

Sustainable Roads

Speed Management Program in Iran

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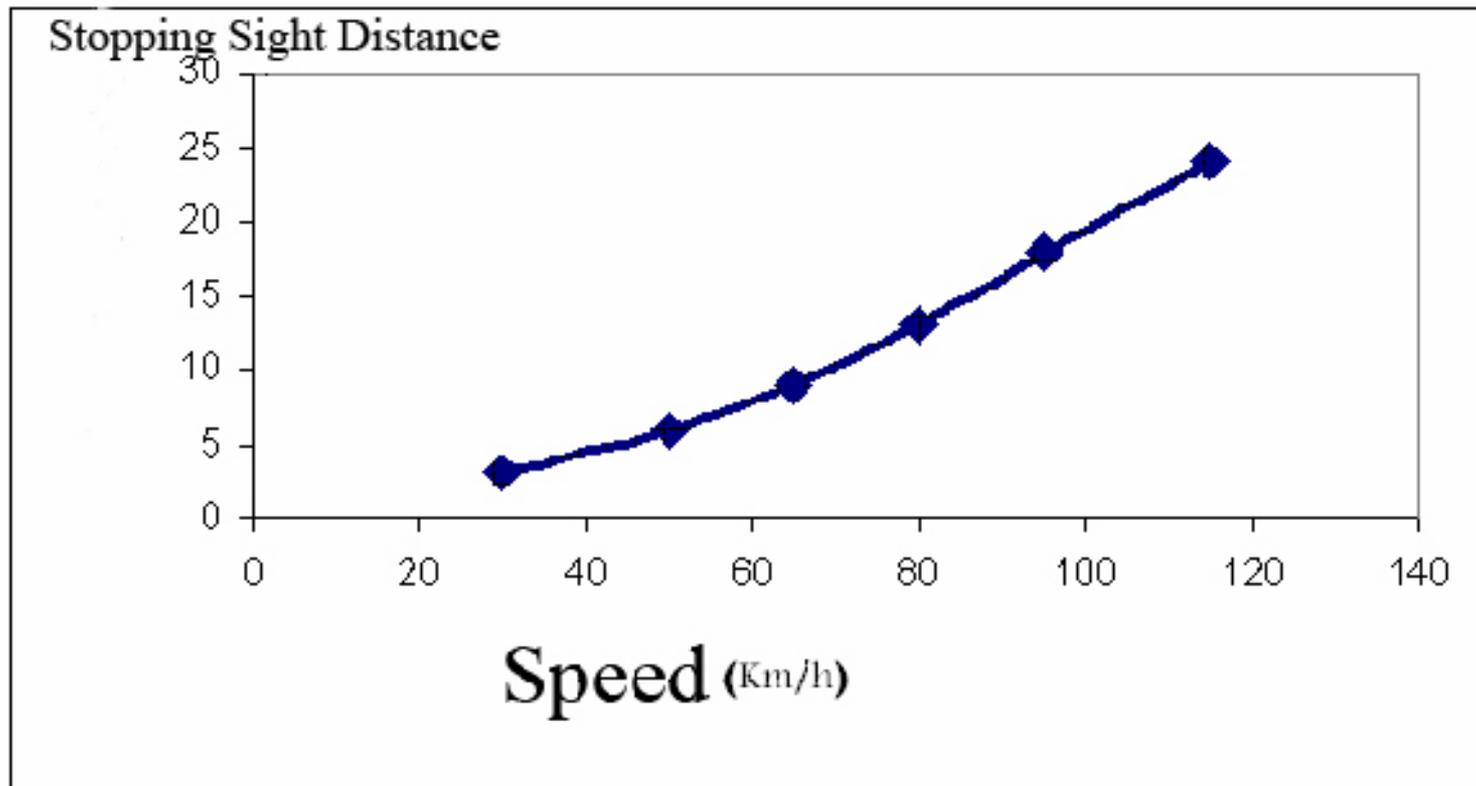
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Presentation Outline

