

HR-263, Engineering Study to Redesign the 24-Foot Secondary Bridge Standards

Abstract

County engineers in Iowa make substantial use of secondary road standards. The standards have been developed and financed through the Secondary Road Research Fund. This has resulted in substantial savings because counties can use the standards and avoid paying for design each time a structure is built.

The tasks involved in this project were as follows:

1. Redesign 24-foot roadway standard H13, Simple Span and Multiple Span Prestressed Concrete Beam Bridges, to carry AASHTO H20 loading.
2. Redesign 24-foot roadway standards J5 and J6, Simple Span and Multiple Span Concrete Slab Bridges, to carry AASHTO H20 loading.
3. Develop high wood abutment standards for 24-foot roadway and for 30 foot roadway standard bridges including:
Prestressed Concrete Beam Standards H13 and H30
Concrete Slab Standards J5, J6 and J30

This project was reopened in 1994 with conversion of all of the affected bridge standards to the metric system.