

a first traveling vehicle, which is the transmission origin of the passage permission request for the branching part, from the traveling vehicle information already stored, at the time of receiving the passage permission request for the branching part from the priority traveling vehicle; deriving, from the stored traveling vehicle information, the merging part through which the first traveling vehicle is scheduled to pass after the branching part; and transmitting the passage permission for the derived merging part to the first traveling vehicle in priority to a second traveling vehicle that is scheduled to pass through the merging part from a direction different from a direction from which the first traveling vehicle is scheduled to pass through the merging part.

[0010]

A second deriver that derives the second traveling vehicle, which is the transmission origin of the passage permission request for the branching part, from the traveling vehicle information already stored in the memory storage, at the time of receiving the passage permission request for the branching part from the priority traveling vehicle, may be further included, and the intersection controller may suspend transmission of the passage permission for the merging part to the second traveling vehicle derived by the second deriver.

[0011]

The traveling vehicle may include: a determiner that determines whether or not there is the intersection within a predetermined distance of scheduled traveling of the traveling vehicle, on the basis of a current location of the traveling vehicle; and a communicator that transmits the passage permission request for the intersection to the