



**USA™**

*presented by*

**Nelson Wesenberg**

Marketing Manager

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# Where We Do Business

7,400 Employees in North America



USA<sup>TM</sup>



HRI INC.



BRANSCOME  
COMPANIES



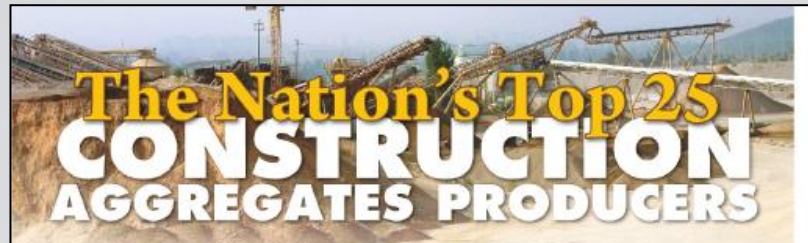
CONSTRUCTION CO.



# Colas USA Rankings



## 2011 Rankings, Aggregate Manager



2011 marked the first increase in production since 2006, with slight price increases as well.

U.S. production was 2.1 billion tons, a 3.7 percent increase from 2010. Construction aggregate production increased for the second year in a row, as the average unit price for aggregate increased by 2.1 percent. The average unit price for aggregate increased by 2.1 percent, according to the U.S. Geological Survey's (USGS) definition of aggregate, which includes crushed stone, sand and gravel. The USGS definition of aggregate includes crushed stone, sand and gravel. The USGS definition of aggregate includes crushed stone, sand and gravel. The USGS definition of aggregate includes crushed stone, sand and gravel.

by Jason Christopher Willett

### SPECIAL SECTION

- |  |  |  |   |
|--|--|--|---|
| <p><b>10. Rogers Group, Inc.</b><br/>421 Great Circle Road<br/>Nashville, TN 37228-1407<br/>Phone: 615-242-0585<br/>www.rogersgroupinc.com</p>                 | <p><b>14. Texas Industries, Inc. (TXI)</b><br/>1341 West Mockingbird Lane<br/>Dallas, TX 75247-6913<br/>Phone: 972-647-6700<br/>www.tix.com</p>      | <p><b>18. Dolese Bros. Co.</b><br/>20 N.W. 13th St.<br/>Oklaheima City, OK 73101-4806<br/>Phone: 405-235-2311<br/>www.dolese.com</p>   | <p><b>22. Mitsubishi Cement Corp.</b><br/>151 Cassie Way<br/>Henderson, NY 09014<br/>Phone: 702-932-3900<br/>www.mitsubishiment.com</p>                             |
| <p><b>11. New Enterprise Stone &amp; Lime Co., Inc.</b><br/>3912 Burnhough Road<br/>New Enterprise, PA 16664-9137<br/>Phone: 814-766-2211<br/>www.nesl.com</p> | <p><b>15. Ash Grove Cement Co.</b><br/>11011 Cody St.<br/>Overland Park, KS 66210-1313<br/>Phone: 913-451-8900<br/>www.ashgrove.com</p>              | <p><b>19. Colas Inc.</b><br/>163 Madison Ave., Suite 500<br/>Morristown, NJ 07960-7303<br/>Phone: 973-290-9082<br/>www.colas.com</p>   | <p><b>23. Ready Mix USA Holding Co. (now part of Cemex)</b><br/>2570 Raffner Road<br/>Birmingham, AL 35210-9914<br/>Phone: 205-986-4800<br/>www.readymixusa.com</p> |
| <p><b>12. Luck Stone Corp.</b><br/>515 Stone Mill Drive<br/>Warlock-Sebet, VA 23103-0261<br/>Phone: 804-784-6300<br/>www.luckstone.com</p>                     | <p><b>16. Lhoist North America</b><br/>3700 Hulen St.<br/>Fort Worth, TX 76107<br/>Phone: 817-733-8164<br/>www.lhoist.us</p>                         | <p><b>20. Mulzer Crushed Stone, Inc.</b><br/>534 Mazon St.<br/>Toll City, IN 47586-2446<br/>Phone: 812-547-7921<br/>www.mulzer.com</p> | <p><b>24. Graymont Ltd.</b><br/>#200-10701 Shellbridge Way<br/>Richmond, BC, V6V 4G6<br/>Phone: 604-276-9331<br/>www.graymont.com</p>                               |
| <p><b>13. Summit Materials, LLC</b><br/>2900 West<br/>Wayne<br/>Phone: 714-941-1111<br/>www.summitmaterials.com</p>  | <p><b>17. Granite Construction Inc.</b><br/>585 West Bay St.<br/>San Francisco, CA 94133<br/>Phone: 415-774-2200<br/>www.graniteconstruction.com</p> | <p><b>21. CalPortland Co.</b><br/>2025 East Financial Way<br/>Portland, OR 97238<br/>Phone: 503-253-2311<br/>www.calportland.com</p>   | <p><b>25. Eucon Corp.</b><br/>10000 Eucon Blvd.<br/>Eucon, VA 22031<br/>Phone: 703-443-1111<br/>www.euconcorp.com</p>   |

