September 2015 Opportunity

September Meeting Features Sen. George LeMieux

DATE: Wednesday, September 16, 2015

LOCATION: 94th Aero Squadron
1395 NW 57th Ave
Miami, FL 33126

AGENDA: 11:00 am - 1:00 pm
Lunch/Event Speaker

TOPIC: SFWMD-Restoration and Infrastructure Projects Under Design & Construction.

SPEAKER: Matthew Alexander, P.E.
South Florida Water Management District

COST: $25 for Industry
$20 for Government
$30 for Late Arrivals

CONTACT: Diana Umana
954-7318140
dumana@nova-consulting.com
RSVP by close of business Friday, September 11

To Register go to sameposts.org/southflorida

Bio Overview
Matthew Alexander, PE

Matthew Alexander has 23 years of experience in engineering and environmental consulting. He is currently Section Leader for the South Area of the Project Management Section of Engineering & Construction Bureau and is responsible as supervisor of eight Engineering/Construction Managers overseeing a variety of infrastructure and restoration projects in stages of design and construction for the SFWMD.

Alexander received his Bachelor of Science in Environmental Engineering from the University of Florida and a Bachelor of Science in Geology from George Mason University and is a State of Florida licensed Professional Engineer.

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Your input is welcome
All text subject to editing

Find Out More
www.same.org or http://secure.sameposts.org/franchises/south-florida/events/661
Thank you for your support...

Industry Day July 22, 2015
Thank you for your support...

presentations and additional pictures are available on the SF post website
Message from the President...

Dear South Florida Post Members,

It is a distinguished honor to be elected as the Post President for the 2015-2016 year and although I am responsible for carrying out the SAME South Florida Post mission, it is your contributions and commitment that continue to grow our esteemed Post. Our achievements can be attributed to an incredible leadership team including my predecessor, Randy Sosa whose hard work and dedication resulted in one of the most successful years in the history of our Post. I am also very excited to welcome in a new team of Vice Presidents and Board Members who will be working hard to bring you programs and events that will focus on professional development, business opportunities, and community involvement.

Last year we held many engaging and rewarding SAME South Florida Post events. We hosted a robust program of bi-monthly speaking engagements featuring guests from local, federal state, and private agencies. We conducted outreach events with local schools, held a holiday social event to donate toys to needy families, and received a behind-the-scenes construction tour of the new Frost Science Museum. Through your generosity and several fundraising events we were able to send one local student to the Marine Corps Construction Camp and awarded four $1000 scholarships to well deserving high school and college students. Our year was topped off with a resoundingly successful Second Annual Industry Day that featured over 26 different speaker and sponsors. I want to specifically thank everyone who volunteered for all of last year’s events and in particular our sponsors for their support. Without your commitment to our Post, none of these events would have been possible.

The upcoming year provides an outstanding opportunity to build on past successes and we have a dedicated team who will be helping guide our Post throughout the year. The 1st Vice President (Programs), Steve Williamson and his team will be bringing you diverse and relevant programming from a mix of state, local, and public sources. They will look for opportunities to partner with other professional organizations and will focus on growing next year’s Industry Day. The 2nd Vice President (Education and STEM outreach), Daphne Gurri and her team will identify and work with well positioned STEM partners to provide you several opportunities to engage local students in the areas of Science Technology Engineering and Math. The 3rd Vice President (Support to Veterans), Elliot Press and his team will be developing a veterans outreach program that identifies key community partners and focuses on support in the areas of employment, education, training, and quality of life with a goal of holding three veteran support events in the upcoming year. There are ample opportunities to get involved with any of these focus areas so please consider participating and supporting the areas that interest you the most.

I encourage you to visit our Post website where you can find information regarding exciting upcoming events and outreach opportunities. I also welcome your ideas on improving our programming and especially your willingness to volunteer for any of our Post activities. It is a privilege to serve as your Post President and I look forward to an exciting and successful year ahead!

CDR John Berry, PE, USCG
President, SAME South Florida Post
OUR EXPERIENCE
MCM is a full service contractor with over 31 years of experience successfully delivering projects in the residential, municipal, commercial, aviation, education, federal, road & bridge, rail and heavy civil market sectors. The firm’s services include general contracting, design-build, preconstruction, construction management and public-private partnerships.

