

# KURT T. STONE, P.E.

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## CONSTRUCTION ENGINEER

### SUMMARY

Civil Engineer with 40 years of experience in construction of heavy civil works, including roads, bridges, airfields, seawalls, nuclear power plant cooling towers, petroleum oil storage tanks and dry docks. Experience also encompasses structural design and analysis of buildings as well as the operation, maintenance and planning of public works facilities. Proven performance in management and analytical problem solving.

### EDUCATION

MBA, Pepperdine University  
BS, Civil Engineering, University of New Mexico

### EXPERIENCE

2017 to present **MEMBER, Disputes Review Board.** Member of Dispute Review Boards for various **Florida Department of Transportation** construction projects throughout the State of Florida.

2004 to 2015 **ASSISTANT VICE PRESIDENT,** Parsons Brinckerhoff Construction Services, Ft Lauderdale, FL.  
Responsible for management of consultant engineering contracts for construction engineering and inspection of highway and bridge projects with public agencies.

- 2014-2015 **Project Manager, Business Development, Miami, FL.** Prepared proposals for new work. Duties included client interface, team development, preparation of schedule, staffing and equipment levels, preparation of budget, writing of text and layout of response to Request for Proposal documents. Major pursuit efforts were FDOT Turnpike Management Engineering and Materials Consultant contract and Miami Dade Expressway (MDX) General Consultant contract for construction services.
- 2005-2014 **Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise, Construction Management Engineering and Materials General Consultant, Pompano Beach, FL.** Director, responsible for overall management of the General Consultant contract providing staff, material and equipment procurement to the Turnpike Operations Department for Construction and Materials, a five year, \$40 million program. Supervised a staff of approximately 40 individuals in five different offices and operated and maintained a fleet of 20 vehicles. Staff was completely integrated into the Turnpike organization and provided construction project managers; computer support; materials engineering and technicians; construction quality control technicians for asphalt, buildings, maintenance of traffic, environmental permitting and utility relocations; materials laboratory testing services; clerical staff; document control; public information personnel; claims analysis; construction project scheduling; constructability reviews; accounting auditors; geotechnical services and system and process analysis services in support of a construction program in excess of \$100 million annually. Superintended 17 subconsultants providing additional support in the aforementioned functional areas as well. At the time the Turnpike had 26 individual construction contracts underway across a system in excess of 460 miles throughout the State of Florida.
- 2004-2005 **Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise, Western Beltway, Part C, Orlando, FL.** Construction Program Manager, responsible for overall construction management of the Western Beltway, Part C Project, a \$115 million project for the construction of SR-429 between Seidel Road and I-4 in western Orange County. Work included oversight of 3 consultant CEI firms engaged in coordination of three separate prime contractors, five public agencies, four utilities and numerous private entities in the execution of six projects for the construction of over 10 miles of new controlled access divided highway. Features of the work included construction of one mainline and six ramp toll plazas, five interchanges, nine bridges utilizing AASHTO concrete, steel plate and steel box girders, placement of over 4.9 million cubic yards of embankment, 303 thousand cubic yards of subsoil excavation, installation of over 90 thousand square feet of mechanically stabilized earth walls, and placement of 79 thousand lineal feet of drainage pipe.
- 2004-2005 **Florida Department of Transportation (FDOT), District VI, Miami Gardens Drive, SR 860 from NW 28<sup>th</sup> Place to NW 14<sup>th</sup> Avenue, Dade County, FL.** Member, Disputes Review Board. Project involved \$8.5

million reconstruction of approximately one and a half miles of existing four lane urban arterial. Work included excavation, embankment, stabilization, embankment, new asphalt pavement, curb and gutter, drainage, street lighting, signalization and construction of sound walls.

- 2003-2005 **Florida Department of Transportation (FDOT), District IV, Andrews Avenue Extension, Broward County, FL.** Chairman, Disputes Review Board. Project involved \$5.6 million reconstruction of approximately 1.2 miles of existing two lane urban roadway to a four lane urban arterial. Work included excavation, embankment, stabilization, embankment, new asphalt pavement, curb and gutter, drainage, street lighting, signalization and construction of sound walls.

2001 to  
2004

**PROJECT MANAGER**, Lim & Nascimento Engineering Corporation, Irvine, CA  
Responsible for management of consultant engineering contracts for construction engineering and inspection of highway and bridge projects with public agencies.