### 19. Colas Inc.

163 Madison Ave., Suite 500  
Morristown, NJ 07960-7303  
Phone: 973-290-9082  
www.colas.com

In 2011, aggregate production in the United States increased by 3.7 percent, according to the U.S. Geological Survey's (USGS) definition of aggregate, which includes crushed stone, sand and gravel. The USGS definition of aggregate includes crushed stone, sand and gravel. The USGS definition of aggregate includes crushed stone, sand and gravel.

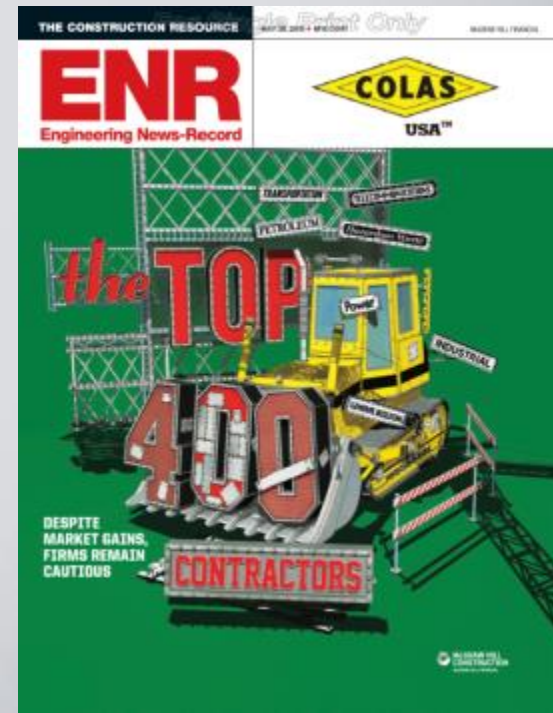
age unit price for crushed stone increased slightly compared with the average unit price for 2010, but was 20 percent higher compared with that of 2006.

The 10 leading companies, in descending order of crushed stone production in 2011, follow. These companies, with 986 active operations that produced rock from



## 2013 Rankings

- #9 in Transportation (Top 10 are Bechtel, Kiewit, Fluor, Walsh, Granite, Lane, Skanska, TutorPerini, Colas, Ferrovial)
- #4 in Highways (Top five are Lane, Granite, Kiewit, Colas and Fluor)
- #17 in Bridges
- #12 in Marine and Ports
- #20 in Airports



# World Class Research & Development



## **Colas Solutions' Technical Center (CSTC)**

Cincinnati, OH

AMRL (AASHTO Materials Reference Laboratory) certified in all aspects of soils, aggregates, asphalt mixes, asphalt binders and emulsions.



## **Colas Scientific and Technical Campus**

Paris, France

Large campus broken into two divisions:  
Liquid Asphalt and Asphalt Emulsion



# FiberMat®

## The Ultimate Crack Inhibiting Membrane



Meshing strength with flexibility  
for longer pavement life

**FiberMat®**  
Crack-inhibiting membrane



### FiberMat® Is Approved in the State of North Carolina

FiberMat® was just approved for use by the North Carolina Department of Transportation. It has been a long three year process started by our FiberMat® licensee Hammaker East placing two FiberMat® demonstration projects in New Hill, NC, with the help of Midland Asphalt's Tom Szarleta operating the FiberMat® Machine and Nelson Wessenberg from Colas Solutions operating the FiberMat® process in the MCDOT regional demonstration demonstrations. FiberMat Type another ¼ mile section (farm to mark composite roadway section which has widening cracks as well as typical ref Country because FiberMat® is a Crac weather to do its worst before reexa Product Evaluation Unit determined a couple of locations where cracks w received the typical asphalt overlay t last two winters."



Tom Szarleta, Midland

This is fantastic news but it does not information to help market and sell f As we know just because a product i us to show the benefits of the proce right roads.

