TO:        PRESIDENT KIM KIRBY & MEMBERS OF THE FLORIDA CHAPTER EXECUTIVE COMMITTEE

FROM:      ROBERT NOWAK, DISTRICT REPRESENTATIVE, WEST COAST BRANCH
           CHARLES R. JORDAN, M.P.A., CHAIRMAN, WEST COAST BRANCH

DATE:      AUGUST 2011

RE:        WEST COAST BRANCH REPORT

The West Coast Branch has been very busy in the past few months, setting up new training and educational opportunities, planning upcoming events, and attempting to balance our membership decline. We have broken down, by category, the activities of the Branch since the Annual Meeting in Daytona:

MEMBERSHIP:
- Sent out Welcome to the Branch Emails on a Monthly Basis to all New Members of APWA in the Tampa Bay Area.
- Notified all Delinquent Members that they need to pay their dues on a Monthly Basis.
- Produced and emailed a Marketing Blast to all former members of 18 months or more informing them of the “We Want You Back” Campaign.
- Personally contacted all “Prospective” Members submitted by the APWA.net website.

ANNUAL SCHOLARSHIP GOLF TOURNAMENT:
- The Annual “Edward Burkett” Scholarship Fund Golf Tournament has been set for December 3, 2011 at 8:30 AM at the Heritage Harbor Golf Club in Lutz, Florida.
- Application Forms and Sponsorship Packages are currently being sent out, please let us know if you want to participate.

NEWSLETTERS:
- The Branch continues to publish a Monthly E-Newsletter and Quarterly Print Newsletter. The most recent edition of each is attached.

BRANCH MEETINGS:
- The Branch has changed the format of the Meetings to make them every other month, and include a guest speaker. So far we have had a full meeting at Cleveland Heights Golf Club in Lakeland that was sponsored by Roadway Management and had Chris Albright from Paveway Systems teach us about textured pavement. We also schedule a small golf outing afterwards for members to socialize and network.
- Here is the schedule for the rest of our meetings this year:

  September 14, 2011 City of Dunedin Community Center located at 1920 Pinehurst Road, Dunedin, FL. 34698. Golf after the meeting at The Dunedin Country Club. Guest speaker will be Barry McKeon with Hubbard Construction, Technical Manager on Full Depth Reclamation QC Plans.

  1936 Lee Rd, Winter Park FL 32789
November 9, 2011       City of St. Petersburg  Sunken Gardens 1825 4th St N St. Petersburg Fl 33704.
Golf at the City's Mangrove Bay Golf Course, 875 62nd Ave NE St. Petersburg Fl 33702, starting at 1:00 pm after the meeting.
Guest speaker will be Bryan Fast of Thirsty Duck.
Thirsty Duck Buoyant Flow Control Devices (BFD's) minimize detention storage volume by maximizing outflow rate. Depending on system hydrology and hydraulics, storage volume can be reduced up to 50%. In flood prone areas, Thirsty Duck can utilize excess system volume to provide additional flood attenuation. In environmentally sensitive areas, Thirsty Duck can utilize excess system volume for additional pollution abatement. The TD series devices have also been used in utility (water/wastewater) applications.

Thirsty Duck, Ltd
Office: 727-376-2400
Website: www.thirsty-duck.com

January 11, 2012       City of Zephyrhills       Meeting info and speaker to follow.
March 14, 2012       City of Tampa         Meeting info and speaker to follow.

EQUIPMENT RODEO:
• We have appointed a committee to hold a Branch Rodeo as a precursor event for the Florida Chapter Annual Meeting Rodeo and also to have vendors get the opportunity to show off equipment for possible use by Local Governments.

EDUCATION AND TECH SESSIONS:
• The Branch has held a number of Technical Sessions since April, these sessions have received great attendance so far, and we hope to continue that:
  ◦ May 2011 – Recycling and the 75% State Goal – Hosted by the City of Clearwater
  ◦ June 2011 – Damage Prevention Training – Hosted by Sunshine State One Call (811)
  ◦ August 2011 – NIMS 100 & 700 Training for Public Works Employees – Hosted by the City of Largo

More information can be found in our Newsletter and E-Newsletter which are attached.

Respectfully Submitted,

Robert Nowak
District Representative

Chas Jordan
Branch Chairman
Inside this Issue:

- WeArePublicWorks.org
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- In Memory of Barry L. Miller
- Current Job Openings
- Click, Listen & Learn
- APWA Florida Chapter 2011 Annual Meeting and Trade Show
- Hydrogen on Demand
- Clearwater Recycling Technical Session
- West Coast Branch Meeting and Speaker Dates
- 2012 Florida Chapter Annual Meeting and Trade Show
- Call for Presentations
- What the %$*# is a Thirsty Duck?
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- Standing Committee Members
- APWA WCB Sponsors

Chairman’s Message

By Charles (Chas) Jordan
City of Largo
As we enter the Summer, the Branch can look back on the accomplishments of the past and the bright ideas we have for our future. In the past year, the West Coast Branch has again been recognized for its excellence in Branch Operations for many reasons. First is this outstanding newsletter that is made possible by our Secretary, Brandi Allegood and the folks at Reynolds, Smith and Hills, Inc. Secondly is our commitment to education through our sessions at Purcell’s Pavement plant in Largo, Florida and our trip to the Okeechobee Plant for Royal Concrete Concepts. Finally, we have finally put into force the Edward Burkett Scholarship Fund and the program to support it.

The next year comes with some incredible opportunities for growth in our Branch too. We are designing a bi-monthly technical session program to continue to provide you, our members, opportunities to learn and succeed in your host organizations. There will be events such as an Equipment Rodeo, so that we can involve our front-line personnel and have a little bit of fun and friendly competition. Finally, we want to make our meetings less about the business of the Branch and more about bringing our members together to learn and network. All of these programs are already being put in place and you will learn about them throughout this newsletter.

Our New District Representative: Robert Nowak

It is my pleasure to inform you that after the resignation of our sitting District Representative, Muhammad Abdur-Rahim, the Executive Committee appointed Robert Nowak, Past Chairman and Streets and Stormwater Manager in Largo, Florida, to serve the remainder of the term as District VI Representative. We all thank Muhammad for his service to the Branch not only this past year, but throughout his career, and we thank Bob for stepping in and serving in this very important capacity. Please extend congratulations and appreciation to these men.

