

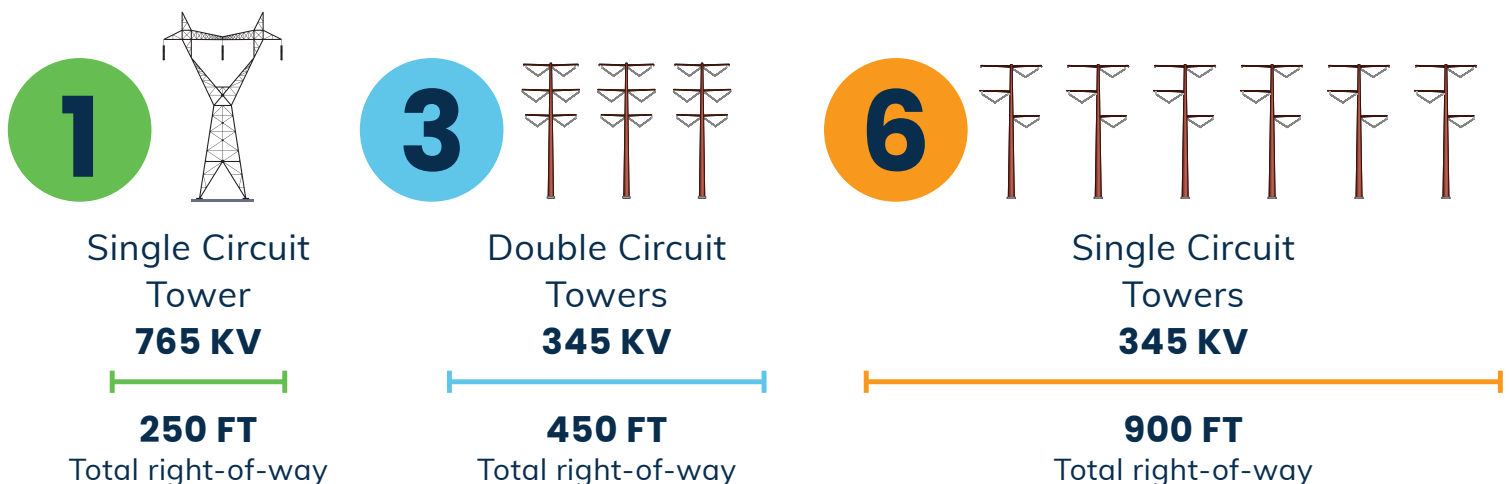


## » Why 765 kV Technology was selected

765 kV technology was identified in the Midcontinent Independent System Operator, Inc. (MISO) planning process as the preferred solution for the region, presenting several advantages:

- ✓ **Efficiently carries large amounts of power** over long distances while reducing overall project costs and reliably delivering electricity to customers throughout the region.
- ✓ **Needs fewer transmission lines** to carry the same amount of power.
- ✓ **Requires fewer structures**, reducing impact on land, communities and the environment.
- ✓ **Provides additional capacity** to power new manufacturing, homes, businesses and farms.

