

**Volume 37, Number 1**

**January 2013**

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**UPCOMING EVENTS**



**The Importance of Planning and Design in Utility Damage Prevention**

January 15<sup>th</sup>, 2013, 8:00 AM - 10:00 AM  
 Burns & McDonnell

See page 15 for details.

**PACE AWARD  
 RECIPIENT  
 FOR 16  
 CONSECUTIVE  
 YEARS!**



**“A Public Works Delegation to Russia”**

By Larry Frevert, PE, PWLF

January 16<sup>th</sup>, 2013  
 Bacchanalia - Overland Park, Kansas  
 \*Bring your donation for Harvesters!

See page 16 for details.

1997	2005
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1999	2007
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2000	2008
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2001	2009
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2002	2010
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2004	AND...



**2013 APWA Awards**

It's awards time...get your submissions ready!

See page 17 for details.

**2013 Board of Directors**

List of board members and introduction to one of the two new members to the board - Jason Meyers

See page 24 for details.

**2012!**

**CALL FOR VOUNTEERS!**  
 2013 Future Cities Competition Judges Needed  
 Contact Tim Ross @ [tross@gbateam.com](mailto:tross@gbateam.com) for more information

# PRESIDENT'S PERSPECTIVE

FROM BOB MILLER

Happy 2013 to the Kansas City Metro Chapter! I hope you all enjoyed the Holiday season and are ready to bring in a new year. Let me begin by thanking Past President Dena Mezger for her chapter leadership in 2012. I would also like to thank all of the Committee Chairs and committee members for their efforts which make our chapter what it is. Rob Krewson has served on the Executive Committee the past two years and his input will be missed in 2013. Thank you Rob for your commitment to the chapter.



2013 is the final year of our three-year strategic plan and we are well on our way to full implementation. Five of the six goals have been turned over to applicable committees to tweak, develop, implement, and maintain. We are still working on the mentoring goal and are looking at ways to include the mentoring component of the Donald C. Stone certification program with chapter goals. Stay tuned...

As great as our chapter is and with all of the good deeds we do, I would like to challenge all of you to engage more of our existing chapter members (and also recruit new members). We are a smooth running chapter, but we also have a lot of untapped resources within our existing chapter membership. Let's seek them out and get them involved in 2013. The November issue of the Pub News listed several committees looking for new members. You can also contact me (913.208.8213) or any of the other Executive Committee members and we will help find opportunities.

The Public Works Institute (PWI) is a classic example of an opportunity for everyone in our chapter. The PWI offers great rewards by participating as a speaker, attendee, or recruiter. We are looking to expand our bullpen of instructors for the 2013 classes tentatively planned for April and October. Let Larry Frevert or I know if you are interested.

Another focus for 2013 will be our Standards and Specifications. Dena has agreed to chair the Specification Committee in 2013 and we look to develop a schedule and plan for getting these updated. Let us know if you would like to be part of this committee.

Thank you for the opportunity and I look forward to serving as your Chapter President. Let's have an even greater year in 2013. Have fun, get involved, and learn from the other Chapter members.

## DELEGATE DETAILS

FROM JOE JOHNSON

As the year comes to a close and a new one begins I want to take this opportunity to thank all those that volunteer their time to the Chapter. I want to encourage all members to look at the many committees within the Chapter and pick one that interests you and volunteer your time. You will not regret it.



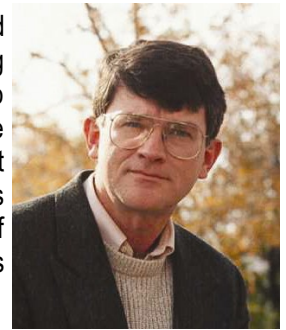
As we start 2013, APWA National will be posting Committee positions for the upcoming year. All available committees, councils and task force positions that will be appointed in 2013-2014 will be posted the first part of January. If you have any questions you can contact Cindy Long at [clong@apwa.net](mailto:clong@apwa.net) or (816) 595-5220. You can also log onto National's web site at [www.apwa.net](http://www.apwa.net) and click on the link "Be Involved" at the top of the page. If you are interested in being involved at the National Level, I encourage you to check this out.

National is also finalizing plans for several of its conferences this year.

1. 2013 Snow Conference at the Charlotte Convention Center, Charlotte, North Carolina, April 7<sup>th</sup> – 10<sup>th</sup>.
2. 2013 Sustainability Conference in San Diego, California, May 13<sup>th</sup> - 15<sup>th</sup>. For information go to [www.apwa.net/sustainability](http://www.apwa.net/sustainability).
3. 2013 APWA National Congress in Chicago, Illinois, August 25<sup>th</sup> -28<sup>th</sup>.

If you are interested in any of these you can go online at [www.apwa.net](http://www.apwa.net) to check out the conference and register.

On a regional level, Chuck Williams and I will work to attend many of our neighboring Chapter's spring and fall conferences. This gives us the opportunity to see what other Chapters are doing at the same time updating them on what the Metro Chapter is doing. Chuck and I will also attend the two delegate meetings.



During 2013, Overland Park will be preparing for our 2014 re-accreditation visit. This will be our second re-accreditation, and our third attempt at showing the APWA group how we do business. We're also working with KDOT to maintain our ability to administer federal aid projects directly. This also requires us to demonstrate a process that complies with a long list of complex requirements. I'm old enough that I hear the phrases "transition plan" and "institutional knowledge" often. In all cases, we rely on documentation that we've stored in several MediaWiki powered Wiki websites. This is the same software that powers <http://Wikipedia.org>. Wiki is the Hawaiian word for "quick" and, like the name implies, Wikis provide a set of tools that allow users to quickly assemble web content. Wikis are a very good tool for documenting processes and for capturing institutional knowledge.

Wikis are non-linear, dynamic, and interactive knowledge management databases. They require a responsive web server and need to have a reasonably powerful server computer to handle the loads imposed by the system. The [Wikipedia](#) is arguably the largest body of information ever assembled, and currently it gets 25,000 to 60,000 page requests per second. If you look at your Google search results, a Wikipedia page is almost always listed somewhere within the first page of results on nearly all searches. [It runs on 344 servers](#) worldwide, but as late as 2004 it was powered by a single server. Wikipedia is powered by MediaWiki software running on Linux servers. In Overland Park, we run [MediaWiki](#) on virtual [Debian](#) Linux servers and use the [MySQL database software](#). A single server is more than powerful enough for our needs and probably yours as well. Our largest Wiki has a little less than [1,000](#) content pages where the English Wikipedia has [4,130,000](#) (as of this writing). Where we have 51 registered users, Wikipedia has over 18 million.

The beauty of Wikis is that they allow anyone with an account to edit the content with nothing more than a standard web browser. Most people are cautious about allowing just anyone to edit content, but with MediaWiki, all changes are stored in a history that shows when and who made any changes, what those changes were, and that allow the administrator to restore pages to earlier versions. In Overland Park, where we've used Wikis for years and any employee can create an account and edit content, we've never had a problem with rogue editors or vandalism to our Wikis. Not once. Period. Our public facing Wikis such as <http://ppm.opkansas.org> require administrative approval for edit rights, and thus has far fewer users, but in general, being more open and making it easy for users to edit content is beneficial. The adage "two heads are better than one" is especially true with collaborative Wiki databases.

Wikis allow computer searches to find content. MediaWiki comes with a search engine. At Overland Park, we installed and configured the [Sphinx search engine](#) to make the results appear more like a Google search. We also installed the sphinx search extension from a long list of available extensions to the stock MediaWiki software.

MediaWiki uses a [markup language](#) to define content. This language is much simpler than the hypertext markup language (HTML) used to define web content. In particular, it allows the user to create hyperlinks to other pages by enclosing the page name in square brackets "[[page name]]". If the page doesn't exist, wikilinks are colored red and the MediaWiki software allows you to create it when you click on one of the red links. Links improve the effectiveness of documentation. Novels are best when read from start to finish; just about all other documentation benefits from links that allow the user to jump from topic to topic.

MediaWiki has a number of tools that help in organizing content. All pages can be defined within one or more categories. MediaWiki creates special category pages that display all pages within a category, including media files. *Figure 1* is a screenshot of the fleet category on our accreditation Wiki. This page was automatically created by the software.

