

QuickChange[®] Moveable Barrier Highway Care



FOR CONSTRUCTION APPLICATIONS



QuickChange Moveable Barrier | FOR CONSTRUCTION APPLICATIONS



The QuickChange Moveable Barrier (QMB) is a unique barrier system providing immense opportunities to contractors involved in major highway reconstruction, 'Smart Motorway' and road widening schemes. The system comprises a linked "chain" of concrete barrier sections, which can be raised slightly from the road surface and moved across the carriageway by a self propelled Transfer Vehicle. This allows a stretch of barrier located at the road edge to be moved into the carriageway at the start and end of each day (or more times if required) providing a safe work zone during off peak hours which can be returned to traffic during peak flow periods. The Transfer Vehicle travels at up to 7mph and will move 3.2km (2 miles) of barrier in less than 20 minutes. During movement the Transfer Vehicle is protected by the barrier system. Because the road space can be "shared" it is possible to utilise more space for construction, increasing the safety zone and allowing more intensive construction activity whilst maintaining or improving safety levels. Normally after impacts the barrier can be realigned with the Transfer Vehicle. If damage is severe, the damaged units can be quickly replaced. Construction periods can be reduced, allowing greater utilisation of manpower and machinery but maintaining safety performance.

PHYSICAL SPECIFICATIONS

QuickChange Moveable Barrier

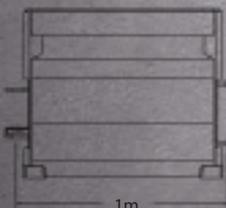
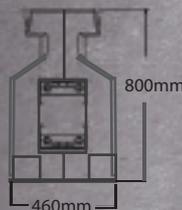
Heavily reinforced concrete barrier sections have similar deflection and superior vehicle stability when compared to standard Temporary Concrete Barrier.

Performance

Tested and Approves to BS EN1317-2 N2& H2 Containment
 UK Highway Agency approved N2, W4 & H2, W6
 NCHRP 350, Test Level 3 (100km/h).
 Maximum Deflection at TL3: 52 in. (1.3m)

Mass of each Barrier Element

Approximately 646kg



BARRIER TRANSFER MACHINE

Transfer Speed	5 mph (7km/h)
Roading Speed	20 mph (32km/h)
Lateral Transfer	Up to 5.5m per transfer
Transfer Time	1 mile in 12 minutes

IMPROVES SAFETY

Workers and motorists have positive barrier protection at all times.

REDUCES CONGESTION

QMB allows more lanes to be open for peak traffic at all times by reconfiguring the roadway in real time.

SPEEDS CONSTRUCTION

By combining or eliminating stages due to the larger work space, contractors can save months or even entire construction seasons.

CREATES EFFICIENCIES

Dedicated transport lanes to the site can create safer and more efficient deliveries and material staging.

BETTER QUALITY REPAIRS

More work zone space allows contractors to use larger, more efficient equipment, resulting in better quality repairs that last years longer.

RAPID STAGE CHANGES

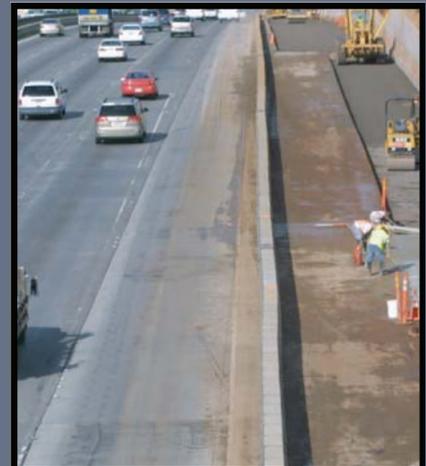
Moveable barrier reconfigures the road in minutes, It can take days to reposition miles of temporary concrete barrier.

ROAD WIDENING OR HARD SHOULDER / CENTRAL RESERVATION REPAIR

When working in the hard shoulder or central reservation, moveable barrier allows the contractor to expand the work zone during off-peak traffic hours by taking one or more lanes from traffic. More work zone space can be used to allow for larger, more efficient equipment. These options help the contractor combine stages and accelerate construction for early job completion with better quality repair.

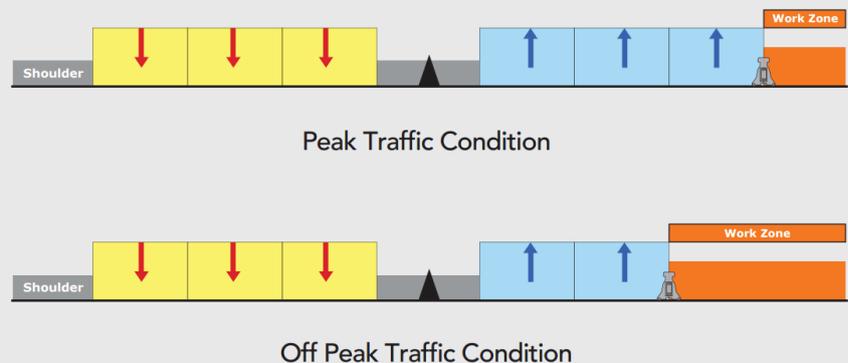


More room to work during off-peak



More lanes for traffic during peak

EDGE OF ROAD CROSS SECTIONS



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