



Award of Merit

Milton-Madison Bridge Replacement Project



Consultants

Buckland & Taylor Ltd.

Owner/Clients

Indiana Department of Transportation
Kentucky Transportation Cabinet

Client

Walsh Construction Inc.

Prime Contractor

Burgess & Niple Inc.

Category

Transportation & Bridges

The old Milton-Madison Bridge, built in 1929, was narrow, deteriorating, and functionally obsolete but provided an essential link to the nearby communities. The joint owners, the Kentucky Transportation Cabinet and the Indiana Department of Transportation, decided to replace the bridge.

The entire superstructure was replaced with a new wider truss bridge and new approach spans. Most of the piers supporting the new superstructure were rehabilitated existing piers.

Walsh Construction of Crown Point, Indiana teamed up with Burgess & Niple of Columbus, Ohio, and Buckland & Taylor for the project. Buckland & Taylor performed both the design and the construction engineering for the main spans. In addition to coming up with efficient designs for the new structure, the challenge for the bid design team was finding a creative solution to eliminate the need for a long bridge closure and reduce construction risk associated with schedule.

The team developed a solution that allowed the existing bridge to remain open to traffic during pier rehabilitation, while the new bridge superstructure was constructed alongside on temporary piers. Traffic was then diverted onto the new structure and the old superstructure and pier tops were demolished. Temporary access ramps allowed the new approaches to be completely built in their final position. In early 2014, the bridge will be closed for a few days and the entire new superstructure slid into final position.

The Milton-Madison Bridge Project has the distinction of being the longest truss slide in North American history.

For more information, please contact:

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