

## PATRICIA M. BARR, PE

### Senior Traffic Engineer/Project Manager



#### REGISTRATIONS

**Professional Engineer**

Florida – Reg. #56925

**FDOT – Level 11 Traffic Safety**

**IMSA – Work Zone Safety**

#### EDUCATION

**BS, Civil Engineering**, Duke University, 1990

#### AFFILIATIONS

American Society of Highway Engineers

American Society of Civil Engineers

FICE – Transportation Committee, 2010 – 2011

Florida Engineering Society

#### OFFICE LOCATION

**Simmons & White, Inc.**  
2581 Metrocentre Boulevard West  
Suite 3  
West Palm Beach, FL 33407  
**Years of Experience: 29**

Ms. Barr has 29 years of transportation design experience, with 8 years in West Palm Beach with the firm, Simmons & White, Inc. As a Senior Traffic Engineer and Project Manager, her extensive experience includes transportation engineering and civil site improvements for both public and private clients.

Her areas of expertise include: major and minor roadway widening; new roadway design; resurfacing, safety and bridge projects for the Florida Department of Transportation; intersection improvement; traffic signal design; signing and pavement marking; roundabout design; corridor studies; electronic delivery of bid documents; maintenance of traffic; preparation of requests for proposals; specification writing; permitting; mast arm and strain pole structural analysis; signal timing; utility coordination and design; ATMS design-build; post-design construction services; traffic calming analysis and design; traffic warrant, stop sign warrant, and intersection operational studies, and quality control/quality assurance implementation. Ms. Barr has managed numerous projects from inception to completion, working with all involved parties – clients, elected officials, regulatory agencies, attorneys, funding agencies, sub-consultants, construction contractors, and the public.

#### RELEVANT EXPERIENCE

Palm Beach County Traffic Signal Annual Consultant Project Manager (8 years)  
1520 S Ocean Boulevard MOT Plans, Palm Beach, FL  
Off-Lease Only Signalization, Palm Springs, FL  
Holy Spirit Church Access, Lantana, FL  
Northlake Boulevard and Military Trail Signalization, North Palm Beach, FL  
Lake Worth Road and Jog Road Signalization, Lake Worth, FL  
SLAM Charter School on Summit Boulevard, Palm Beach County, FL  
Westlake Signalization on Seminole Pratt-Whitney Road (7 Signals)  
Haverhill Boulevard Signalization (5 Signals), Palm Beach County, FL  
Spring Training Facility Signalization, Palm Beach County, FL  
Linton Boulevard and Military Trail Signalization, Palm Beach County, FL  
Lyons Road at SW 18<sup>th</sup> Street Signalization, Palm Beach County, FL  
Blue Mountain Ave and Lyons Road Signalization, Delray Beach, FL  
SW 18<sup>th</sup> Street at Old Dixie Highway Pedestrian Improvements, Boca Raton, FL  
Seven Bridges Entrance on Lyons Road Signalization, Delray Beach, FL  
Central Boulevard and Hood Road Signalization, Palm Beach County, FL  
PGA Boulevard at Military Trail Signalization, Palm Beach Gardens, FL  
Southern Boulevard and Kirk Road Signalization, West Palm Beach, FL  
SR-858/Hallandale Beach Boulevard from Lake Shore Drive to Dixie Highway, FDOT  
Tequesta Drive Bridge Replacement, Village of Tequesta/FDOT D4  
SR-858/Hallandale Beach Boulevard from Dixie Highway to US-1, FDOT D4  
SR-858/Hallandale Beach Boulevard from US-1 to Three Islands, FDOT D4  
SR-5/US-1 RRR Project (7.5 miles in Indian River County), FDOT D4  
SR-814/Atlantic Boulevard from Dixie Highway to NE 3<sup>rd</sup> Avenue (Safety), FDOT D4  
Okeechobee Boulevard at Tamarind Avenue Intersection, Palm Beach County, FL  
Pines Boulevard Charter School Signalization, Pembroke Pines, FL  
Crestwood Boulevard Charter School Signalization, Royal Palm Beach, FL  
Tamarac Charter School Zone Flasher, Tamarac, FL  
Somerset Charter School Signalization, Boynton Beach, FL

RELEVANT EXPERIENCE (continued)

Britt Road and US Highway One Signalization, Martin County, FL  
Atlantic Commons Signalization, Delray Beach, FL  
Lake Worth Road and Jog Road Intersection, Palm Beach County, FL  
10<sup>th</sup> Avenue North and Military Trail Intersection, Palm Beach County, FL  
SR-60 at 43<sup>rd</sup> Avenue, Indian River County  
SR-60 at 27<sup>th</sup> Avenue, FDOT D4  
SR-76/Kanner Highway at US Highway 1, Martin County  
US Highway 1 at Britt Road, Martin County  
SW Monterey Road at Jack James Drive, Martin County  
Martin County ATMS Interconnect (Multiple projects), Martin County  
Jensen Beach Boulevard at Royal Oak Drive Signalization, Martin County  
Blue Heron Boulevard at Congress Avenue, Palm Beach County  
Boynton Beach Boulevard at Acme Dairy Road School Signal, GL Homes  
Boynton Beach Boulevard at Lyons Road, GL Homes  
Toney Penna Drive at Old Dixie Highway, Palm Beach County  
Forest Hill Boulevard at Quercus Lane, Village of Wellington  
Suncoast High School Signals, BRPH Architects, Inc.  
Gateway Boulevard at Quantum Boulevard, City of Boynton Beach  
Okeechobee Boulevard at Tamarind Avenue, Palm Beach County  
Military Trail at Burns Road, Palm Beach County  
SR-7 over the C-51 Canal, Palm Beach County  
Fire Station No. 56, Palm Beach County  
Red Road Signalization, Sunbeam Properties  
60<sup>th</sup> Street at 43<sup>rd</sup> Avenue Signalization, Indian River County  
Alternate A1A from Frederick Small Road to Toney Penna Drive, Palm Beach County  
A1A at Admirals Cove Signalization, Palm Beach County  
Peacock Boulevard SAD, City of Port St. Lucie  
Donald Ross Signalization (3 signals), NPBCID  
Crosstown Parkway, City of Port St. Lucie  
Hagen Ranch Road at Boynton Beach Boulevard Signalization, Palm Beach County  
Village Parkway, City of Port St. Lucie  
Community Boulevard, City of Port St. Lucie  
66<sup>th</sup> Avenue, Indian River County  
43<sup>rd</sup> Avenue, Indian River County  
US-1 at Heritage Signal Design and Permitting, MI Homes  
Floresta Drive Corridor Study, City of Port St. Lucie  
Indian River Drive Corridor Study and Signal Design, Gee & Jensen  
Mizner Grand Roundabout, Mizner Grand Hotel  
Paradise Point Neighborhood Traffic Calming, City of Deerfield Beach  
Pioneer Park Neighborhood Traffic Calming, City of Deerfield Beach  
SE Communities Neighborhood Traffic Calming, City of Deerfield Beach  
Fort Myers Traffic Calming Plan (Five Wards), City of Fort Myers