2011 Florida Chapter Annual Meeting and Trade Show:

I have to say, if you were not at the Florida Chapter Annual Meeting and Trade Show in Daytona this past month, you missed an outstanding event. The Branch sincerely thanks the Steering Committee and the Central Florida Branch for their efforts, as well as the Officers and Corporate Events for their dedication to making the event a great success. I know that all of the individuals I spoke to had a great time, learned a lot, and looks forward to the Trade Show next year.

Check out our District Representative Annual Meeting report to read about all of the accolades our Branch received, and some of the highlights of this year’s show!

2012 Florida Chapter Annual Meeting and Trade Show (in Tampa):

The Branch has been selected to host the 2011 Florida Chapter Annual Meeting and Trade Show in Tampa in April. As the Branch Chairman, I will be working closely with our Florida Chapter President—
Elect (and former WCB Chairman) Chris Evers to put together resources to make the event a great success. Many of you remember the show that was hosted here in 2005 and how well this area can produce a quality conference, well we need that skill and ability, and your help, to get this to be even better this time around. We need members who have any experience in education, putting on a Rodeo, special events, and organizing volunteers. We also need volunteers to verify attendance at Tech Sessions, to assist at Registration, and to represent the Branch to the state. Please contact me at cjordan@largo.com and let me know if you are interested.

2011-2012 Membership Drive – The ONE MEMBER CAMPAIGN

This year, the West Coast Branch will be launching a Membership Drive that we need every member to participate in. It will be called the One Member Campaign. This campaign is to have all of our members seek out a fellow professional in your organization that you feel will benefit from the services that APWA provides, and tell them about the First Time Membership Rate.

APWA has done a great job of adding real value to the dues that each member pays each year to the organization, now it is up to us to let our fellow Public Works Professionals know about that value, and seek their assistance in making the organization better. I have requested marketing and membership materials from the National Office to make this campaign successful. If YOU know someone who should be an APWA Member, call me, and I can provide you the materials necessary to leave that person having no doubt of the value of a membership with our association.

Times have been tough on all of our companies, cities, counties, or districts, making the need for well-educated and high-capacity personnel is essential. APWA helps to provide that through their members. We need YOUR help to make this campaign a success.

I am greatly looking forward to this year as your Chairman, but more importantly for the growth of our Branch. Your officers are extremely energized and want to build our membership, and to benefit our members as well. If you have any ideas of how we can make the Branch more beneficial to you, please do not hesitate to contact one of us. Thank you again for your service!

Sincerely,
Charles R. “Chas” Jordan, MPA, LEED
GA
West Coast Branch Chairman
Management Analyst II -
City of Largo, Florida
cjordan@largo.com

APWA has gone Social! Social Networking that is...you need to join the newest service from the American Public Works Association, WeArePublicWorks.org, a networking site for you the Public Works Professional. You can communicate with colleagues, share ideas on service provisions, and get to know your fellow professionals from around the country. The West Coast Branch has a group on the site that you can join that shows pictures from events, news, and other information.

Click HERE for more information:

Not getting our E-Newsletter? Want to hear about the Branch’s upcoming Educational Programs? Want to be more involved and informed of what your APWA Branch is doing?

Then please visit apwa.net and login to the “Members Only” section to verify your e-mail address is correct. In the meantime, e-mail apwa.wcb.florida@gmail.com and let us know what e-mail address you would like us to contact you at.

Information for Retired APWA Members

Did you know that as a Retired Professional in APWA, you are afforded a discounted membership? Did you know that there are ways for Retired Professionals to stay involved in the Association at a National, Chapter, or Branch level? The West Coast Branch wants you (the Retired or soon-to-be Retired Professional) to know that these opportunities are out there and want you to stay involved! If you are a retired professional and would like more information on the discounted membership fee and how to become involved locally, please email us at apwa.wcb.florida@gmail.com.
In Memory of Barry L. Miller

September 4, 1942 - June 7, 2011

Barry Lee Miller, 68, passed on June 7, 2011. Born September 4, 1942, Barry was a lifelong Christian and a member at First Baptist Church of Dover. Barry was a very active member of the American Public Works Association (APWA), he served as a Past West Coast Branch President and the Past Florida Chapter President. He was also a member of the Masons, CMA, and served in the United States Navy. Barry will always be remembered for his good sense of humor and his willingness to be there for everyone who needed him. He was preceded by his wife, Terrie, and is survived by his five children, seven grandchildren, and his great-granddaughter.

In lieu of flowers, the family requested per Barry’s wishes that donations can be made to Moffitt Cancer Foundation, P.O. Box 550985, Tampa, FL 33655 in memory of Barry Miller, so that Terrie Miller continues to be remembered by pursuing the fight against cancer.

Current Job Opening

In and around the West Coast Branch - Provided by APWA Workzone

Public Works Director - Sebring, Florida
Salary Range: $58K - $68K
Job Description:
The City of Sebring located in Central Florida is seeking applicants for the position of Public Works Director.
This Department Head position is responsible for directing all activities of the Public Works Department: street construction and maintenance, sidewalks, stormwater systems, vehicle maintenance, cemeteries, facility maintenance and sanitation programs.
Visit www.mysebring.com for complete details.

Facilities Manager - Fort Lauderdale, Florida
Salary Range: $74K - $107K
Job Description:
Planning and directing the maintenance and repair of City facilities, buildings and structures; the operation, maintenance, and repair of street lighting; operations of centralized maintenance services; Community Service Program, airport maintenance, 11th Avenue Bridge, City Hall and garage security.
REQUIREMENTS - Bachelor’s Degree in architecture; mechanical, electrical or civil engineering; or other appropriate field.
Five years supervisory experience in the maintenance and repair of structures, equipment and systems involved in municipal facilities. Additional qualifying work experience may be substituted for college.
Apply online:  http://www.fortlauderdale.gov until 07/05/11.