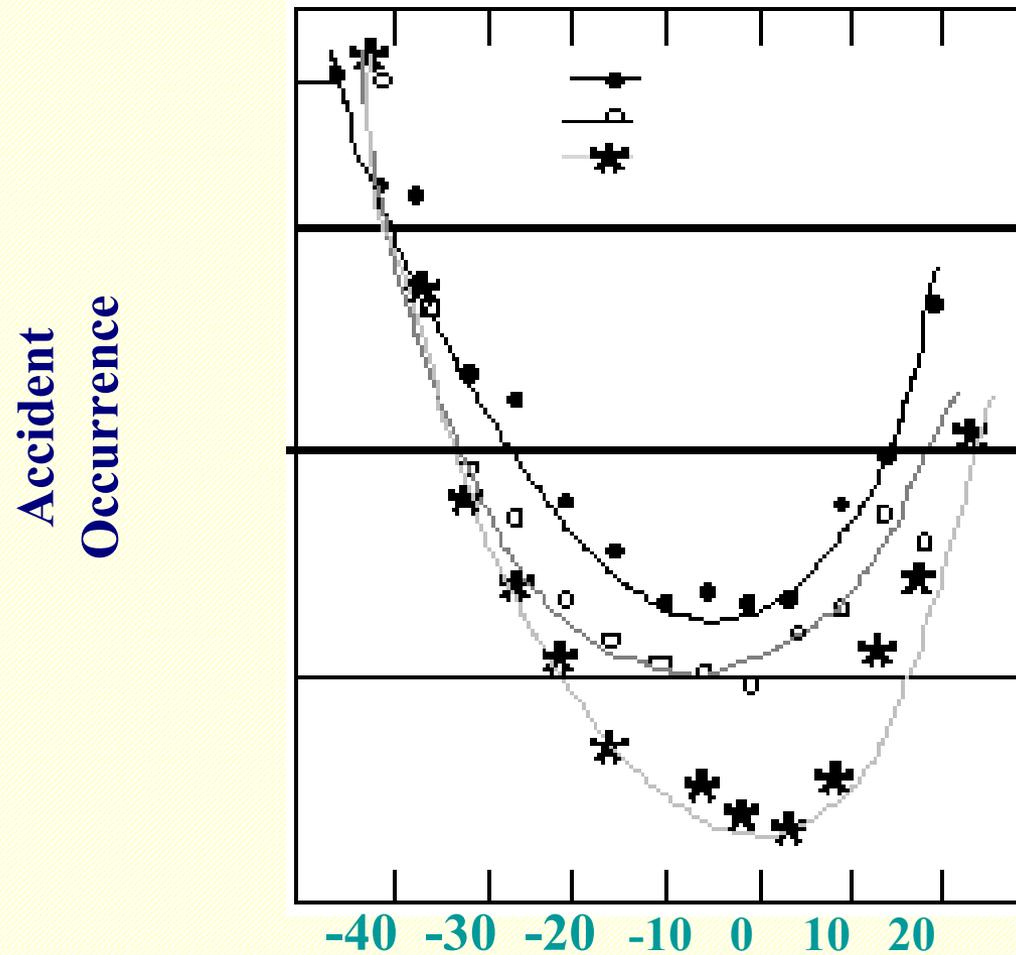
- **Introduction**
- **Necessity and Rationale**
- **Model of Speed Management**
- **Stages of Speed Management**
- **Conclusions & Recommendations**

