

ABSTRACT

STRUCTURE OF BIFURCATION AND CROSSOVER SITE OF GUIDEWAY IN GUIDED VEHICLE TRANSPORTATION SYSTEM

Structure of a bifurcation site and crossover site of a guideway in a guided vehicle transportation system; in which the guideway consists of left and right roadbeds, a depression between the roadbeds, and a guard rail having a U-shaped groove laid down on the depression; and a fail-safe mechanism is constituted by the guard rail and guard wheels attached to the vehicle; is proposed.

The vehicle is equipped with automatic steering mechanisms for steering front and rear wheels and guard wheels supported laterally rotatably by front and rear supporting arms which are supported laterally rotatably underside the vehicle. The guard wheels are received in the groove of the guard rail. A movable guard plate and driving means thereof are provided to switch connection of the groove of the guard rail at a bifurcation thereof, and a movable plate and driving means thereof are provided to be able to plug or cover each of openings of grooves of guard rails in a region where the guard rail crosses a roadbed so that the movable plate is moved to plug or cover the groove thereby preparing a flat surface level with the roadbed.

Fig. 7