

Talia Garcia

Engineering Manager, Professional Engineer (P.E.); ENV SP

Experienced professional engineer with over 16 years of experience in the public utilities sector. Excellent reputation for resolving problems, improving customer satisfaction, and driving overall operational improvements. Leveraging existing technologies to better plan for the future and make smarter capital improvement planning decisions.

Work History

2010-10 - Utility Services Engineering Manager

Current *City Of Boca Raton, Boca Raton, Florida*

- Directs the \$300 million Capital Improvement Program for the Utility Services Department. Manages the Engineering Division and coordinates new development and modifications to infrastructure.
- Leads a team charged with long range capital planning, budgeting and implementation for infrastructure improvements and operations. This work includes modeling and master planning, developer plan review and inter-governmental coordination.
- Heads the Geographic Information System (GIS) program for the Utility Services Department. Creates GIS solutions for the Department as well as develops new innovative approaches to spatial analysis to solve old problems and plan for the future.
- Coordinates the activities of City, State, and the Federal agencies, private contractors, and others involved with City projects.

2009-11 - Structural Design Engineer

2010-10 *JCA Engineering, LLC., Davie, FL*

- Performed professional engineering work and administration and consulting work in the design, investigation, and construction of highway bridges, temporary crane trestles, quay walls, sheet piles and other structural-related work.
- Prepared design reports, plans and specifications and acted as a project manager on assigned projects.

Personal Info

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E-mail

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LinkedIn

<https://www.linkedin.com/in/taliagarcia/>

Skills

State of Florida Professional Engineering license

eMBA candidate at Quantic University, class of April 2022

Envision Sustainability Professional (ENV SP)

B.Eng & M.Eng degrees from world-ranked McGill University, Canada

11 years of public service in local government

Exceptional interpersonal communication

2004-07 - **Senior Engineer**

2009-10 **Chen Moore & Associates**, Fort Lauderdale, FL

- Assumed full management responsibility for project services and activities including establishment of project goals, objectives, policies and priorities related to public works projects. Successfully refined and implemented new projects.
- Performed professional engineering work and/or administration and consulting work in the design, investigation, and construction of street, utility, ground water, domestic water, storm water, wastewater, light systems and other public works projects.

Education

2021-02 - **Executive Masters in Business Administration (eMBA)**

Current **Quantic University** - Washington D.C.

2003-06 - **Master of Engineering: Structural Engineering**

2004-06 **McGill University** - Montreal, QC

- Thesis: The effect of reinforcement on alkaline aggregate reactivity

1998-09 - **Bachelor of Engineering: Civil Engineering**

2003-06 **McGill University** - Montreal, QC

- Majored in Structural Engineering
- Minored in Construction Management

Accomplishments

- 2019-2020 - Panelist for " Palm Beach County Women in Government" prepared by SMPS South Florida.
- 2014 - Panelist for "Girls Excelling in Math and Science" (GEMS): Presented to over 200 girls in grades 3-8 interested in pursuing careers in STEM fields.
- 2008-2009 - ASCE Branch President, Broward County
- 2005-2008 - ASCE Young Member Representative,

Certifications

- Licensed Professional Engineer (Florida)
- USGBC LEED® AP
- ISI Envision Sustainability Professional (ENV SP)

Software

Microsoft Office Suite
Excellent

ESRI ArcMap & ArcGIS Pro
Excellent

Autodesk AutoCAD
Very Good

IBM Maximo
Very Good

Languages

Spanish
Native

French
Superior

References available upon request