

## GUIDELINES TO IOWA NONFLAMMABLE PIPELINE CROSSING

- 1. Horizontal distances, in cross section AB on the Specification Exhibit, to be measured at right angles from centerline of track, except as noted.
- 2. Allowable fixed objects include: back walls of bridges, centerline of road crossings and overhead viaducts (give road name), or centerline of culverts.
- 3. Installation shall be in accordance with Iowa Utilities Board Rule 199 IAC 42.7.
- 4. Steel Casing Wall Thickness Chart:

Minimum Thickness		Diameter of Casing Pipe
0.2500"	1/4"	12" or less
0.3125"	5/16"	Over 12" – 18"
0.3750"	3/8"	Over 18" – 22"
0.4375"	7/16"	Over 22" – 28"
0.5000"	1/2"	Over 28" – 34"
0.5625"	9/16"	Over 34" – 42"
0.6250"	5/8"	Over 42" – 48"

or American Railway Engineering and Maintenance Right-of-Way Association (AREMA) Manual for Railway Engineering, Chapter 1, Part 5, Table 1-5-5.

- 5. The form specifies that one or more available dimensions are requested, but providing additional dimensions will help the Railroad process the application more quickly.
- 6. It is recommended that the Railroad be contacted in advance for fiber optic cable and railroad signal locations.
- 7. For unusually large pipeline crossings that do not involve special circumstances, or for crossings where geotechnical study has identified potentially destabilizing soil conditions, the railroad company may require that a railroad representative be present during installation, and may also require the presence of a survey crew to monitor the tracks for any change in alignment.
- 8. Nearest Railroad Town means nearest town on the railroad in each direction. If not known, reference the Iowa DOT Rail map at <a href="https://iowadot.gov/iowarail/iowa-freight-rail/railroad-maps">https://iowadot.gov/iowarail/iowa-freight-rail/railroad-maps</a>.