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(57) Abstract :

The mode! aims to improve the conventional road divider, and discloses a penetrable concrete road divider. The penetrable concrete road divider consists of two portions i.e. top and bottom portions. The bottom portion of a penetrable road divider block which is formed by pouring pervious concrete, so that it supports for flowing or penetrating water on the road surface can be smoothly drained; The top portion of penetrable road divider is impermeable and formed by pouring reinforced concrete, so that it supported by bottom portion of pervious concrete. The material used for making bottom portion is GGBS, Cement, Aggregates of size between 2.36mm to 6mm and the material of top portion consists of GGBS, Cement, Fine Aggregates of below 4.75mm and Coarse Aggregates between 10mm to 20mm The joint between two portions are done by two methods one is by coating cement slurry between the two portions and another method by providing interlocking systems between the portions, so that the concrete road divider has permeable portion at the bottom compared with the prior art. The road divider is prefabricated by two layer of concrete so as not to be easily stolen; removal/mounting can be conveniently operated, so that reuse of the road divider is facilitated; and because all the side of the road divider is inserted into below surface of road for positioning, The penetrable concrete road divider is suitable for dividing lanes and supports to the drainage to drains the water of the general road sections; and because the penetrable concrete road divider is conveniently and quickly transported and mounted, the penetrable concrete road divider is also suitable for crossroads on which short-term traffic control is performed

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