



AWS D1.1 Interpretation

Subject: Change from “Bridges” to “Dynamically Loaded Structures”
Code Edition: D1.1-90
Code Provision: Subsection 4.15
AWS Log: ID1-90-005-03

Inquiry: Why were the words “bridge members” in subsection 4.15.2 of D1.1-88 changed to “dynamically loaded structures” in D1.1-90?

Response: Subsection 4.15 was changed by the 1990 Edition of the Code to be consistent with the other sections of the Code. However, the intent has remained the same. In the 1985 Edition of the Code, Section 9 was titled “Design of New Bridges.” In the 1988 Edition, this section was changed to “Dynamically Loaded Structures.”

AWS D1.1, Structural Welding Code—Steel, is prepared by the AWS Structural Welding Committee. Because the Code is written in the form of a specification, it cannot present background material or discuss the committee’s intent.

Since the publication of the first edition of the Code, the nature of inquiries directed to the American Welding Society and the Structural Welding Committee has indicated that there are some requirements in the Code that are either difficult to understand or not sufficiently specific, and other that appear to be overly conservative.

It should be recognized that the fundamental premise of the Code is to provide general stipulations applicable to any situation and to leave sufficient latitude for the exercise of engineering judgment. Another point to be recognized is that the Code represents the collective experience of the committee; and, while some provisions may seem overly conservative, they have been based on sound engineering practice.