

# Wind Map

2009 AASHTO LTS-5 specification 3-second gust basic wind speeds (mph) with gust effect factor (G) of 1.14 and 25 year design life wind map (ASCE 7-05) is shown above. This wind map should be used to determine wind velocity for your specific location. If you are located between two different velocity isotach lines, the higher velocity should be used. Local isolated high wind conditions can be devastating to poles and luminaires not designed for such conditions. Additionally, constant winds in the 10-25 mph range can severely damage certain poles and luminaires by vibration. Follow the guidelines shown in the map.

*Wind Speeds - Other Regions*

| LOCATION       | MPH    | (M/S)   |
|----------------|--------|---------|
| Hawaii         | 105    | (47)    |
| Puerto Rico    | 145    | (65)    |
| Guam           | 170    | (76)    |
| Virgin Islands | 145    | (65)    |
| American Samoa | 125    | (56)    |
| Alaska         | 90-130 | (40-58) |

