



Until the standards can be updated the following note should be included on the bridge plans:

THE CONTRACTOR WILL BE ALLOWED TO SUBSTITUTE 1/8 INCH NEOPRENE SHEETS WITH 50 DUROMETER HARDNESS IN PLACE OF THE 1/8 INCH LEAD SHEET ON THE BEARING DETAILS. THE NEOPRENE SHEETS SHALL BE 1 INCH GREATER IN LENGTH AND WIDTH THAN THE BOTTOM SURFACES OF THE MASONRY PLATES OR STEEL BEARINGS. PAYMENT FOR STRUCTURAL STEEL WILL INCLUDE NO DEDUCTION IN STEEL WEIGHT DUE TO ELIMINATION OF THE LEAD SHEETS AND/OR NO ADDITIONAL COSTS ASSOCIATED WITH THE ADDITION OF THE NEOPRENE SHEETS.

References:

AASHTO/NSBA Steel Bridge Task Group 9, Bearings. *Standard G9.1, Guidelines for Steel Bridge Bearing Design and Detailing*. Draft, November 19, 2003.

Riddington, John R. and Manjinder K. Sahota. "Mechanical Properties of Lead in Compression." *Journal of Materials in Civil Engineering*, Vol. 15, No. 4, August 1, 2003, pp 323-328.

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