & Jernigan 5300 W. Cypress St., Suite 200 Tampa, FL 33607	5.3	2005
097	C	15	Bob Sikes Airport Sign Okaloosa County, FL	Bob Sikes Airport c/o Fabre Engineering Inc. 119 E. Gregory Square Pensacola, FL 32501	0.4	2004
097	C	16	Peter Prince Airport - SW "T" Hangar Santa Rosa County, FL	Peter Prince Airport c/o Post, Buckley, Schuh & Jernigan 5300 W. Cypress St., Suite 200 Tampa, FL 33607	2.3	2004
097	C	17	Peter Prince Airport - Taxiway A Santa Rosa County, FL	Peter Prince Airport c/o Post, Buckley, Schuh & Jernigan 5300 W. Cypress St., Suite 200 Tampa, FL 33607	3.2	2004
097	C	18	Pensacola Airport TRACON Escambia County, FL	c/o URS Corp. 1000 Abernathy Rd N.E., Suite 900 Atlanta, GA 30328	6.6	2004
097	C	19	DeFuniak Airport Improvements Walton County, FL	DeFuniak Springs Airport c/o Jones, Edmunds & Associates 910 Airport Road, Suite A3 Destin, FL 32541	3.7	2004

097	C	20	Bob Sikes Airport Hangar Okaloosa County, FL	Bob Sikes Airport c/o JR 25 W. Cedar St., Suite 200 Pensacola, FL 32501	3.7	2003
097	C	21	Destin Jet Okaloosa County, FL	Destin Jet C/o Crystal Beach Development P.O. Box 1735 Destin, FL 32540	8.5	2003
097	C	22	NAS Runway Escambia County, FL	USAF Naval Air Station 610 John Tower Road, Building 3560 Pensacola, Florida 32508	0.3	2003
097	C	23	Bob Sikes Airport - AIC Project Okaloosa County, FL	Bob Sikes Airport c/o Post, Buckley, Schuh & Jernigan 482 S. Keller Road Orlando, FL 32810	4.8	2002
097	C	24	Bob Sikes Airport - CAC Project Okaloosa County, FL	Bob Sikes Airport c/o Post, Buckley, Schuh & Jernigan 482 S. Keller Road Orlando, FL 32810	6.1	2002
097	C	25	Bob Sikes Airport - Fire Station Okaloosa County, FL	Bob Sikes Airport c/o Post, Buckley, Schuh & Jernigan 482 S. Keller Road Orlando, FL 32810	1.7	2002
097	C	26	Bob Sikes Airport - Stormwater Ponds Okaloosa County, FL	Bob Sikes Airport c/o Post, Buckley, Schuh & Jernigan 482 S. Keller Road Orlando, FL 32810	2.5	2002
097	C	27	Bob Sikes Airport Treated Water Disposal Site Okaloosa County, FL	Bob Sikes Airport c/o Polyengineering, Inc. P.O. Box 841 Shalimar, FL 32579	10.6	2002
097	C	28	Bob Sikes Airport/73" Diameter Tank & Ret. Pond Okaloosa County, FL	Bob Sikes Airport c/o Polyengineering, Inc. P.O. Box 837 Dothan, AL 36301	5.2	2002
097	C	29	Bronson Air Field/Asphalt Coring Escambia County, FL	USAF Naval Air Station 610 John Tower Road, Building 3560 Pensacola, Florida 32508	1.1	2002
097	C	30	Running Track Swale, NAS Escambia County, FL	USAF Naval Air Station 610 John Tower Road, Building 3560 Pensacola, Florida 32508	0.8	2001
12. The foregoing is a statement of facts.				Date: 4/1/08		
Signature: Keith Jacobsen				Keith Jacobs, Secretary/Treasurer		

**STANDARD
FORM (SF)**

254

**Architect-Engineer and
Related Services
Questionnaire**

1. Firm Name / Business Address:

Cal-Tech Testing, Inc.
P.O. Box 1625
Lake City, FL 32056

**2. Year Present Firm
Established:**

1980

3. Date Prepared:

1/22/2008

**4. Specify type of ownership & check below, if
applicable.**

Woman-Owned Business

- () A. Small Business
() B. Small Disadvantaged Business
(X) C. Woman-owned Business

