

Engineering Smoother Traffic at KR Puram Bridge, Bangalore

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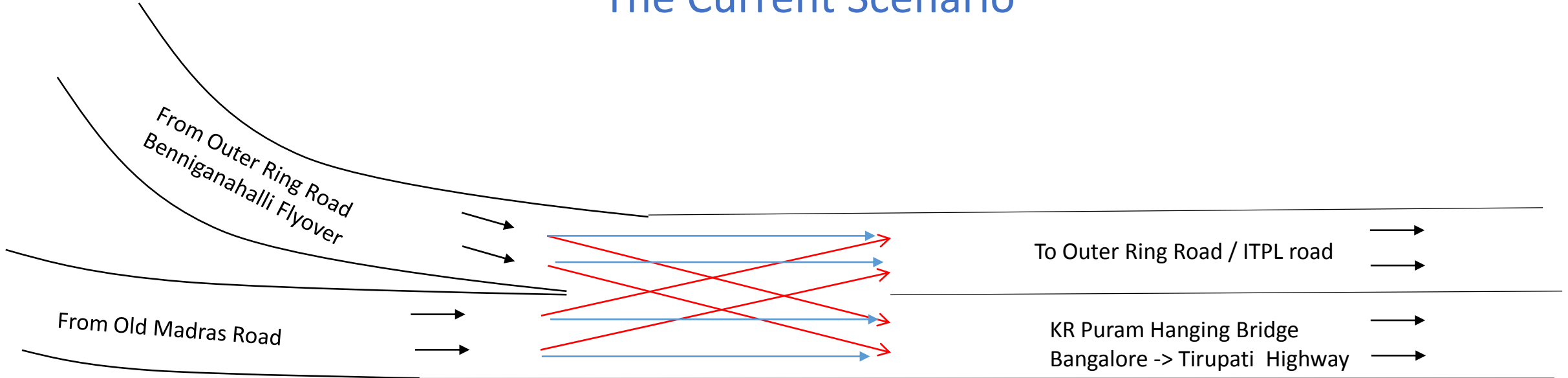
KR Puram Traffic Accidents Data

Year	Fatal	Non-Fatal	Injured	Total
2013	54	206	170	260
2014	50	142	135	192

KR Puram traffic police has identified Blackspot as Old Madras Road : 41 fatalities in 2013
This is the worst in Bangalore.

Reference :
Response No. RTI/15/Tr.Br./AddlCP(Tr)/2015 from
the Office of the Addl Commissioner of Police, Traffic,
2nd Floor, No 5 Infantry Road, Bangalore

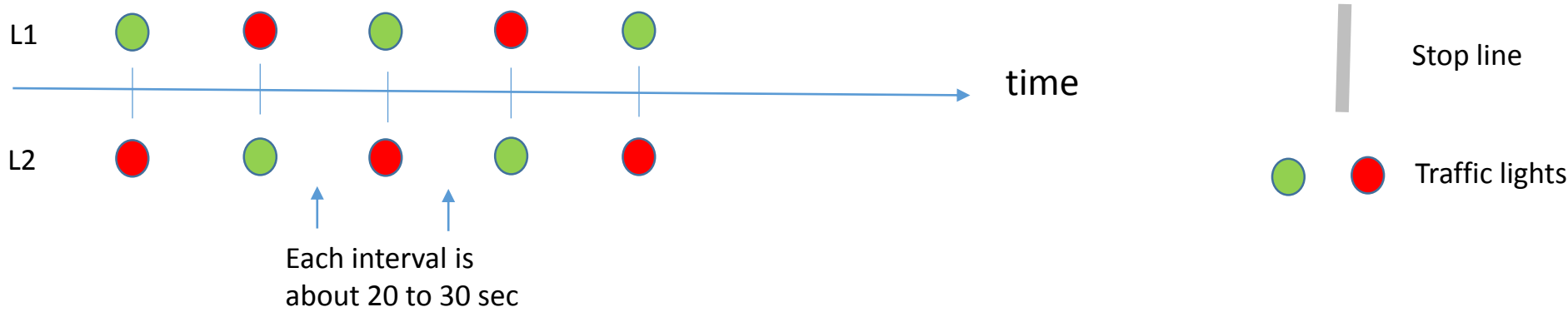
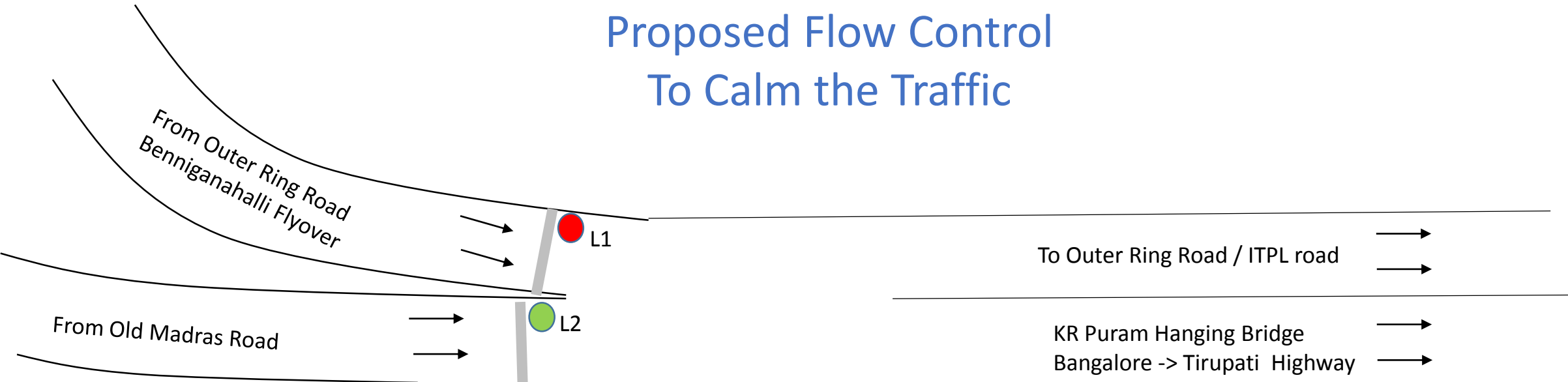
The Current Scenario



