Sustainable Roads
Speed Management Program in Iran

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Presentation Outline

- Introduction
- Necessity and Rationale
- Model of Speed Management
- Stages of Speed Management
- Conclusions & Recommendations
Speeding and its Consequences

Increasing the Stopping Sight Distance

![Graph showing the relationship between speed and stopping sight distance.](image)
Speeding and its Consequences

Violation from Permitted Speed
Speeding and its Consequences

- Safety Consequences
  - Increased Stopping Sight Distance
  - Increased Crash Probability
  - Reduced Drivers' Ability
  - Increased Accidents Intensity
  - Increased Probability of Physical damages
Speed Management

A combination of software and hardware undertakings and alternatives, including engineering, regulatory and educational, for accessibility to suitable and safe speed
Necessity and Rationale

25 to 30% of the country's accidents are due to speeding.

Death Toll Records due to Speed
About 35 to 40 % of road accidents damages occur due to Speeding
Objectives of Speed Management Program

- Improvement of knowledge, information and public sense regarding the risks of excessive speed
- Reduction of accidents
- Increasing the environmental benefits
- Development of speed management alternatives
- Increasing the economic benefits
Objectives of Speed Management Program

- Determination of suitable speed limitations
- Provision of educational, training and information programs for the public
- Provision and enactment of laws and regulations
- Improvement of geometric design of roads
- Improvement of vehicles’ safety
- Improvement of rules and regulations
- Application of advanced technology
Present Activities & Initiatives

1) Engineering measures
• Provision of Geometric Design Manual
• Provision of Road Sign Design Manual
• Reducing the accident prone areas and locations
• Utilization of traffic calming methods
2) Training Initiatives

• Establishment of police schools and universities
• Production of television animations by police authorities
• Publication of relevant concepts in media
• Training in the textbooks of school courses
• Distribution of training notebooks among kindergartens
• Training programs for the schools located at the road margins
3) Rules and Regulations activities

- Enactment of rules through provision of Codes of Practice
- Equipping roads to vehicles’ speed measurement
- Recording apparatus, and performance of fines program
- Utilization of speed control video systems
- Utilization of weigh in motion
- Application of GPS in public transportation fleet
Recommended speed management program

Objective: Reduction of speed share in occurrence of accidents to 20% at the end of the program

Performance duration 4 years

- Control and Supervision
- Laws & Regulations
- Objectives, Strategies, Measurements
- Training, Education and Information
Objective 1. Road safety by enactment of periodic suitable speed limitations

- Application of appropriate speed limitations policy
- Application of ITS in Roads, Vehicles
- New Technology in traffic control Devices
Objective 2. Enactment of periodic suitable speed limitations

- Development of a model for determination of speed limitations
- Utilization of special speed limitations in specific circumstances e.g. sliding roads, etc..
- Evaluation of periodic speed limitations
Objective 3. Equipping the vehicles, roads and police

• Application of speed alarming equipment in vehicles
• Equipping the police to new technologies and instruments
• Application of laws and regulations regarding speeding
• Application of speed sensors in the roads
• Mechanism for utilization of ITS for speed control
Objective 1. Creation of a foreground for development of cultural habits

- Public training considerations
- Continuous education of children and the youth by school books
- Educational texts for drivers before and after issuing license
Objective 1. Improvement of information dissemination and monitoring

- Utilization of signs for the purpose of information dissemination
- Information dissemination on the speed laws and regulations
- Monitoring on activities regarding applications of laws and regulations
Objective 1. Improvement of laws and regulations

- Provision of appropriate mechanism for allocation of negative points to careless drivers
- Compulsation of guilty drivers for participation in training courses
- Appropriate fine and punishment for the guilty drivers
- Compulsation of auto makers to follow the speed safety standards
Objective 2. Compilation of alternatives for control & supervision of speed

- Presentation of appropriate speed control and supervision alternatives
- Presentation of control and supervision as well as enforcement of laws
- Concentration on accident prone areas
- Removing the weakness articles regarding execution and application of police regulations
Objective 2. Compilation of alternatives for control & supervision of speed

- Appropriate locations for installation of fixed and mobile speed cameras
- Providing monthly timetables for control and supervision operations
- Presentation of operational considerations for speed control and supervision
Recommended speed management program

- Control and Supervision
- Laws & Regulations
- Objectives, Strategies, Measurements
- Engineering Measurements
- Training, Education and Information

Objective: Reduction of speed share in occurrence of accidents to 20% at the end of the program

Performance duration 4 years
Thank you for your Attention