

Prepared in cooperation with
South Dakota Department of Transportation

Evaluation of Factors Affecting Ice Forces at Selected Bridges in South Dakota

Water-Resources Investigations Report 02-4158



U.S. Department of the Interior
U.S. Geological Survey

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By Colin A. Niehus

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GALE A. NORTON, Secretary

U.S. Geological Survey

Charles G. Groat, Director

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For additional information write to:

**District Chief
U.S. Geological Survey
1608 Mt. View Road
Rapid City, SD 57702**

Copies of this report can be purchased from:

**U.S. Geological Survey
Information Services
Building 810
Box 25286, Federal Center
Denver, CO 80225-0286**

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CONVERSION FACTORS AND VERTICAL DATUM

	Multiply	By	To obtain
	cubic foot (ft ³)	28.32	cubic decimeter
	cubic foot (ft ³)	0.02832	cubic meter
	cubic foot per second (ft ³ /s)	0.02832	cubic meter per second
	foot (ft)	0.3048	meter
	inch	2.54	centimeter
	inch	25.4	millimeter
	inch per second (in/sec)	2.54	centimeter per second
	mile (mi)	1.609	kilometer
	pound, avoirdupois (lb)	0.4536	kilogram
	pound per square inch (lb/in ²)	6.895	kilopascal
	square inch (in ²)	6.452	square centimeter
	square mile (mi ²)	2.590	square kilometer

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$

Temperature in degrees Fahrenheit (°F) may be converted to degrees Celsius (°C) as follows:

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) / 1.8$$