

Smart Zone

SolarTech's work zone ITS software

VARIABLE SPEED LIMIT SYSTEM

MAINTAINING A SAFE SPEED

The goal of a Variable Speed Limit System is to allow motorists to maintain a safe speed, yet keep traffic moving without endangering others sharing the roadway.

Studies show that reducing the speed limit in less than ideal conditions decreases the possibility of accidents, helps manage traffic flow, and increases safety.

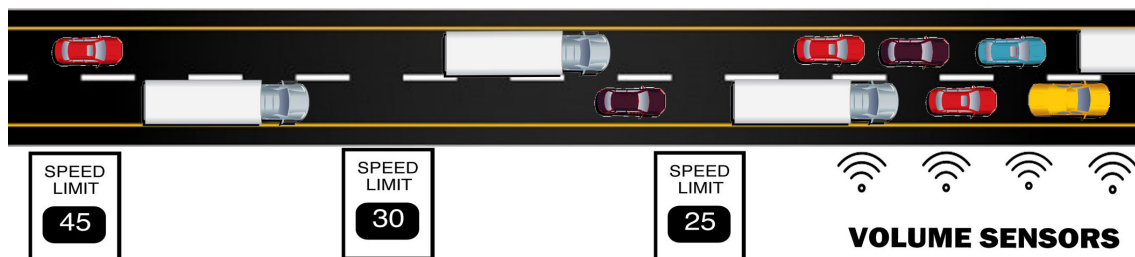
CONDITIONS AND SPEED

There are numerous factors that can affect travel speed including work zones, traffic volume, weather conditions, and roadway surface conditions.

Sensors will gather the specified data to be analyzed by Smart Zone software, and based on the outcome, a safe traveling speed will be determined and displayed on speed limit signs upstream. As traffic flow improves, speed limits can be automatically adjusted.

Smartzone offers remote monitoring and message updating, automatic user-notification via text message or email and is designed to work with any traffic management system.

SCENARIO



Sources
Message Board DRS Demo 7 Average Speed Current average speed: 40.00 MPH
Message Board DRS Demo 8 Average Speed Current average speed: 54.00 MPH
active Texas specs
Sources
Houston Radar doppler [10.1.1.2002] Average Speed Current average speed: 54.00 MPH
Houston Radar sidefire [10.1.1.2001] Average Speed - Lane 1 Current average speed: 31.00 MPH
Message Board SRS Demo 2 Average Speed - Lane 3 Current average speed: 32.00 MPH



SmartZone: Putting the “Smart” in Smart Work Zones



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