

Case Study



Hull Traffic Safety Scheme

The Challenge:

Having been the location of 22 injury accidents in 5 years, the Hull City Council decided to block the Southcoates Lane junction for vehicles turning right into the Holderness Road dual carriageway and those turning into Southcoates Avenue through a break in the dual carriageway median as a temporary measure.

The junction is sited near a local fire station and a permanent right turn ban would have added vital minutes to an emergency call.

The Solution:

Electronic rising bollards were considered to be expensive and not dependable. (When a fault occurs, the bollard reverts to its down position allowing vehicles to drive over it.)

A Reflex Plastic Bollard developed by Leafield Environmental provided a deterrent to general traffic but could be driven over by emergency vehicles before bouncing back into an upright position.





Thus in an emergency, fire engines could slowly drive over the bollards and they would then bounce back to upright preventing right turns for the general public. They approached Leafield Environmental to determine a fixing method that would allow the bollard to be easily replaced if broken in this process and a socketed version was developed for this purpose.

The bollard was tested in another location by driving over it 50 times in one week with a fire engine. The bollard returned to its original moulded shape after each "hit".

The trial was deemed a success and authority was given to install nine Reflex Self-righting Plastic Bollards in a row. These could be rotated every three months to ensure consistent wear and tear and reduce the need to purchase a replacement bollard. This permanent solution cost less than £20,000 and is expected to save the local community approximately £375,000 per year.

The Benefits:

- **Economical...** Entire scheme cost less than £20k
- **Highly effective...** Bollards perform well and accidents eliminated.
- **Durable....** Scheme has been in operation for more than 4 years and bollards continue to function well.

LEAFIELD Reflex Self-righting Bollards are available in a range of contemporary and traditional profiles and are manufactured from a patented material, which enables the product to withstand impact from any direction and return to an upright position and continue in service.



Customer Evaluation:

"Use of these relatively low cost Reflex Bollards has enabled us to improve road safety by preventing traffic from turning right across the junction whilst still allowing the Fire Services access in case of an emergency. The scheme has cost under £20,000 to install and is projected to save the community over one million pounds in accident costs over the next five years."

Gary Horth, Project Development Team Manager

They are available in a range of fixing options including Permanent, Surface as well as Socketed. For further information please visit www.leafieldhighway.com or call 01225 816500. Always be sure to specify Reflex material for vulnerable locations where conventional bollards would otherwise require frequent replacement.



GET IN TOUCH...

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