Speeding and its Consequences

Increasing the Stopping Sight Distance



Speeding and its Consequences

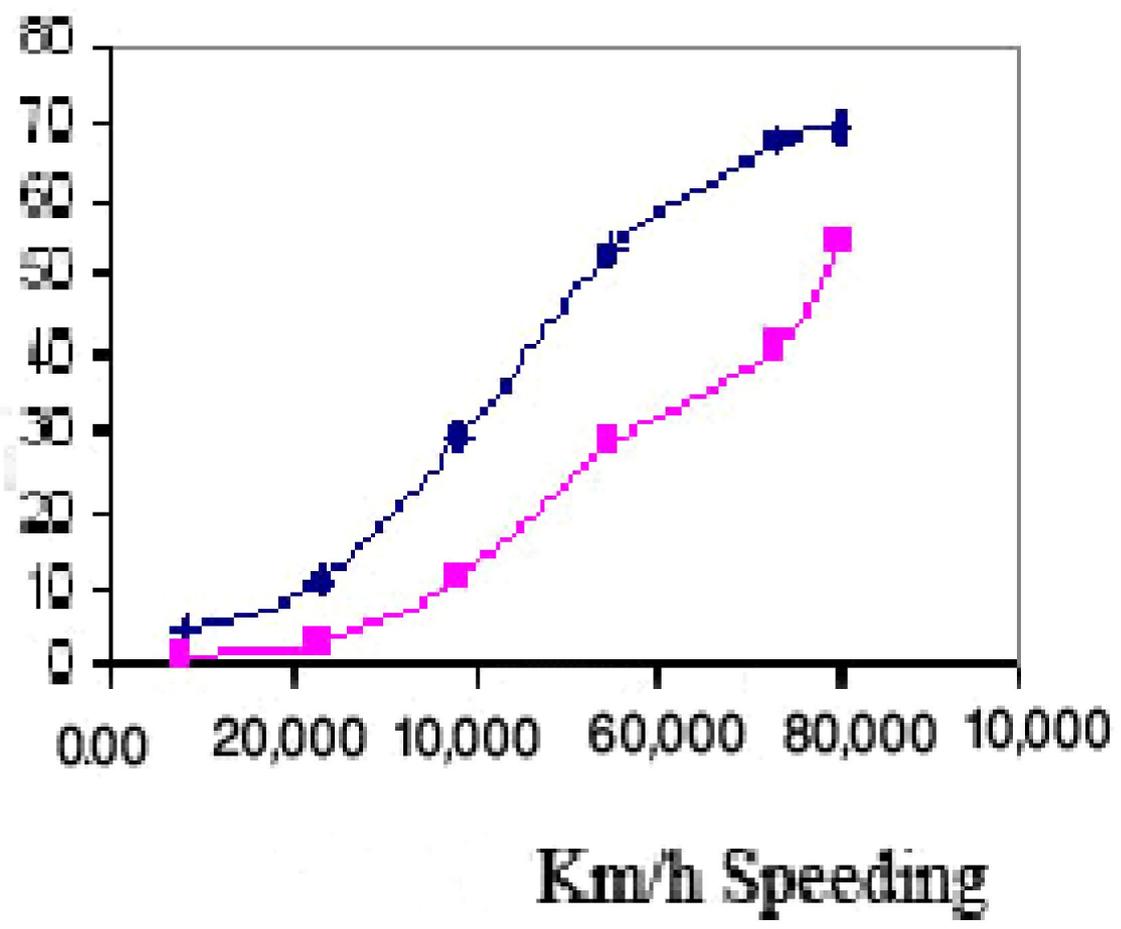


Violation from Permitted Speed

Speeding and its Consequences

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

No of Causalties per 100 pass



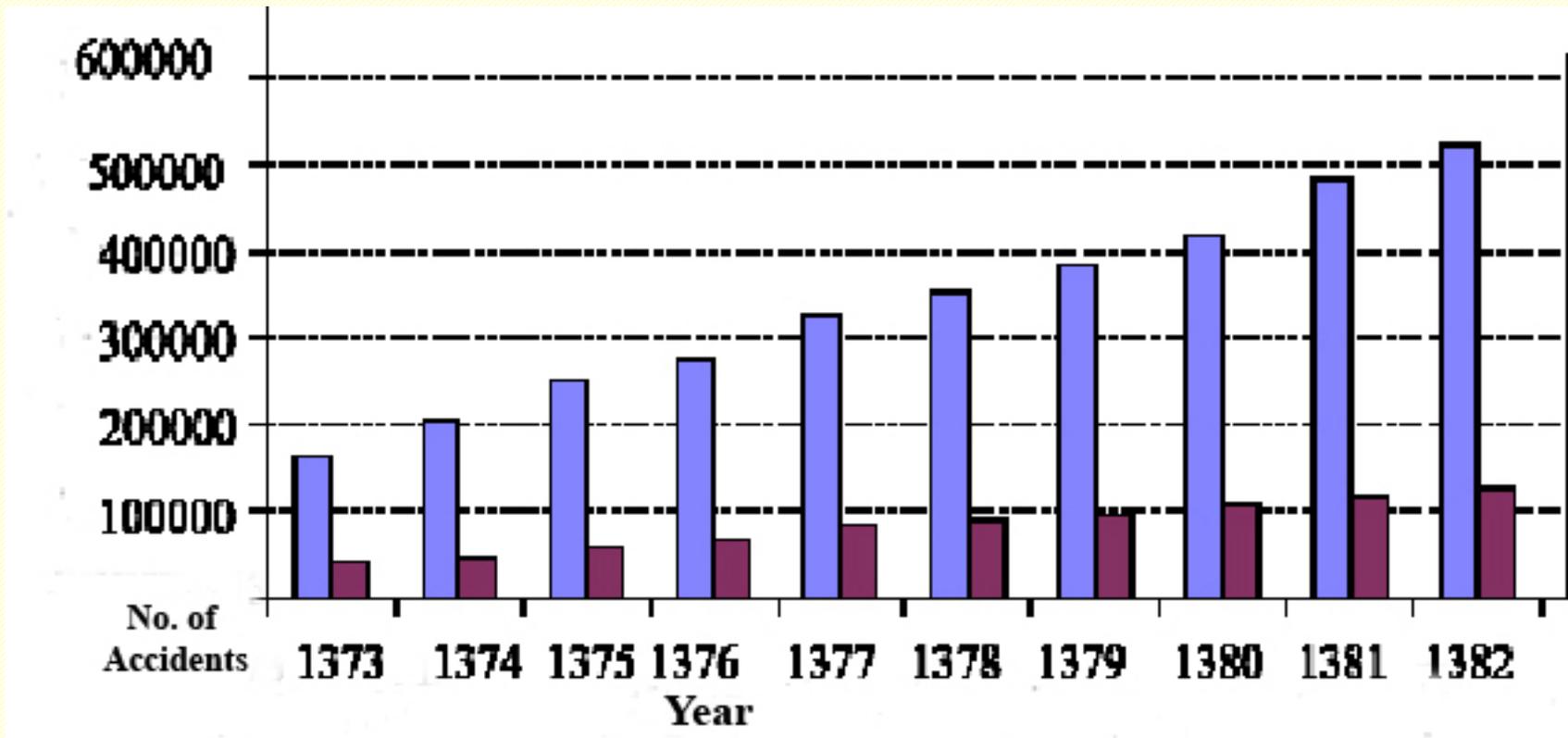
