

Road Safety Products

Lindsay QMB Construction Zipper

Creates a Safe, Flexible Work Zone for Construction whilst managing congestion

The Road Zipper System is designed to create a flexible, positive traffic barrier between opposing lanes of traffic, or between motorists and construction work zones while managing congestion.

The system can create additional work zone space for construction crews, and provides more lanes to the peak traffic direction to mitigate congestion and accelerate the construction process.

- **Improves Safety**- Workers and Motorists have positive barrier protection at all times.
- **Reduces Congestion**- Allows more lanes to be open for peak traffic 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 and increase quality**- Dedicated haul lanes create safer, more efficient deliveries and material staging. More work zone space allows contractors to use larger, more efficient equipment, resulting in better quality repairs that last years longer.
- **Allows for rapid stage changes**- Moveable barrier reconfigures the road in minutes. It can take days to reposition miles of temporary concrete barrier.

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Before- Half of the bridge was 50 years old and required complete rebuilding, and would remain closed for the duration of the project. A buffer zone was striped on the available bridge span during Phase 1 of construction. Lane delineators were used to create one lane in each direction. The result was massive traffic queues up to 6 miles (10 km) on Fridays and Sundays. A new solution was necessary.

After- During Phase 2, The Road Zipper System was installed for a 2/1, 1/2 configuration. Traffic queues vanished and motorists also benefited from positive protection.

Pesio Bridge A6 Motorway

Italy- In operation 2006

Bridge Reconstruction Project Length- 2km

The Problem-

During construction, the 2/2 Lane configuration was reduced to a 1/1 with buffer zone lane delineators. Heavy weekend traffic resulted in 9-km long queues.

The Alternative-

1/2 configuration using cones caused extended backup on Fridays and Sundays and did not provide positive protection.

The Solution-

- Phase 2 construction with the Road Zipper- 2/1, 1/2 configuration
- No closures necessary

The Result-

- No Traffic queues
- Positive Protection



Construction Applications-

The Road Zipper System creates a safe, flexible work zone that allows contractors to compensate for missing lanes, expand the work zone during off peak traffic hours, and reduce or even close the work zone during peak traffic hours to maximise traffic flow. It allows to use larger, more efficient construction equipment in the expanded work zone. Finally, it allows many projects to be completed in one construction season as appose to two.



Partial Width

For partial width construction, one side of the road can be completely closed for construction while all traffic is diverted to the other side, with a moveable median reconfiguring the roadway in real time to provide more lanes in the peak direction.



Median

Narrow median reconstruction using traditional methods usually requires taking traffic lanes for the duration of the project. Moveable barrier allows all traffic lanes to be open during peak hours, and the work zone is expanded during off-peak.



Outside Shoulder

The Road Zipper System increases the size of the work zone to create dedicated haul lanes and allow the use of larger equipment.

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