Criss crossing traffic
⇒ Stress
⇒ Danger
⇒ Bottlenecks

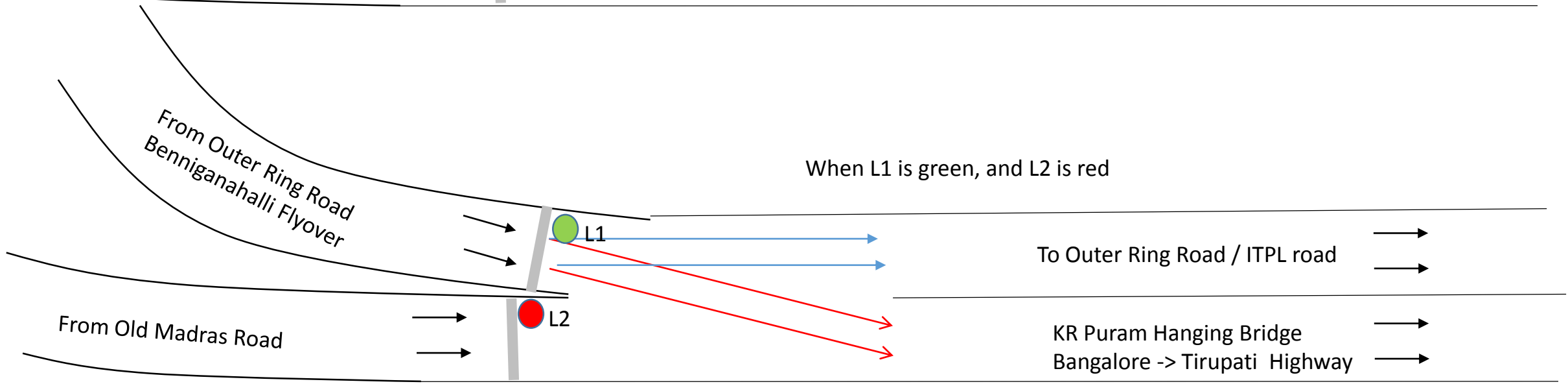
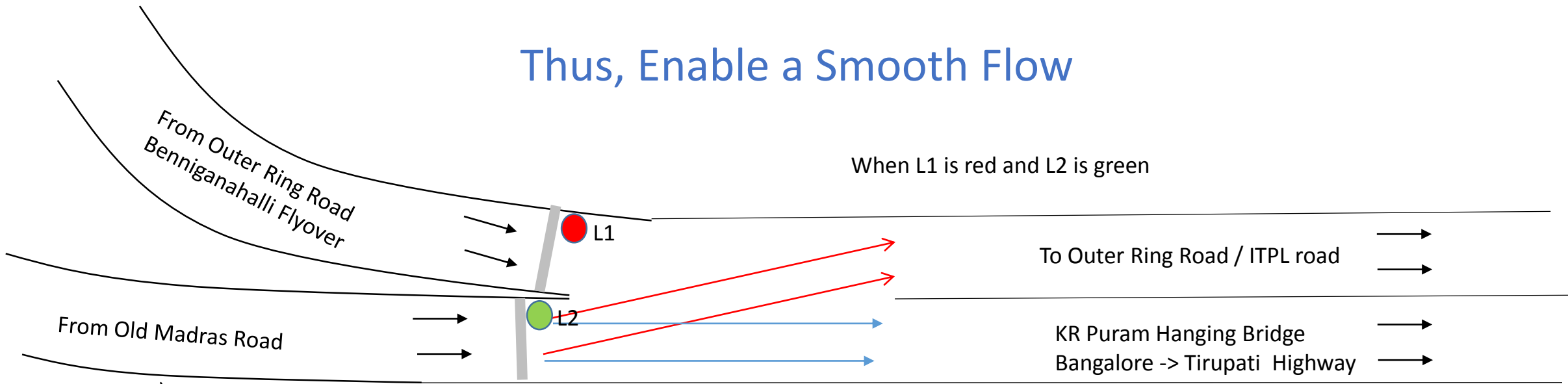
In peak hour traffic, this causes a lot of stress.
Further, there are significant delays caused by the traffic jams.
Not to mention the noise pollution caused by impatient honking.