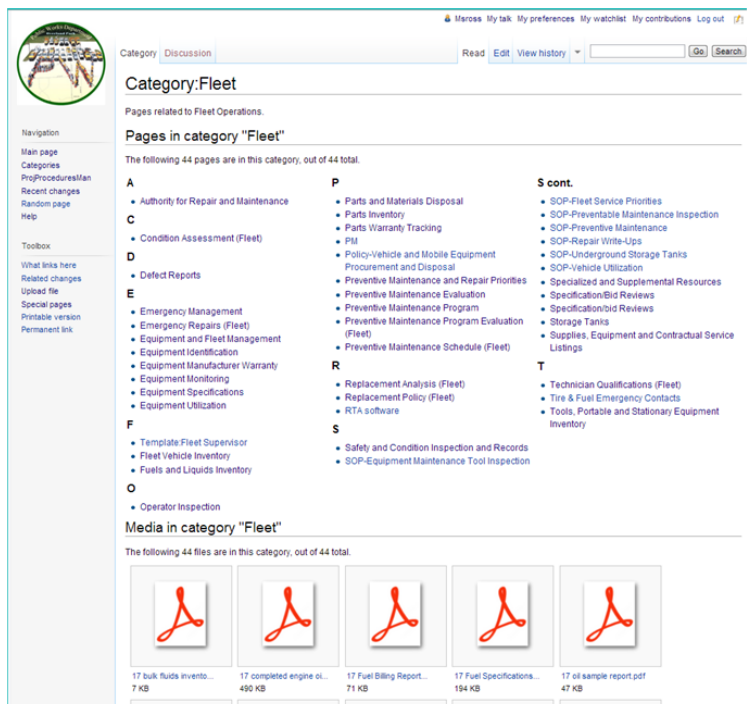


Figure 1

## Techno Minute, Continued from Page 3

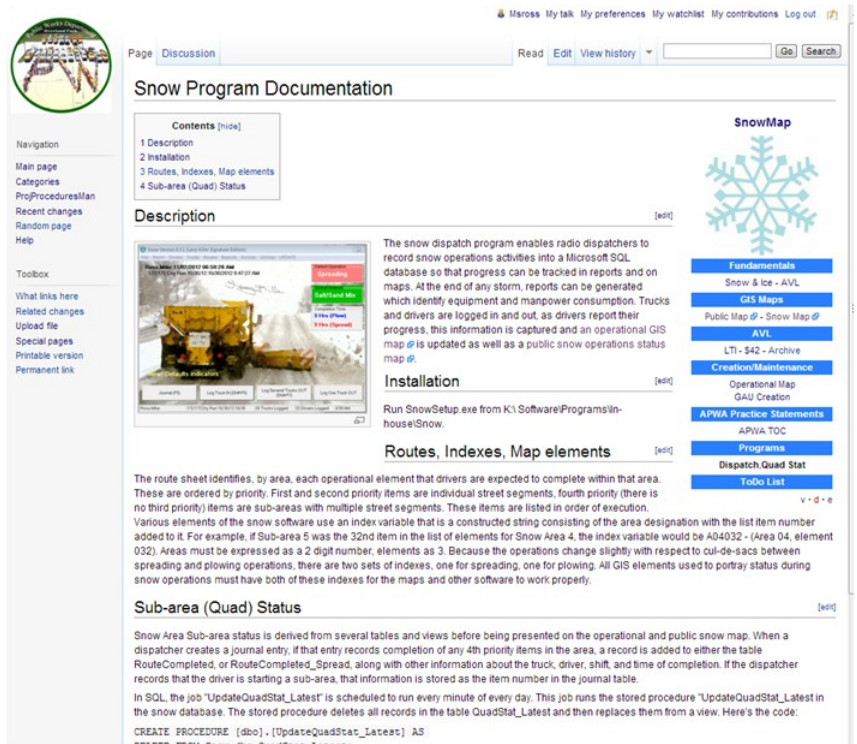
One very nice feature in MediaWiki is the ability to create and reuse “templates.” Templates allow you to create similar content on multiple pages and accept variables. Within the APWA accreditation, there are many practice statements that don’t apply to Overland Park. For example, we don’t do sanitary sewers or water supply. We’ve organized our accreditation wiki so that each practice statement has its own page. APWA devotes an entire chapter to wastewater collection, and has identified 16 practices that need to be documented. In our case, each practice statement uses the same paragraph indicating that this area is handled by others. We wrote a standard template with this language and then included that template on each practice statement page in our Wiki. Should we wish to update our statement, by changing the template, we also will change each of the pages that use it.

MediaWiki gives you the ability to use a variety of media. We utilize Microsoft Office documents, Adobe Acrobat files and pictures in JPG or PNG formats, and could use many more. Each file is given its own Wiki page from which you can describe the file. Once a page is created, you can upload newer versions of the file. Each older version appears in a history list where you can review how the file has changed over time. We have many exhibits in our Projects Procedures Manual, some are used on several pages. This mechanism allows us to manage these exhibits and retain a complete history of them.

Another benefit to MediaWiki is that you can copy templates and other formatting tricks from the Wikipedia. *Figure 2* shows a page on our Wiki that has a programmable “Infobox” template – the section that includes the snowflake – that provides a set of related links to other content about our snow operations mapping software. This is one example of learning how to present content from Wikipedia. If you like what you see on the Wikipedia or any other MediaWiki site, click on the “View Source” tab to see how the page was constructed, copy the source, add any necessary extensions, and then enjoy the results.

You may be asking “so how much does all of this cost?” There’s the server operating system software, the web server software, the enterprise database software, the Wiki software, and if you add a new search engine, the search engine software. In Overland Park, where we have three Wikis on three servers our total software cost was \$0.00. All of this software is free for the download – and because MediaWiki is popular, there is a lot of user contributed documentation that fills gaps in what is already good quality documentation. All of the software is open source, meaning you can download the original source code (in C or PHP), and all of the software (based on my experience) is high-performance and very, very solid. It’s Linux based, which can be challenging for folks versed in Microsoft Windows, but there is a very large support community for Linux users. Apache web servers are the dominant platform on the Internet, and most of these are running on a Linux server. It’s free, it works, and it’s reliable.

Consider this my Christmas gift to you. Having confessed that it was free, remember that it’s the thought that counts.



The screenshot shows a MediaWiki page titled "Snow Program Documentation". The page has a navigation sidebar on the left with links like "Main page", "Categories", and "Recent changes". The main content area includes a "Contents" table of contents, a "Description" section with a snowflake icon, and a "Sub-area (Quad) Status" section. The "Description" section contains a screenshot of a software interface and text explaining the snow dispatch program. The "Sub-area (Quad) Status" section contains a detailed explanation of the status derivation and a SQL code snippet.

**Contents** [hide]

- 1 Description
- 2 Installation
- 3 Routes, Indexes, Map elements
- 4 Sub-area (Quad) Status

**Description** [edit]

The snow dispatch program enables radio dispatchers to record snow operations activities into a Microsoft SQL database so that progress can be tracked in reports and on maps. At the end of any storm, reports can be generated which identify equipment and manpower consumption. Trucks and drivers are logged in and out, as drivers report their progress, this information is captured and an operational GIS map is updated as well as a public snow operations status map.

**Installation** [edit]

Run SnowSetup.exe from K:\Software\Programs\In-house\Snow.

**Routes, Indexes, Map elements** [edit]

The route sheet identifies, by area, each operational element that drivers are expected to complete within that area. These are ordered by priority. First and second priority items are individual street segments, fourth priority (there is no third priority) items are sub-areas with multiple street segments. These items are listed in order of execution. Various elements of the snow software use an index variable that is a constructed string consisting of the area designation with the list item number added to it. For example, if Sub-area 5 was the 32nd item in the list of elements for Snow Area 4, the index variable would be A04B32 - (Area 04, element 032). Areas must be expressed as a 2 digit number, elements as 3. Because the operations change slightly with respect to cut-de-sacs between spreading and plowing operations, there are two sets of indexes, one for spreading, one for plowing. All GIS elements used to portray status during snow operations must have both of these indexes for the maps and other software to work properly.

**Sub-area (Quad) Status** [edit]

Snow Area Sub-area status is derived from several tables and views before being presented on the operational and public snow map. When a dispatcher creates a journal entry, if that entry records completion of any 4th priority items in the area, a record is added to either the table RoutesCompleted, or RoutesCompleted\_Spread, along with other information about the truck, driver, shift, and time of completion. If the dispatcher records that the driver is starting a sub-area, that information is stored as the item number in the journal table.

In SQL, the job "UpdateQuadStat\_Latest" is scheduled to run every minute of every day. This job runs the stored procedure "UpdateQuadStat\_Latest" in the snow database. The stored procedure deletes all records in the table QuadStat\_Latest and then replaces them from a view. Here's the code:

```
CREATE PROCEDURE [dbo].[UpdateQuadStat_Latest] AS
TRUNC FROM Snow.dbo.QuadStat_Latest;
```

Figure 2

## Engineering Solutions for Today's Road Maintenance Challenges

Submitted by: Theodore Bunevich, UNIQUE Paving Materials Corp.®

Several materials and methods are available to address road repairs. UNIQUE UPM® Permanent Pavement Repair Material is a permanent solution to what has been historically viewed as a necessary evil - repairing potholes with temporary, "band-aid" conventional cold patch products.

The three main costs for pothole repair are material, labor, and equipment. According to the Federal Highway Administration's Long Term Pavement Performance (LTPP) study, an update of the Strategic Highway Research Program (SHRP) encompassing 5 years of additional research on pothole repair, cost of materials is one of "the least significant contributors to the overall cost of a patching operation." Higher quality, more expensive materials that are placed with less effort and last longer can "reduce the cost of the initial patching effort, as well as the amount of re-patching needed." This reduces the labor and equipment costs for the overall operation.

The added costs of equipment, labor, safety, traffic control, traffic flow maintenance and user delay costs must all be considered in addition to the cost of material used for pothole repair. By using materials engineered to deliver high performance and long survivability, most of these costs associated with pothole repairs are spent the first time only, and repair efforts can be extended to a greater number of repairs within any given time period or jurisdiction.

