Structural Design Standard for Interlocking Concrete Pavement Released

The Interlocking Concrete Pavement Institute (ICPI) is pleased to announce the publication of a North American standard for the structural design of interlocking concrete pavement for municipal streets and roadways from the American Society of Civil Engineers (ASCE).

Herndon, VA (PRWEB) August 23, 2010 -- The Interlocking Concrete Pavement Institute (ICPI) is pleased to announce the publication of a North American standard for the structural design of interlocking concrete pavement for municipal streets and roadways from the American Society of Civil Engineers (ASCE). The standard was developed by a consensus standards development process accredited by the American National Standards Institute (ANSI).

In 2004, the ASCE Transportation and Development Institute and ICPI began a joint effort on the development of the ASCE/ANSI standard guideline for the Structural Design of Interlocking Concrete Pavement for Municipal Streets and Roadways for design professionals. A product of more than five years of effort by a multi-national committee, this standard represents the first structural design standard for interlocking concrete pavement for municipal streets and roadways.

The ASCE design standard allows designers to develop a cross section design structure for their pavement based on three site specific conditions: estimated equivalent single axle loads (ESALs), subgrade strength and subgrade drainage. The standard provides design guidance for four typical base materials which are unbound aggregate, asphalt treated, cement treated or asphalt concrete. The typical initial design life for municipal pavements is on the order of 20 to 40 years.

David Hein, P.Eng., chair of the 12 member committee commented, “This standard is a major step forward in assisting municipalities and design professionals in designing and specifying interlocking concrete pavement for roadway applications”

The design standard publication (ASCE/T&DI/ICPI 58-10) is currently available from the American Society of Civil Engineers at www.asce.org. For more information on interlocking concrete pavements visit www.icpi.org or call 703-657-6900.

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