:Speed Management

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

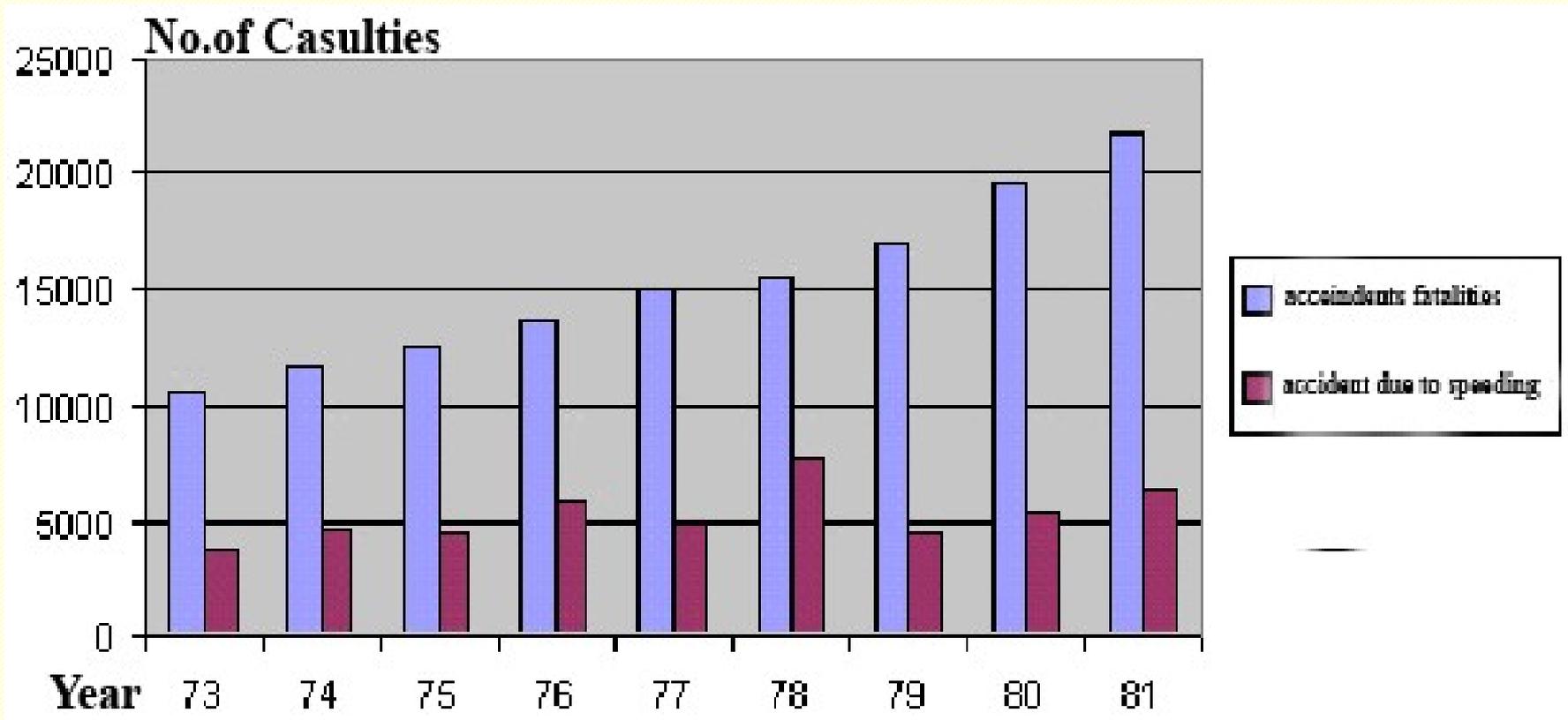
Necessity and Rationale

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**

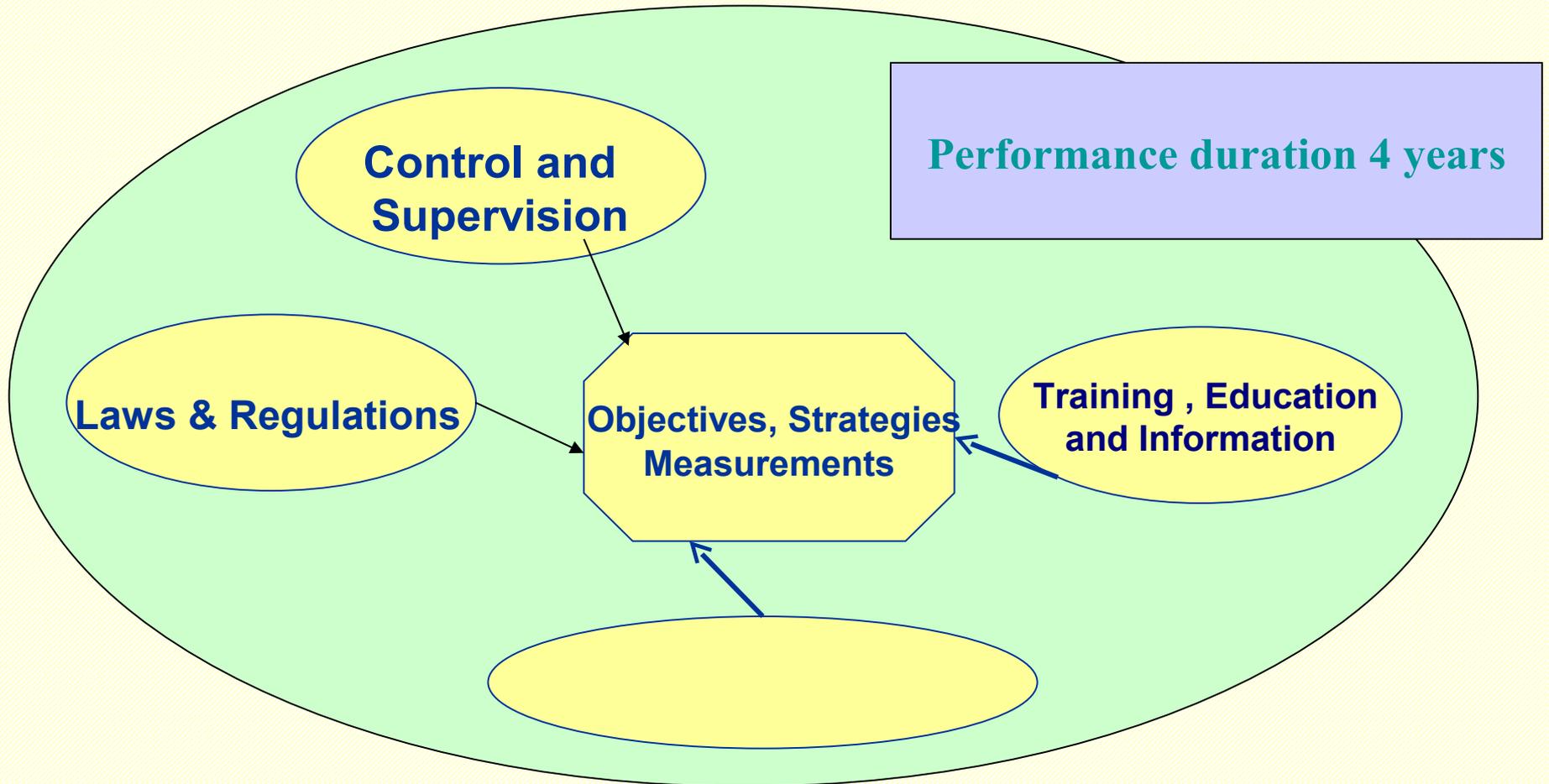
2) Training Initiatives

- 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