Many maintenance agencies use a *throw-and-go* method for repairing potholes, in which material is shoveled into holes and left, with the expectation that traffic will compact material sufficiently. However, numerous studies confirm this method contributes to high failure rates, and will require frequent re-repairing of the area by the repair crew, further inconveniencing the traveling public, exposing crews to repeated risk, and wastefully spending valuable agency funds on redundant repairs.



**Worker safety, traffic control, equipment, and labor are the most significant costs of repairing potholes.**

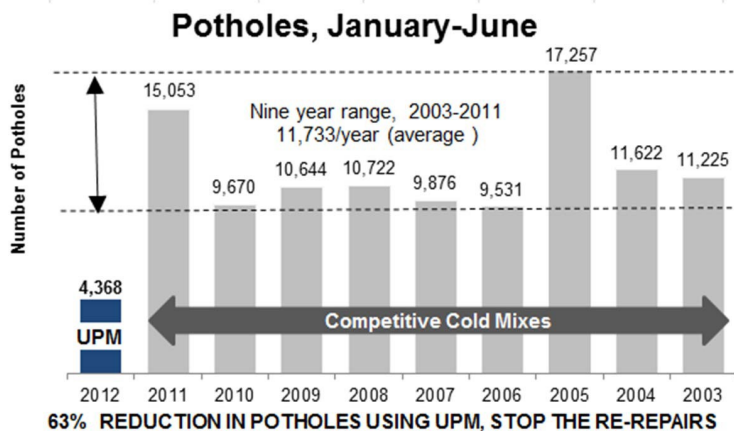
Repair survivability is dramatically improved by using a *throw-and-roll* method, which simply adds compaction to the material installed by rolling the truck tires over the patch. The LTPP study states, "With a high-quality material, the throw-and-roll procedure provides a cost-effective means of patching," and, "it is extremely important that a high-quality material be used and that it be compacted by the truck." Further, the study reiterates, "patches placed with this method can provide satisfactory results when high quality materials are used." UNIQUE's UPM was cited as being a control product for these studies referenced above.

Recently, the City of Lexington, KY undertook a controlled study to improve their process for pothole repair and asphalt maintenance. UPM, along with two other commercial products identified as "high-quality," were compared in a six-month field trial and evaluation through June 2012. Continuing observations will be made for the next year. The city determined that despite its higher cost than conventional cold mix, using UPM effected a 63% reduction in repairs, as compared to their previous annual average because of a material that "goes in the hole once and stays there." (Case-study available on request from UNIQUE.)



**The throw-and-roll method of pothole repairing, in which installed material is compacted by use of the truck, is cost-effective when using a high quality material.**

## What's New Review, Continued from Page 5



**This summary graph for the City of Lexington study highlights the number of potholes recorded for the nine year period from 2003-2011 (Jan-June) with an average of 11,733 per year. Starting in 2012, the number of recorded potholes decreased to 4,368, a reduction of 63%, significantly below the previous nine year range.**

In another recent study, the Town of Lindley, NY sought assistance from UNIQUE on solving a vexing problem they were having with a heavily used bridge requiring constant repair.

The flexible wood base supporting the surface is believed partially responsible for the frequent repairs. The current traffic load was not anticipated in the original bridge design. The bridge surface is hot mix asphalt.

Material shoving and rutting resulted in complaints and constant re-repair. The downward slope approaching the bridge created severe loading and deceleration forces transferred through the surface to the supporting wood timbers. According to the Superintendent, repair crews were at the bridge on a daily basis in the summer months. The primary repair material was a locally available conventional cold mix. Something had to change - too much time, effort, and money was being wasted on repair efforts that were continually failing. Frequent repair and re-repair was tying up maintenance crews, limiting resources available in the town and creating an unsafe condition for repair crews and traffic.

UNIQUE successfully demonstrated a permanent repair solution for this bridge by first evaluating the inherent conditions, then testing multiple products and techniques to determine how to solve the pothole, pavement, and base problems this bridge presented, effectively extending the maintenance budget for the town and the service life of this bridge. Although concrete was considered, the repair ultimately selected by the town was to replace the concrete-on-wood base with full depth UPM to increase subsurface flexibility versus concrete rigidity. (Case-study available on request from UNIQUE).

Now more than ever, state and local governments and agencies recognize the importance of spending their limited budgets in as cost-effective a manner as possible. This does not mean buying the lowest initial cost product. Rather, performance, long-term savings, and maximizing fiscal and work efficiency are keys to achieving the lowest overall cost. UNIQUE Paving Materials Corp.® is proud of its role in raising this awareness, and the benefits for taxpayers, agency employees and the traveling public.

Established in 1959, UNIQUE Paving Materials Corp.® is about more than just products—UNIQUE prides itself on offering total permanent engineered solutions to road maintenance and repair headaches.

For additional information or copies of case studies cited, please contact:

John S. Kida

UNIQUE Paving Materials Corp.

816-868-9438

[jkida@UniquePavingMaterials.com](mailto:jkida@UniquePavingMaterials.com)

[www.UniquePavingMaterials.com](http://www.UniquePavingMaterials.com)

## WHO'S NEXT?!?

Want to feature your project, new process, or product? A wait list has started for articles to be included in the Pub News, so if you are looking to submit an article contact Shannon as soon as possible.

Shannon Jeffries / [shannon.jeffries@cityofls.net](mailto:shannon.jeffries@cityofls.net) / 816.969.1821

# RECENT EVENTS

## Heartland Habitat for Humanity - Sustainable Infrastructure Committee - from Anne Schroer

On October 27<sup>th</sup> the Sustainable Infrastructure Committee partnered with KSPE's Eastern Chapter to host a workday on the Heartland Habitat for Humanity's sustainable prototype house. The house at 740 Troup Avenue in Kansas City, KS is part of the 1% for Habitat Initiative which you can read more about [here](#). Kate Fields, Director of Resource Management at Heartland Habitat for Humanity, hopes that many of the sustainable elements from the prototype house can eventually be implemented into other Habitat homes, making these homes more affordable and sustainable for the prospective homeowners.



We had eleven volunteers from both APWA and KSPE and also got the opportunity to work alongside the future home owners. The workday included lifting and setting roof trusses on both the garage and the living area, finishing the roof and ceiling for the safe room (There's no basement but we're still in Kansas!) and site clean-up. It was another great day despite the cold start! The grill was a popular place to be during lunch! Thanks again to everyone who volunteered for this event!!

**Mark your calendars for our next community service event on Saturday, March 2<sup>nd</sup>.** Hopefully we'll be putting the final touches on this house at 740 Troup! Lunch will be provided!!



## KC Metro Public Works Institute - from Larry Frevert, PWI Facilitator

21 KC Metro area public works supervisors and aspiring supervisors attended the Chapter's second Public Works Institute (PWI) session on November 13<sup>th</sup> - 15<sup>th</sup>, 2012 at the Olathe Service Center. The majority of attendees had participated in the inaugural PWI session, "Public Works Supervision Essentials" in the fall of 2011. This year's presentation, "Public Works Supervision Skills" focused on a variety of topics, including:

- Time Management
- Written Communications
- Organizational Assessment
- Job Interview Techniques
- Decision Making
- Fundamentals of Government
- Budgeting/Finance
- Emergency Management
- Solid Waste Management
- Stress Management
- Labor/Management Relations
- Purchasing/Inventory Management

In addition, the last day included a panel discussion with five successful maintenance managers from our region. The panelists were: Nick Arena (Lenexa, KS), David Frazier (Belton, MO), Shawn Graff (Lee's Summit, MO), Rich Profaizer (Overland Park, KS), and David Wendt (Olathe, KS).



Left to Right: Dave Wendt, Nick Arena, Rich Profaizer, David Frazier and Shawn Graff

The Chapter's PWI is one of 16 approved by APWA National to provide education/training focused on management and leadership professional development. The KC Metro Chapter has chosen to focus its PWI offerings for the development of first line supervisors in the public works profession. Our curriculum follows the approved 10 subject areas and is presented with over 90 hours of instruction. For more details on the approved curriculum, visit: <http://www2.apwa.net/education/institutes/?DISPLAY=INDIVIDUALS>.



## KC Metro Public Works Institute , Continued from Page 8

The attendees and the municipality they represent were:



Front Row: Randy Fine (Merriam), Trevor Davis (Leawood), Anthony Morris (Olathe), Mike Mabrey (Edgerton), Mark Fauser (Merriam), Calvin “Butch” Sallaz (Leawood), Charlie Klingler (Leavenworth), Brent Dorr (Lenexa)

Second Row: Larry Frevert (PWI Facilitator), Calvin Burgess (Leawood), Donnie Scharff (Olathe), Jim MacDonald (Merriam), Shawn Ralston (Lenexa), Igor Sinyavskiy (Lenexa), David Burton (Lenexa)

Third Row: Chris Mann (Fairway), Josh Blinn (Lenexa), Michael Okerberg (Lenexa), Trever Leikam (Overland Park), Mike Tharp (Lenexa), Bill Stogsdill (Fairway), Steve Culey (Lenexa)

\*All listed left to right.

