

WHAT THE GOVT CAN IMPLEMENT IMMEDIATELY TO REDUCE TRAFFIC POLLUTION?

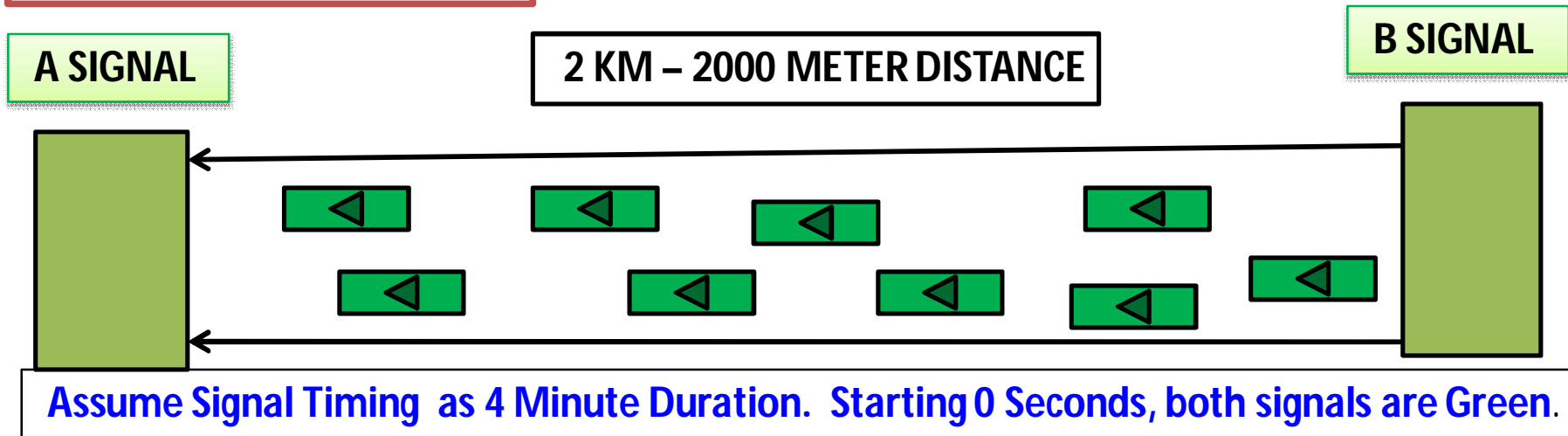
- 1. One of the reasons for road traffic Pollution is mainly due to idling vehicles in the traffic signals.**
- 2. Let the Govt retrofit new traffic signal post ahead of existing signal.**
- 3. This will decongest the existing signal and elongate the traffic density**
- 4. so as to make vehicles move slowly over a stretch of say one KM ahead of signal instead of idling at traffic signal point.**

MY BRIEF PROPOSAL:-

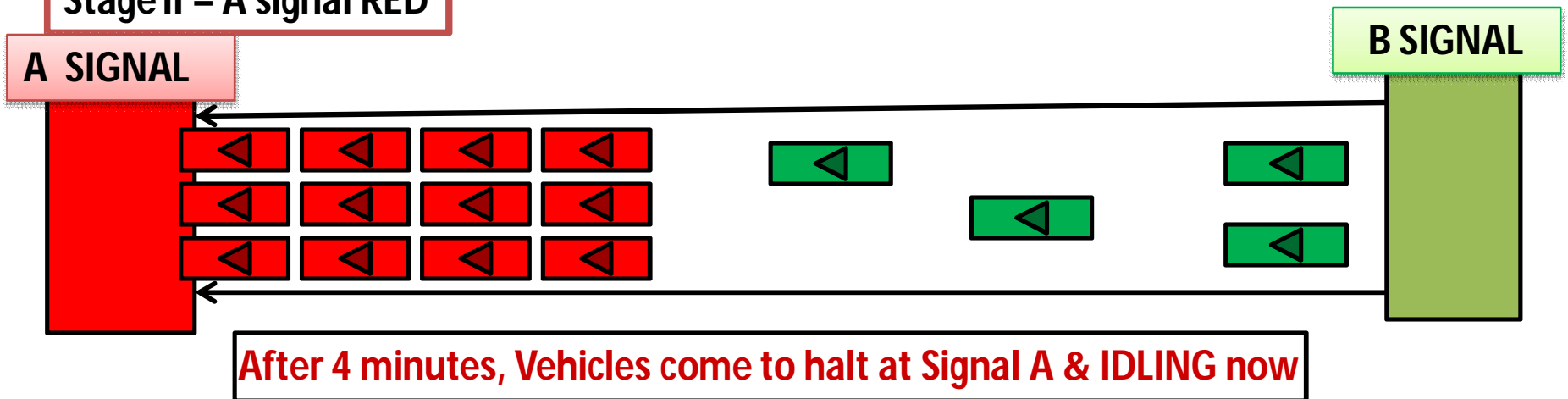
- 1. I am suggesting to introduce Slow Speed Signal on the same road, ahead of the existing road signal.**
- 2. Instead of vehicles flying faster on the same free road in between the distant traffic signals,**
- 3. and congesting heavily at the signal,**
- 4. this proposal will turn ON new signal light,**
- 5. from Green to Amber to ask the vehicles to slow down the gears at proposed Slow speed signal, and**
- 6. this will avoid idling of vehicles at the existing traffic signal.**