5. Name of Parent Company, If any:

**5a. Former Parent Company Name(s), if any, and
Year(s) Established:**

6. Names of not more than Two Principals to Contact: Title / Telephone

- 1) *Linda M. Creamer, President-CEO, (386) 755-3633*
2) *Calvin C. Creamer, General Manager, (386) 755-3633*

7. Present Offices: City / State / Telephone / No. Personnel Each Office

Lake City, Florida	(386) 755-3633	25	7a. Total Personnel	51
Jacksonville, Florida	(904) 381-8901	19		
Quincy, Florida	(850) 442-3495	7		

8. Personnel by Discipline: (List each person only once, by primary function.)

Administrative	Electrical Engineers	Oceanographers	Environmental Technologists
Architects	Estimators	Planners: Urban/Regional	Environmental Engineers
Chemical Engineers	Geologists	Sanitary Engineers	Materials Technicians - Quality Control
Civil Engineers	Hydrologists	Soils Engineers	Certified Industrial Hygienist
Construction Inspectors	Interior Designers	Specification Writers	Lab Manager
Draftsmen	Landscape Architects	Structural Engineers	
Ecologists	Mechanical Engineers	Surveyors	
Economists	Mining Engineers	Transportation Engineers	TOTAL PERSONNEL

9. Summary of Professional Service Fees Received:

(Insert index number)

Direct Federal contract work, including overseas	2007	2006	2005	2004	2003
All other domestic work	4	4	4	4	4
All other foreign work*	6	6	6	6	6

Ranges of Professional Service Fees INDEX

1. Less than \$100,000
2. \$100,000 to \$250,000
3. \$250,000 to \$500,000
4. \$500,000 to \$1 million
5. \$1 million to \$2 million
6. \$2 million to \$5 million
7. \$5 million to \$10 million
8. \$10 million or greater

*Firms interested in foreign work, but without such experience, check here:

10. Profile of Firm's Project Experience, Last 5 Years									
Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	
1)			11)			21)			
2)			12)			22)			
3)			13)			23)			
4)			14)			24)			
5)			15)			25)			
6)			16)			26)			
7)			17)			27)			
8)			18)			28)			
9)			19)			29)			
10)			20)			30)			
11. Project Examples, Last 5 Years									
Profile Code	"P", "C", "JV", or "IE"	Project Name and Location		Owner Name and Address		Cost of Work (in thousands)	Completion Date (Actual or Estimated)		
106	JV	Valdosta Regional A/P, Runway 35, Valdosta, Georgia		Wilbur Smith & Associates Orlando, Florida		13K	2007		
106	JV	Crystal River Airport, Box Hangar and Taxi-Lane, Crystal River, Florida		Hoyle Tanner & Associates, Inc. Orlando, Florida		13K	2007		
106	JV	Orlando Sanford International Airport Terminal Road Expansion, Sanford, Florida		Hoyle Tanner & Associates, Inc., Orlando, Florida		23K	2006		
106	JV	Suwannee County Airport, Runway 7-25, Live Oak, Florida		Earth Tech Consulting, Inc. Jacksonville, Florida		14K	2006		
106	JV	Williston Airport, Runway 5/23, Williston, Florida		Earth Tech Consulting, Inc. Jacksonville, Florida		12.7K	2006		
106	JV	Keystone Airpark, Proposed Basin, Keystone Height, Florida		Earth Tech Consulting, Inc. Jacksonville, Florida		1K	2003		
106	JV	Craig Airport, Fuel Farm with Fuel Truck Access Road, Jacksonville, Florida		Earth Tech Consulting, Inc. Jacksonville, Florida		2.3K	2005		
106	JV	Orlando Sanford International Airport, Parking Garage, Sanford, Florida		Hoyle Tanner & Associates, Inc. Orlando, Florida		10K	2006		

