

## CHAPTER 9F. SIGNALS

### Section 9F.01 Application

Support:

- 01 Part 4 contains information regarding signal warrants and other requirements relating to signal installations.

Option:

- 02 For purposes of signal warrant evaluation, bicycles may be counted as either vehicles or pedestrians.

Support:

- 03 Also refer Part 4 of this Manual for highway traffic signals, Chapter 4H bicycle signals, in particular:
- A. Section 4H.101(CA) – Optional Use of Bicycle Signal Faces.
  - B. Section 4H.102(CA) – Limit Line Bicycle Detection Zone.

### Section 9F.02 Bicycle Signal Faces

Support:

- 01 Chapter 4H contains information on the design and application of bicycle signal faces.
- 02 Section 9B.22 contains information for the Bicycle Signal sign that is required to be installed with a bicycle signal face.

### Section 9F.03 Signal Operations for Bicycles

Standard:

- 01 At installations where visibility-limited signal faces are used, signal faces shall be adjusted so bicyclists for whom the indications are intended can see the signal indications. If the visibility-limited signal faces cannot be aimed to serve the bicyclist, then separate signal faces shall be provided for the bicyclist.
- 02 On bikeways, signal timing and actuation shall be reviewed and adjusted to consider the needs of bicyclists.