Proposed Flow Control To Calm the Traffic



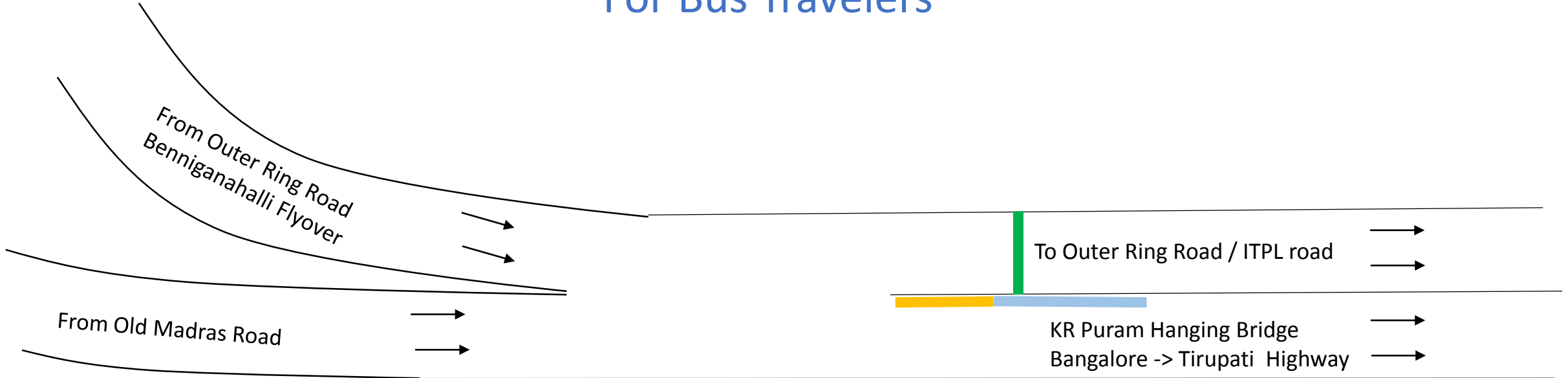
Achieve flow control using short-duration traffic lights which are synchronized. The interval will be sufficient to ensure smooth flow, without creating excessive delay or backup of traffic. The stop lines should be 2 m behind with clear signage.




Thus, Enable a Smooth Flow



Criss-crossing is minimal => fewer chances of bottlenecks, lesser traffic stress, and improved flow. This should also reduce risk of accidents.

For Bus Travelers



-  A 10m buffer zone. Buses should not be allowed to park in this zone. It will allow smoother traffic flow.
-  A 20m zone to be used as a bus stop. It should have appropriate shelter and signage.
-  An overbridge that will lead passengers to the bus stop.

The design of the overbridge will need to be done carefully since it does not cross the whole road. It could provide a platform on the KR puram bridge that allows the bus passengers easy access to buses without overcrowding the road.

Thank You

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