EXISTING TRAFFIC ROAD CONDITION

Stage I – A & B signals Green



Stage II – A signal RED



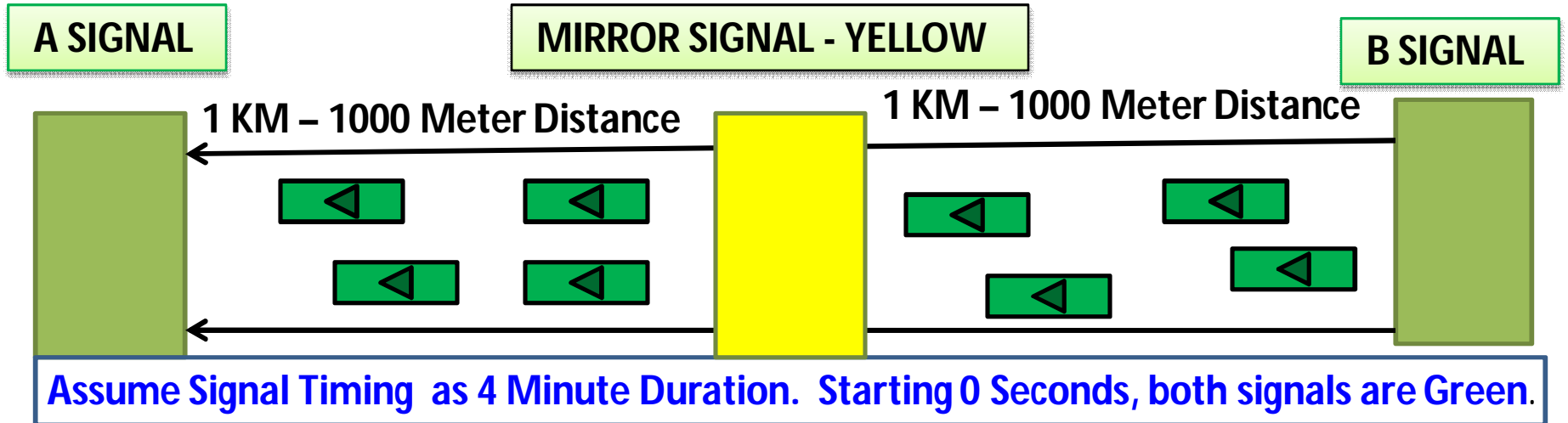
 - Vehicles in Fast Speed, in 4th Gear  Vehicles in Zero Speed in First Gear