- 2001-2004 **California Department of Transportation (Caltrans), District 4 (59), New Benicia-Martinez Bridge Project, Martinez, CA.** Segmental Bridge Engineer, responsible for construction QA/QC of the superstructure of a 7400'x79'x140' high level cast in place \$283 million segmental bridge carrying I-680 over the Sacramento River. Work included installation of 84" drilled shaft piles to 225', post-tensioned 62'x70'x4.5' precast pile caps, and balanced cantilever erection of single cell box girders in 17 spans. Girders vary in depth from 38' at the piers to 15' at mid-span. Main spans exceed 658' clear span over main and alternate shipping channels.
- 2002-2004 **Florida Department of Transportation (FDOT), District VII, Reconstruction of SR-52 from US-41 to CR 581, Pasco County, FL.** Member, Disputes Review Board. Project involved \$4 million reconstruction of 9.1 miles of two lane rural highway. Work included milling and resurfacing, drainage extensions, installation of a signalized intersection, subsoil excavation and barrier wall construction.
- 2002-2003 **Florida Department of Transportation (FDOT), District IV, Milling, Resurfacing and Safety Upgrades to US-27, Broward County, FL.** Member, Disputes Review Board. Project involved \$4.9 million reconstruction of 7.2 miles of two lane rural highway from Dade County Line to Griffin Road. Utilizing Design-Build delivery system, project included milling, resurfacing, embankment, selective clearing and grubbing and canal bank stabilization.
- 2001-2002 **Florida Department of Transportation (FDOT), District IV, Reconstruction of Griffin Road, Broward County, FL.** Member, Disputes Review Board. Project involved \$11 million reconstruction of 1.5 miles of urban arterial. Work included expansion of roadway from 4 to 6 lanes, construction of a three span thickened slab bridge, signalization, drainage, lighting and sound wall construction.

1992 to  
2001

**CONSTRUCTION DEPARTMENT MANAGER**, DMJM+HARRIS (Frederic R. Harris) Florida Operations.  
Responsible for management, administration oversight and business development of all road and bridge construction management and construction engineering and inspection (CEI) projects within Florida.  
In addition to departmental duties, served in the following capacities on the following projects:

- 1999-2002 **Florida Department of Transportation (FDOT), District VI, SR-826 / MW 103<sup>rd</sup> Street Interchange, Miami, FL.** Member, Disputes Review Board. Project involved reconstruction of a \$40 million Interchange. Work included phased reconstruction of approximately 1 mile of 8 lane, controlled access highway, construction of 5 AASHTO girder bridges, one 1500 lf steel girder flyover and extensive mechanically stabilized earth walls, all under extremely high volumes of high speed traffic.
- 2000-2001 **New Mexico State Highway and Transportation Department, District 3, I-25/I-40 Interchange, Albuquerque, New Mexico.** Senior Quality Assurance Field Engineer for eight segmental bridges on a \$221 million controlled access interchange. Monitored and coordinated shop drawing submittals and approvals, casting yard operations and precasting and field erection of 663 single cell concrete box girder segments. The bridges total 8,446 feet in 52 spans. Monitored material sampling, testing and documentation, field quality control inspection, geometry control of precasting and erection, as well as temporary and permanent post-tensioning. Also monitored substructure construction, including mass concrete placement and control.
- 1998-2000 **Florida Department of Transportation (FDOT) District IV, Reconstruction of SR-700, Palm Beach County, FL.** Senior Project Construction Engineer on an \$11 million replacement of a two lane rural highway between Canal Point and SR-80. Work involved 14 miles of new geotextile fabric installation, embankment widening, guardrail and barrier wall installation, base and asphalt, all over an unstable muck subgrade. Other

work included selective subgrade replacement and reinforcement, and cofferdam installation of six major cross drains between the West Palm Beach Canal and private agricultural pump stations, as well as NPDES and South Florida Water Management Permit compliance and coordination.