106	JV	Daytona Beach International Airport, Taxiway "N", Daytona Beach, Florida	Reynolds, Smith & Hills, Inc. Jacksonville, Florida	19K	2006
106	JV	Kissimmee Gateway Airport, West Ramp Expansion, Kissimmee, Florida	City of Kissimmee Kissimmee, Florida	3K	2005
106	JV	Ormond Beach Airport – Taxiway, Ormond Beach, Florida	City of Ormond Beach Ormond Beach, Florida	11K	2005
106	JV	Merritt Island Airport, Taxiway "B" & North Apron Rehabilitation, Merritt Island, Florida	Titusville/Coca Airport Authority Titusville, Florida	12K	2005
106	JV	Melbourne Regional Airport, New Terminal Building and Parking, Melbourne, Florida	City of Melbourne Melbourne, Florida	30K	2002
106	JV	Okaloosa Regional Airport, New Terminal Building and Parking, Okaloosa, Florida	Okaloosa County Okaloosa County, Florida	75K	2001
106	JV	Thomaston – Upson County Airport, Runway Rehabilitation, Thomaston, Georgia	Upson County Thomaston, Georgia	20K	2001
106	JV	St. Lucie County International Airport, Runway Extension, Ft. Pierce, Florida	City of Ft. Pierce Ft. Pierce, Florida	30K	2002
106	JV	Marathon Airport – Taxiway Rehabilitation, Titusville, Florida	Monroe County Marathon, Florida	15K	2001
106	JV	Jacksonville International Airport, Apron Expansion Jacksonville, Florida	Duval County Jacksonville, Florida	3K	2005

12. The foregoing is a statement of facts.

Signature 

Type Name and Title: Linda M. Creamer, President / CEO

Date:

4/22/2008

CONFLICT OF INTEREST DISCLOSURE FORM

For purposes of determining any possible conflict of interest, all bidders/proposers, must disclose if any Okaloosa Board of County Commissioner, employee(s), elected officials(s), or if any of its agencies is also an owner, corporate officer, agency, employee, etc., of their business.

Indicate either "yes" (a county employee, elected official, or agency is also associated with your business), or "no". If yes, give person(s) name(s) and position(s) with your business.

YES _____

NO X

NAME(S)

POSITION(S)

FIRM NAME: PBS&I

BY (PRINTED): Jeffrey Helms, PE

BY (SIGNATURE): 

TITLE: Vice President/Division Manager

ADDRESS: 2401 Executive Plaza Road, Suite 2

Pensacola, FL 32504

PHONE NO. 850.478.9844

DRUG-FREE WORKPLACE CERTIFICATION

THE BELOW SIGNED BIDDER CERTIFIES that it has implemented a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under quote a copy of the statement specified in subsection 1.
4. In the statement specified in subsection 1, notify the employees that, as a condition of working on the commodities or contractual services that are under quote, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in, drug abuse assistance or rehabilitation program if such is available in employee's community, by any employee who is convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign this statement, I certify that this firm complies fully with the above requirements.

DATE: May 1, 2008

SIGNATURE: 

COMPANY: PBS&I

NAME: Jeffrey Helms, PE
(Typed or Printed)

ADDRESS: 2401 Executive Plaza Road, Suite 2
Pensacola, FL 32504

TITLE: Vice President/Division Manager

PHONE NO.: 850.478.9844

INDEMNIFICATION AND HOLD HARMLESS

To the fullest extent permitted by law, CONTRACTOR shall indemnify and hold harmless COUNTY, its officers and employees from liabilities, damages, losses, and costs including but not limited to reasonable attorney fees, to the extent caused by the negligence, recklessness, or intentional wrongful conduct of the CONTRACTOR and other persons employed or utilized by the CONTRACTOR in the performance of this Agreement.

PBS&I
Bidder's Company Name

2401 Executive Plaza Road, Suite 2
Pensacola, FL 32504
Physical Address

Same as above
Mailing Address

850.478.9844
Phone Number

850.258.2257
Cellular Number

May 1, 2008
DATE


Authorized Signature - Manual

Jeffrey Helms, PE
Authorized Signature - Typed

Vice President/Division Manager
Title

850.478.0620
FAX Number

850.974.2652 (Rupert Johnson's cell)
After-Hours Number(s)

(REVISED: JANUARY 12, 2001)