

Delta Bloc

From Banagher Concrete

An excellent solution for Road Designers and Construction Site Managers

Recent cases of fatalities caused by cars careering off the road and crossing the dual carriageway central reserve into the line of oncoming traffic have prompted the NRA to install concrete medians on the central reserve of new motorways. The NRA recently approved the Delta Bloc median system which is being manufactured by Banagher Concrete in Co. Offaly. The system has a modular design and allows for a combination of different heights and containment levels.

Currently being installed on 7km of the N11 Glen of the Downs Kilmacanogue dual carriageway, Delta Bloc is a precast concrete median which is installed without the need for ground anchoring or foundations. This is a great advantage, saving time and money but also avoiding possible contact with existing buried services. As well as acting as a permanent

safeguarding on roads, Delta Bloc can also be used for temporary protection of construction sites. Units can be rapidly and installed and dismantled using a coupling insert connector.

Each unit is 6m long by 1m wide and is laid directly on top of prepared ground in the median. The Delta Bloc system is incredibly resistant to impact and has successfully been tested in accordance with the highest containment level Hb4 EN1317 Part 1 & 2 where it prevented a 38 tonne vehicle from breaking through. All Delta Bloc systems have an ASI values (Acceleration Severity Index) within the standard (<1.4) which is essential in terms of safety for road users and especially car drivers.

In the event of a minor impact the units can be easily realigned. Where damage occurs as a result of serious impact units

can easily be removed and replaced with new elements in a matter of hours with little or no disruption to the flow of traffic. Units are lifted directly into position at a laying rate of approximately 450m per day. Bolting together of units is avoided by the use of a patented galvanised coupling connector. All exposed steel parts of the unit are galvanised.

Further information on the Delta Bloc System can be obtained from:

Banagher Concrete Ltd.

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Delta Bloc Road Barrier - Glen of the Downs, Co. Wicklow