In their final evaluation of the PWI, 100% of the participants said the training was consistent with their expectations and that they would recommend the training to others. 44% of the participants rated the value of the Session as equal to the cost and 56% rated the value in excess of the cost. Specifically, two of the most notable quotes were:

*“Excellent opportunity to learn and network I would recommend the class for all levels of municipal service.” – Brent Dorr, Lenexa*

*“Public Works Institute will enhance your profession knowledge and build professional relationships to build on.” – Michael Mabrey, Edgerton Superintendent*



Chapter President Dena Mezgar, PE - Lee's Summit Deputy Public Works Director, led a session on Managing Workplace Stress.

Continued on Page 10

## KC Metro Public Works Institute , Continued from Page 9



Bill Ebel, PE – Overland Park City Manager, led a session on the Fundamentals of Government.

Enrollment in a Public Works Institute is a pre-requisite for public works professionals to seek APWA credentialing as a public works supervisor (Level 1) through the Donald C. Stone Center. Completion of the PWI is a pre-requisite for public works professionals to seek APWA credentialing as a public works manager (Level 2) through the Donald C. Stone Center. For more information on the Donald C. Stone Center and these levels of credentialing, refer to:

<http://www.apwa.net/donald-c-stone>.

The KC Metro APWA Chapter is committed to our PWI participants and their timely completion of the education/training. As a result, Session III, “Public Works Management Fundamentals” has been scheduled for April 23<sup>rd</sup>–25<sup>th</sup>, 2013, at the Burns and McDonnell Auditorium. More details on registering for this Session will be forthcoming in the Pub News in early 2013 or contact Larry Frevert at [lwfrevert@gmail.com](mailto:lwfrevert@gmail.com).

Session IV, “Public Works Leadership Skills” is planned for the fall of 2013 and then we will start over with Session I being repeated in the Spring of 2014. Ultimately, the Chapter’s plan is to present a spring and fall Public Works Institute Session. More details regarding these sessions and the topics to be covered can be viewed within a PowerPoint presentation on the KC Metro APWA Chapter website at: [http://kcmetro.apwa.net/chapters/kcmetro/documents/PWI\\_ModuleII\\_Highlights.pdf](http://kcmetro.apwa.net/chapters/kcmetro/documents/PWI_ModuleII_Highlights.pdf).

If you believe you are qualified to lead the discussions for any of these planned future session topics and would like to help our region’s public works supervisors reach their full potential, please contact Larry.



Bill Heatherman, PE – Unified Government of Wyandotte County and Kansas City, KS led a session on Time Management.



Chuck Williams – Lenexa, led a session reviewing public works supervision fundamentals.



Jeff Fisher – Belton, led a session on Decision Making and engaged in a “breakout” discussion with Michael Okerberg, Calvin Burgess, Bill Stogsdill, Chris Mann and “Butch” Sallaz

To view more Session II photos, visit: <http://kcmetro.apwa.net/resources/images/>.

## 2012 APWA KC Metro Chapter Holiday Party - Wednesday, December 12<sup>th</sup>

The Kansas City Metro Chapter Holiday Party was a wonderful event again this year. Highlights included reception and dinner entertainment provided by the Kansas City Kansas Community College Jazz Combo compliments of entertainment and decoration sponsors GBA and HNTB. Attendance this year included over 125 guests from throughout the metro area. Guests heard from APWA National President-Elect Edward (Ed) Grottko, PE, Ret., PWLF as the keynote speaker and honored guest. With the passing of the torch from Dena Mezger to Bob Miller, the Chapter once again looks to strengthen public works in our area. Thanks to all for attending and we look forward to seeing you next year!

### Santa Helpers

Burns & McDonnell  
Cook, Flatt and Strobel  
Olsson Associates  
Pyramid Construction  
TSI Engineering, Inc.  
TranSystems

A very special thank you to the following decoration and entertainment sponsors!

GBA

HNTB



Installation of the 2013 KC Metro Chapter Board of Directors.

KC Metro Chapter members continued the tradition of supporting Toys for Tots at the holiday party. Thank you to all who supported Toys for Tots through monetary or toy donations.



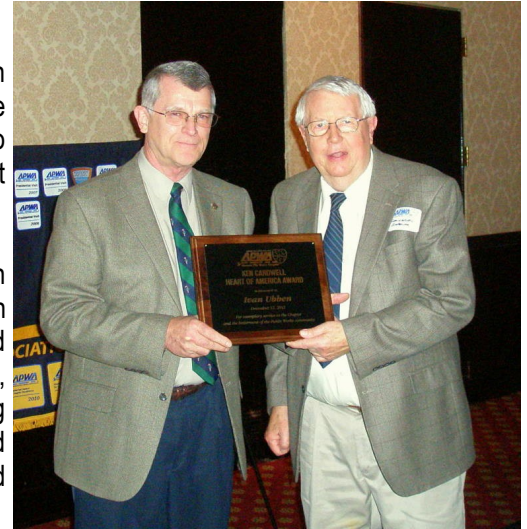
## 2012 APWA KC Metro Chapter Holiday Party - Awards Presentation

The following awards were presented at the Holiday Party on Wednesday, December 12th, 2012. Thank you to all who submitted award applications.

- **Ken Cardwell Heart of America Award**

This award is to recognize individuals who have served the Kansas City Metropolitan Chapter of APWA in an exemplary manner and through their efforts have bettered the public works community. It is the most prestigious award given by the KC Metro Chapter. Keeping with chapter tradition, the winner of the award was kept secret beforehand and announced during the Holiday Party.

Mike Ross, the 2011 Heart of America Award Winner, presented the 2012 Ken Cardwell Heart of America Award to **Ivan Ubben, City of Independence, MO**. Ivan started his career in 1956 with KDOT. During the course of his career he has worked at MoDOT, Larkin and Associates, Affinis, and he currently works for Independence, MO. A Kansas State graduate, Ivan has been heavily involved in updating specifications for the KC Metro area. He was involved in the design of Lee Boulevard south of 83rd Street, which has been called an urban masterpiece of planning and design.



- **Samuel A. Greeley Service Award**

This award gives formal recognition to persons who have continuously served one local agency for 30 or more years and who have been a member of APWA for 15 or more years.

This year **Howard Mann**, Fleet and Facilities Manager for the City of Leawood, Kansas, was recognized as a Greeley Service Award recipient.

- **Field Supervisor Excellence Award**

This award recognizes outstanding field supervisors whose service, achievement, leadership and dedication have had a positive impact on the efficiency and effectiveness of operations thereby improving the quality of life for those who live and work within that community

- **Kathy Petri, Overland Park.**

Kathy is the Construction Inspection Supervisor for the City of Overland Park. Her section is responsible for all aspects of inspection for the Capital Improvements Program for the City. In 2012 they inspected 13 major projects with a construction value of 77 million dollars. This work includes much more than inspection, there is managing materials testing contracts, tracking quantities and preparing pay estimates, and review and approval of shop drawings. These are the “hardware” of the inspection business and Kathy is great at these. However, the “software” is sometimes the most difficult and one of her many talents is Kathy’s ability to work with residents. She often schedules herself on projects that have a very high level of resident interaction, exercising care and patience with homeowners as construction takes place in their front or back yards. Kathy is celebrating her 33<sup>rd</sup> year of service with the City of Overland Park this year.



## 2012 APWA KC Chapter Holiday Party Awards Presentation, Continued from Page 12

### o **Chris Mann, Fairway.**

Chris is the Assistant Director of Public Works for the City of Fairway. As the nomination states... "In a small community you need to wear several hats at once, work swiftly, and multi-task at all times." Chris has balanced "construction inspections, sediment and erosion control inspections, right of way management and fleet maintenance." And on top of all of this...he pushes snow. Chris was named the City liaison for the SureWest Communications fiber optic installation in Fairway. To quote the nomination "this construction proved to be very frustrating for some of our citizens." Chris met the challenge and as a result of his diplomacy he received positive comments from residents.



### o **Ted Semadeni, Lenexa.**

Ted is the Stormwater Superintendent overseeing four crews for the City of Lenexa; the Green Infrastructure, Traditional Infrastructure, Mobile Storm Pipe Video Inspections and Street Sweeping crews. Ted has a long list of accomplishments, so only a few can be highlighted. Ted earned his Certified Public Manager (CPM) this year, he is Chair of the Municipal Services Safety Committee, and he devised and implemented a daily work order system. Ted fosters teamwork on a regular basis within his division. For example, as a team, the division has designed and built a self-sustaining greenhouse for plants to be used within the City's bio-cells. Collecting runoff into a cistern and using it to water the plants is proving to be a cost effective way of growing plants in-house. As a team, two of the crews work together to clean stormwater pipes and video them to look for damaged pipe. And as a team, the four crews nominated Ted for this award.

### • **Public Works Excellence Award**

This award recognizes an individual Public Works employee whose excellence, dedication and outstanding achievements in overall public service have improved the quality of life for those who live and work within that community.