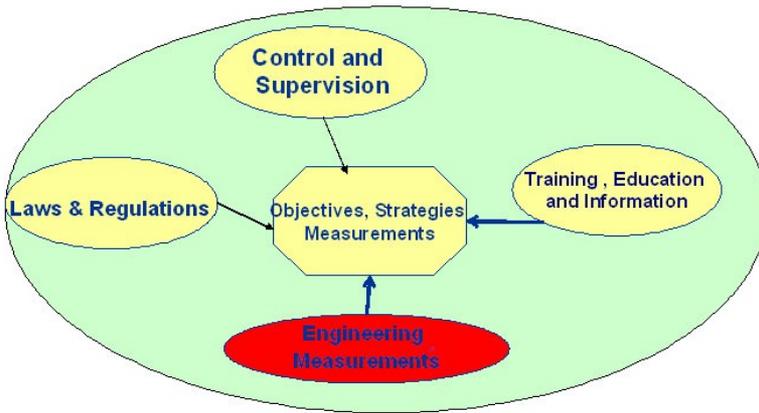
- Enactment of rules through provision of Codes of Practice**
- Equipping roads to vehicles' speed measurement**
- Recording apparatus, and performance of fines program**
- Utilization of speed control video systems**
- Utilization of weigh in motion**
- Application of GPS in public transportation fleet**