Professional Engineer - Cape Coral, Florida
Job Description:
Under general supervision of a Division Manager or designated Supervisor manages and/or performs designs, cost estimates permitting, and preparation of technical specifications and administration for a variety of municipal projects. Maintains close liaison and interacts daily with design consultants, surveyors, engineers, city administration, architects, contractors and inspectors. Provides project management services for specific projects as assigned. Prepares time schedule, budget reports, technical specification, and drawings for a variety of municipal projects. Researches, analyzes and reports on utility functions including, but not limited to, regulatory compliance, system operations and interlocal agreements. Respond to inquiries from public, resolves problems and represents the City at public meetings as required. Directly supervises and/or provides guidance to staff as assigned within the scope of a specific project. Provides assistance to the designated manager in preparing the annual and five year budget. Performs related work as required.
Online application required.  Please visit http://www.capecoral.net for additional information and to apply.

Click, Listen & Learn

Jun 28, 2011 - REBROADCAST - Out of the Box Funding Options for Public Fleets - http://www2.apwa.net/events/eventdetail.asp?id=5291
Aug 4, 2011 - How To Train Your Fleet (Live) - http://www2.apwa.net/events/eventdetail.asp?id=5305
Aug 11, 2011 - How To Be FEMA Ready When Disaster Hits (Live) - http://www2.apwa.net/events/eventdetail.asp?id=5306

To see a list of all upcoming Click, Listen & Learn Programs go to:
http://www.apwa.net/Education/CLL/
APWA Florida Chapter 2011 Annual Meeting and Trade Show

By: Robert Nowak  
City of Largo, Florida  

Florida Chapter APWA held their annual meeting and trade show from April 18 - 22, 2011, at the Ocean Center in Daytona Beach, Florida. The event was well attended and had 126 vendors on the trade show floor. The conference had great technical sessions for professional engineers to field technicians and equipment operators. Some of the technical sessions included subjects such as LEED in the construction of a community building, BMPs and TMBLs for MS4 NPDES permits, and roadway preservation programs.

The equipment rodeo was held at the Ocean Center’s indoor arena where they held five different skills tests on equipment. Some of the tests included street sweeper operation on a competition laid course, backhoe operation using bucket teeth to lift the top of a safety pin and put it into the top of a safety cone hole while being timed, and a jet vac truck placing a basketball into several basketball hoops at different heights.

The keynote speaker for the opening session luncheon was Simon Bailey who spoke on identifying brilliant potential in people and/or organizations. Tuesday’s special event night had delicious barbecue and a great band. Derek and the Slammers played rock, country, reggae and swing in the bandshell on the beach overlooking the Atlantic Ocean.

On Thursday at the awards/scholarship luncheon, the West Coast Branch was recognized with many awards. Kudos to Charles “Chas” Jordan, Branch Chair, for receiving the Young Leader Award. The branch received the 2011 Presidential Award for branch excellence. This is the second year in a row that the branch received this. Let’s keep the streak going. The Consultant of the Year Award went to Reynolds, Smith and Hills. The Project of the Year - Structures, was the Largo Community Center. The Technical and Management Innovation Award went to the City of Pinellas Park, and the Administrative Management Award went to Mariana Llanso from Hillsborough County. All in all, this year’s conference was a great success, even with the down economy.

So get ready for next year’s conference which hopes to be even bigger and better at the Tampa Convention Center, Tampa, Florida, from April 2 - 6, 2012!
Hydrogen on Demand

By: Virgil Wasko, CPFP  
City of Largo, Florida

The current economic environment has everyone exploring ways to reduce fuel costs. I have looked at alternatives to traditional petroleum products. My focus has been on alternative technologies such as bio diesel, CNG, LPG, electric hybrids, electric cars, and hydraulic hybrids. The alternative technologies are interesting to study, they reduce carbon footprints and offer hope for the future. I have not been able to find an alternative vehicle that offers a reasonable return on investment (ROI) for the environment in which the City of Largo operates. One day my boss, Brian Usher, said he wanted to show me a video involving a technology I had not explored.

I was intrigued by the video about hydrogen on demand. In the video the City of Beloit, Wisconsin, Public Works Department turn water into fuel. Yes, water into fuel! The video made it clear that the hydrogen systems were in the experimental stage and not “grandma proof.” Brian told me he had been speaking with members of the Beloit staff and he had reason to believe substantial gains had been made since the video was placed on YouTube. I learned the University of Wisconsin (UW) was involved in the Beloit project. My interest turned to pure excitement when I was in formed I was going to be a member of the team the City of Largo planned on sending to Beloit to study the feasibility of using hydrogen on demand.

In Beloit the Largo team met, in a conference room setting, with three staff members to learn about their hydrogen on demand test program. We discovered that along with the hydrogen program they also experimented with using water methanol in a refuse truck. The water methanol project was scrapped when it was found the miles per gallon decreased on the test vehicle. Four vehicles were equipped with hydrogen on demand. They were a compact pickup truck, two 1 ton pickup trucks and a squad car. The four vehicles showed mileage increases ranging from 12% to 44%. There was no consistency. The fact that the inconsistency could not be explained is troubling. The ROI varied from 1.48 years to 9.63 years when fuel was $2.75 a gallon. The ROI will be reduced when higher fuel prices are taken into consideration. Only the cost of a hydrogen kit was considered in the ROI presented to us. The kits were purchased on the open market at a cost of approximately $2,400 each. Installation and maintenance cost would drive the ROI up considerably. The test unit in service the longest was installed two years ago. Other units failed in as little as two months.

Failures were due to electrolysis. Hydrogen on demand splits water into hydrogen and oxygen through electrolysis. The hydrogen is routed into the intake manifold to mix with gasoline and increase the efficiency of combustion, while reducing emissions. A cell with stainless steel plates is used as media for the electrolysis. The electrolysis causes the plates to corroded and deteriorate to the point of becoming useless. Premature failure caused Beloit to seek a relationship with the UW. The UW staff is working on developing a coating for the plates that will increase plate life. An additional benefit of coating is it creates a porous surface on the plates, giving more working area. This allows more hydrogen to be produced with less amperage. Less amperage means less heat in the cell, a good thing for longevity. As of the last week of April coated plates have only been tested in the lab. Proper testing will probably take years.

After our conference room meeting we moved into the shop for a demonstration. We watched a hydrogen cell on a bench, hooked up to a battery, produce hydrogen in a matter of seconds. The hydrogen was forced into water containing liquid detergent. This caused hydrogen to be captured in bubbles. Again, I stress hydrogen was made in seconds. When a flame was put to the bubbles a quick, loud, forceful explosion took place. The demonstration left no doubt that the hydrogen produced could be used to help fuel a vehicle. We were impressed!