MCM has extensive experience in a wide range of complex building types. We are also proficient in all project delivery methods: Pre-Construction Services, Design-Build, Construction Management, Public Private Partnership, Traditional Competitive Bid, and Privately Financed. MCM diversified portfolio of work has enabled our continued growth and success in every economy. We take pride in being master builders and delivering Building Excellence.

In South Florida alone MCM has successfully delivered on-time and budget, over $1.85 Billion in construction projects. This includes but is not limited to:

- **35 commercial/municipal projects**
- **33 educational projects**
- **19 road & bridge projects**
- **18 multi-story residential**
- **17 aviation projects**

SELF-PERFORMANCE
MCM’s single greatest asset is our management and construction personnel. Our commercial team is capable of self-performing many scopes of work from the concrete structure of a building, to drywall and all associated site work. When building bridges and roads, our own civil team performs the concrete, grading, roadwork, earth wall construction, pile driving and underground utilities scopes. These in-house resources provide us a competitive edge and guarantees that the highest standards of quality control are met.

We have with an Equipment Fleet valued at approximately of $50 Million, all of which is maintained and driven by Certified Operators. Our fleet of specialized equipment enables us to tackle large projects with ease.

LEADING THE WAY...
MCM is committed to contribute towards a cleaner and safer environment for all future generations. As construction professionals, and a member of the U.S.
LEEDING THE WAY... continued
Green Building Council (USGBC), we have a responsibility to ensure the health of people, ecosystems, and ultimately, our planet. For this reason, it is our undertaking to implement sustainable practices in all of our projects. We believe that constructing a building that serves as a benchmark for energy efficiency and environmental responsibility is truly a team effort and as such, MCM continues its campaign to certify all of its managers and superintendents as LEED Accredited Professionals.

In the last five years, MCM has completed four LEED certified projects including the first ever LEED Silver Certified facility for Miami-Dade County ISD.

A FAMILY BUSINESS
MCM exists today in large part because of the powerful family bond and ethics instilled in us by our parents. For nearly two decades, from 1941 to 1960, our father, Fernando Munilla, Sr., was one of Cuba’s premier builders and a pioneer in construction methodology. His enterprises included an engineering firm, three of the largest concrete plants, and a construction management company that built a good portion of the nation’s pre-cast and pre-stressed construction projects.

Jorge Munilla MCM President

Company Mission
MCM, “a builder committed to delivering total client satisfaction.”

These words represent our Mission as a company, a team of construction professionals, craftsmen and skilled laborers, united and dedicated to Building Excellence for you, our Clients and Partners.

Backed by Family Ownership you can communicate with directly and count on to achieve the highest standards of construction and client satisfaction.

Solid Financial Resources to guarantee the timely completion of your project in any economic environment.


Diverse project delivery methods: Pre-Construction Services, Design-Build, Construction Manager, Public Private Partnership, Traditional Competitive Bid, and Privately Financed.

 Experienced construction professionals who will deliver your project on schedule and on budget.

Self-Performing many scopes of work to guarantee Quality Control and efficiency.

Implementing the best industry practices and leading edge technologies to ensure a safe and well coordinated job site.

ISO 9001 Certified and training many of our managers as LEED Accredited Professionals.

Continued on Page 7
Zone Reservoir Embankment

SITE 1 IMPOUNDMENT

Type of Project Represented: Levee
Your Firm’s Name: MCM
Project Name and Contract No.: Site 1 Impoundment - L-40 Modifications, Boca Raton, FL W912EP-13-C-0008
Owner: USACE/South Florida Water Management District

General Scope of Construction Project

The Site 1 Impoundment project includes modifications to approximately 15,000 ft of the existing L-40. Construction activities include demolition, vegetation clearing and grubbing, excavation and fill placement, erosion control measures that include soil cement, articulated concrete block armor, turf reinforced mat, installation of embankment instrumentation and construction of an approximately six-acre wildlife wetland area. Similarities to the C-44 Reservoir Projects are described below.