### o **Jay Martin, Overland Park.**

Jay began working at the City of Overland Park in 1998 as a Maintenance Worker and in 2005 he was promoted to his current position as Equipment Operator, where he is one of the Maintenance Division's more versatile employees. Jay is known for his "let's get to it" approach. This approach proves to be invaluable during the work day, whether he is leading a work crew to replace a road culvert or using his technical skill to assist in performing video inspection of stormwater pipes. Even without a formal title of Team Lead or Crew Leader, Jay leads his fellow employees providing inspiration and collaborative direction, when needed. Jay's work affects many residents so he often finds himself explaining the work that impacts their property. He is able to talk with residents in a way that they understand and gives them confidence in the work being done. Jay's work ethic and dependability come from his farming background. He often helps out his neighbors and his community, such as through the Catholic Church of LaCygne, helping his neighbors working cattle, and donating to Ducks Unlimited.



Continued on Page 14

## 2012 APWA KC Chapter Holiday Party Awards Presentation, Continued from Page 13

### • Operations Program Excellence Award

This award recognizes outstanding Public Works Agency operation programs which have improved the efficiency and effectiveness of governmental business thereby improving the quality of life for those who live and work within that community.

#### ○ **City of Belton and Partners - Cooperative Street Maintenance Contract.**

The City of Belton has an on-going street improvement program that they have expanded beyond their city limits to include neighboring communities to reap these benefits:

- One bidding process - one contract results in less administration time throughout the year.
- Stretches the dollars of all the communities involved due to the combined volume.
- A partnership was created with the contractor.
- The nature of the contract meant that each City could call upon the Contractor at any time to address a variety of issues throughout the year including striping, micro-sealing, deep-patching, and curb repair, to name just a few.
- In recent years where resources have been limited for everyone, this cooperative contract provided excellent value to multiple communities and every year the contract is improved for the benefit of all involved.



#### ○ **City of Fairway - Alternate Work Week Schedule.**

In September of 2009, the City of Fairway began a pilot program to implement a 9/8/80 work schedule. This schedule allows employees to work (in a two week period) eight 9 hours days, one 8 hour day and have one three day weekend. Full implementation began in April of 2010 and the schedule runs for six months during the busiest time of the year. The program allows:

- Four extra hours of coverage every week for the residents.
- Has reduced their summer overtime.
- Has reduced the carbon footprint by 10%.
- Has improved the efficiency and effectiveness of day to day operations.



### • APWA Lifetime Membership (pictured to left)

Chuck Williams, City of Lenexa, Kansas, earned APWA Lifetime Membership in 2012.

### • Past President Award (pictured to right)

Incoming 2013 Chapter President **Bob Miller** awarded the 2012 Chapter President **Dena Mezger** with a plaque and the travelling past-president plaque as a token of appreciation for her service to the chapter in 2012.





824 Weathered Rock Road, Jefferson City, MO 65101-1839  
573-635-1818 • Fax: 573-635-8402  
www.mo1call.com

## The Importance of Planning and Design in Utility Damage Prevention

*Hosted by the APWA Kansas City Metro Chapter - Education and Training Committee*

**DATE:** January 15<sup>th</sup>, 8:00 A.M.- 10:00 A.M.

**LOCATION:** Burns & McDonnell, 9400 Ward Parkway, KCMO 64114

**COST:** Free Breakfast provided by Missouri One Call System

**PDH CREDITS:** 1

**REGISTER :** Please visit <http://www.mo1call.com/meetings/safety.php>

### **PROGRAM DESCRIPTION:**

Prevention of damage to buried utilities is a safety, financial and public welfare issue. And as such, should be a concern for all professionals who are involved in excavation projects. Consideration for the protection of existing buried utilities should begin in the planning and design phase of all projects where excavation will occur.

Gathering underground facility information and including this information in the planning and design phase minimizes the hazards, risks, cost, and work to produce the final project. Please join us for this important discussion on best practices of the Common Ground Alliance, details of the ASCE 38-02 practice and other issues of damage prevention.

Contact Bill Dexheimer at (573) 680-3748 with any questions.

## **“A Public Works Delegation to Russia” By Larry Frevert, PE, PWLF**

**When - Wednesday, January 16<sup>th</sup>, 2013**

**Venue - Bacchanalia – 12450 Newton Street, Overland Park, KS 66213**

**\*See Chapter website for further event details.**

**Community Service Opportunity - Bring donations for Harvester’s to the meeting.**

In July 2011, Larry Frevert and his wife Carol led a delegation of public works professionals and guests on a People to People Citizen Ambassadors’ visit to Moscow and St. Petersburg, Russia. This visit, consistent with People to People’s typical delegations, included both technical conferences with professional public works peers and cultural immersion in the host country.

At the January KC Metro APWA Chapter luncheon, Larry will share with the attendees, experiences and a photo log of this trip.



St. Basil's Cathedral, at the sound end of Red Square in Moscow



Larry Frevert, PE, PWLF: Served the KC Metro Chapter of APWA as its Chapter President in 2001, after progressing through the chapter officer positions and chairing or serving on several chapter committees. In 2007-2008, Larry was National APWA President and in 2011, he was admitted in the charter class of Public Works Leadership Fellows by APWA.

Currently, Larry works part-time as a senior consultant for TREKK Design Group, LLC. Previously, he worked for the MO Department of Highways (Transportation Department), Kansas City, MO Public Works and Parks and Recreation Departments, HDR and Burns and McDonnell Engineering. In 2010, he was recognized as a Top Ten Public Works Leaders of the Year.

In addition to APWA, Larry is a member of ASCE (currently serving on the Committee on America’s Infrastructure - the group that oversees preparation and publication of the ASCE Infrastructure Report Card), MSPE and NSPE, and the Engineers’ Club of Kansas City. He is past president of the MU Engineering Alumni Organization and the MU Civil Engineering Academy of Distinguished Alumni and is currently a member of the Governing Board of the Mizzou Alumni Association. In 2009 he was recognized with the Missouri Honor Award for Distinguished Service in Engineering.

In 2009, Larry led a delegation of public works professionals to China and in 2011, another group to Russia. Both of these delegations were sponsored through the People to People International’s Citizen Ambassadors’ Program and the delegations exchanged technical information with their professional counterparts and were exposed to the culture of their host country.



# COMMITTEE ANNOUNCEMENTS

## APWA Awards Committee - from Melissa Prenger, Committee Chair



Does your city or company have a project, employee or program that might be deserving of some special recognition? Please consider nominating outstanding individuals, programs and projects for an APWA award as described below. Award winners will be recognized at the KC Metro Chapter APWA National Public Works Week luncheon in May 2013. Award guidelines and award nomination forms are available at <http://www2.apwa.net/About/Awards/2013Awards/>.

Award application packages shall be submitted in **PDF format only (hard copies no longer accepted)**. Please read the awards announcement below for details and contact Melissa Prenger, KC Metro Chapter Awards Committee Chair, at 913-310-9943 with any questions.

### Public Works Project of the Year Award

Guidelines and nomination forms are available at <http://www2.apwa.net/About/Awards/2013Awards/>.

Completed **nomination forms** are due by Monday, **January 21<sup>st</sup>, 2013**.

Completed **application packages** are due by Monday, **February 4<sup>th</sup>, 2013**.

Each application package shall be **one PDF** file. Please e-mail nomination forms and application packages to Melissa at [prenger@pbworld.com](mailto:prenger@pbworld.com). Files too large to email may be sent on CD to Melissa Prenger at: Parsons Brinckerhoff, 16201 W 95<sup>th</sup> Street, Suite 200, Lenexa, Kansas 66219.

A managing agency may submit no more than 1 project per category and division. The KC Metro Chapter Awards Committee shall evaluate the applications in February and shall **select one project per category and division to win a chapter level award**. Prior to the March 1<sup>st</sup>, 2013 deadline, the Awards Committee shall submit 1 PDF copy of the application packages of the chapter level award winners to APWA National for consideration of a national level award. These projects will be the official projects sponsored by the KC Metro Chapter.

Chapter level non-winners may still submit their project to APWA National prior to the March 1<sup>st</sup>, 2013 deadline for consideration of a national level award, but the project will not be sponsored by the KC Metro Chapter.

Public Works Project of the Year	<p><b>Purpose:</b> The APWA Public Works Project of the Year Award was established to promote excellence in the management and administration of public works projects by recognizing the alliance between the managing agency, the consultant/architect/engineer, and the contractor who, working together, complete public works projects. Awards are given in four divisions:</p> <ol style="list-style-type: none"><li>1. Projects less than \$5 million</li><li>2. Projects of \$5 million, but less than \$25 million</li><li>3. Projects of \$25 million to \$75 million</li><li>4. Projects more than \$75 million</li></ol> <p>and five categories:</p> <ol style="list-style-type: none"><li>1. Structures—to include public structure preservation/rehabilitation, municipal buildings, parks, etc.</li><li>2. Transportation—to include roads, bridges, mass transit, etc.</li><li>3. Environment—to include treatment and recycling facilities, landfill reclamation projects, sewer projects, etc.</li><li>4. Historical Restoration/Preservation—to include historical restoration, preservation and adaptive reuse of existing buildings, structures, and facilities, etc.</li><li>5. Disaster or Emergency Construction/Repair—to include the techniques and timing for safety, community relations, environmental protection, adverse conditions and additional considerations.</li></ol> <p><b>Eligibility:</b> Public works is defined as the physical structures and facilities that are developed, owned, and maintained by public agencies to house governmental functions and provide water, power, waste disposal, transportation, and similar public services in accordance with established public policy.</p> <p>To be eligible for nomination, a project must have been “substantially completed” and available for public and/or agency use within two calendar years prior to nomination. If a project has multiple phases or segments, then “substantially completed” will be construed as that point when the final phase or segment is 90% completed and available for public and/or agency use.</p> <p>A project may only be nominated once for recognition as “Project of the Year” under any category.</p>
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## APWA Awards Committee, Continued from Page 17

### Public Works Project of the Year Continued:

<p>Public Works Project of the Year Award for Small Cities/Rural Communities</p>	<p><b>Purpose:</b> A new award created for 2013, the APWA Public Works Project of the Year Award for agencies from cities or counties with a population of 75,000 or less is established to promote excellence in demonstrating creativity, ingenuity, and efficiency in the delivery of Public Works projects that have a profound impact on the community. The award does not have a fixed dollar amount and can include, but is not limited to, the following categories: structures, environmental, historic preservation, emergency response, or transportation projects that have created a positive impact on the life of the community. The Award is given for impact in the community as compared to a dollar amount.</p> <p><b>Eligibility:</b> Same eligibility criteria as Public Works Project of the Year Award.</p>
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### Other Award Categories (Listed Below)

Guidelines and nomination forms are available at <http://www2.apwa.net/About/Awards/2013Awards/>.