FiberMat® has been assigned the NC Product Evaluation Program webpag

For further information contact Nels

Colas Solutions, Inc. 7374 Main  
T: 888.369.3163 • 513.272.5648 • F: 5



### FiberMat® wins head-to-head comparison with Paving Fabric on Michigan Interstate 75

FiberMat® was recently placed in the State of Michigan on seven miles of Interstate 75 and it all came about because FiberMat® out-performed paving fabric in a head-to-head comparison conducted by the Michigan Department of Transportation (MDOT). In 2012 MDOT compared FiberMat® Type B to a paving fabric on a 1 mile section of an HMA overlay project on Interstate I-75 in Chippewa Co. The paving fabric was placed on the north-bound passing lane and the FiberMat® was placed by Strawser Construction and Terry Materials on the south-bound passing lane, just north of the M-28 interchange. According to MDOT personnel, FiberMat® far out-performed the paving fabric in ease of installation and they found that the use of FiberMat® had resulted in little to none of the reflective cracks coming back through the resulting HMA overlay. Due to these results, MDOT let a new project in 2013 for seven miles of FiberMat® Type B on I-75 just north of St. Ignace, MI.



Strawser Construction placing FiberMat® on I-75 in Michigan's Ionia region



FiberMat® visible at center joint was exposed to 4th of July holiday weekend traffic with no reported issues

# FastTack™

## Rapid Breaking Pavement Bonding System



Fast breaking with superior speed and strength

# FastTack™

Using the Colnet® Process

Rapid-Breaking, Pavement Bonding System



For many years, bonding materials known as tack-coats were not given recognition for the important services they provide. Most were at best a necessary evil in the process. Many times they contributed to delays for expensive crews having to wait for emulsified tack coats to break before they could begin paving on the project.

As today's overlays get thinner and thinner, the importance of having a good bond between pavement layers is clearly evident. A strong bond between pavement layers is critically important for preventing delamination, maintaining a safe condition for users, and ensuring the long term life of a pavement.

- FastTack™ delivers high performance bonding with quick application
- FastTack™ breaks fast under a variety of climatic conditions
- FastTack™ minimizes delays waiting for tack to break and cure
- FastTack™ gets paving operations started faster saving money

### The secret to the success of FastTack?

FastTack™ utilizes conventional emulsion distributors which have been retrofitted with a specialized set of spray bars to apply a surface bonding adhesion agent. This is followed by a catalyst into the tack coat spray application to initiate setting of the tack coat quickly on the pavement surface. As the tack coat emulsion is applied, the added spray bars are used to control the break time and insure improved adhesion for the subsequent overlay materials.

### Pennies per gallon save thousands in delays

FastTack™ costs only pennies per gallon more than ordinary tack coats to apply yet saves thousands of dollars per day in reduced delays, improves paving operation productivity, and improves performance. Its many other advantages such as tailored track resistance make it a terrific option for every paving job.



# DustClear™

## Dust Palletizer and Stabilization System



When you don't want to kick up a lot of dust

**DustClear™**  
Dust Palliatives and Stabilization Systems



## DustClear™

### Materials for improving unpaved roads

Poor air quality. Poor visibility. Muddy, slippery and unsafe roads in wet weather. Dirt and dust all over everything in dry weather. Engineers estimate that a single vehicle introduces 4½ pounds of dust into the air when traveling at 30 mph for each mile of gravel road. And there are 1.3 million miles of unpaved roads in the US, as well as dust control needs at construction sites and quarries. Colas Solutions™ technical experts have engineered cost-effective products to mitigate these problems, while providing protection to the road surface and improving health, safety and the environment.



### Two Colas Solutions™ choices for controlling dust

DustClear™ is a water-based asphalt emulsion sprayed on the road surface, available in both anionic and cationic versions. Colas Solutions™ has formulated the emulsion with additives to penetrate the graded surface and leave residual asphalt that controls the dust while keeping the surface stable during wet and freezing weather.

DustClear™ G is an exciting new product, derived from renewable agricultural materials. This plant-based dust palliative effectively prolongs dust control on road surfaces and is one of the most environmentally-friendly products available. Both DustClear™ and DustClear™ G are sprayed by a distributor onto a graded surface. For optimal performance, the road material should be mechanically stable. Typical application rates depend upon the openness of the surface and vary from 0.20 to 0.50 gallons per square yard of diluted material. The products are ideal for gravel roads as well as other applications where dust is a problem.

