

Toyota Kohki Co., Ltd., Tokio, 183-0035 Japan

Special type of retaining wall

Japan is considered as one of the world's top producers and users of precast concrete. In the issue of August, the "Green Retaining Wall" was introduced as one example of retaining wall products. This issue will continue with a different type of retaining wall products, which are used for various purposes by making full use of the characteristics of its shape.



Fig. 1: Road L is used to widen narrow roads

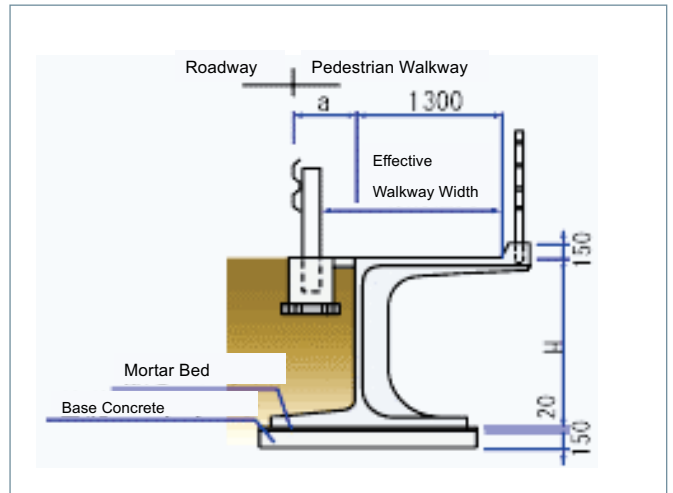


Fig. 2: Drawing of Road L

Fig. 1 shows a retaining wall used to widen narrow roads. The product is called Road L and has been constructed throughout Japan. Road L is considered as an effective way to ensure safety by providing space for sidewalk / walking path.

In recent years, this type of precast concrete products has been constructed for widening roads as well as for ensuring safety of pedestrian due to the narrow width of road in Japan.

As shown Fig. 5 the Road L is widely used at station platform in Japan by taking advantage of its shape. The product is adopted when a station is newly built or

rebuilt. This is mainly because the Road L is able to provide a space under the platform to escape from a train when someone accidentally falls down from the platform. Like this, precast concrete products are used in a various places for ensuring people's safety.

In addition, the Road L is applied to a swimming pool construction such as at a school as well. By utilizing its shape, the pipe installation can be completed smoothly, and maintenance of the pipes can be done more easily.

Quality of forms/molds directly and greatly influences on the quality, productivity and

precision of concrete products. Toyota Kohki, a mold manufacturer for precast concrete products, is involved in this retaining wall design from the start of the production development to insure the product quality and productivity.

That is, molds play such a crucial role on development and innovation of new precast concrete products.

Fig. 7 shows an adjustable mold for the Road L retaining wall. This is designed to adjust the height and therefore, manufacture several types of products from one mold. Since 1966, Toyota Kohki Co., Ltd. has been the leader in Japan for precast con-



Fig. 3, Fig. 4: Road L at construction sites and the widened road



Fig.5: Road L is widely used at station platform in Japan



Fig. 6: Swimming pool construction



Fig.7: Adjustable mold for the Road L retaining wall.

crete molds, plant machinery and concrete delivery systems for producing wet cast concrete products. Today, Toyota Kohki is known as the leading contributor to the development of the concrete industry and precast concrete molds in Japan. Their mold precision is so accurate that they are actually water tight. In addition, the durability, productivity, and ease of use are attributes that have attracted many of their customers.

Toyota Kohki's booths at the bauma 2010 in Munich and at the bauma China 2010 were visited by a high volume of attendees during the exhibitions from many countries. Toyota Kohki will exhibit at ICCX 2010 Russia held in St. Petersburg in December, and BC India 2011 held in Mumbai, India in February in order to expand their business field more internationally and look for an agency.

FURTHER INFORMATION



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