



Axion International Receives Purchase Order to Supply Materials for First Plastic Bridge Used in Public Highway Applications in the U.S.

The Entire Bridge to Be Built Using Axion's 100% Recycled Plastic Composites, the First of Its Kind in the US Highway System

NEW PROVIDENCE, N.J. – October 21, 2011 – Axion International Holdings, Inc. (OTCBB: AXIH), a leading producer of industrial building products and railroad ties made from 100% recycled plastic and plastic composites, announced that through the existing relationship with its sales representative, Innovative Green Solutions, LLC (IGS), it has received a purchase order from the town of York, Maine for Axion's innovative Recycled Structural Composite (RSC) material, which will be used in the construction of a plastic bridge. This bridge will be the first of its kind used on a public highway in the United States, and the first plastic vehicular bridge in the state of Maine.

The bridge will be approximately 26 feet wide x 15 feet long and will be used to replace an existing concrete box culvert. The bridge has been designed to meet AASHTO (American Association of State Highway and Transportation Officials) LRFD Specifications for HL-93 vehicular load. The bridge will consist of a single-span, with curbing, abutment headwalls and wingwalls. Upon final installation, the bridge deck will be covered in gravel and surfaced with asphalt pavement. The larger structure will provide a more effective passage for water, fish and aquatic organisms from Shorey Pond under Birch Hill Road, which runs between SR-91 and Beech Ridge Road in the town of York.

"We are thrilled to be a part of this green bridge project in Maine," stated Steve Silverman, Axion's President and CEO. "As the first 100% recycled plastic vehicular bridge is being built on a US highway system, Axion is pleased that our relationship with the town of York could make this bridge a reality. Going forward Axion hopes to see continued acceptance of our recycled plastic products, as our management team remains committed to maintaining a diversified sales pipeline with a growing number of opportunities around the United States, and internationally as well."

The bridge is adjacent to the historic York River and is located on a town road to the West of York Harbor. It was commissioned by the town of York and designed and reviewed by engineering consulting firms Parsons Brinckerhoff and CLD Consulting Engineers, and will be constructed by Maritime Construction and Engineering. The bridge will be manufactured and prefabricated at Axion's plant in Portland, Pennsylvania and will be shipped to Maine via container ship before installation. Due to the pre-fab nature of the bridge, it is expected to be assembled onsite with relative ease and speed. The bridge is planned to be fully manufactured and installed before Maine's winter season in 2011.

Dean Lessard, Director of Public Works for the town of York Maine, commented, “This bridge will be a great addition to our historic, forward thinking and environmental conscience town. Our Board of Selectmen were extremely supportive in utilizing recycled plastic technology to replace the undersized culvert that was prone to causing that section of Birch Hill road to flood. I recommended thermoplastic over other options due to the structure’s timber like appearance and the product’s environmental credentials combined with its durability and minimum maintenance requirements. We look forward to working with CLD, Parsons Brinckerhoff, IGS, Axion and Maritime Construction on this thermoplastic project, as well as on other potential development opportunities going forward.”

Vijay Chandra, National Director of Structures and Dr. John Kim, Senior Professional Associate at Parson Brinckerhoff, Inc. said, “We are pleased to have the opportunity to work on the first vehicular bridge in the state of Maine designed from 100% recycled plastic. It’s a pleasure to work with the town of York on this eco-friendly bridge and be given the opportunity to design with Axion’s products, which are some of the most exciting new structural materials in the marketplace today with distinct advantages over conventional alternatives.”

About Innovative Green Solutions

Innovative Green Solutions (IGS) is a woman owned small business and an Axion preferred partner for sales and distribution to the federal government. IGS understands our nation’s need to create sustainable green solutions in our construction, transportation and facilities management projects and is positioned to “Preserve Tomorrow with Today’s Solutions”. For more information please visit: www.igsfederal.com

About Parsons Brinckerhoff

Parsons Brinckerhoff (PB) is a leader in developing and operating infrastructure around the world, with 15,000 employees dedicated to meeting the needs of clients and communities in the Americas, Europe, Africa, the Middle East, Asia and Australia-Pacific regions. PB offers skills and resources in strategic consulting, planning, engineering, program/construction management, and operations for all modes of infrastructure, including transportation, power, community development, water and the environment. For more information please visit: www.pbworld.com.

About Axion International

Axion International Holdings, Inc. (OTCBB: AXIH) develops structural building products in the United States and internationally from 100% recycled consumer and industrial plastics. It offers structural composite railroad crossties, structural composite I-beams, tongue and groove planking, and various sizes of boards for use in engineered design solutions, such as rail track, rail and tank bridges, pedestrian and recreation bridges, marinas, boardwalks, and bulk heading. The Company markets its structural 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.axionintl.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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