Recommended speed management program



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

Recommended speed management program

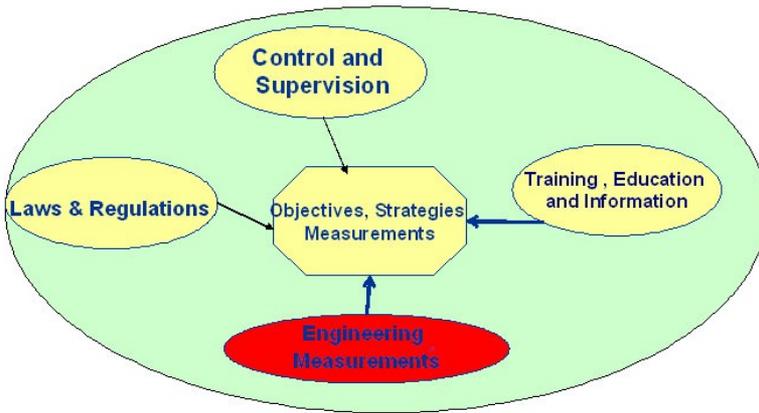


Engineering Measures

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**

Recommended speed management program

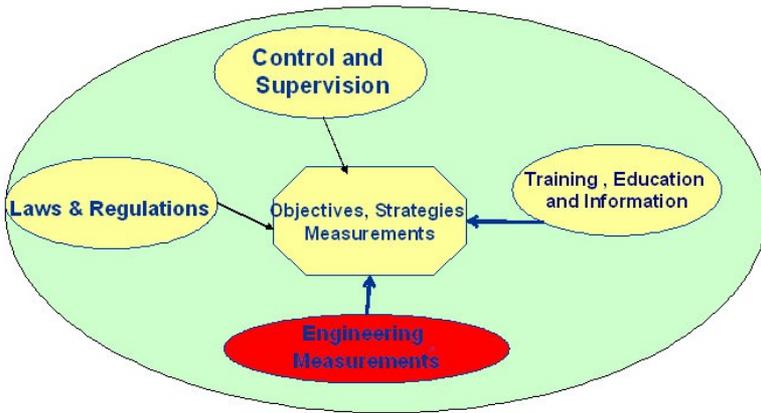


Engineering Measures

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

Recommended speed management program

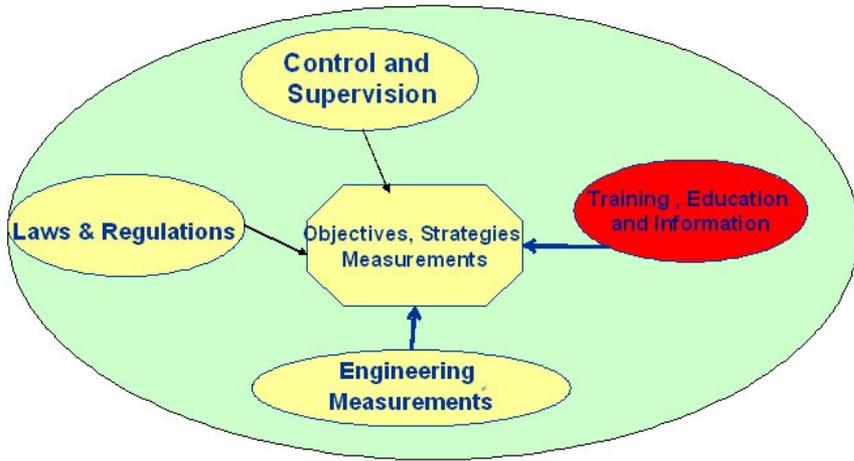


Engineering Measures

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

Recommended speed management program

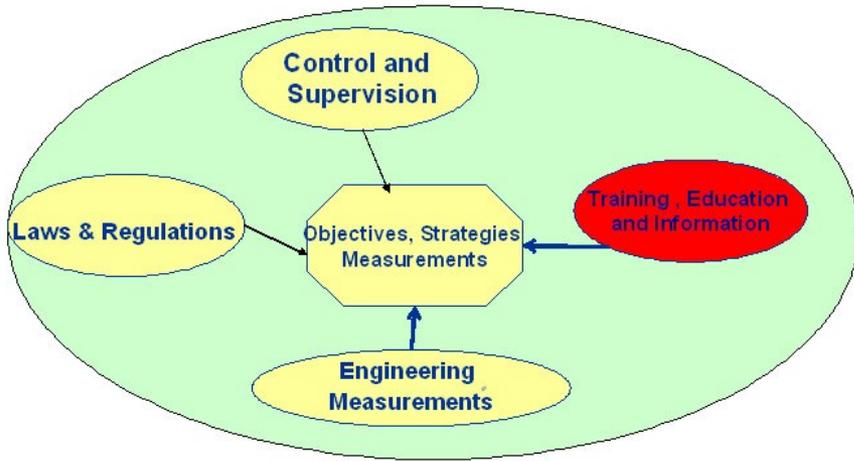


Training and Education