Even though we found hydrogen technology to be interesting and we were impressed we believe it needs more time in development. It must be proven that a unit can last the life cycle of a vehicle. Across the board statistics are needed to backup ROI figures. Installation and maintenance figures need to be included in the ROI figures. Original equipment manufacturers (OEM) need to get involved because when hydrogen is introduced into an engine the computer sensors no longer find the petroleum mixtures they seek. The computer must be fooled and who better to do this than the manufacturer. OEM financing and engineering would also be helpful. Turning water into fuel will have its place in the future. For the time being hydrogen on demand can be added to the list of technologies that are not financially viable for the City of Largo. Conservation may be our best short term hope.

Clearwater Recycling Technical Session  
May 25, 2011
West Coast Branch Meeting and Speaker Dates

July 13, 2011  City of Lakeland - Cleveland Heights Golf Course  
Located at 2900 Buckingham Ave., Lakeland, FL 33803.  
Golf for $16 per person after the meeting.  
Guest speaker will be Chris Albright with Paveway Systems on STS Patterned Textured Pavement.

Sept. 14, 2011  City of Dunedin - Community Center  
Located at 1920 Pinehurst Road, Dunedin, FL. 34698.  
Golf after the meeting at The Dunedin Country Club.  
Guest speaker will be Barry McKeon with Hubbard Construction, Technical Manager on Full Depth Reclamation QC Plans.

Nov. 9, 2011  City of St. Petersburg - Sunken Gardens  
Located at 825 4th St N St. Petersburg Fl 33704.  
Golf at the City's Mangrove Bay Golf Course, 875 62nd Ave NE St. Petersburg Fl 33702, after the meeting.  
Guest speaker will be Bryan Fast of Thirsty Duck.  
Thirsty Duck Buoyant Flow Control Devices (BFD's) minimize detention storage volume by maximizing outflow rate. Depending on system hydrology and hydraulics, storage volume can be reduced up to 50%.  
In flood prone areas, Thirsty Duck can utilize excess system volume to provide additional flood attenuation.  
In environmentally sensitive areas, Thirsty Duck can utilize excess system volume for additional pollution abatement.  
The TD series devices have also been used in utility (water/wastewater) applications.

2012 Florida Chapter Annual Meeting and Trade Show

The 2012 Florida Chapter Annual Meeting and Trade Show will be held at the Tampa Convention Center on April 2-5, 2011.  
This is a great opportunity to show the Public Works Professionals in our state what is great about Tampa Bay! We have some of the best and most supportive vendors in the state, one of the greatest concentrations of membership, and a wealth of Public Works Projects to use as case studies for interesting educational opportunities.  
The 2012 Trade Show will hopefully be the biggest and the best but we need YOUR support to make it happen.

What we need from you:
• Vendor Contacts for Exhibiting and Sponsorships  
• Equipment Rodeo Judges and Participants  
• Technical Session Usher Volunteers  
• Technical Session Instructors  
• Registration Volunteers  
• Registration of YOUR employees

This event can only be a success with the assistance of our outstanding members. Please contact Chris Evers at cevers@ejbreneman.com or Chas Jordan at cjordan@largo.com if you are interested in helping! Either way see you at the Show in April!
Call for Presentations

APWA offers education and training for public works professionals via conferences, online web programs, and live workshops. Click on the buttons above for a description of the selection criteria, submission guidelines, and deadlines for each program.

- Tell your public works story – give us “how we did it” case studies and workable strategies for addressing regulatory mandates, aging infrastructure, tight budgets, security issues, new technologies and systems, leadership dilemmas and solutions.
- Get the recognition you deserve! Take advantage of this opportunity to share your expertise and the insights you’ve gained from your real-world experience.
- Encourage your employees to speak at APWA professional development events – challenge them to step forward and share their successes, ideas, and vision for the public works profession of tomorrow.

Submitting to speak at APWA conferences and web programs is easy! Click here for the APWA Online Call for Presentations Form.

APWA also offers live workshop training in these areas: Stormwater Management; Public Fleet Management, & Construction Inspection. If you have expertise in any of these areas and would like to put your name into consideration as an instructor, please send an email to education@apwa.net. Please include a bio that highlights your technical expertise and your experience as an instructor/speaker.

What the %$*# is a Thirsty Duck?!

By: Jeffrey S. Glenn, PE, D.WRE, CFM; Elizabeth M. Bartell, PE, CFM; of Reynolds, Smith and Hills, Inc. (RS&H) and Jon Moody, PE of Thirsty Duck, Ltd.

It is no secret that reducing the volume and area of stormwater management ponds can lead to lower construction costs; the secret is how to reduce pond sizes while still meeting the requirements of regulatory agencies. Stormwater ponds increase project costs. For commercial and residential sites, the larger the pond size the less area is available for revenue-producing businesses and houses. For roadway projects, the larger the pond size the more right-of-way needs to be acquired.

The purpose of stormwater ponds is to provide adequate storage to meet water quality and water quantity design criteria. An outlet control structure in the pond is used to attenuate peak discharges from the pond and typically includes an orifice and/or weir(s) to regulate the flow. These slots and orifices are designed and constructed at fixed elevations to satisfy the required treatment volume and regulate the discharge from the pond. While slots and weirs are adequate methods to attenuate peak discharge rates and volumes, they are limited in their effectiveness since they are constructed at constant elevations within the outlet control structure.

Thirsty Duck Buoyant Flow Control Devices were developed to address these limitations and minimize the amount of storage volume required by maximizing the outflow rate and volume. These devices operate on the constant head principle, which produces a constant discharge rate regardless of the depth of water in the pond. Thirsty Duck devices have been in use in Washington and other northwestern U.S. states since 2006 and have now been permitted and constructed for both public and private sector projects in Florida.