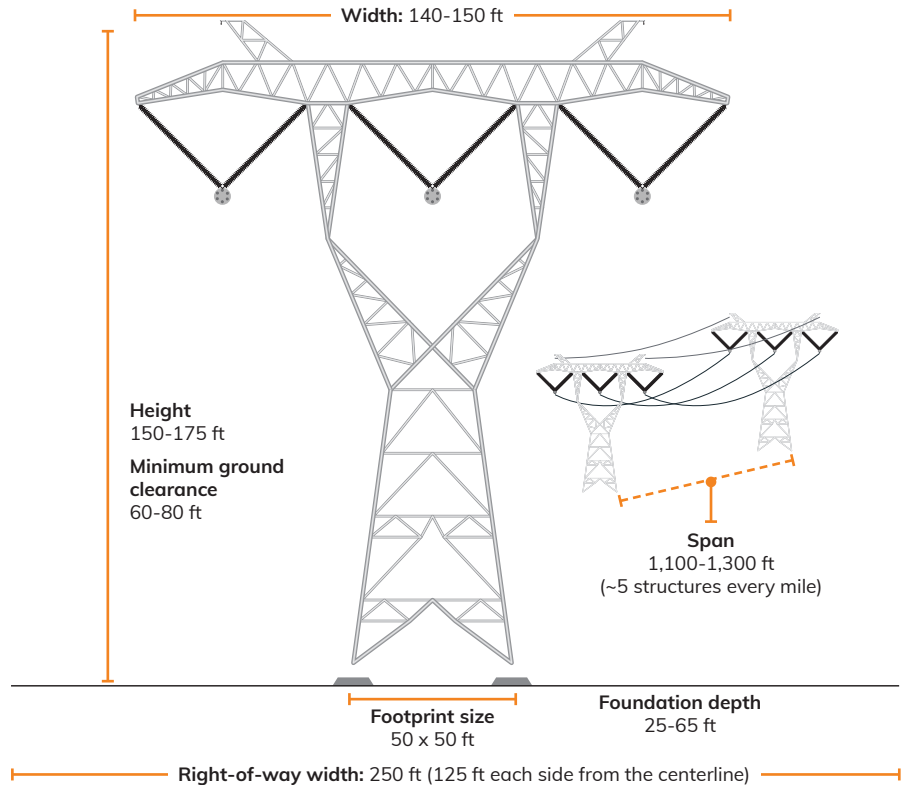
MISO's analysis showed that one 765 kV transmission line can carry as much power as six 345 kV single circuit lines—*minimizing the land needed by as much as 70-80%.*



## Typical Structures

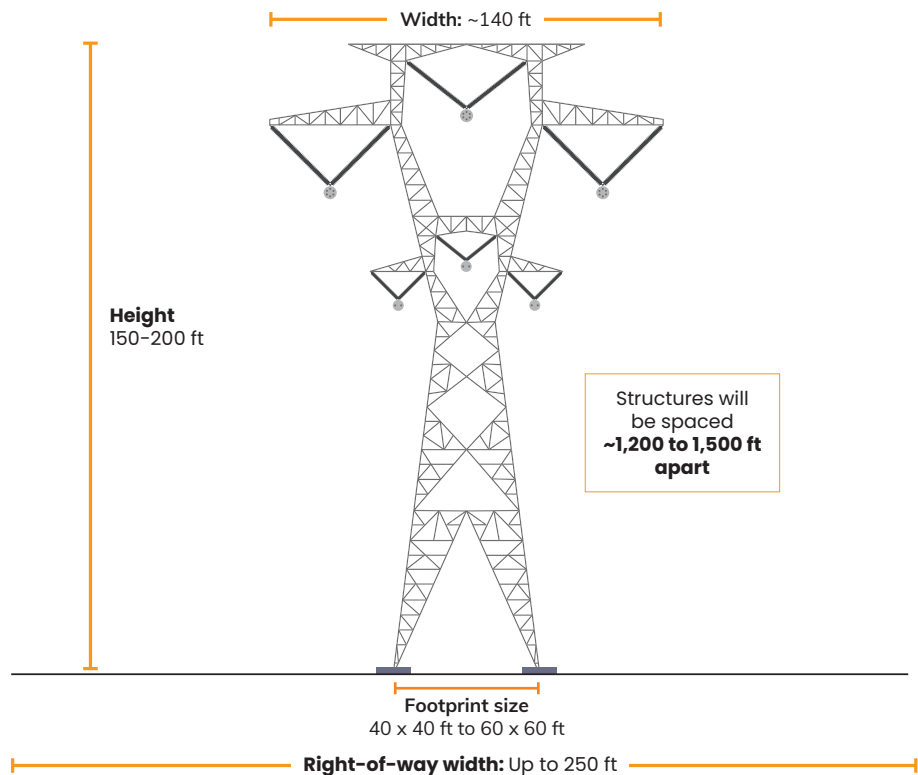
### NORTH ROCHESTER TO MARION SEGMENT

This is an example of a typical single-circuit 765 kV structure, similar to what could be used on the North Rochester to Marion segment.



### MARIBELL TRANSMISSION PROJECT SEGMENT

This is an example of a double-circuit 765/161 kV steel lattice structure, similar to what could be used on the MariBell segment.



**NOTE:** Preliminary design, not to be used for construction.