

Genesee County successfully constructs their limestone unpaved road with Substrata's Perma-Zyme

Construction attracted road superintendents from all over the state including Oakland, Huron, and Livingston counties

HENDERSON, NEVADA, UNITED STATES, June 22, 2021 /EINPresswire.com/ -- Today Michigan's Genesee County and biochemical [enzyme manufacturer Substrata](#) announced the successful construction of an unpaved road [treated with Perma-Zyme](#) in Flushing, MI. The construction of the 1 mile long residential farm road brought in road superintendents from all over Michigan and was able to be completed in just one day.



Perma-Zyme treated road in Atlas, MI

“Our Carpenter road project went well. It is hardening up well with very little dust. We also had Huron, Livingston, and Oakland county road commissions show up to see the process and learn a little more about the product”, said Genesee County’s Director of Engineering Eric Johnston.

“

There was no road dust. It’s amazing. I would definitely recommend the product”

Shirley Kautman Jones

Genesee County had previously been using magnesium chloride to treat the road. Their cost of using magnesium

chloride was upwards of \$159,000 a year, not including material and labor costs. A standard 1 mile, 2 lane road constructed with Perma-Zyme costs \$6,000.

The county had to apply magnesium chloride multiple times throughout the year while Perma-Zyme only has to be applied once and creates a concrete-like surface that lasts up to 15 years with little to no maintenance. Perma-Zyme is also environmentally and worker friendly requiring no special protective equipment while chlorides including magnesium chloride have been shown

to be harmful towards the environment.

Flushing's unpaved road is primarily limestone with clay underneath. Typically Perma-Zyme requires 20 percent clay content for the product to work effectively, however Substrata did extensive testing on Genesee's soil and determined that Perma-Zyme can work with limestone present. Perma-Zyme has a positive charge and bonds with the negative charge in both clay and limestone which induces an electrochemical reaction that results in a concrete-like surface that gets stronger over time.

Flushing's road is not the first in Genesee County to use Perma-Zyme. Before 2013 Atlas, Michigan's Walker road was constantly giving its residents problems when it would tear apart in the spring.

"Walker road has 2 very low spots...the road would get giant frost boils which made the road impassable on several occasions. A lot of the people that lived there would park their car and walk", said Shirley Kautman Jones, former Vice Chairman of the Genesee County Road Commission.

Shirley took the product to the road commission where they decided to use it on Walker road.

"The people that lived on the road were very excited, after that point it was a huge success. We went over two years without applying calcium chloride to the road. There was no road dust. It's amazing. I would definitely recommend the product".



The Flushing road being constructed with Perma-Zyme



An unpaved road constructed with Perma-Zyme can last up to 15 years with little to no maintenance.

About Substrata

Substrata has quickly become the go-to bio-chemical manufacturer of enzyme-based products, serving government agencies, commercial businesses and farmers worldwide. Products created by Substrata are natural enzyme-based compounds that are ideal for road and [soil stabilization](#), soil conditioning, petroleum bioremediation, cleaning and odor control. To learn more about Substrata products, call 702.825.2500 or visit www.substrata.us.

About Genesee County

Genesee County Government is dedicated to preserving and enhancing the outstanding quality of life which has made our community a desirable place to live, work, and raise our children. Through the provisions of cost effective, superior services, Genesee County Government will ensure the promotion of orderly growth for the economic health and safety of its citizens.

Alfonso Martinez

Substrata

+1 702-825-5200

amartinez@substrata.us

Visit us on social media:

[Facebook](#)

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/544467405>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2021 IPD Group, Inc. All Right Reserved.