

# The Geosource Update

VOLUME 5 ISSUE 2

OCTOBER 1, 2013

## Great Rivers IECA Chapter Hosts Annual Conference in KCMO

Come join us on the Plaza!!!

ASP Enterprises  
 &  
Quick Supply Co.  
Locations:

**Corporate Office:**

1099 Cassens Ind. Ct.  
 Fenton, MO 63026  
 Phone: 636-343-4357  
 Toll-free: 800-869-9600  
 Fax: 636-343-4723

**Kansas City Office:**

109 NW Victoria Drive  
 Lee's Summit, MO 64086  
 Phone: 816-554-1191  
 Toll-free: 800-519-2304  
 Fax: 816-554-2262

**Omaha Office:**

15263 Cooper Street  
 Omaha, NE 68138  
 Phone: 402-861-8579  
 Toll-Free: 877-678-8027  
 Fax: 402-861-8592

**Wichita Warehouse:**

5755 S. Hoover Rd #5  
 Wichita, KS 67215  
 (316) 393-1554

**Quick Supply**

**Des Moines:**

6620 NW Toni  
 Des Moines, IA 50313  
 Phone: 515-289-1271  
 Toll-Free: 800-362-2245  
 Fax: 515-289-1272

**2013 Fall Conference**  
**Stormwater Solutions in the  
 Transportation Industry**

•½ day training sessions  
 •Engaging Presentations from State DOT's  
 •DOT Panel Discussion  
 •Environmental Leadership  
 •Vendors and Trade Show  
 •Excellent Networking Opportunities

**October 29-31, 2013**  
 Holiday Inn Country Club Plaza  
 Kansas City, MO

**SAVE THE DATES!**  
 Registration Information Coming Soon! [www.greatriversieca.org](http://www.greatriversieca.org)

## The Editor's Viewpoint: The Construction Industry

If you have read the papers recently, we are supposed to believe that the economy is in full recovery and everyone should start celebrating. While I am sure that is the case in some markets in the U.S., I have read some significant articles that suggest differently. According to the "Missouri AGC Voice", construction employment in Missouri is at the same level it was in 1993/94. Considering that during that time, employment was up 60%, there is a definite adjustment in the marketplace. MoDot construction spending during that same time frame was less than half of its peak in 2009. Survival in this time is dependent upon a company's flexibility.

Successful contractors today are looking at new construction practices, new project types to bid on, new owners to build relationships and even new geographic regions to work in. What we see is that contractors that are working are thinking outside the box and being creative problem solvers more than ever. Here at ASP and Quick Supply, we hope you will consider us when you are thinking "outside the box". We have several unique solutions that can frequently save you time and/or money compared to conventional construction. Please give your local representative a call to see how they can offer an alternative solution for you. Its what we do!!

Don Thieman, CPESC, LEED GA

# Product Spotlight



The Geopave was in-filled with angular stone and then surface treated with a decorative mulch.



Here is the completed porous pavement solution: Pioneer Village Park. An attractive finished look with the porous pavement to treat and store storm water.

**Product:** Geopave Porous Pavement System  
**Project:** Scott County Conservation Department- Pioneer Village Park  
**Owner:** Scott County  
**Key Contact:** Marc Miller, Deputy Director Scott County Conservation Board  
**Location:** Long Grove, IA

**GEOPAVE™**  
 porous pavement system



Project Info:

Pioneer Village is part of the Scott County Park System. It includes 18 historic buildings, some that were relocated from rural Scott County. The area was looking to improve the drainage and also wanted something that would confine the rubber mulch material that they were going to be putting down in front of the historic buildings.

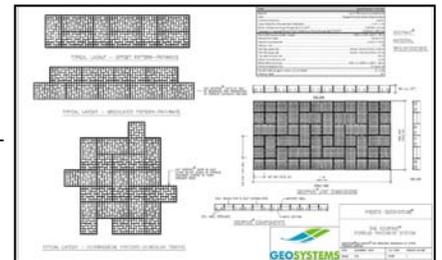
Product Info:

Geopave is specifically designed for confining and stabilizing porous infill materials. The system increases the bearing capacity for pedestrian or vehicular traffic, providing long term performance and minimal maintenance.

