



Axion International (AXIH) Announces Purchase Order for STRUXURE™ building Products that will be used to construct a Vehicular Bridge in Logan County, Ohio

25 ft. span further signifies broadening industry confidence in 100% recycled plastic building materials for roadway short span bridges

NEW PROVIDENCE, N.J. – September 18, 2012 – Axion International Holdings, Inc. (OTCBB: [AXIH.OB](#)), a leader in recycled plastic and plastic composite technologies used to produce ECOTRAX™ rail ties and STRUXURE™ building products, today announced that the company has received a purchase order to provide materials for another vehicular bridge similar to the one completed earlier this year in York, Maine. This new structure, to be built in Logan County, Ohio, will measure just over 25 feet in length with a full abutment system using Axion's Recycled Structural Composite (RSC) under AASHTO HL93 standards.

“We’re extremely pleased to be awarded another purchase order for more of Axion’s 100% recycled plastic building materials that will be used to construct another vehicular bridge here in the U.S., and we feel it further validates that our products are meeting the needs of the infrastructure building industry,” stated Axion’s EVP of Building Products Dave Crane. “Axion is focused on producing quality products that compete with traditional building products and that those materials will exceed the requirements of our customers – for bridges or for any other use our customers may have. Other infrastructure projects built using Axion’s STRUXURE™ building materials are operating without incident in multiple structures supporting much heavier loads like 70+ ton tanks and 120+ ton railroad locomotives, so we’re absolutely confident that short-span vehicular bridges are an excellent application for our unique technology. Axion bridge systems like this one in Ohio that span 15’ to 25’ lengths are competitive with traditional building products on the first-cost investment and provide great value when considering long-term maintenance over

the life of the structure. Our Recycled Structural Composite provides an excellent solution for secondary road bridges in whatever kind of climate they may be needed.”

“We are excited to have the opportunity to build such a unique structure through the help of the Innovative Bridge Research and Deployment Program,” added Scott C. Coleman, P.E., P.S., Logan County Engineer’s Office. “The Onion Ditch Bridge (LOG-TR 174-0.56) will be on the north side of the Lions Club Park in West Liberty, OH. This structure brings together long lasting recycled plastic materials and the nostalgic look of timber construction to provide a highly visible attraction for the park and the annual Labor Day parade of antique tractors.

“Axion International was extremely helpful to us from the start of the planning for this project. They assisted us with preliminary engineering and cost estimates so that we could prepare and submit the Innovative Bridge Research and Deployment Program application. After we were awarded funding, they continued to have an active role in ensuring that we developed a bridge that would add to the aesthetics and character of the community. Parsons Brinkerhoff partnered with Axion to design a bridge that met the site requirement as well as all design standards. Both companies worked closely with our bridge engineers to keep the design, manufacturing, and construction costs within budget and they were always receptive of our design and constructability input. Both companies worked on an expedited schedule to meet our deadlines with the Ohio Department of Transportation for the federal aid program.

“This project incorporates recycled thermoplastic as well as some new member shapes and wearing surface treatments to make it truly the first of its kind. This will be a great project for the designer, manufacturer, and our community.”

The bridge design for this new structure in Logan County, Ohio, will be a 25’2” span, which will include abutments and back-wall, a pre-fabricated super structure and will consist of more than 100,000 lbs. of recycled plastic. It will also include Axion’s RSC guardrail and upon completion will be covered by normal roadway asphalt thereby appearing like any other short-span highway bridge.

Axion's STRUXURE™ building materials were created as a sustainable alternative to legacy building materials like wood, steel and concrete. STRUXURE™ Construction Systems provide excellent structural performance offer a low life-cycle costs (including competitive first time installation costs and far less maintenance costs) and sustainability. STRUXURE™ is durable, long lasting, environmentally sound and lighter and it is fully recyclable at the end of its life cycle. Construction costs can be lowered and maintenance costs can be virtually eliminated. Components can be pre-fabricated by Axion and shipped to installation sites for quick application.

For more information please visit the STRUXURE™ brochure online at:

<https://axion.box.com/s/x4cz9h7fmeqg0f57s8h5>

About Axion International Holdings, Inc.

Axion International Holdings, Inc. (OTCBB: [AXIH.OB - News](#)) develops, manufactures and sells rail ties and structural building products made from 100% recycled consumer and industrial plastics and plastic composites. It offers its ECOTRAX™ composite rail ties, and STRUXURE™ composite structural building products such as, I-beams, pilings, tongue and groove planking, and various sizes of boards for use in engineered design solutions, such as rail and tank bridges, pedestrian and recreation bridges, marinas, boardwalks, and bulk heading, throughout the world. Axion markets its composite products to the railroad industry, military, and industrial engineering and contracting firms. Axion International Holdings, Inc. was founded in 2006 and is headquartered in New Providence, New Jersey.

For additional information, please visit Axion's corporate website: www.axih.com

Forward-Looking Statements

This release contains "forward-looking statements" for purposes of the Securities and Exchange Commission's "safe harbor" provisions under the Private Securities Litigation Reform Act of 1995 and Rule 3b-6 under the Securities Exchange Act of 1934. These forward-looking statements are subject to various risks and uncertainties that could cause Axion's actual results to differ materially from those currently anticipated, including the availability of materials at favorable pricing, sufficient manufacturing capability and the risk factors identified in Axion's filings with the Securities and Exchange Commission.

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