

## Proposed Overhead Wind Load Area

Overhead sign structures shall be designed for proposed and future signs. The designer shall determine wind load areas and include the wind load areas on the overhead sign structure drawings. The wind load area for the sign structures shall be determined according to the following:

- **Case A, Identified Future Signs:** For sign structures that have an identified need for larger future signs, the future signs shall be designed and shown on the overhead sign structure drawings. Future sign messages, sizes, and positions shall be shown on the elevation drawings. The largest potential wind load area shall be used for the design of the overhead structure.
- **Case B, General Future Wind Load Area:** For overhead signs without identified future signs, the structure shall be designed for a larger wind load area to accommodate future signs that are not identified at the time of the structure design. General future wind load area sizes and positions shall be shown on the elevation drawings. The general future wind load area shall be computed as follows:
  - The wind load area shall be rectangular for each primary sign including secondary and supplemental signs.
  - The wind load area width shall extend 2' outside the proposed primary sign on each side of the sign. In cases where the wind load areas of two signs intersect, the taller area shall take priority. For cantilever structures, the wind load area shall be flush with the edge of the primary sign at the cantilevered end, such that the wind load areas do not extend past the end of a cantilever sign structure.
  - The wind load area height shall extend 2' below the bottom of each sign and 2' above the top of each sign, including secondary and supplemental signs as well as the spacing between signs according to Roadway Standard Drawing No. 904.20, and excluding temporary "all traffic exit" signs. The minimum vertical clearance shall be measured from the bottom of the lowest wind load area.
- **Case C, Exceptions from Case B:** The following are exempted from Case B, general future wind load areas:
  - Arrow Per Lane Signs
  - Interchange Sequence Signs