Sub-Element A – Zoned Embankment Experience

MCM is completing the first phase of the Site 1 Impoundment, which will include an approximately 8 ft deep, above ground impoundment (13,280 acre-ft capacity). At the time of solicitation for the C-44 project, the Site 1 Impoundment project was approximately 70% complete. The Site 1 Project resembles the C-44 project in the following scopes of work for zoned embankment:

- Excavation of organic and unsuitable material
- Foundation Cleanup
- Placement of 3” embankment material
- Placement of 2” 9” Fine Drainage gravel on the North and South Side of the levee
- Installation of Geotextile Fabric
- Placement of 24” placed soil cement
- Placement of Topsoil
- Installation of a Toe trench
- Placement of 18” Coarse Drainage gravel on the South Side of the Levee
- Installation of Articulated Concrete Block Armoring
- Installation of Turf Reinforced Mat
- Placement of Sod

Main material volumes for the zoned embankment are:
- Excavation of organics 174,000 cy
- Placement of Embankment 275,000 cy

Soil Cement Plating

Type of Project Represented: Levee
Your Firm’s Name: MCM
Project Name and Contract No.: Site 1 Impoundment - L-40 Modifications, Boca Raton, FL W912EP-13-C-0008
Owner: USACE/South Florida Water Management District

Sub-Element B – Mixing and placing of soil cement plating

Mixing and placement of soil cement plating for 12,500 ft of levee is more than 70% complete on the Site 1 Impoundment project. MCM was able to successfully complete a homogeneous uniform mix using a stationary batch plant type, with a model 7500 mixer.

Prior to soil cement placement, MCM would set steel forms to create a straight edge at the bottom, top and sides. MCM used 3-4 40 ton articulated dump trucks along with (2) machine controlled GPS dozers for spreading the soil cement in compacted lift thicknesses of (3) 8” lifts. Surface smoothness was accomplished using pneumatic roller compactors and hand tools. MCM was able to complete soil cement pours in up to 160 ft sections within a 6 hour period.

Main material quantities of the Soil Cement are:
- Placement of Soil Cement 60,000 cy

Continued on Page 8
Dewatering Operations

**SITE 1 IMPOUNDMENT**

- **Type of Project Represented:** Levee
- **Your Firm’s Name:** MCM
- **Project Name and Contract No.:** Site 1 Impoundment - L-40 Modifications, Boca Raton, FL WP12ER-13-C-0008
- **Owner:** USACE/South Florida Water Management District

**Sub-Element C - Dewatering Operations for reservoir embankment**

Dewatering operations were simultaneously occurring at the Borrow Pit and adjacent to the north and south side of the D525 within up to 5,000 ft of levee. Produced groundwater was routed within the project the phase I and II lands using discharge piping and conveyance ditches and discharged off the project into the Hillsboro Canal through discharge outfalls. The outfall structures contained tier board coverts which were used to control the elevation of the ponded water within the projects lands.

The maximum depth of excavation within the borrow pit was approximately 20 ft below the existing grade. Within the borrow pit, (3) 12” hydraulic pumps were used to dewater the borrow pit cells. Key ditches were built outside of the excavation area to maintain the area dry.

Dewatering adjacent to the D-525 levee occurred in two adjacent sections for a total of approximately 5,000 ft. Sheet piling was installed in the L-40 canal to limit the flow of water from the canal into the excavation area. Initial dewatering of the north side of the levee began with (3) 12” hydraulic pumps. Once the north side was mostly dewatered, the south side was dewatered using (2) 12” hydraulic pumps. Water was needed to be maintained 2 ft below the working area. In order to facilitate this, key ditches were installed on the North and South side of the levee to promote the drainage of the foundation floors.

The D-525 levee was designed by USACE and as such it had similar general contract and performance requirements to the C-44 Reservoir Project. Therefore, the project was constructed with USACE’s expectations for safety, quality, and protection of existing water resources and other environmental conditions as well as other general execution performance.
South Florida’s May luncheon/meeting at the 94th Aero Squadron focused on opportunities in aviation. First, Colonel Steve Williamson (Ret), SF Post 1st Vice-President, discussed veteran events and opportunities, as well as STEM events, scholarship opportunities, and Industry Day. Contact Williamson if you want to volunteer.