The Duck Gets More Bang for Your Buck

In Fall 2010, Thirsty Duck, Ltd. hired Reynolds, Smith and Hills, Inc. (RS&H) to conduct an analysis that would demonstrate the volume savings made possible by employing the use of Thirsty Duck Buoyant Flow Control Devices for stormwater management ponds in Florida. The team analyzed hydrologic and hydraulic models of three previously permitted ponds based on their geometry and performance with a standard outlet control structure and with a Thirsty Duck Buoyant Flow Control Device. By comparing the areas and volumes required for each pond, the analysis demonstrated the reductions in pond size made possible by utilizing a Thirsty Duck Buoyant Flow Control Device instead of a standard outlet control structure.

Thirsty Duck Products

RS&H began the analysis by selecting three previously permitted stormwater ponds designed by RS&H: Pond 1 is a wet detention pond in an open basin that is in the South Florida Water Management District (SFWMD); Pond 2 is a dry retention pond in a closed basin that is in the Southwest Florida Water Management District (SWFWMD); and Pond 3 is a wet detention pond in an open basin that is in the St. Johns River Water Management District (SJRWMD). Pond 3 was
Continued: What the %$*# is a Thirsty Duck?!

Two different analyses were performed: Analysis A and Analysis B. For Analysis A, the Thirsty Duck device was designed so that the new pond configuration would satisfy the permitted conditions of the original ponds. Analysis A documents the pond area and volume savings made possible by replacing the traditional outlet control structure with a Thirsty Duck device. For Analysis B, the Thirsty Duck device was designed so that the new pond configuration would satisfy the existing, or pre-development, conditions. Since the post-development peak discharge rates and discharge volumes of the ponds designed with a Thirsty Duck device are less than those of the existing conditions, Analysis B demonstrates the reduction in pond size made possible by replacing the traditional outlet control structure with a Thirsty Duck device, as well as the pond area and volume savings made possible by redesigning the pond to meet the existing, or pre-development, conditions. Please note, when reviewing the results for Analysis B, that it also includes this additional pond area and volume savings.

These results, shown in the following table, demonstrate the pond size reductions when utilizing a Thirsty Duck Buoyant Flow Control Device, as opposed to a traditional outlet control structure, while satisfying the requirements of regulatory agencies.

<table>
<thead>
<tr>
<th>Pond</th>
<th>Analysis A Pond Size Reduction</th>
<th>Analysis B Pond Size Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>28%</td>
<td>65%</td>
</tr>
<tr>
<td>2</td>
<td>40%</td>
<td>65%</td>
</tr>
<tr>
<td>3</td>
<td>N/A</td>
<td>33%</td>
</tr>
<tr>
<td>Average</td>
<td>37%</td>
<td>44%</td>
</tr>
</tbody>
</table>

Note: Analysis A was not completed for Pond 3 because this pond was designed to meet FDOT critical duration storm requirements under Chapter 14-85, F.A.C.

Based on these results, the Thirsty Duck Buoyant Flow Control Device could reduce the required pond size by an average of 37% while meeting the original pond’s design criteria and permitted conditions (Analysis A). Additionally, the Thirsty Duck Buoyant Flow Control Device could reduce the required pond size by an average of 44% while meeting the existing, or pre-development, conditions (Analysis B).

Don’t Let Flooding Ruffle Your Feathers

If an existing stormwater pond is experiencing flooding, then a Thirsty Duck device could also help alleviate this condition. One option is to leave the pond geometry unchanged and replace the traditional outlet control structure with a Thirsty Duck Buoyant Flow Control Device to reduce the peak stage within the pond. This application is commonly referred to as a retrofit. By maximizing the allowable peak discharge from the pond, as previously discussed, the Thirsty Duck devices can lower the peak stages in the pond if the size of the pond remains the same. A reduction in pond stage is possible with a Thirsty Duck device as long as the flooding is not caused by water from downstream, which is known as the tailwater, backing up through the outlet control structure and filling the pond.

Don’t Muddy the Waters

Thirsty Duck devices also provide an increase in the available water quality or treatment volume within an existing stormwater pond. Providing additional treatment volume can help meet Total Maximum Daily Load (TMDL) requirements and satisfy Impaired Waters regulations under Section 303(d) of the Clean Water Act. This can be accomplished by retrofitting a stormwater pond with a Thirsty Duck Buoyant Flow Control Device and maintaining the existing pond size and peak stages. By maximizing the allowable peak discharge from the pond, as previously discussed, the Thirsty Duck devices can provide additional volume in the pond that could be used for water quality or treatment if the pond size and peak stages remain unchanged.

RS&H’s analysis identified three beneficial applications of Thirsty Duck Buoyant Flow Control Devices in stormwater ponds, potentially leading to a change in how stormwater ponds are designed in Florida. The analysis showed that using a Thirsty Duck device in place of a traditional outlet...
control structure can reduce the required pond size, as well as construction and right-of-way costs; the reduction in size can also reduce recurring maintenance costs, such as mowing. Second, replacing a traditional outlet control structure with a Thirsty Duck device in an existing stormwater pond that has experienced flooding can also help alleviate the flooding condition. And lastly, retrofitting an existing stormwater pond with a Thirsty Duck device could provide additional treatment volume if the pond size and peak stages remain unchanged, ultimately enhancing the environment and helping to meet today’s strict water quality requirements.

For more information on the Thirsty Duck products, or to read the entire technical report completed by RS&H, please visit the Thirsty Duck website (http://www.thirsty-duck.com/).

About the Authors:

Jeffrey S. Glenn, PE, D.WRE, CFM and Elizabeth M. Bartell, PE, CFM are the Water Resources Group Leader and a Water Resources Engineer at RS&H, respectively. RS&H is a leading facilities and infrastructure consulting firm that provides water resources services in the areas of stormwater management; hydrologic and hydraulic modeling; analysis and design of drainage, water and wastewater systems; and environmental permitting. They may be reached at: Reynolds, Smith and Hills, Inc., 1000 Legion Place, Suite 800, Orlando, FL 32801, (407) 893-5800, Jeff.Glenn@RSandH.com and Elizabeth.Bartell@RSandH.com.