The mesh bottom encapsulates aggregate infill preventing material loss from the unit's bottom when exposed to repeated loading and freeze-thaw cycles.

The system's strong inherent mesh bottom creates a snowshoe effect that contributes to maximum load distribution.

Three layout patterns- offset, bricklayer and herringbone can be configured to address specific traffic needs. Strong U-Clip connection devices are used to quickly join adjacent Geopave units together in the desired pattern.



John Parenza, Quick Supply Co.

## Tell it like it is!!

**We want your feedback?**

What would you like as a part of this newsletter? What civil site solutions can we provide to solve problems you are having? We want to hear it all!!

We would love to hear from you. Email us at [news@aspent.com](mailto:news@aspent.com) and give us your thoughts. We are always looking to improve our services to our customers.



## ASP/Quick Supply Employee Profile

**Name:** Tamie Judkins  
**Branch:** Fenton, MO  
**Cell Phone Number:** (636) 343-4357



Tamie has been with ASP for 2 years. In a short time she has become a key component of our customer service experience in St. Louis (Fenton) as well as throughout ASP's entire region. Tamie always comes to work with a smile on her face and a spark in her step. Walk-in customers consistently comment on how great it is to come into the office and be greeted by Tamie.

Tamie has a husband, Jay, 2 daughters, Somer and Kristy and a son Brett who is playing football for Truman State University in Kirksville. She has been a football mom for many years and enjoys the time with her friends in the stands and watching her son play. Next time you talk to Tamie, ask here how her son is doing and if she has seen a game. We are sure that will spark a conversation.

# Geosource Solution Center

**Project Name:** Fontenelle Forest Channel Restoration

**Project Location:** Bellevue, NE

**Problem:** Old concrete lined channels had been undermined and had deteriorated over the course of time allowing severe erosion in various hollows and green scenic areas

**Solution:** Installing topsoil filled Presto GeoSystems' GeoWeb with North American Green's C350 Turf Reinforcement Matting as well as S150 Straw Mat

**Owner:** Fontenelle Forest, Gary Garabrandt, Director

**Contractor:** Sudbeck Construction, Melvin Sudbeck, Owner

**Background:**

Forest property runs throughout very steep bluffs adjacent to the Missouri River in Eastern Nebraska and is in the midst of various residential developments. The solution to urban runoff 20+ years ago was to line water ways with concrete or to just accept the inevitable damage due to that water flow. Severe undercutting and deterioration of the concrete liners and dense overgrowth had allowed large ravines to develop over the last 2-3 decades. The association had also acquired a section of the Fontenelle Hills Golf Course that needed similar repairs.

**Solution:**

One of the owners of the golf course was into ASP Enterprises' Omaha office and was introduced to and was enamored with the vegetated solution offered by the a composite system of a cellular confinement system and a Turf Reinforcement Mat (TRM). The project faded from view until the land acquisition and realization by the leadership at the non-profit assoc. that serious problems need- ed to be addressed. They filled out an application with NE Environmental Trust Fund for grants to fund the repairs. The City of Omaha, City of Bellevue, Papio MO River Natural Resource District, and the Army Corp of Engineers participated financially as well as in-kind labor from volunteers. Overall funding for the association's various projects exceeded \$1mil. A site visit by the contractor's superintendent Dana Jorgensen, ASP's Lynn Ewoldt and Di- rector Gary Garabrandt resulted in the final decision to use this soft armor system. Grading and various stormwater structure work was done over the course of 2 years ('11&'12) and much of the work was done during severe drought conditions. The following spring saw ex- cessive rains so conditions were not optimum for the growth of vegetation. Most of the mate- rials were installed by volunteers and the staff of 2 full and 2 part time employees.

**Results:**

Because of severe weather conditions a small amount of repair work was done this past spring where standing water had drowned vegetation. It has since fully vegetated and Gary Garabrandt believes the project leaves behind a low maintenance and permanent solu- tion and a proud legacy as he prepares to retire at the end of this year.