Completed **nomination forms** are due by Monday, **January 21<sup>st</sup>, 2013**.

Completed **application packages** are due by Monday, **February 4<sup>th</sup>, 2013**.

Each application package shall be **one PDF** file. Please e-mail nomination forms and application packages to Melissa at [prenger@pbworld.com](mailto:prenger@pbworld.com). Files too large to email may be sent on CD to Melissa Prenger at: Parsons Brinckerhoff, 16201 W 95<sup>th</sup> Street, Suite 200, Lenexa, Kansas 66219.

A managing agency may submit no more than 1 candidate/program per category and division. The KC Metro Chapter Awards Committee shall evaluate the applications in February and shall **select one candidate/program per category and division to win a chapter level award**. Prior to the March 1<sup>st</sup>, 2013 deadline, the Awards Committee shall submit one .pdf copy of the application packages of the chapter level award winners to APWA National for consideration of a national level award. These candidates/programs will be the official candidates/programs sponsored by the KC Metro Chapter.

Chapter level non-winners may still submit their candidate/program to APWA National prior to the March 1<sup>st</sup>, 2013 deadline for consideration of a national level award, but the candidate/program will not be sponsored by the KC Metro Chapter.

### The following awards require nominees be APWA members in good standing:

<p>Community Involvement Award</p>	<p>To recognize public works leaders who are also leaders in their community. To encourage public works professionals to become active leaders in their community. To ensure public trust in public works professionals through recognition of outstanding community leadership.</p>
<p>Charles Walter Nichols Award for Environmental Excellence</p>	<p>This award was established in 1951 by Charles Walter Nichols of Nichols Engineering Research Corporation to recognize outstanding and meritorious achievement in the environmental field in its broadest sense. This may include, but is not limited to, street sanitation, refuse collection, disposal and recycling, sewers and sewage treatment, water supply, and water treatment.</p>
<p>Distinguished Service to Public Works Award</p>	<p>Established in 1935, as the Honorary Membership Award, this honor is regarded as the highest APWA honor. This award may be presented in recognition of acknowledged service and well-established preeminence in the field of public works, and/or contributions of special merit and benefit to APWA. Board members and past presidents of APWA must be out of office at least five years before being eligible for this award. A chapter resolution, petition of any 15 active members of APWA or any one or more of the APWA Board of Directors may nominate. APWA Membership is required.</p>
<p>Donald C. Stone Award for Excellence in Education</p>	<p>This award has a category for individuals and chapters. It was established to recognize outstanding and meritorious achievement of individuals assisting in the areas of continuing and graduate professional education for public works professionals, as well as, chapters in their work in delivering educational opportunities for all levels of persons engaged in the delivery of public works services. Chapter candidates must be members with active educational programs. Any active APWA member may nominate.</p>

Continued on Page 19

## APWA Awards Committee, Continued from Page 18

The following awards require nominees be APWA members in good standing (continued):

<p>Harry S. Swearingen Award for Outstanding Chapter Achievement and Excellence in Chapter Service</p>	<p>Established to recognize outstanding individual achievement through chapter activity and achievement in support of APWA's strategic plan, goals, and objectives, as well as outstanding service to APWA as a public or private sector member at the chapter level. Individual candidates and corporate company candidates must be active members of APWA and actively involved at the chapter level for an extended period of time. Nominations must be made by chapters.</p>
<p>International Service Award</p>	<p>Established by the APWA International Affairs Committee, the APWA International Service Award recognizes an APWA member who has furthered the cause of international understanding and cooperation by becoming actively involved in exchanges, establishing a relationship with a public works entity from another country or providing outstanding public works service on an international basis.</p>
<p>Professional Manager of the Year Administrative Management</p>	<p>Recognizes outstanding achievement in the area of Administration within the Public Works Department. Individual candidates must be APWA members with a minimum of 10 years qualifying experience.</p>
<p>Professional Manager of the Year Public Right-Of-Way</p>	<p>The Public Right-of-Way Manager of the Year award seeks to inspire excellence and dedication the public sector by recognizing the outstanding career service achievements of public right-of-way professionals. The primary focus of this award is the management of the public rights-of-way, which demonstrates that all stakeholders share the public rights-of-way in harmony and preserve them in the best interest of the public. Individual candidates must be APWA members with a minimum of 10 years public right-of-way management experience.</p>
<p>Professional Manager of the Year Public Works Emergency Management</p>	<p>Recognizes the outstanding career service achievements of public works emergency management professionals. Individual candidates must be APWA members with a minimum of 10 years' experience in a public works supervisory or management role.</p>
<p>Professional Manager of the Year Solid Waste</p>	<p>Recognizes the outstanding career service achievements of solid waste management professionals. The primary focus of this award is recognition of exceptional management, operation, and maintenance of public sector solid waste operations. Individual candidates must be members of APWA with a minimum of 10 years qualifying experience.</p>
<p>Professional Manager of the Year Transportation</p>	<p>Recognizes the outstanding career service achievements of public transportation professionals. The primary focus of this award is recognition of exceptional leadership and management by an individual through a significant transportation related project or program. Individual candidates must be members of APWA with a minimum of 10 years qualifying experience.</p>
<p>Professional Manager of the Year Water Resources</p>	<p>To recognize outstanding accomplishments or achievements by individuals providing management in the field of water resources and whose contributions have had a positive impact on the profession of Public Works. Individual candidates must be members of APWA with a minimum of 10 years qualifying experience.</p>

Questions???

Contact: Melissa Prenger

KC Metro Chapter Awards Committee Chair

913-310-9943

## APWA Awards Committee, Continued from Page 19

**The following awards DO NOT require APWA membership.**  
**The intent of these awards is to focus beyond membership into the profession of public works:**

Citation for Exemplary Service to Public Works	To recognize a non-member of APWA who is an eminent government or other public service leader for their far-reaching, positive impact on local, state or national public works programs, services, or policies through distinguished public service and commitment.
Diversity Exemplary Practices Award	To recognize individuals and organizations that has made outstanding contributions to diversity. Up to two awards may be presented annually in the following categories (one possible from each category): 1) individual 2) program/organization. Officers and members of the APWA Board of Directors are not eligible during their service. A chapter, entity, individual member, or nonmember may nominate.
Excellence in Snow and Ice Control Award	Established to promote excellence in the management and administration of Public Works Snow and Ice operations. To promote the best practices in snow and ice removal while minimizing environmental impacts. NOTE: APPLICATION DEADLINE TO APWA NATIONAL IS FEBRUARY 1, 2013
Exceptional Performance Award	Established to recognize individuals, teams or organizations in the areas of Adversity, Journalism and Safety whose outstanding contributions in the course of performance raise the level of public awareness of the profession. A chapter, entity, individual member, or nonmember may nominate. Exceptional Performance Award in Chapter Journalism recognizes chapters only.
Sustainability Practice Award	To recognize individuals, teams or organizations that have made outstanding contributions to promote sustainability in public works. Sustainability is accomplished by the efficient delivery of infrastructure in an environmentally and socially responsible way that ensures the best choice in the long term. Up to three awards may be presented annually in the following categories (one possible from each category): Individual, Program/Organization/Agency, Chapters
Technical Innovation Award Management Innovation Award	Established to provide recognition for an individual, team or organization for the development and implementation of a creative idea, device, process or system that enhances the goals of public works in serving the public and protecting the environment. The award is open to anyone actively involved in the public works profession. Any public agency may nominate.

### **Public Works Historical Society Awards**

Abel Wolman Award	Established by the Public Works Historical Society, this award recognizes the single best new book published in the field of public works history. This award is intended to provide encouragement and recognition to historians whose research and publications have made outstanding contributions to the history of public works. Books must have been published during the preceding two calendar years, covering one or more public works topics. Individual authors or their publishers may submit a book for consideration.
Michael Robinson Award	Established by the Public Works Historical Society, this award recognizes the single best article published in the field of public works history. This award is intended to provide encouragement and recognition to historians and practitioners whose research and publications have made outstanding contributions to the history of public works. Articles must have been published during the preceding two calendar years, covering one or more public works topics. Articles must be a minimum of 500 words in length and published by a widely known journal or periodical. Articles published by APWA, its chapters, or the Society are not eligible.