Following a delicious lunch, keynote speaker, Jose A Ramos, reviewed opportunities and expansion at Miami-Dade Aviation Department (MDAD). The expansion will require several years for implementation and MDAD is attempting to maximize capacity and capabilities of existing infrastructure. Ramos’ full presentation is available on the SF post website.
What prompted your interest in joining and serving a leadership role in the South Florida Post?

LEGO Construction joined the SAME organization because SAME represents and integrates different types of industries such as military, architects, engineers, services and construction.

We specifically wanted to participate in the SAME South Florida Post because the Post is committed to helping students in their educational development, supporting veterans, and facilitating networking with other professionals and companies. SAME promotes opportunities to share new knowledge and experience with other members and contribute to a stronger sense of industry cooperation.

Spotlight Profile

Luis Garcia is the founder and President, CEO of LEGO Construction Co. With the dream of owning and operating his own company one day, his dream became a reality and so much more in 2006. Bringing over 15 years construction experience to the field working in Florida, California, and internationally he is responsible for the overall strategic direction and profitability of the company. He oversees all services groups including Development, Project Management, Estimating, Finance and Strategic Planning.

He has worked as an Estimating Engineer, Superintendent, Project Engineer, and Project Manager for Turner Construction Co. and Pavarini Construction Co. He also worked for the Department of Justice in Colombia and worked for Javeriana University as a professor.

He holds a Bachelors Science Degree in Civil Engineering from Pontificia Universidad Javeriana, Colombia. He attended Andes University, University of Washington and earned a Project Management Certification from Georgetown University.

How Can Your Firm be Featured?

Become one of our Sustaining Member Companies and Annual Sponsors - Don’t miss out on these sponsorship benefits:

- Discuss your company at the next luncheon
- Sit with the monthly speaker at the luncheon
- Promote your company by being featured with article and photos in our monthly newsletter, The South Florida Post Quarterly

How do you sign up?
You will be asked if you are interested when you register for the luncheon.

Need Information on becoming a luncheon sponsor?
Contact Luis Garcia at lgarcia@legocc.com
SAME South Florida Post

Get Involved...

Officers/Directors/Committee Chairs

President - CDR John Berry, USGC
Email: John.D.Berry@uscg.mil

1st Vice President (Programs) - Steven C. Williamson
Colonel (Ret), US Army
Email: steconwil@gmail.com

Program Outreach & Communications Chair -
Juan Prieto
Email: jprieto@nova-consulting.com

Program Coordination & Partnership Chair -
Luis Garcia
Email: lgarcia@legocc.com

Newsletter/Website Chair – LT Beth Runco, USCG
Email: Elizabeth.A.Runco@uscg.mil

2nd Vice President - (Education and STEM Outreach) - Daphne Gurri
Email: dgurri@gurrimatute.com

STEM Outreach Chair - Vanessa Bermudez
Email: vaness.bermudez@tic-eng.com

Awards/Scholarships/Camps Chair –
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Email: david.a.obrien@uscg.mil

Architectural Practice Liaison –
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Email: dgurri@gurrimatute.com

3rd Vice President – Elliot Press
Email: epress@mcm-us.com

Veterans Outreach Chair – CAPT Ben Davis,
Frank Regueyra
Email: fregueyra@lunacon.com

Secretary – Diana Umana
Email: dumana@nova-consulting.com

Treasurer - Carlos Acosta
Email: carlos.j.acosta@hotmail.com

GET with the PROGRAM
Society of American Military Engineers
South Florida Post plans events that provide information, networking and “paying it forward” to those serving in the military.

2015 EVENT SCHEDULE

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC/EVENT</th>
</tr>
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<tbody>
<tr>
<td>Sep 16</td>
<td>SFWMD Restoration/Infrastructure Projects</td>
</tr>
<tr>
<td>Nov 17</td>
<td>(94th Aero Squadron)</td>
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<tr>
<td>Dec 19</td>
<td>TBD (94th Aero Squadron)</td>
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<tr>
<td></td>
<td>Post Holiday Social (CG Base Miami Beach Gator Den)</td>
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Membership Chair -
LT Stephanie Wood, USCG
Email: Stephanie.D.Wood@uscg.mil

Young Members Chair -
Ivan Pastor, MCM
Email: ipastor@mcm-us.com

- Individual Members: Vacant
- Sustaining Members: Vacant

SF Quarterly