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**

Recommended speed management program

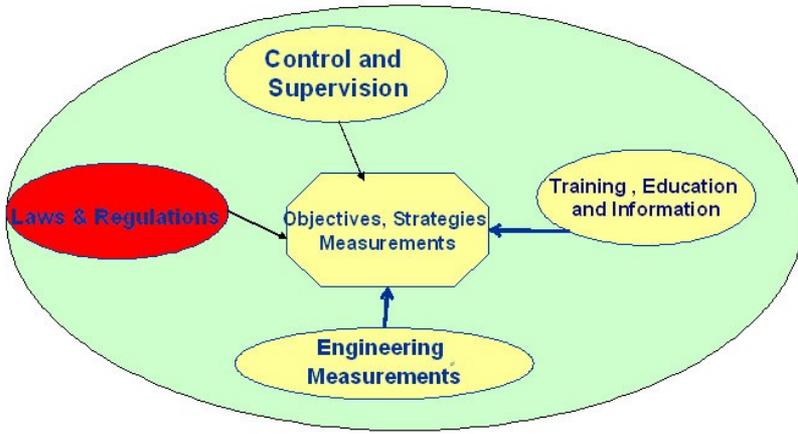


Training and Education

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

Recommended speed management program

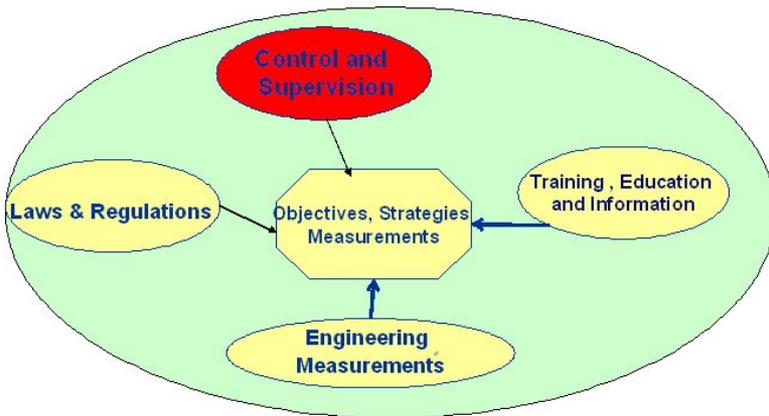


Laws and Regulations

Objective 1. Improvement of laws and regulations

- Provision of appropriate mechanism for allocation of negative points to careless drivers
- Compulsion of guilty drivers for participation in training courses
- Appropriate fine and punishment for the guilty drivers
- Compulsion of auto makers to follow the speed safety standards

