
DISTRIBUTION UNDERBUILD (if applicable)

44. Name of Owner: Interstate Power and Light Comany
45. Nominal Voltage: 12.5 KV
46. Number of Distribution Phase Conductors: 3 and 2
47. Neutral is Multi-grounded Multi-Grounding Frequency: At each structure, except dead ends

Vertical Overhead Clearance Requirement* for the Phase Conductors

	<i>Surface</i>	<i>Basic Clearance</i>	+	<i>Additional Adders</i>	=	<i>Clearance</i>
48.	<i>Open Ground</i>	18.5 ft.	+	ft.	=	18.5 ft.
49.	<i>Roads</i>	18.5 ft.	+	ft.	=	18.5 ft.
50.	<i>(no RR crossings)</i>	ft.	+	ft.	=	ft.
51.	<i>(no water surfaces)</i>	ft.	+	ft.	=	ft.

* The Iowa Electrical Safety Code and the applicable edition of the NESC should both be referenced to determine the conditions at which the above clearances apply.

Vertical Overhead Clearance Requirement* for the Neutral Conductor (if applicable)

	<i>Surface</i>	<i>Basic Clearance</i>	+	<i>Additional Adders</i>	=	<i>Clearance</i>
52.	<i>Open Ground</i>	15.5 ft.	+	ft.	=	15.5 ft.
53.	<i>Roads</i>	15.5 ft.	+	ft.	=	15.5 ft.
54.	<i>(no RR crossings)</i>	ft.	+	ft.	=	ft.
55.	<i>(no water surfaces)</i>	ft.	+	ft.	=	ft.

* The Iowa Electrical Safety Code and the applicable edition of the NESC should both be referenced to determine the conditions at which the above clearances apply.

56. Support Arm Type: Crossarm Material: Wood Dimensions: 12' x 5" x 4" or 10' x 4.75" x 3.75"

TYPICAL STRUCTURE DRAWING

57. A drawing of a typical tangent structure, as described in the instructions, has been attached.

ADDITIONAL DRAWINGS REQUIRED FOR NEW CONSTRUCTION

58. Angle structures will be used in this segment of line. A drawing of a typical angle structure, as described in the instructions, has been attached.
59. Dead-end structures will be used in this segment of line. A drawing of a typical dead-end structure, as described in the instructions, has been attached.
60. There are no grain bins along this segment of line. Drawings showing the clearance envelope for each grain bin in relation to the proposed line are not required.