PROPOSED TRAFFIC ROAD CONDITION

Stage I – A & B signals Green

2 KM – 2000 METER DISTANCE

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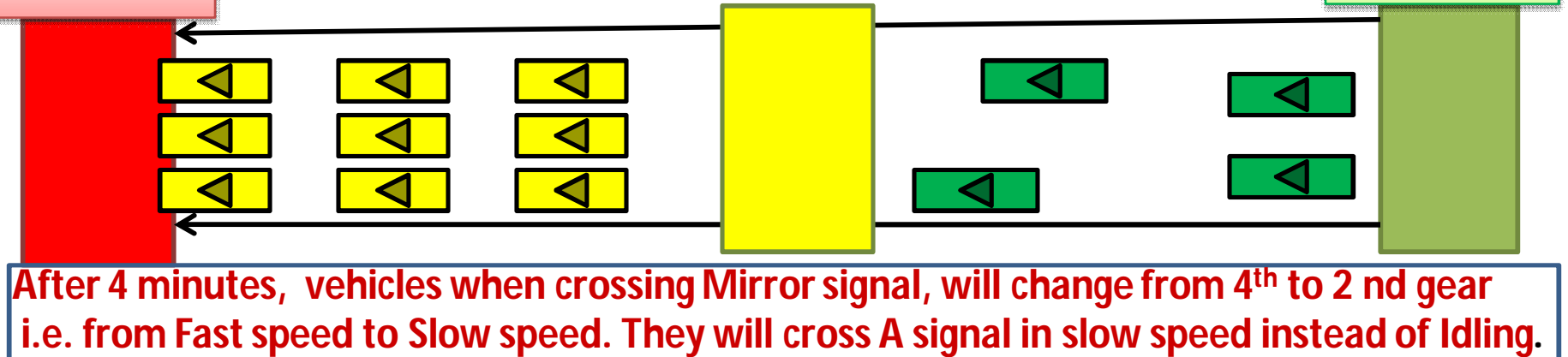


Stage II – A signal RED

A SIGNAL

MIRROR SIGNAL - YELLOW

B SIGNAL



 -Vehicles in Fast Speed, in 4th Gear.  --Vehicles in Slow speed, in 2nd Gear.

- 1. It means that this proposal will extend the existing signal point of say 50 meter length**
- 2. to a Two Stage signal of say 1000 meter length.**
- 3. This is applicable to any city,**
- 4. any busy traffic main road and Not only for normal peak roads, but also for roads**
- 5. leading to railway level crossing post.**
- 6. For Railway crossing signal, timing only differs.**

- 1. Later, we can make use of Traffic Density Sensors using In-situ Strain gauge type to be fixed**
- 2. on the road to know vehicle density near the signals and**
- 3. accordingly operate the slow speed signal timing flexibly.**
- 4. That is the slow speed signal will be active during heavy traffic density during day & peak times,**
- 5. and can be put to Non-peak mode,**
- 6. when the operation is needed and at what time duration.**

- 1. The reason for the traffic air pollution is due to the fact that**
- 2. the pollution gets concentrated in a localized place like traffic signals;**
- 3. polluted air spreads horizontally to other places in the city.**
- 4. It is the law of nature that Pollution or for that aspect, any gas matter will always dissipate in sideways**
- 5. from its High concentration levels to areas of lower concentration levels.**

- 1. In Delhi or in any other metro city, the threshold of pollution dissipation has already crossed limits and**
- 2. hence this pollution explosion. This can be applied to any metro city where the roads and signals are getting congested.**
- 3. Last but the least, the result of putting this Mirror Signal to each & every busy traffic signal results in**

- 1.Reduction in traffic pollution arising out to congestion.**
- 2. Lakhs of liters of Diesel, Petrol saving by avoiding or reducing the idling vehicles at signals.**
- 3. Road users near signals can protect their lungs from choking, happening due to heavy fumes.**
- 4. Same time for commutation, but now with smooth slow and fast speed shifting gears.**
- 4. Reduction in daily accidents at signal when signal changes from red to green and vice versa.**
- 5. Improvement in vehicle health conditions.**
- 6. Road users are not allowed to press Panic Button at signals.**

To curb the pollution,

**it is a team work of individuals,
the regulating authorities
and the Govt.**

**Let us also think of how to decongest the traffic
In roads especially due to the idling vehicles in traffic signals.**

For more detailed write-up, please visit my knowledge sharing

website [www:energymeasuretosave.com /](http://www.energymeasuretosave.com/)

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