

**A38 Junctions around Cross
Review 2007/8**

Prepared for:

**Somerset County Council
Highways Department
County Hall
Taunton
Somerset TA1 4DY
01823 358089**

Prepared by:

Compton Bishop Parish Council

Contact: Clerk
Somerhayes
Jubilee Road
Axbridge, Somerset
BS26
01934 733373

Authors: Councillors M. Rolfe
R. Parker
E. Farley

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10 Potential Solutions

10.1 Top of Shute Shelve

A roundabout would in our view improve the safety of this junction. To achieve one of adequate size and to be able to accommodate large vehicles it would probably require the acquisition of sufficient land to provide the necessary radii and careful positioning of the roundabout. For large vehicles this requires sufficient room for concentric circles of 12.5 metres and 5.3 metres and leave space for further vehicles waiting Northbound. If it is decided to leave the junction as a "Tee" some means should be found to improve the turning circle radius for vehicles both turning into the bypass and turning to the South from it at the junction. It will also be necessary to accommodate the full length of an articulated vehicle of at least 16.5 metres overall length, whilst it is waiting for Southbound traffic and before entering the bypass.

10.2 Shute Shelve Islands

The wide islands are a hazard and take out of service a whole valuable lane, which if dedicated to northbound traffic would improve traffic flow considerably. The provision of a 5-metre clearance pedestrian bridge to connect the "Strawberry line" path across the A38 would enable such an improvement and still retain the access to the bus stop lay-by. White lining could be used to protect traffic into and exiting Wavering Down Rise, which in any case is of low volume, servicing just 12 houses. We noted that Sustrans has available funds amounting to £50 million and that the Quarry companies make grants for such developments.

10.3 Old Coach Road / Cross Lane

Here three practical possibilities are envisaged and anyone of which, we consider would improve the safety of this junction for users. The provision in Cross Lane of a proper pavement on the south side is seen as a need, at least up to the footpath entrance.

10.3.1 Roundabout

There would have to be land acquisition on the south and eastern corner to produce sufficient space for a roundabout. This would necessitate the re-alignment of the feeding roads. Whilst this maybe a costly solution, looking to the longer term and the steady increase in traffic volumes it deserves serious consideration and if undertaken may preclude the need for the amendment of the junction with the Axbridge By-Pass (10.1) for the time being. Suitable facilities for pedestrians to cross will need to made.

10.3.2 "Mandatory signing" **Appendix No. 8**

This proposal has been promoted before and is a relatively ("Low-cost") solution that could provide relief and achieve a reduction in the causes of accidents. Again it deserves consideration as it provides improvement and involves little physical change other than the provision of "No right turn" signs as follows:

Exiting Old Coach Road traffic	"No right turn"
Exiting from Cross Lane	"No right turn" except for buses
Northbound A38 traffic	"No right turn" into Cross Lane
Northbound traffic A38 traffic	"No left turn" entering Old Coach Road

This may require the re-routing of number 869 Wednesday 10 o'clock bus.

10.3.3 Turning traffic

For Southbound A38 traffic turning right into Old Coach Road it is noted that access to Old Coach Road may become more difficult due to faster traffic flows northbound up Shute Shelve. Given that this is adopted the Southern Old Coach Road junction will need to be improved, widened, so that it can accommodate traffic waiting to turn right particularly where larger vehicles and caravans are involved. If Northbound A38 traffic turning into Cross Lane is to be routed via Shute Shelve, this will involve 7/10th of a mile greater distance travel. The benefits are seen as:

- Turning the junction into a simple crossroads
- Reducing the level of commercial eastbound traffic in Cross Lane
- Reduce head-on confrontation for traffic turning into Old Coach Road
- Produce sufficient space for a central pedestrian refuge

10.3.4 Filter lane

With the acquisition of a parcel of the land mentioned in 10.3.1 it should be possible to considerably improve the exit from Cross Lane through the provision of a better filter lane onto the main carriageway heading South.

10.3.5 Traffic Lights

This solution has many advantages and would bring practical control to traffic at the junction. It is a costly solution, but in our view not as expensive as that proposed by the County (£500,000) and our suggested costing was indicated in a letter dated 7th February, 2007 to County Councillor Alan Ham where a figure of £227,000 was suggested. The detail is set out in **Appendix No. 9**. Also it would probably be cheaper than the modifications proposed in 10.1 and 10.3.1. The downside of such an installation, which may not find favour with all the residents and particularly those living at the East end of Old Coach Road are noted as:

- Noise from backed up traffic at the crossroads with constant stopping and starting
- Pollution and fumes for the reasons above
- The effect on “Traffic flow” prior to the gradient

There have been examples during this year where the M5 has been closed or blocked and northbound traffic diverted on to the A38. This has created local congestion. All of the above effects were experienced at those times.

10.3.6 Any change in the bus route would affect the route timings.

