NEXTGEN HIGHWAYS

FACT SHEET

March 2023

Transmission Line and Highway Rights-of-Way (ROW) Requirements

Table 1: Typical transmission line ROW needed by voltage

Voltage	ROW
69 and 115 kV	50-100 feet
161 kV	70-150 feet
230 kV	125-150 feet
345 kV	150 feet
500 kV	150-200 feet
765 kV	200 feet

ROW distance needs can also be determined on the type of structure used for the transmission line (i.e., single pole steel, H-frame, lattice tower, etc.). Typically, 345kV and larger transmission lines will use steel or lattice tower structures.

Table 2: Example of state[1] Department of Transportation ROW by road type

Road Type	ROW
Rural two-lane ROW	66 feet (average) – 200 feet
Rural four-lane ROW	200-300 feet
Urban two-lane ROW	50-75 feet

[1] Examples are from Wisconsin DOT as are figures on the next page.

Figure 1: Rural two-lane ROW

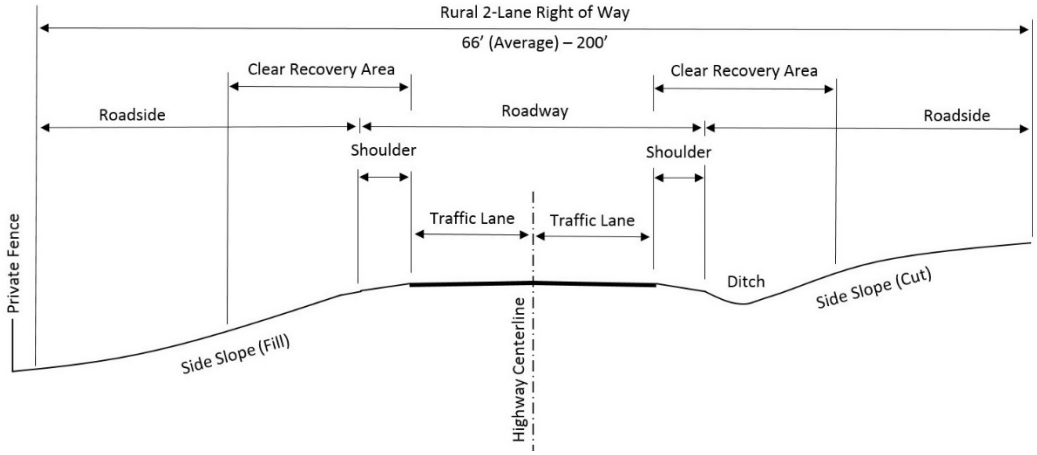


Figure 2: Rural four-lane ROW

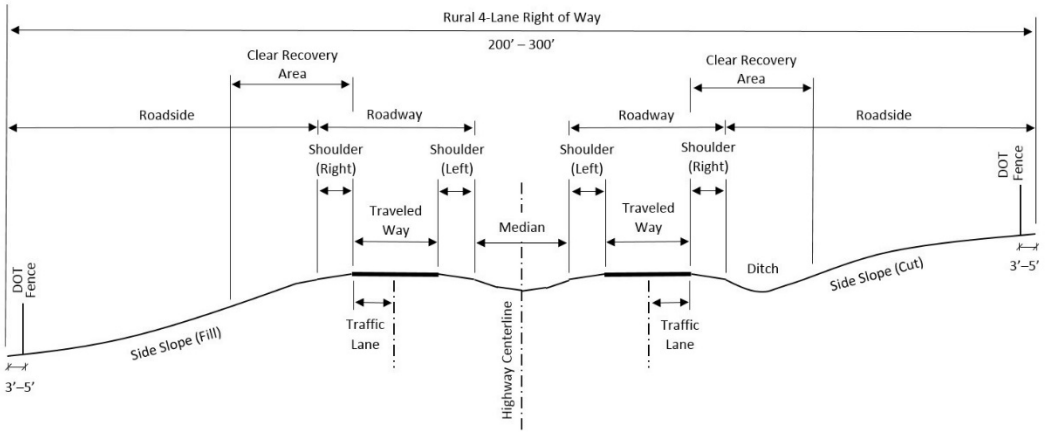
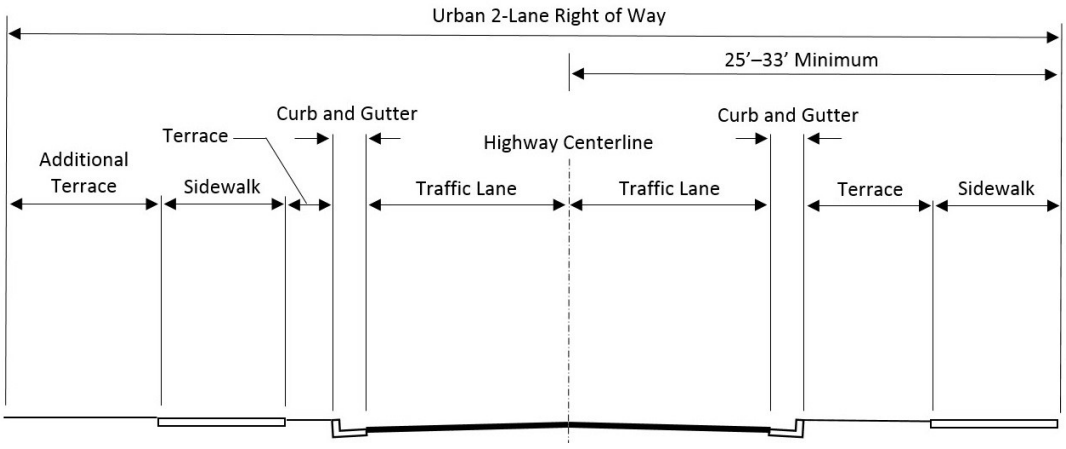


Figure 3: Urban two-lane ROW



SOURCE

- https://wisconsindot.gov/Documents/doing-bus/real-estate/roadsides/row-drawings.pdf

About NextGen Highways

The NextGen Highways is a collaborative initiative promoting the use of highways and other existing rights-of-way as infrastructure corridors where electric and communications infrastructure are strategically and safely co-located in existing highway right-of-way. Learn more at http://www.NextGenHighways.org