

Modjeski and Masters Helps Create New U-Girder Standards

PennDOT issues strike-off letter for spliced post-tensioned concrete U-girders

Mechanicsburg, Pa. ([PRWEB](#)) June 21, 2016 -- The bridge design and engineering firm [Modjeski and Masters](#) announces that new spliced post-tensioned concrete U-girder standards, which it helped develop, are approved by the Pennsylvania Department of Transportation (PennDOT). PennDOT issued [strike-off letter number 483-16-04](#) for the new product. The new standards are immediately available for use throughout Pennsylvania by designers, contractors and owners. Presently, they can be used for Design-Build projects, or as an Alternate Bridge Type at the discretion of the PennDOT District Executive.

Gregg Reese, PE, president of Summit Engineering Group, a Modjeski and Masters subsidiary, led the development of the standards. Reese and Summit have deployed similar design techniques with great success in Colorado, Texas and Florida.

“We’ve developed a set of standards that can help designers, contractors and project owners be more efficient, cost-effective and innovative,” said Reese. “With the economies of concrete being what they are at the moment, these standards can help budget-conscious organizations do more with less. They also assist in accelerated construction, meaning less interruption to the general public. We know Pennsylvania will benefit from these new standards in the same ways we’ve seen across the country.”

The [spliced post-tensioned concrete U-girder](#) used in a continuous unit is permitted either for tangent structures or horizontally curved structures. The U-girders are to be designed/analyzed to meet AASHTO, Design Manual, Part 4 criteria and the standards provided details, erection alternates and grouting specifications. A Load Rating Table and Rating Procedure must be incorporated on the Contract Drawings based on both the actual post-tensioned tendon configuration and an equivalent number of single-strand configuration.

For more information about Modjeski and Masters’ concrete bridge expertise, visit:
<http://www.modjeski.com/Services/detail.aspx?service=SegmentalConcrete>

About Modjeski and Masters

Modjeski and Masters is one of the world’s leading bridge engineering firms, with a reputation for technical excellence and innovation that goes beyond current standards. Established more than 120 years ago, the firm is responsible for the design and maintenance of some of our nation’s most recognizable structures. Services include fixed and movable bridge design, inspection and rehabilitation, and all facets of life-cycle maintenance, research and code development. For more information, including in-depth videos of Modjeski and Masters at work, please visit www.modjeski.com.

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