

23. ELECTRICAL TRANSMISSION LINE (ETL)

Typical Construction

- Single wood poles with wood cross arms
- Single steel or concrete poles with metal cross arms
- Metal trussed towers

Table 23

DOD*	Damage description	EXP	LB	UB
1	No visible damage	83	70	98
2	Broken wood cross arms	99	80	114
3	Wood poles leaning but not broken	108	85	130
4	Broken wood poles	118	98	142
5	Bent or broken steel or concrete poles	138	115	149
6	Collapsed metal trussed towers	141	116	165

* DOD is degree of damage

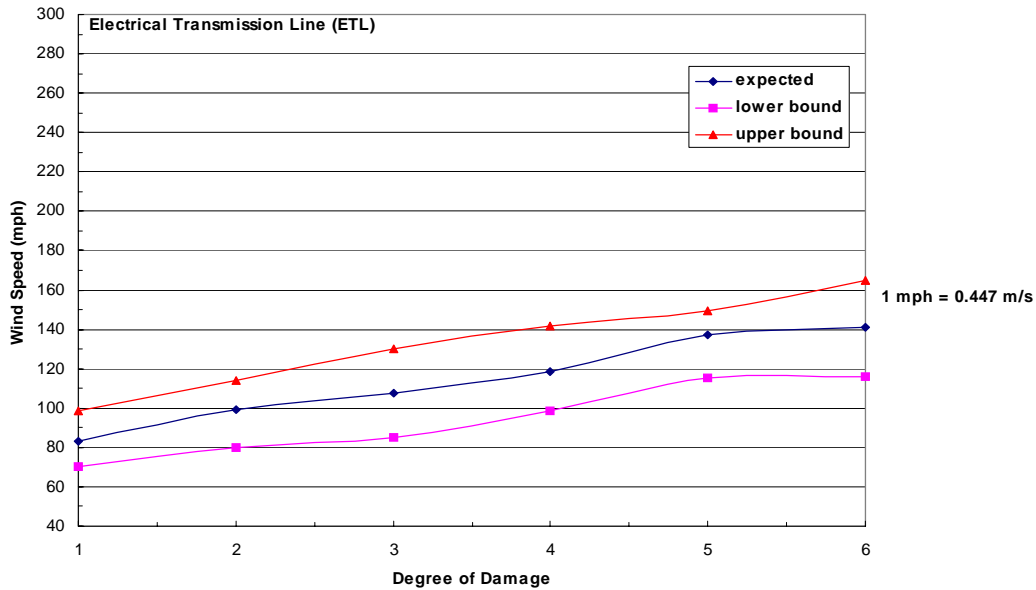


Figure 23. Wind Speed vs. Degree of Damage