

ROTHERHAM BOROUGH COUNCIL – REPORT TO MEMBERS

1.	Meeting:	Cabinet Member and Advisers for Planning, Highways and Street Scene Services
2.	Date:	Monday 7 July 2014
3.	Title:	Rotherway roundabout.
4.	Directorate:	Environment and Development Services

5. Summary

To inform Cabinet Member of the outcome of an investigation into the causes of evening peak queues on the A630 West Bawtry Road entry to the Rotherway roundabout and to seek permission to implement a scheme to reduce these.

6. Recommendations

It is recommended Cabinet Member resolve that:

- i) **Detailed design be undertaken on a scheme to widen the A630 West Bawtry Road entry to the Rotherway roundabout from two to three lanes and subject to the outcome of consultation the scheme be implemented in the 2014/15 financial year.**

7. Proposals and Details

A significant queue frequently forms on the A630 West Bawtry Road approach to the Rotherway roundabout in the evening peak period and at times this queue can be 600m long. This queue causes delay to traffic using the A630 and also causes issues with some drivers using an adjacent service road at inappropriate speed to cut out some of the queue.

An investigation has been undertaken into the causes of this queue. This found that the queue is caused by a lack of entry capacity. Three possible solutions to improve entry capacity have been considered and these are

- Widening the entry from A630 West Bawtry Road approach from two to three lanes
 - Creating a free flow lane from A630 West Bawtry Road to the A631 West Bawtry Road exit to Whiston
 - Installing flow metering traffic signals on the A630 Rotherway entry to the roundabout
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Traffic modelling has been undertaken to see what effect on queue lengths these possible solutions are predicted to have. This modelling shows that flow metering has little effect on queue length but that the widening and free flow lane both lead to similar reductions in queue length.

Consideration of the practicalities of the free flow and widening options shows that the preferred scheme is to widen the A631 West Bawtry Road approach from Canklow entry to the Rotherway roundabout and it is recommended that this scheme is progressed to detailed design and implementation.

Details of the proposed scheme are shown on drawing number 126/18/TT591 a copy of which is attached as Appendix A.

It is expected that by reducing the length of queues on the A630 West Bawtry Road entry to the Rotherway roundabout that traffic queues and delay would be reduced and that, together with the recently introduced traffic calming, would mean that drivers would no longer use the service road.

8. Finance

The proposed scheme is expected is estimated to cost £225,000 and funding is available from the Local Transport Plan Integrated Transport budget for 2014/2015.

9. Risks and Uncertainties

None.

10. Policy and Performance Agenda Implications

The scheme supports the Sheffield City Region's Transport Aspirations and more locally it complements Rotherham's Corporate Objectives, with particular focus on:

- Improving the environment
- Helping to create safe and healthy communities

11. Background Papers and Consultation

Consultation will be undertaken with Boston Castle Ward Members and South Yorkshire Police regarding the proposed scheme.

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