Jon Moody, PE has over 20 years experience in civil engineering and commercial land development. He is a registered professional engineer and is the inventor of the Thirsty Duck ER Series Buoyant Flow Control Devices (Adam Fulton, along with his business partner Jeff DebRuine, created the original Thirsty Duck device). He received a Bachelor of Science in Civil Engineering from the University of Florida in 1989 and is a member of the Florida Stormwater Association and the American Society of Civil Engineers Environment and Water Resources Institute. He is currently serving his second term on the Pasco County Planning Commission and is a principal of Thirsty Duck, Ltd. He may be reached at: Thirsty Duck, Ltd., 9400 River Crossing Blvd., Suite 102, New Port Richey, FL 34655, (727) 376-2400, JMoody@ThirstyDuckInc.com.
Kisinger Campo & Associates, Corp. (KCA) was founded in 1976 by Jack Campo to provide civil engineering design services. Within a year, former District 1 Structures and Facilities Engineer, Ed Burkett, joined the firm and KCA began expanding into one of the premier public service engineering firms, establishing a reputation as an industry leader in Bridge Maintenance and Inspection (BMI).

Within three years, KCA won the first ever Construction Engineering and Inspection (CEI) contract awarded by the Florida Department of Transportation (FDOT). Today, KCA and its subsidiary KCCS, have forged a position of preeminence in the BMI and CEI industries in Florida and throughout the Southeast.

KCA’s reputation for technical excellence extends throughout the firm, into our transportation, structures, stormwater, environmental and asset management groups. KCA has completed projects with budgets ranging from $5,000 to over $100 million dollars.

KCA continues to pioneer new solution-oriented services to address infrastructure design, assessment, management and maintenance. Development of creative, cost-effective solutions is founded in our interdisciplinary approach - integrating our significant expertise in engineering, construction administration and asset management with software development and GIS technologies.

KCA’s development of new technologies for data acquisition and management will continue to ensure that our governmental clients efficiently plan, design, construct and maintain their assets. KCA is constantly in the forefront of technology, keeping our clients equipped with the best available technology at the minimum cost.

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Cutler Repaving is North America’s largest and most experienced authority in single pass asphalt recycling.

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For more information please contact:

**Randy D. Shane**
Regional Manager S.E. Div.
Florida Highway Products Inc.
Cell: 863-287-5210
Fax: 407-566-4201
PINELLAS PUBLIC WORKS ACADEMY

P-Tech offers many great opportunities to learn about public works and the many facets of the work environment. Many courses are available in the technical specialties including maintenance of traffic. Check out the weblink below to see what might fit your training needs. You may also contact Rohland Bryant at the P-tech office if you have any questions.

Rohland Bryant
PH: 727-893-2500
http://www.publicworksacademy.org/index2.html

HILLSBOROUGH COUNTY PUBLIC WORKS ACADEMY

The Hillsborough Public Works Academy prepares individuals for employment in the public works sector. Interested individuals should contact Mr. Keith Causey at the Hillsborough County Brewster Technical Center in Tampa, Florida.

Keith Causey
PH: 813-276-5448
keith.causey@sdhc.k12.fl.us

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APWA West Coast Branch E-Newsletter - July 2011

Serving the Public Works Professionals of Citrus, Hernando, Hillsborough, Pasco, Pinellas, Polk, and Sumter Counties in Florida.

July 2011
Branch Meeting - Cleveland Heights Golf Course - Lakeland, FL - July 13, 2011
Guest Speaker: PAVEWAY SYSTEMS - Textured Pavement

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Branch Meetings - PLEASE RSVP IF YOU WANT TO ATTEND

Current Meeting Schedule – We will be meeting at 9:30 am on the second Wednesday of every other month as follows:

July 13, 2011
City of Lakeland
Cleveland Heights Golf Course (2900 Buckingham Ave. Lakeland, FL 33803)
Golf for $16 per person after the meeting.
Guest speaker will be Chris Albright with Paveway Systems on STS Patterned Textured Pavement.

September 14, 2011
City of Dunedin
Community Center (1920 Pinehurst Road, Dunedin, FL 34698)
Golf after the meeting at The Dunedin Country Club.
Guest speaker will be Barry McKeon with Hubbard Construction, Technical Manager on Full Depth Reclamation QC Plans.
November 9, 2011
City of St. Petersburg
Sunken Gardens (1825 4th St N, St. Petersburg, FL 33704)
Golf at the City's Mangrove Bay Golf Course (875 62nd Ave NE St. Petersburg Fl 33702) starting at 1:00 pm after the meeting.
Guest speaker will be Bryan Fast of Thirsty Duck on Thirsty Duck Flow Control Devices.

January 11, 2012
City of Zephyrhills
Meeting info and speaker to follow.

March 14, 2012
City of Tampa
Meeting info and speaker to follow.

Chairman's Message (Chas Jordan, City of Largo):

Hello APWA West Coast Branch Member,

June has been a very quick month for me, and it feels like it has been for the Branch. I want to thank Brian Dean from Sunshine State One Call and Tom Nicholls the Public Works Administrator from Pinellas Park, Florida for putting on and hosting the June Technical Session on Damage Prevention. This tech session had more than 30 attendees and all received great information on the rules set out for utility location. Thank you Brian and Tom!

Many of our members are beginning to receive their appointments for various functions at the National and State Level. I would like any of you who has received an appointment to a National or Chapter committee to please let me know. I would like to showcase our leadership in the next E-Newsletter.

The Florida Chapter will begin its Strategic Planning process at the next Executive Committee meeting at Sanibel Island. If you have any specific points you think need to be brought up, please email myself (cjordan@largo.com) and Bob Nowak, our District Representative (mowak@largo.com) and let us know!

Finally, I want to remind everyone that we currently have a number of Committee positions opened and two seats vacant on the Branch Executive Committee. If you are at all interested in becoming a leader in the Profession, please let me know!

The Executive Committee hopes you will join us on July 13th in Lakeland for our West Coast Branch Meeting with our special guest speaker Chris Albright from Paveway Systems. It looks like it will be a great event and we hope to accomplish a lot. Don't forget to bring your clubs! After the meeting there will a little golf to fellowship with your fellow members.

I wish all of you the best of luck as we enter the final months of our budget seasons and I hope to see you at a West Coast Branch meeting or event soon!

