

FACT SHEET NO.: 3/7

PERFORMED BY: FÖMTERV

A GENERAL INFORMATION		
A 1	Category	Infrastructure
A 2	Subcategory	Intelligent Transport System (ITS)
A 3	Transport policy measure (TPM)	Deployment of roadside-based ITS infrastructure for information services (provision of warnings and dynamic speed harmonisation)
A 4	Description of TPM	<p>The increasing demand for mobility (both people and goods), the environmental problems and road safety require a high performance road transport system where drivers, vehicles and infrastructure are integrated into one reliable, efficient and smart transport system. These objectives can be realised by services and systems supported by an integrated approach of intelligent vehicles and intelligent infrastructure supporting the driver. These intelligent systems and the interaction between vehicles and roadside are today enabled by advanced information and communication technologies.</p> <p>These services/systems are dealing with:</p> <ul style="list-style-type: none"> • Up-to-date traffic information, traffic management, congestion reduction, improved mobility • Increased road safety and security, • Reduction of environmental problems, • Development of sustainability. <p>The intelligent infrastructure is the key component in the support, management and interaction between the drivers/vehicles and the network operator. [1,2,4]</p>
A 5	Implementation examples	<ul style="list-style-type: none"> - SMART highway R&D project, launched in 2008, Korea - Harbin, China: autonomous road side infrastructure based system
A 6	Objectives of TPM	<ul style="list-style-type: none"> - Reduce congestion - Avoid accidents - Increase road safety and security - Reduce environmental problems [2,4]
A 7	Key changes concerning:	
A 7.1	- Choice of transport mode / Multimodality:	No impact
A 7.2	- Origin and/or destination of trip:	No impact
A 7.3	- Trip frequency:	No impact
A 7.4	- Choice of route:	No impact.
A 7.5	- Timing (day, hour):	No impact
A 7.6	- Occupancy rate / Loading factor:	No impact
A 7.7	- Energy efficiency / Energy usage:	Increase in energy efficiency due to traffic management and increased free flow of road vehicles.
A 8	Main source	[1,4]

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