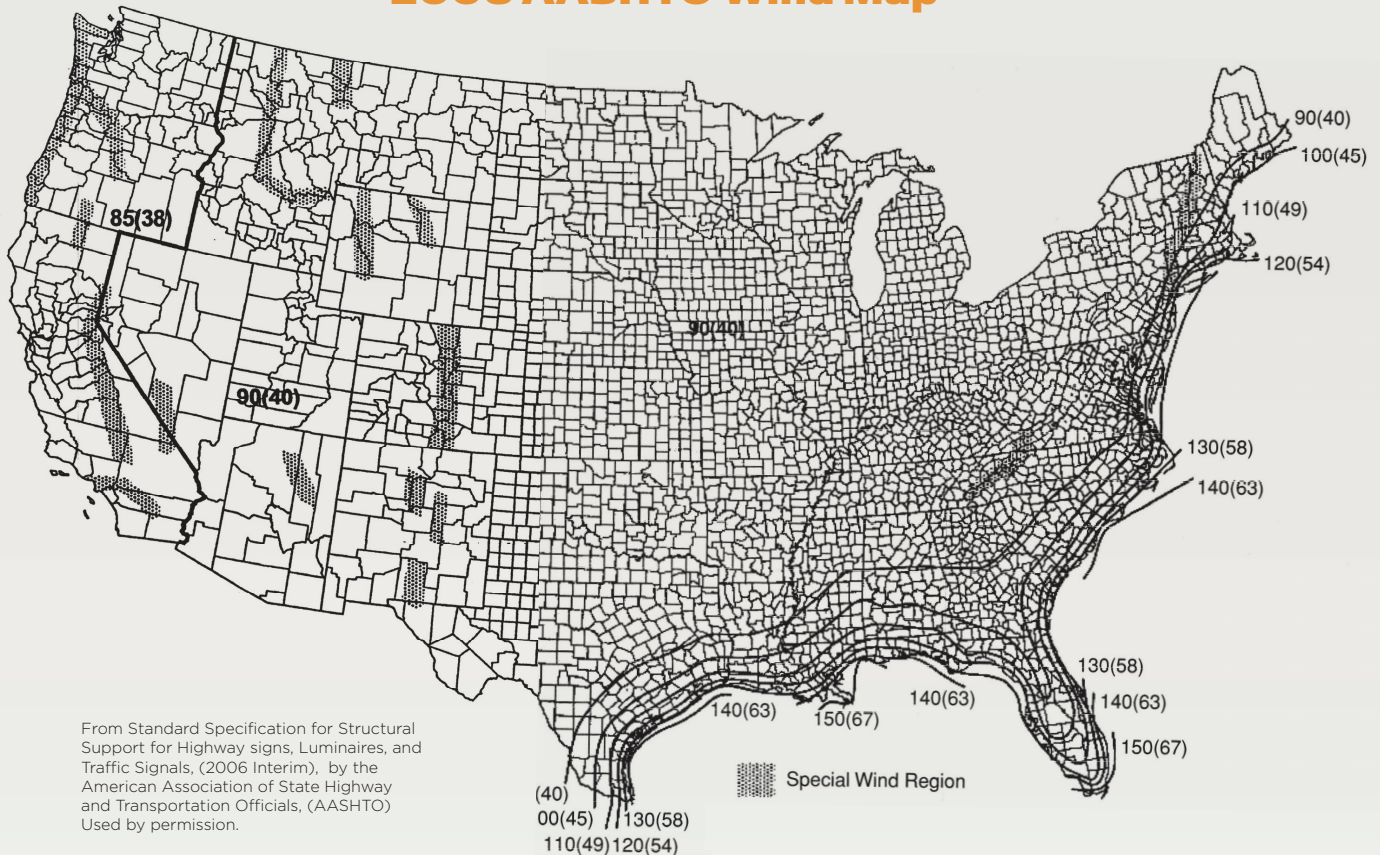


# 2006 AASHTO Wind Map



## Notes

- Values are 3-second gust speeds in m/s (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)
- The wind map is intended as a general guide. Always consult local authorities to determine maximum wind velocities, gusts, and special conditions for your installation.
- Hawaii has a 105 mph wind velocity.
- Puerto Rico has a 125 mph wind velocity.
- Caution must be taken when selecting wind velocity in special wind regions as indicated in the map above. These areas include:
  - Open land, oceans, or large bodies of water
  - Mountainous regions and gorges
  - Areas where extreme wind conditions such as hurricanes and tornadoes are common.
- The effective projected area (EPA) of the sum of all fixtures and arms must not exceed the maximum allowable pole EPA for the selected design wind speed.
- It is the responsibility of the specifier to correctly select a pole for a given wind load per the
- AASHTO standards.
- Pole foundations should be designed per the soil conditions and local codes. Structura does not offer foundation design recommendations.
- Consult the factory for luminaire arms greater than 24" in length and luminaires greater than 50 lbs.

## Bol-S and Bol-T Series

Overall Pole Height (ft)	Base Dimensions		Allowable Pole EPA						
	Diameter (in)	Height (in)	90mph	100mph	110mph	120mph	130mph	140mph	150mph
8'	5 1/2"	32"	21.0	16.8	15.1	12.6	10.7	9.2	8.0
10'	5 1/2"	32"	14.5	11.5	10.2	8.5	7.2	6.1	5.3
12'	5 1/2"	32"	10.6	8.2	7.3	6.0	5.0	4.3	3.7
14'	5 1/2"	32"	7.9	5.9	5.2	4.3	3.5	3.0	2.4
14'	7"	32"	19.7	15.4	13.7	11.3	9.5	8.1	7.0
16'	5 1/2"	32"	5.9	4.2	3.7	2.9	2.3	2.0	1.6
16'	7"	32"	15.7	12.0	10.6	8.7	7.3	6.2	5.3
18'	5 1/2"	48"	5.2	3.6	3.1	2.5	2.0	1.6	1.3
18'	7"	48"	14.3	10.8	9.6	7.8	6.5	5.5	4.7
20'	5 1/2"	48"	3.5	2.2	1.8	1.4	1.0	-	-
20'	7"	48"	11.1	8.1	7.1	5.7	4.7	3.9	3.3
22'	7"	48"	8.5	5.9	5.1	4.0	3.2	2.6	2.1
24'	7"	48"	6.3	4.0	3.4	2.6	2.0	1.5	1.2

## Bol-RSQ Series

Overall Pole Height (ft)	Base Dimensions		Allowable Pole EPA						
	Diameter (in)	Height (in)	90mph	100mph	110mph	120mph	130mph	140mph	150mph
8'	5 1/2"	32"	20.3	16.1	14.3	11.7	9.7	8.1	6.8
10'	5 1/2"	32"	13.6	10.5	9.2	7.3	5.8	4.7	3.7
12'	5 1/2"	32"	9.4	7.0	5.9	4.5	3.3	2.4	1.7
14'	5 1/2"	32"	6.4	4.5	3.6	2.4	1.4	-	-
14'	7"	32"	17.8	13.5	11.6	8.9	6.8	5.2	3.9
16'	5 1/2"	32"	4.2	2.5	1.7	-	-	-	-
16'	7"	32"	13.5	9.8	8.2	5.9	4.1	2.7	1.6
18'	5 1/2"	48"	3.4	1.8	1.1	-	-	-	-
18'	7"	48"	12.0	8.5	7.0	4.9	3.2	1.9	-
20'	7"	48"	8.4	5.4	4.2	2.3	-	-	-
22'	7"	48"	5.5	2.9	1.8	-	-	-	-
24'	7"	48"	3.0	-	-	-	-	-	-