Recommended speed management program

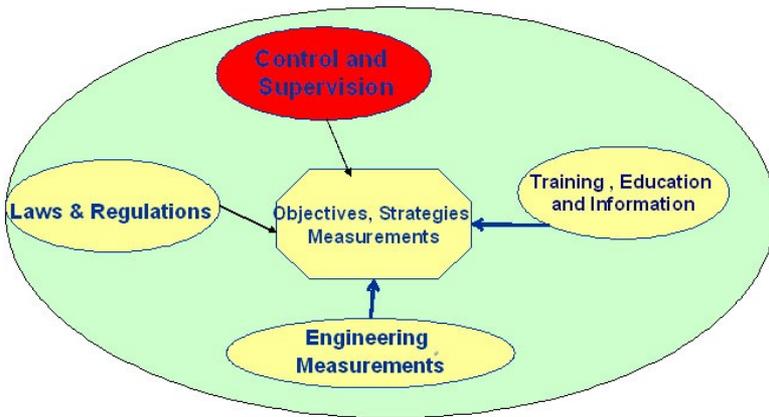


Control and Supervision

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

Recommended speed management program



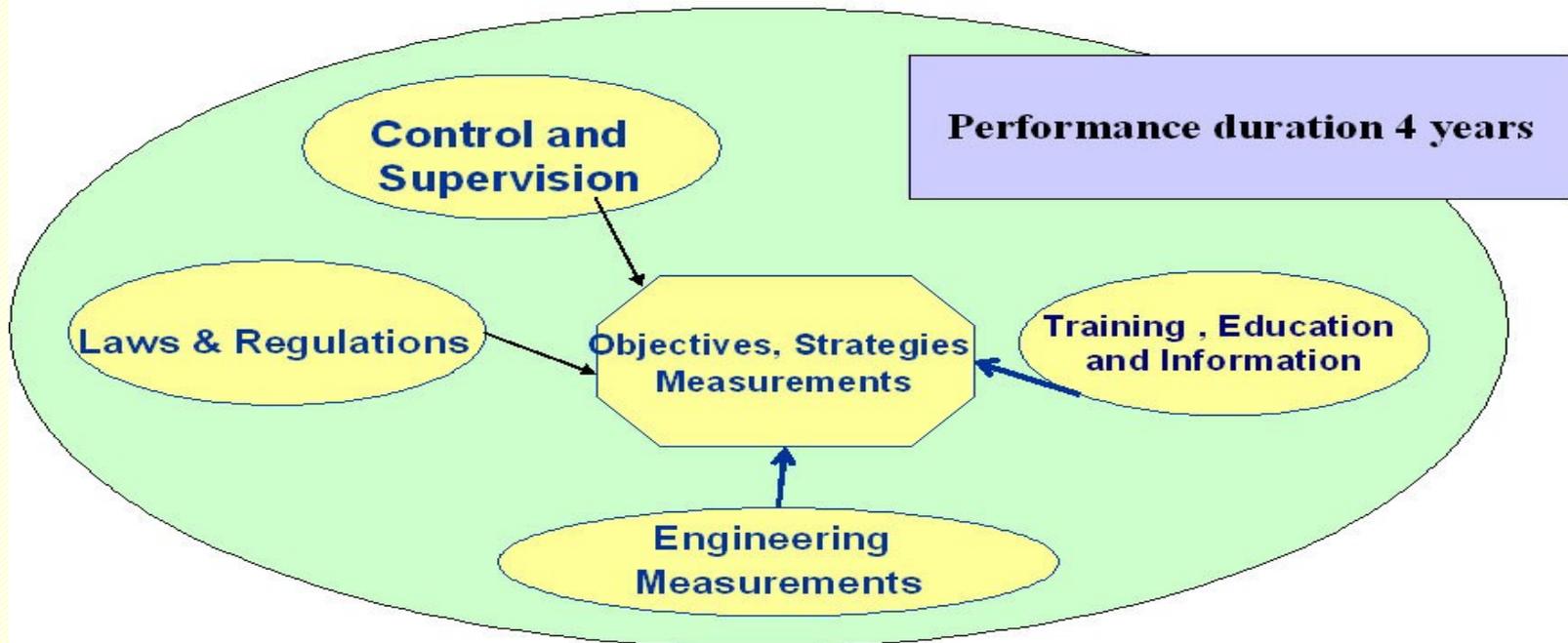
Control and Supervision

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

Conclusion

Recommended speed management program



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

Thank you for your Attantion