Sincerely,
Charles R. "Chas" Jordan, MPA, LEED GA
West Coast Branch Chairman
Management Analyst II - City of Largo, Florida
 cjordan@largo.com

2012 Florida Chapter Annual Meeting and Trade Show
The 2012 Florida Chapter Annual Meeting and Trade Show will be held at the Tampa Convention Center on April 2-5, 2011. This is a great opportunity to show the Public Works Professionals in our state what is great about Tampa Bay! We have some of the best and most supportive vendors in the state, one of the greatest concentrations of membership, and a wealth of Public Works Projects to use as case studies for interesting educational opportunities. The 2012 Trade Show will hopefully be the biggest and the best but we need YOUR support to make it happen.

**What we need from you:**
- Vendor Contacts for Exhibiting and Sponsorships
- Equipment Rodeo Judges and Participants
- Technical Session Usher Volunteers
- Technical Session Instructors
- Registration Volunteers
- Registration of YOUR employees

This event can only be a success with the assistance of our outstanding members. Please contact Chris Evers at cevers@ejbreneman.com or Chas Jordan at cjordan@largo.com if you are interested in helping! Either way see you at the Show in April!

**Call for Nominations for 2011-2012 West Coast Branch Committee Appointments**

If you know of someone who would be interested in serving on one of the following committees for the 2011-2012 Program Year, or you yourself would be interested in getting more involved with the West Coast Branch, please contact apwa.wcb.florida@gmail.com.

The West Coast Branch Committees are:
- Technical Sessions / Educational Programming
- Branch Annual Meeting and Banquet
- Awards
- Sponsorship / Vendor Relations
- Golf Tournament
- Historical
- Membership
- Newsletter
- Nominating
- Public Works Academy
- Scholarships
- Finance & Investments
- Association Alliance (Governmental Relations)
- Audit

If you are interested in serving, or even in leading one of these committees, please email apwa.wcb.florida@gmail.com with the following information:

- Name
- Agency / Organization
- Phone Number
- Email Address
- Name of Committee You Wish to Serve On

**Contact Information for Members**

The West Coast Branch appreciates the benefits that technology and electronic mail provide. We will be providing electronic communications such as this, event information, and our quarterly newsletters through email. Unfortunately, a few of our members currently do not have an email listed with APWA. If you have a coworker who you know to be a member of APWA and our Branch but who does not receive our emails, please forward them this newsletter and let them know they can update their email address through the "Members Only" section of www.apwa.net. They should also email apwa.wcb.florida@gmail.com so that their email address can be utilized immediately.
Upcoming Programs Offered through the pTEC Public Works Academy

Click Here for Information on the 2011-2012 Programs of the pTEC Public Works Academy

For more information please contact Rohland Bryant at: bryantro@pcsb.org or go to: http://www.publicworksacademy.org

Summer Newsletter

The Summer issue of the West Coast Branch Newsletter has been published! Special thanks to Brandi Allegood and Carolyn Steves at Reynolds, Smith and Hills, Inc. (RS&H) for compiling the information, formatting, and publishing it!

You can view the newsletter here: https://docs.google.com/viewer?a=v&pid=explorer&chrome=true&srcid=OB0cNHEM2MFIvZDM4MjJwYjktNzkrMj00MzVLWt4QjQ5OTQ3ZCtwZGRhZDNi&hl=en_US

Remember to print it out and show it to the members in your organization!

Current Job Openings
In and around the West Coast Branch - Provided by APWA Workzone

Asst. Public Works Director Operations - City of Coral Gables, FL - $76,398.40 - $104,894.40
The City of Coral Gables, The City Beautiful, a progressive, international, coastal and historic City, is seeking a highly qualified professional who is inspired by interesting challenges of an established, but dynamic community for the position of Assistant Public Works Director for Operations. The City has a population of 46,780 residents, has a vibrant downtown district and is home to the University of Miami. It is proud to be ranked by Forbes.com ninth, out of America’s Top 25 Towns to Live Well and America’s sixth most successful walkable suburb by the Wall Street Journal.

The ideal candidate will assist the Public Works Director with managing the City’s sanitary sewer system, storm water system; maintenance of streets, waterways and City facilities. The candidate must be able to think strategically and exercise considerable initiative and independent judgment.

Qualifications: Candidates interested in applying must have a Bachelor’s Degree in civil engineering, architecture, construction management or closely related discipline from an accredited four year institution. Advanced degree preferred. A minimum of seven years responsible and relevant experience in local government with considerable senior management level experience. Professional engineering license preferred.

Benefits package includes: Vehicle allowance of $225 per month, medical, dental, and life insurance, retirement plan, leave allowances, and more.

Deadline: Open until filled.

To ensure consideration for this position, interested candidates should forward resume, cover letter, and five references immediately, via email, to HRD@coralgables.com or fax to 305-460-5518.

The City of Coral Gables is an Equal Opportunity Employer/Drug Free Workplace.
http://www2.apwa.net/Workzone/jobDetails.asp?TABLE_ID=8909

Assistant Public Services Director - City of Lake Worth, Florida - $54,200 - $92,100

This is a managerial and professional level position reporting to, and assisting the Director of Public Services execute the approved charter for the Public Services Division. In this role the primary responsibilities of Assistant Public Services Director are to coordinate the City's engineering needs with the outside Engineer of record and to serve as the Project Manager on assigned projects. The position assist the Director of Public Services in the administration and operation of all facets of the department.

Essential duties: Inspecting construction projects for compliance with with approved plans, specifications, facilitating, advising and consulting with the Planning and Zoning Board concerning permit applications and design. Responsible for development and administration of the City’s engineering programs storm drains, bulkheads, streets, buildings, city boat ramps and other public areas.

A successful applicant will have a Bachelor’s degree in Urban Planning, Community Development, or Civil Engineering as preferred areas of concentration.

Prior experience in Public Services of at least five (5) years and four (4) years in management. Certifications in Storm Water and NPDES are preferred or the ability to acquire them within six (6) months a key provision. A valid driver’s license is required along with satisfactory completion of a background check and pre-employment screening including physical exam with drug screen.

http://www2.apwa.net/Workzone/jobDetails.asp?TABLE_ID=8908

Engineer II, III, IV - City of Largo, Florida - $49,982.40 - $91,166.40

The City of Largo is seeking a dynamic individual to function as an Engineer. Requires a Bachelor's Degree in Engineering and Valid State of Florida EIT Certificate with minimum two years experience in public works engineering and construction administration. Requires ability to develop working contract plans and specifications, and to coordinate complex engineering projects from inception to construction.

