Abstract

This vehicle electric power consumption simulation device is provided with: a link setting unit that sets, by referring to information indicating a link which is a division of a road determined by a traffic simulation, a link travelled by a travel object on the basis of position information of the travel object at each time that has been acquired by a preliminary travel; a speed setting unit that sets an average free flow speed, in the link set by the link setting unit, on the basis of speed information of the travel object at each time that has been acquired by the preliminary travel; a traffic simulator that simulates vehicle traffic on the basis of the link set by the link setting unit and the average free flow speed set by the speed setting unit; and an electric power consumption estimation unit that calculates the electric power consumption by a vehicle that travels the link on the basis of electric power consumption-related data obtained from a travel status of the vehicle simulated by the traffic simulator.