### **IMPORTANT DATES:**

**January 21<sup>st</sup>, 2013**—Nomination forms due to KC Metro Chapter Awards Committee  
**February 4<sup>th</sup>, 2013**—Award application packages due to KC Metro Chapter Awards Committee

## The Envision Rating System - *from The Sustainable Infrastructure Committee*



By now, you've heard of "LEED", the rating system from the US Green Building Council for buildings, and you may even have a certified fire station or office building in your community. Just outside of the building itself, the "Sustainable Sites Initiative" from the University of Texas at Austin and the American Society of Landscape Architects takes the same rating concept to site development and landscape management. So now you're to the back of curb with a comprehensive sustainability project but what about the street itself, the wastewater treatment plant or the nearest bike path for that site? Where public works begins is where the "Envision Rating System" brings the now familiar concept of a voluntary, point-based tool for infrastructure projects of all kinds.



The Envision Rating System is a web-based project assessment tool that identifies how to plan, design, construct and operate infrastructure projects more sustainably. Envision is an objective framework of criteria and performance metrics developed by the Institute for Sustainable Infrastructure, in partnership with the Zofnass Program at the Harvard Graduate School of Design. The Institute for Sustainable Infrastructure (ISI) is a non-profit organization founded by the American Public Works Association (APWA), the American Society of Civil Engineers (ASCE) and the American Council of Engineering Companies (ACEC) that provides complimentary memberships for public utilities and government agencies, where sustainability has become a critical element for achieving quality of life and being a good steward with increasingly scarce resources.



The Institute for Sustainable Infrastructure's founding groups and partners at the Zofnass Program didn't have to look far for infrastructure sustainability efforts and in the end, over 900 locally-based, sector-specific rating systems were evaluated to provide a background for the Envision Rating System. This cooperative effort insured that Envision was properly vetted with industry experts and was designed to compliment, not replace, existing rating systems currently in use. Envision is a robust tool focused on project outcomes, not intentions, and provides an essential context for sustainability in infrastructure projects.



Five primary categories in the tool provide over 60 available credit areas ranging from "quality of life" to the "natural world" with several levels of achievement from "improved" practices to comprehensive "restorative" approaches, insuring maximum flexibility. The points are not allocated in a linear fashion which promotes implementation by acknowledging initial efforts while leaving room to strive higher. The rating system is designed as a spreadsheet that can be revisited and updated as many times as needed through the project with a place for notes and an easy to read format. A project can be verified by a certified professional and nominated for national awards for infrastructure sustainability.



*Continued on Page 22*

# The Envision Rating System, continued from Page 21

An Envision “checklist” has also been created in a simplified format to facilitate conversation about project sustainability during preliminary planning. This “yes or no” approach guides the user through the five categories of the full rating tool and can help project teams consider the metrics available for points in later phases of project planning, design, construction and operation. This checklist provides a decision-making framework for infrastructure projects but it can also be used more broadly to evaluate agency practices and policies when it comes to sustainability. Like the full rating tool, the checklist can be downloaded from the ISI website, uses an intuitive spreadsheet format that can be edited and provides a scorecard with excellent visualization of the metrics to help quickly convey opportunities and challenges of any project or agency.

**Envision™ Checklist**

<b>Quality of Life</b>																										
<b>1. Purpose</b>																										
<b>Q1 1.1 Improve Community Quality of Life</b>																										
<b>Intent:</b> Improve the net quality of life of all communities affected by the project and mitigate negative impacts to communities.																										
<b>Metric:</b> Measures taken to assess community needs and improve quality of life while minimizing negative impacts.																										
<b>Assessment Questions:</b>	<table border="1"> <thead> <tr> <th></th> <th>Ye</th> <th>N</th> <th>N/</th> <th></th> </tr> </thead> <tbody> <tr> <td>Are the relevant community needs, goals and issues being addressed in the project?</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">?</td> </tr> <tr> <td>Are the potentially negative impacts of the project on the host and nearby communities been reduced or eliminated?</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">?</td> </tr> <tr> <td>Has the project design received broad community endorsement, including community leaders and stakeholder groups?</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">?</td> </tr> <tr> <td style="text-align: right;"><b>Total</b></td> <td colspan="4" style="text-align: center;"><b>0 of 2</b></td> </tr> </tbody> </table>		Ye	N	N/		Are the relevant community needs, goals and issues being addressed in the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	?	Are the potentially negative impacts of the project on the host and nearby communities been reduced or eliminated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	?	Has the project design received broad community endorsement, including community leaders and stakeholder groups?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	?	<b>Total</b>	<b>0 of 2</b>			
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<b>Total</b>	<b>0 of 2</b>																									

Portion of Envision Checklist

The Envision Rating System and Checklist are dynamic tools to help infrastructure project teams and public works agencies evaluate policies and practices to strive for more sustainable choices, to provide accountability and to acknowledge existing areas of strength when it comes to meeting the triple bottom line of environmental stewardship, fiscal responsibility and social equity. Sustainability is the way public works agencies and project teams have been doing business and leading the way for many years. Take a look at the ISI website at <http://www.sustainableinfrastructure.org/> and download the checklist today. You might be surprised to see the points add up.

The screenshot shows the ISI website homepage. At the top, there is a navigation menu with links for Home, About Us, Join ISI, Contact Us, Search, and Login. Below the navigation is the ISI logo and the text "INSTITUTE FOR SUSTAINABLE INFRASTRUCTURE". A search bar is located on the right side of the header. The main content area features a large banner image of a bridge with the text "Building Tomorrow's Infrastructure Today". Below the banner are several content tiles: "Envision™ Rating System" with a "Click Here" button, "Envision™ Checklist" with a "Click Here to Download Checklist" button, "ISI Credential Application" with a description and a "Click Here" button, "Accepted Applicants" with a description and a "Click Here" button, and "Envision Credentialed Professionals". There is also a "Latest News" section with several news items and a "Verification" section for the Envision™ Sustainable Infrastructure Rating System.



# Member Spotlight



Bob Miller  
Vice President  
TranSystems Corporation  
2013 KC Metro APWA Chapter President



**Why did you choose the public works field?**

I started my public works career in the engineering department with the City of Fort Dodge in northwest Iowa. The diversity of the projects, both technical and dealing with the citizens, offered a variety of opportunities. Being able to see projects go through the planning, design, and construction phases is very rewarding.

**What would folks find surprising about your job?**

The daily tasks are rarely the same from day to day. Project challenges vary from project to project and client to client. I enjoy learning from projects that I'm not directly associated with. The successes of these projects as well as the lessons learned.

**What do you enjoy doing outside of work?**

I enjoyed attending and assisting with my kids activities when they were younger. They are all in their twenties now and enjoy spending as much time with them as I can. I used to look forward to playing softball, but have replaced the playing role with being an umpire. I'm also a certified barbeque judge and enjoy grilling or smoking in the back yard.

**What has diversity meant to you during your career?**

Diversity can be broken down into many areas including culture, race, background, sexual orientation, age, and more. Understanding, accepting, and embracing diverse needs within my company is key to being a successful manager. Setting or modifying policies to meet the needs of our diverse workforce.

## NEW MEMBERS

Sami Banyalmarjeh (University of Missouri-Kansas City)  
Dana Paul Bowles (Kaw Valley Engineering)  
Mike Carroll (Burns & McDonnell)  
Michael DeBacker (Burns & McDonnell)  
Christopher Douglas (Transystems)  
Jessica Everhart (University of Missouri-Kansas City)  
Gene Foster (Burns & McDonnell)

Christopher Klope (Mobile Hydraulic Equipment Co.)  
Meagan Malloy (University of Missouri-Kansas City)  
Harrison Netz (University of Missouri-Kansas City)  
Jason Regina (University of Missouri-Kansas City)  
David Silverstein (Burns & McDonnell)  
Loren Weeks (American Excelsior)  
Shawn Wiedel (Burns & McDonnell)

# OTHER ANNOUNCEMENTS

## 2013 APWA KC Metro Board of Directors

The 2013 APWA KC Metro Board of Directors was installed December 12<sup>th</sup>, 2012 at the annual holiday party. This years board members are:

President - Robert Miller  
Vice President - Wayne Gudenkauf  
Secretary -Bill Stogsdill  
Treasurer - Tim Ross  
Past President - Dena Mezger  
Director (2<sup>nd</sup> Year) -Heidi Thummel  
Director (2<sup>nd</sup> Year) - Jerry Johnson

Director (1<sup>st</sup> Year) - Pam Fortun  
Director (1<sup>st</sup> Year) - Jason Meyers  
Director-At-Large - Robert Kluender  
Delegate - Chuck Williams  
Alternate Delegate - Joe Johnson

The two new members to the board are 1<sup>st</sup> year directors Pam Fortun and Jason Meyers. In this issue, get to know Jason Meyers better. Next issue we will introduce Pam Fortun. If you have any comments, questions, or suggestions for the KC Metro chapter please contact any board member.

