Technology Enhanced Innovative Traffic Management for a Sustainable Road Network

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**Aim**
To identify areas of development in wireless traffic management systems that take into consideration future advances in the way we use our roads and enable this technology to generate sustainable transport infrastructure.

**Objectives**
1. Properties
2. Future Road Use
3. Potential Problems
4. Solutions
Literature Review & Interview

Advantages
- Ease of Installation
- Health & Safety
- Sustainability
- Centralised Maintenance

Problems
- Implementation
- Availability of Technology and Infrastructure
- Accuracy of GPS Systems
- External Factors
- Security

Traffic Management

Government Policy Strategy
- Improve Infrastructure
- Safer Roads
- Access
- Innovation
- Reduce Pollution

Wireless Traffic Lights
- One Circuit
- Low Cost
- Fast Speed
- Integrated City

Road Changes
- Autonomous Vehicles
- Cyclists
- Demand
- Construction Materials
- Drones
Recommendation Strategy

- Timing
- Algorithm
- Improve Infrastructure
- Design
- Secure Systems
- Daily Updates
- System Hacking
- Software Updates
- GPS Accuracy
Summary

• Why Wireless?
• Advancements
• Public Perception
• Impact on Industry

Approach to Problems
Questions?
You got the green light!

Thank you for listening.