Unlike cutbacks and other volatile dust palliatives, the water-based DustClear™ products don't release dangerous fumes into the air. And unlike products such as calcium and magnesium chloride, DustClear™ and DustClear™ G are both engineered to bond the surface together and add waterproofing for further road protection. They are not corrosive to vehicles and application equipment. Because they are not soluble in water, they are not easily leached away like the salts commonly used for dust control. DustClear™ treated roads need less regrading and less frequent retreatment.



### Durable and designed to last

Laboratory tests confirm that DustClear™ products achieve excellent penetration into the existing road surface, resulting in dust control that is long-lasting.

Both DustClear™ products effectively bind existing surface materials together in an environmentally responsible manner, to protect the structure below.





# EcoPatch®

## Permanent Patching and Pavement Repair Mix



A whole new natural way to fill and repair...

### EcoPatch®

Permanent Patching and Pavement Repair Mix



### EcoPatch® Benefits:

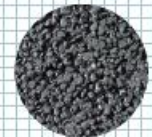
- Eco-friendly, permanent pavement repairs
- Bio-based and recycled mix formulas limit carbon emissions and VOCs
- Applies like conventional patch mixes with no special handling
- Durability and resilience of conventional cutback mixes without the hazardous petroleum solvents
- Versatile, easy to handle and store options for small or big jobs
- No need for heating or specialized handling equipment
- Patched areas can be recycled easily if necessary
- Low production temperature reduces fossil fuel consumption
- Bulk stockpiles can be stored outside in winter conditions

### Portable, ready to use packaging

- Clean, easy carry bags make it as simple as open, pour, spread, and compact, without the mess
- Carry a few bags in every truck to immediately treat potholes as they are discovered in the field
- Bags are ideal for small potholes - no need to mobilize a large crew and equipment
- Packaging is 100% recyclable
- Shelf life of up to 2 years



Using special eco-friendly additives, EcoPatch® is a revolutionary asphalt patching product that helps not only maintain road surfaces but can also prevent recurring pothole problems.



# FasBlack-M™

## High Performance Polymer Modified Fog Seal



### FasBlack-M™

#### High Performance Polymer Modified Bituminous Fog Seal

Pavement Professionals are always looking for ways to maintain and enhance asphalt pavements in a cost effective manner and the Colas Group of Companies has the perfect solution: FasBlack-M™.

FasBlack-M™ is a high performance, polymer modified, bituminous fog seal specially designed to improve the service life of road surfaces. It sets quicker than conventional fog seals, which means less interruption to traffic; depending on weather conditions, roads using FasBlack-M™ can normally be opened to traffic in half the time compared to conventional fog seals. In addition, FasBlack-M™ leaves the road black longer which provides extended UV protection and gives the road that black "new" look that the public loves. Raveling roads and low binder application chip seals can also benefit from FasBlack-M™; it's tough binding characteristics help to hold these problematic surfaces in place.

FasBlack-M™ was developed at Heartland Asphalt Materials and has been produced by Southeast Emulsion in Georgia, Terry Asphalt Materials in Michigan and Mountain States Materials in Wyoming. Recently Terry Asphalt Materials completed two FasBlack-M™ projects in Michigan: one at Davenport University in Grand Rapids, MI and the other on 22 miles of roadway in Kent County, MI. Both roads were opened to traffic in approximately 40 minutes and FasBlack-M™ has since performed exceptionally well.



Davenport University - Grand Rapids, MI



Kent County, MI

FasBlack-M™'s ability to set faster and stay black longer adds up to a superior, cost effective, high performance, polymer modified, bituminous Fog Seal.

If you would like to try FasBlack-M™ or want more information, contact:

Alan Harrison - Southeast Emulsions - [alan.harrison@southeastemulsions.com](mailto:alan.harrison@southeastemulsions.com)

Malcolm Smith - Terry Asphalt Materials - [msmith@terryasphalt.com](mailto:msmith@terryasphalt.com)

Mandy Monjares - Mountain States Materials - [mmandjares@mountainstatesmaterials.com](mailto:mmandjares@mountainstatesmaterials.com)

Matt Hunt - Heartland Asphalt Materials - [mhunt@heartlandasphaltmaterials.com](mailto:mhunt@heartlandasphaltmaterials.com)

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- Sets faster than conventional fog seals
- Stays Black Longer for that new look the public desires
- Longer UV protection
- Superior binding characteristics helps to hold problem surfaces together

Questions?