Brian D. Williams, CPESC



In an effort to be GREEN, we are offering our newsletter via email. We are working hard to keep the file size small to keep it easy to download.

We need one thing from you-your email address. We will not give your address out to any of our manufacturers, trade associations or anyone else. We value your security and would never jeopardize our relationship with you. We know we are in the era of way too many emails but we do hope you see a value in our newsletter. Subscribe today by going to [www.aspent.com](http://www.aspent.com) and go to the "Join Our Newsletter" section on the home page.



*This is the channel before work began. Severe erosion is obvious.*



*Immediately after construction, the Geoweb with C-350 on top can withstand significant forces.*



*Vegetated, shear stresses can exceed 15lbs per square foot.*

**Calendar of Events**

Oct. 14th: 18th Annual Jake Jare Memorial Golf Tournament; St. Louis, MO

[Click here](#)

October 29-31: Great Rivers IECA Annual Conference <http://www.greatriversieca.org>

Nov. 3-5: APWA MO Chapter Fall Conference, Lake of the Ozarks

[Click Here](#)

ASP/Quick Supply 2014 Clean and Green Sustainability Confer- ence and Expo

March 11th-Omaha

March 12th Des Moines

March 13th-KC, MO

March 14th St. Louis, MO

## Another “Big Red” Solution

ASP has created the Big Red AI (Area Inlet) Protector. Thanks to the tremendous success of the Big Red Curb Inlet Protector, we were able to expand the product line to solve another issue. Area inlets have always been a difficult one, with very few options, other than installing silt fence around them with limited effectiveness and frequent repairs to keep it up.



Our new Big Red AI Protector is meant to significantly outperform silt fence and be installed in minutes. A few of the features that are improved over silt fence are the high flow rate geotextile, the cross supports that make the whole assembly more rigid and its **reusability**. One issue with silt fence is its low flow rate that backs up water which ultimately overwhelms it and causes failures. The higher flow rate fabric, slows down the water enough to allow sediment to settle but still lets water through fast enough to not get overwhelmed. The cross supports also add to the Big Red AI Protector ability to withstand large rain events.

The Big Red AI Protector will come to you rolled up with all the fabric and bars you need to install it quickly. The fabric has pockets sewn into it to accept the corner supports. The cross braces are easily slid over the vertical corner posts and there are no tools required except a mallet to drive the posts into the ground.

One important note is that these still need to be trenched into the ground surrounding the inlet. Any inlet protection will only protect as good as its weakest point, and water is good at finding the weakest point. **The best part is-It’s Reusable!!**

Mark Stirnaman, CPESC-IT



The Big Red Curb Inlet Protector's effectiveness is rock solid.



Over 3 acres of disturbed land drain into this area inlet. Note the sediment build up.

### SWP-CI BIG RED Area Inlet Protector Product Reference

## GEO SOURCE

### Product

The Big Red Area Inlet Protector is a REUSABLE area inlet protector that keeps out sediment throughout the entire construction project. The Big Red Area Inlet Protector is made of highly durable permeable fabric and stiff iron supports to last as long as you need it. For correct installation, trenching the bottom 6 inches is critical.

### Fabric Properties

Property	Test	Units	Value
Weight	ASTM D5261	oz/sq yd	9.3
Grab Tensile Strength	ASTM D4632	lb	warp250 fill290
Tear Strength	ASTM D4533	lb	warp60 fill50
Burst	ASTM D3786	psi	440

### Installation

Simple installation also translates into simple removal, cleanup and re-use at the next project or phase. Maintenance is simple as well by digging away the sediment in front of the protector. If necessary, remove the steel support rods, knocking off the dirt and reinstall. If it is severely plugged with sediment, wash it off in a vegetated area and it is as good as new.



"Big Red" AI Protector, recently installed with trenched in bottom and tight sides.



"Big Red AI Protector with 4" sediment load after initial Rain Event.

**The Logo Corner:**  
Here are just a few of the Manufacturers we know and trust:

