

IA 163 Floyd River Bridge



Location: Sheldon, IA, USA

Date: 2018

Contractor: WALO

Solution and technologies: Ductal Overlay

Introduction

In partnership with Iowa State University and Iowa State DOT, with participation from Wapello and Buchanan counties in Iowa, this project was the first to implement overlay application of UHPC using automated paver system brought by Walo from Europe.

Challenge

The challenge was to utilize the automation aspect of finishing Ductal[®] UHPC overlay to a smooth riding surface using a specialized paving system utilized on a major project in Europe. Prior to this, applications utilized small scale vibratory screeds.

Description

The project in partnership with Walo and Ductal[®] allow both partners to bring UHPC Material and placement/paver finishing know how to provide the first overlay project in the USA using this combination of technologies. The project was completed successfully using staged construction while maintaining traffic over IA-163.