- **1997-1999 Florida Department of Transportation (FDOT) District IV, Canal Point Bridge, Palm Beach County, FL.** Senior Project Construction Engineer on the \$1 million replacement of an existing two lane, 136' long, 5 span steel girder bridge with a new 138', 3 span AASHTO girder bridge. Work involved complete removal of the existing bridge; including monitoring of proper environmental disposal of old lead contaminated structural members.
- **1997-1998 Florida Department of Transportation (FDOT), District IV, Reconstruction of SR-15, Palm Beach County, FL.** Senior Project Construction Engineer on a \$1 million demonstration highway project. Work involved construction of approximately 1 mile of two lane rural highway, utilizing three different types of geotextile fabric in multiple locations and combinations.
- **1997 Florida Department of Transportation (FDOT), Turnpike District, Polk County Parkway, Sections 4A & 4B, Lakeland, FL.** Resident Construction Engineer on a \$28 million, 3.5-mile new alignment, controlled access, 4 lane divided highway. Work involved extensive surcharge placement and monitoring, contaminated material clean up, subsoil excavation of phosphate mine tailings, drainage, construction of four AASHTO girder bridges, mechanically stabilized reinforced earth walls, and reconstruction of approximately 1 mile of Highway US-98. Work involved extensive coordination with local public works and the District Remediation Contractor.
- **1997 Florida Department of Transportation (FDOT), District VI, MacArthur Causeway Bridge (I-395), Miami, FL.** Resident Construction Engineer for construction of a \$36M 2460' x 68' x 65' high-level fixed span twin bridge over the Intracoastal Waterway. Structures included drilled shaft foundations to 84" x 100' +, 146' post-tensioned Florida Bulb-T girders, 2800' of approach roads, existing bascule bridge demolition, new fender pile installation, extensive mechanically stabilized earth walls, drainage, lighting, and utility coordination.
- **1994-1996 Florida Department of Transportation (FDOT), Florida's Turnpike, NW 106th Street Interchange at H.E.F.T., Dade County, FL.** Resident Construction Engineer for the construction of a \$9 million interchange on the Homestead Extension of Florida's Turnpike. Work involved construction of four ramps, approximately 1/2 mile of 4 lane divided roadway, one 200 L.F., 2 Span AASHTO girder bridge, construction of two toll plazas, installation of 742 L.F. of 14' structural arch pipe culvert and over 1,489 L.F. of mechanically stabilized earthwalls.
- **1993-1994 Florida Department of Transportation (FDOT), Florida's Turnpike, Atlantic Boulevard/Turnpike Interchange, Broward County, FL.** Resident Construction Engineer for the construction of a \$4 million half diamond interchange for Florida's Turnpike. Work included construction of one 346' five span AASHTO girder bridge, one 204' seven span thickened slab bridge and widening of one 150' three span AASHTO girder bridge, all supported on 18" precast concrete piles. Related work consisted of two signalized intersections, construction of two cantilever retaining walls totaling 347 lf and related ramp, drainage, landscaping and lighting work.

1987 to  
1992

**RESIDENT ENGINEER**, Beiswenger, Hoch & Associates, Miami, FL.

Monitored and evaluated progress, conducted inspections, provided direction to contractor for quality control and design changes, exercised fiscal control, analyzed, negotiated, and prepared contract changes, formulated proposals for new contracts and supervised office and inspection staff. During this period, served on the following projects:

- **1992 Florida Department of Transportation (FDOT), Florida's Turnpike, Seminole County Expressway, Southern Section, Seminole County, FL.** Resident Construction Engineer for a \$12 million, 2 1/4 mile, new construction, four lane, controlled access highway which included a new interchange at Aloma Avenue. Work included five AASHTO girder bridges up to 116' in length, installation of over 180 18" precast concrete piles, subsoil excavation, staged embankment construction, extensive wetlands protection, and reinforced earth wall construction. The project also included removal, recycling and disposal of a large landfill.
- **1991 Florida Department of Transportation (FDOT), District 6, MacArthur Causeway Reconstruction Project, Dade County, FL.** Resident Construction Engineer for the \$11 million reconstruction of approximately two miles of six lane urban arterial across Biscayne Bay between Miami and Miami Beach. Work included over 8,000 lf of precast concrete bulkhead supported by 18" precast concrete piles, deep injection drainage wells and extensive MOT considerations.

- 1988-1990 **Florida Department of Transportation (FDOT), District 6, Port of Miami High Level Segmental Bridge, Dade County, FL.** Project and Resident Construction Engineer for the construction of a \$34 million 2500' x 106' x 65' high, precast, concrete, post-tensioned segmental bridge over the Intracoastal Waterway in downtown Miami. Features included erection of 630 two cell 53' x 8' segments by the balanced cantilever method. Supervised 22 Inspectors both at the field site and in the precast yard. Work included installation of over 250 30" precast concrete piles, many over 139 lf long (water piers), 500 18" and 24" concrete piles (land piers), mass concrete monitoring, ½ mile of new concrete roadway pavement, french drain installation, fender system construction, steel sheet pile bulkhead construction, signalization and relocation of ½ mile of railroad.
- 1987-1988 **Florida Department of Transportation (FDOT), District 4, SR 80 Reconstruction (at 20 mile bend), Palm Beach County, FL.** Resident Construction Engineer for the \$7 million reconstruction of 5½ miles of existing 2-lane rural road to a 4 lane divided highway. Work included erection of two 175' 3 span AASHTO girder bridges; 18" precast pile installation, and over 750,000 cys. of subsoil excavation.

**PROFESSIONAL**

**PE: Florida, Texas and California.** Fellow, American Society of Civil Engineers. NCEES File, Dispute Review Board Administration and Practice Workshop, International Municipal Signal Association Work Zone Safety Specialist

**PERSONAL**

Military Service: LCDR (0-4), US Navy Civil Engineer Corps, Top Secret Clearance.