Signs with Smart Connectivity for Better Road Safety

PROBLEM STATEMENT:

Mr. Vishnu Chandra Mohan is a 25-year-old man. He went to the office by his car around 9.30 am morning. For the last 2 years, he is working in IT Organization. He always went to his office late.

- Vishnu Chandra Mohan wants to know the better recommendation forsmart connectivity for better road safety.
- He has faced huge problems for a long time.
- This problem is usually faced by many employees.
- Mr. Vishnu Chandra Mohan needs to know about smart road connectivity for better road safety.

Who does the problem affect?	Persons who are using the roads, and highways.
What are the boundaries of the problem?	People who want to avoid traffic jams and want to reach their destination on time.
What is the issue?	Loud honking, road rage, and over-speeding can affect the person themselves and other commuters as well. And one of the biggest consequences of this is stress. Stress is a very broad term with multiple dimensions. The main cause of **wastage of fuels and air pollution**.
When does the issue occur?	**When vehicles are fully stopped for periods of time**, this is known as a traffic jam or (informally) a traffic snarl-up. **Insufficient road capacity** will cause congestion as there are too many cars for what the road cannot handle.

Where does the issue occur?	It will occur on roads and highways.
Why is it important that we fix the problem?	It makes people very frustrated. It will get late for the people to reach their destination on time.
What solution to solve this issue?	Intelligent transportation systems are "smart road signs" that **incorporate smart codes (e.g., visible at infrared) on their surface to provide more detailed information to smart vehicles. It reduces traffic jams on roads and highways.**
What methodology was used to solve the issue?	Safe Road, the assessment of road (or road network) safety is multifaceted. Road inspection enables clear and direct observation of the state of the road and assesses the need for repairs or modifications. The structure of the road network is amenable to safety assessment through partitioning into what is called "Traffic Analysis Zones (TAZs)".