### 1st Year Director - Jason Meyers

**Name:** Jason Meyers

**Employer:** Burns & McDonnell

**Number of years in the public works field:** 13 years

**Committee/activity/chair positions held in APWA:** Chair of the education and training committee. Past chair for APWA transportation committee and past co-chair of the UMKC student chapter

**Why did you choose to get involved on the board:** APWA is a great organization with incredible people leading their efforts. I enjoy meeting new people and getting mentored from members who have a great wealth of knowledge.

**What is one goal you have for APWA this year:** I would like to see our chapter recognized in several local publications throughout the year for all the great accomplishments of our Chapter. Our APWA chapter offers incredible support for Public Works officials and does a great job mentoring the future leaders of engineers in Kansas City. We need to advocate the benefits of APWA to the communities that we live in.



**In my free time, I like to:** Spend time with my wife and three kids

**Other tidbits to share:** For the last 5 years I have been a camp mentor for the Society of American military Engineers (SAME) Navy engineering summer camp at Port Hueneme, California. A weeklong of fun in southern California teaching 50 high school students.



MO/KS CHAPTER, ACPA  
 33<sup>rd</sup> ANNUAL PORTLAND CEMENT  
 CONCRETE PAVEMENT CONFERENCE  
 FEBRUARY 27<sup>th</sup> - MARCH 1<sup>st</sup>, 2013



“Concrete - It Does a Pavement Good”



33<sup>rd</sup> Annual Portland Cement Concrete  
 Pavement Conference  
 February 27<sup>th</sup> - March 1<sup>st</sup>, 2013

Exhibitors

Allen Engineering	Astec, Inc.
EQ Consulting	E-Z Drill, Inc.
GOMACO	Marker One
Power Pavers, Inc.	RexCon, LLS
WYCO	

**Sponsors**

**Break Sponsor**

**Koss Construction Company**

**Platinum Sponsor**

**Ideker, Inc.**

**Gold Sponsor**

**Buzzi Unicem USA  
 Power Pavers, Inc.**

**Silver Sponsor**

<b>Astec, Inc.</b>	<b>Crawford, Murphy &amp; Tilly</b>
<b>Diamond Products</b>	<b>EQ Consulting</b>
<b>Euclid Chemical Co., The</b>	<b>Koss Construction Company</b>
<b>Musselman &amp; Hall</b>	<b>Smoky Hill Construction</b>
<b>TranSystems Corporation</b>	

**Bronze Sponsor**

<b>Concrete Supply of Topeka</b>	<b>E-Z Drill, Inc.</b>
<b>GBA</b>	<b>Geiger Ready-Mix</b>
<b>H.W. Lochner, Inc.</b>	<b>J.H. Berra Paving Co., Inc.</b>
<b>KRMCA</b>	<b>Loch Sand &amp; Construction</b>
<b>Penhall Company</b>	<b>Prof. Engineering Consultants</b>
<b>RexCon, LLC</b>	

The Exhibitors and Sponsors listed here committed before Dec. 7, 2012

## CONFERENCE AGENDA

### WEDNESDAY - FEBRUARY 27<sup>th</sup>

4:00 - 6:00 Registration & Exhibits Open  
\*Welcome Reception\*

### THURSDAY - FEBRUARY 28<sup>th</sup>

7:00 Buffet Breakfast  
8:00 - 10:00 General Session  
10:30 - 11:30 Technical/Market Specific Sessions  
     Session A Technical Session I  
     Session B Airports  
     Session C Concrete Pavement Preservation  
11:45 Awards Luncheon

1:45 - 3:00 Technical/Market Specific Sessions

Session D Technical Session II

Session E Municipal Paving

Session F Innovative Technologies & Research

3:30 - 5:00 General Session

5:15 Beer "n" Brats Social & Door Prizes

### FRIDAY - MARCH 1<sup>st</sup>

7:00 Buffet Breakfast

8:00 - 11:30 General Session & Prize Drawings

Session topics and times are subject to change. 9.25 PDH credits for the PCCP Conference. AIA credits also apply to this Conference.

## REGISTRATION

33<sup>rd</sup> ANNUAL MO/KS CHAPTER, ACPA  
PCCP CONFERENCE REGISTRATION

### REGISTRATION FEES

#### ATTENDEE INFORMATION

Name (First, Last) \_\_\_\_\_  
 Name for Badge \_\_\_\_\_  
 Organization \_\_\_\_\_  
 Title \_\_\_\_\_  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Email \_\_\_\_\_

#### PCCP CONFERENCE

Government/Consultants & Educational Institutions  
 \_\_\_ \$265.00 Pre-Registration  
 \_\_\_ \$295.00 Pay at Door

ACPA Members  
 \_\_\_ \$290.00 Pre-Registration  
 \_\_\_ \$325.00 Pay at Door

Total: \_\_\_\_\_

\_\_\_ I would like to be invoiced after Jan. 1, 2013

Credit Card Payment Available at:  
[www.moksacpa.com/reservations.html](http://www.moksacpa.com/reservations.html)

( ) - ( ) - ( )  
 PHONE MOBILE FAX

If you would like to register now and be billed after the first of the year, please indicate that on your registration.

The room block is also available at this time. Just call 800-228-9290 and give them the Downtown Kansas City Marriott location, block name "ACPA".

# CHAPTER LEADERSHIP

## KC APWA 2013 OFFICERS

President - Robert Miller  
Vice President - Wayne Gudenkauf  
Secretary - Bill Stogsdill  
Treasurer - Tim Ross  
Past President - Dena Mezger  
Director (2<sup>nd</sup> Year) - Jerry Johnson  
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The APWA Pub News, a free publication of the Kansas City Metro Chapter of the American Public Works Association (APWA), is published in six issues throughout the year. To receive a free subscription, send an e-mail to [cmorgan@hntb.com](mailto:cmorgan@hntb.com) with "Beam Me Up!" in the subject line.

Publisher: Kansas City Metro Chapter of APWA  
Editor: Shannon Jeffries  
Staff: Tim Morgan

### INTERESTED IN WRITING FOR THE APWA PUB NEWS?

The Pub News staff welcomes announcements, news articles, photos and suggestions. A new issue will be published in March. The deadline for the next issue will be Friday, February 22<sup>nd</sup>, 2013. Deadlines will be strictly enforced. Electronic formats are preferred, but not required. Send your stories to Shannon Jeffries at [shannon.jeffries@cityofks.net](mailto:shannon.jeffries@cityofks.net).

### POLICY FOR THE USE OF THE APWA PUB NEWS, WEBSITE AND ELECTRONIC MAILING LIST

It shall be the policy of the KC Metro Chapter that the use of the "APWA Pub News, Website and Electronic Mailing List" by outside agencies shall abide by the following:

- Outside agencies, educational institutions, and not-for-profit organizations may utilize the Chapter's website for dissemination of approved items that are considered beneficial to our membership.
- Approval of these items may be granted by the Chapter President, the Newsletter Editor and the Website Committee. When requested, announcements from other organizations may be posted on the Chapter's website under "News" if the Newsletter/Communications Committee is provided electronic announcements in a format that can be posted without modification or editing.
- The Newsletter/Communications Committee may use the chapter's electronic mailing list for announcements to KC Metro Chapter members when the topic is related to an APWA activity or event. However, an announcement will not be sent before the Chapter event has been posted on the KC Metro Chapter website.

This policy was approved by the Executive Committee on November 19, 2008.

## APWA 2013 COMMITTEE CHAIRS

Audit & Budget - Shane Standley  
Awards - Melissa Prenger  
By-Laws/MDC Symposium/Nominating/Past Presidents - Dena Mezger  
Chapter Meetings - Rob Kline  
Communications and Publicity - Tim Morgan  
Community Service - Shawn Graff  
Diversity - Rebecca Bilderback & Nikki Guillot  
Education & Training - Jason Meyers  
Emergency Management & Homeland Security (PET) - Scott Ward  
Emerging Leaders - Nathan Hladky & Matt Spencer  
Engineering & Technology - Michael Haake  
Facilities & Grounds - John Skubal  
Fleet Services - Howard Mann  
Golf Tournament - Cory Clark  
Governmental Affairs—Joab Ortiz  
Historical - Ernie Longoria  
Holiday Party - Eric Strack  
K-12 Student Outreach—David Smalling  
Leadership & Management - Mike Beezhold  
Membership - Scott Cogan  
Membership BBQ & Steak Fry - Bob Rolle  
Mid-America Conference - Steve Schmidt  
Mo-Kan Street Superintendent - Robert Kluender  
Myron D. Calkins Scholarship - Shannon Jeffries  
National Public Works Week - Ryan Fleming  
Snow & Equipment Training Expo - Chris Porras  
Standards & Specifications - Dena Mezger  
Student Chapter - Hilary Fellows  
Sustainable Infrastructure - Scott Parker and Ann Schroer  
Transportation - Bob Netterville  
Utility & Public Right-of-Way - Ted Ingalls  
Water Resources Management - Chad Johnson

### Appointments, Liaisons, and Coordinators

Calendar/Events Coordinator - Connie Roberts  
International Affairs - Larry Frevert  
Joint Engineers Council - Jim Foil  
MCIB/KCMMB - Todd LaTorella  
Solid Waste Management - Nadja Karpilow

For contact information, visit: <http://kcapwa.net>