To apply, please complete an online application at www.largo.com or contact Toral Patel at tpatel@largo.com. Only online applications on our website will be considered.

M/F/D/V-VP SMOKE FREE/DRUG FREE WORKPLACE
http://www2.apwa.net/Workzone/jobDetails.asp?TABLE_ID=8904

Industrial Waste Monitoring Technician - City of Leesburg, Florida - $10.00 - $10.00 Hourly

Qualifications:
Currently pursuing a degree in Chemistry or Biology or a directly related discipline. Must have completed general chemistry and organic chemistry coursework, including laboratory. Basic knowledge of water and wastewater activities preferred, but not required. Strong recordkeeping and computer skills required. Requires a valid driver’s license.

Duties:
Routine wastewater analysis for DEP monitoring requirements. This includes such analyses as CBOD, TSS, ph, nitrogen, ammonia and organic nitrogen, total and ortho-phosphorus, and others as needed.
http://www2.apwa.net/Workzone/jobDetails.asp?TABLE_ID=8996

City Engineer - City of Miami Beach, Florida - $90,465.10 - $146,396.90
Highly responsible position for developing and supervising professional level work of considerable difficulty in coordinating all City engineering activities. Responsibilities include: administrative duties associated with budget, employee administration, routine administrative programs and planning, developing and directing major programs and projects of the Engineering Division.
For more information, requirements, and to apply: http://web.miamibeachfl.gov/hr/jobs.aspx
http://www2.apwa.net/Workzone/jobDetails.asp?TABLE_ID=8877

Director of Public Works - City of Parkland, Florida -
The City of Parkland seeks a Director of Public Works. This position directs, plans, and manages the parks maintenance, landscape maintenance, irrigation, streets, stormwater, facilities, fleet, capital projects, engineering, and other operations of the City. For more information visit City of Parkland.
Applicants may also submit completed application, cover letter and resume to Iferrer@cityofparkland.org
http://www2.apwa.net/Workzone/jobDetails.asp?TABLE_ID=8968

Public Works Director - City of Sebring, Florida - $58,000 - $68,000
The City of Sebring located in Central Florida is seeking applicants for the position of Public Works Director. This Department Head position is responsible for directing all activities of the Public Works Department: street construction and maintenance, sidewalks, stormwater systems, vehicle maintenance, cemeteries, facility maintenance and sanitation programs.
Visit www.mysebring.com for complete details.
http://www2.apwa.net/Workzone/jobDetails.asp?TABLE_ID=8840

Facilities Manager - City of Fort Lauderdale, Florida - $74,401.60 - $107,806.40
Planning and directing the maintenance and repair of City facilities, buildings and structures; the operation, maintenance, and repair of street lighting; operations of centralized maintenance services; Community Service Program, airport maintenance, 11th Avenue Bridge, City Hall and garage security.
REQUIREMENTS
Bachelor’s Degree in architecture; mechanical, electrical or civil engineering; or other appropriate field.
Five years supervisory experience in the maintenance and repair of structures, equipment and systems involved in municipal facilities. Additional qualifying work experience may be substituted for college.
Apply online: http://www.fortlauderdale.gov until 07/05/11.
http://www2.apwa.net/Workzone/jobDetails.asp?TABLE_ID=8825

Professional Engineer I-IV - City of Cape Coral, Florida -
Under general supervision of a Division Manager or designated Supervisor manages and/or performs designs, cost estimates permitting, and preparation of technical specifications and administration for a variety of municipal projects. Maintains close liaison and interacts daily with design consultants, surveyors, engineers, city administration, architects, contractors and inspectors. Provides project management services for specific projects as assigned. Prepares time schedule, budget reports, technical specification, and drawings for a variety of municipal projects. Researches, analyzes and reports on utility functions including, but not limited to, regulatory compliance, system operations and interlocal agreements. Respond to inquiries from public, resolves problems and represents the City at public meetings as required. Directly supervises and/or provides guidance to staff as assigned within the scope of a specific project. Provides assistance to the designated manager in preparing the annual and five year budget.
Performs related work as required.
Individual(s) assigned to this classification must report to work per their assigned schedule.
Online application required. Please visit http://www.capecoral.net for additional information and to apply.
http://www2.apwa.net/Workzone/jobDetails.asp?TABLE_ID=8746

Upcoming Educational Opportunities through APWA

Click, Listen, and Learn Programs:

July 26, 2011 - Solar Strategies for Public Works (Rebroadcast) - http://www2.apwa.net/events/eventdetail.asp?ID=5320
August 2, 2011 - MUTCD Changes Every Local Agency Needs To Know (Rebroadcast) - http://www2.apwa.net/events/eventdetail.asp?ID=5321
August 4, 2011 - How To Train Your Fleet (Live) - http://www2.apwa.net/events/eventdetail.asp?ID=5305
August 11, 2011 - How To Be FEMA Ready When Disaster Hits (Live) - http://www2.apwa.net/events/eventdetail.asp?ID=5306

For more Educational Opportunities, Click Here: http://www2.apwa.net/Education/
2011 West Coast Branch Sponsors

Diamond Sponsor:

Platinum Sponsors:

Gold Sponsor:

Silver Sponsors:

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2010-2011 Officers Contact Information

Chairperson - Charles "Chas" Jordan (City of Largo) - (727) 587-6740 x4302 - cjordan@largo.com
Vice Chairperson - Randy Shane (Roadway Management) - (863) 287-5210 - rshane@roadwaymanagement.com
Treasurer - Sala Garbaj (Hillsborough County) - (813) 635-5496 - garbajs@hillsboroughcounty.org
Secretary - Brandi Allegood (RS&H) - (813) 289-5550 x2685 - brandi.allegood@rsandh.com
District Representative - Robert Nowak (City of Largo) - (727) 587-6718 - rnowak@largo.com

Florida Chapter President-Elect - Chris Evers (E.J. Breneman, L.P.) - (813) 377-1157 - cevers@ejbreneman.com

West Coast Branch Event Pictures - http://picasaweb.google.com/apwa.wcb.florida or http://picasaweb.google.com/apwa.wcb.florida1

APWA Florida Chapter
West Coast Branch
Executive Committee