

Wind Load

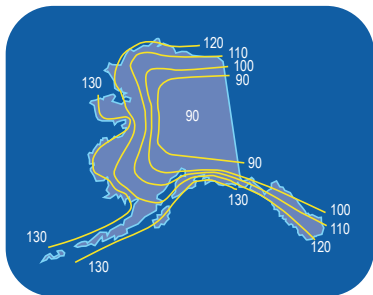
The wind load is a key factor when determining the design of your new lighting system. Wind speeds from AASHTO wind load map are used to engineer your system's structural integrity. Wind speed values are based on peak mean hourly wind speeds for a 50 year return period, 32.8 feet above the ground. This is stated in the AASHTO standards specifications for structural supports for highway signs, luminaires and traffic signals. When using this map, caution is advised in using the wind velocity contours in special wind areas such as mountain, great lakes and coastal regions. Hawaii uses a 105 MPH wind velocity, while Canadian data is based on peak mean hourly wind speeds for a 30 year return period, 30 feet above ground. This map is intended as a general guide and more localized analysis may be required. Please consult factory.

NOTES FOR U.S.

1. Values are 3-second gust speeds in MPH at 10 m (32.8 ft) above ground for Exposure C category and are associated with an annual probability of 0.02 (50 year mean recurrence interval).
2. Linear interpolation between wind speed contours is permitted.
3. Islands and coastal areas shall use wind speed contour of coastal area.
4. Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.

Hawaii	105MPH
Puerto Rico	145MPH
Guam	170MPH
Virgin Islands	145MPH
American Samoa	125MPH

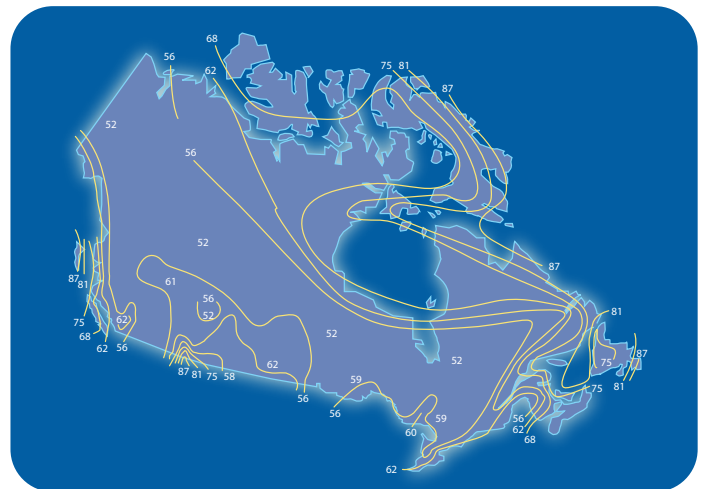
Alaska



Note:
For coastal areas and islands, use nearest contour.

Map Data: AASHTO Standard 2001

Canada



United States

