



MnDOT Statewide Work Zone Safety Committee

Intelligent Work Zone Options

November 26, 2019

Trucks Entering Systems





TRUCKS ENTERING SYSTEM

Alert Motorists in real-time to slow-moving construction vehicles entering traffic

Product Features

FEATURE	DETAILS
Ways to alert	Trucks Entering System detects and sends an advanced warning to motorists by activating a changeable message sign with flashing lights or a Flasher trailer.
Flexible	Custom application and specific equipment platforms are also available. Whatever the application, Street Smart has the equipment for you.
Application	This is a custom solution for managing both Truck Eeling and Trucks Entering the roadway. Examples of common applications are: <i>Work Zones Road Closures Intersection crossings Rural Bus Routes Oil Fields Police & Fire Stations Mining Operations</i>
Monitoring and Reporting	Entry/Exit activations archived so you can analyze the traffic impacts of a specific work zone has on the driving public. Built-in camera to remotely calibrate and view activations in real-time. Email/SMS real-time alerts. Access data remotely with web application.
Delivery	Available to rent anywhere in the USA / Canada.

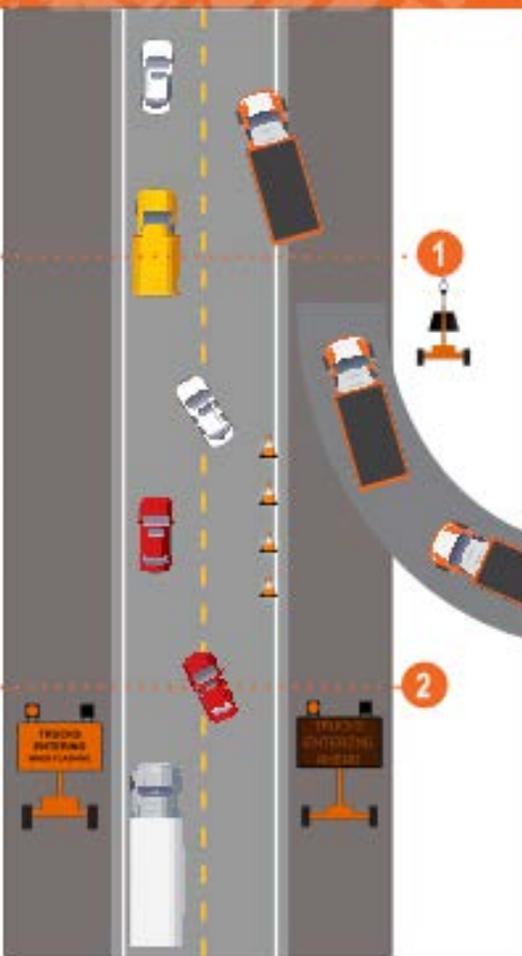
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TRUCKS ENTERING SYSTEM

The smart sensor box with camera detects the presence of trucks entering from the work zone onto the road using side fire or directional presence detection. Built in HD camera with motion email/sms alerts and video clips.





The changeable message or flasher trailer sign will then alert motorists in real-time of the truck entering the roadway.



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Left Turn Queue Detection

START EXECUTING YOUR PROJECT TODAY
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LEFT TURN QUEUE DETECTION SYSTEM

PREVENT REAR-END COLLISIONS BY ALERTING MOTORISTS IN REAL-TIME TO VEHICLES STOPPED AHEAD WAITING TO TURN.



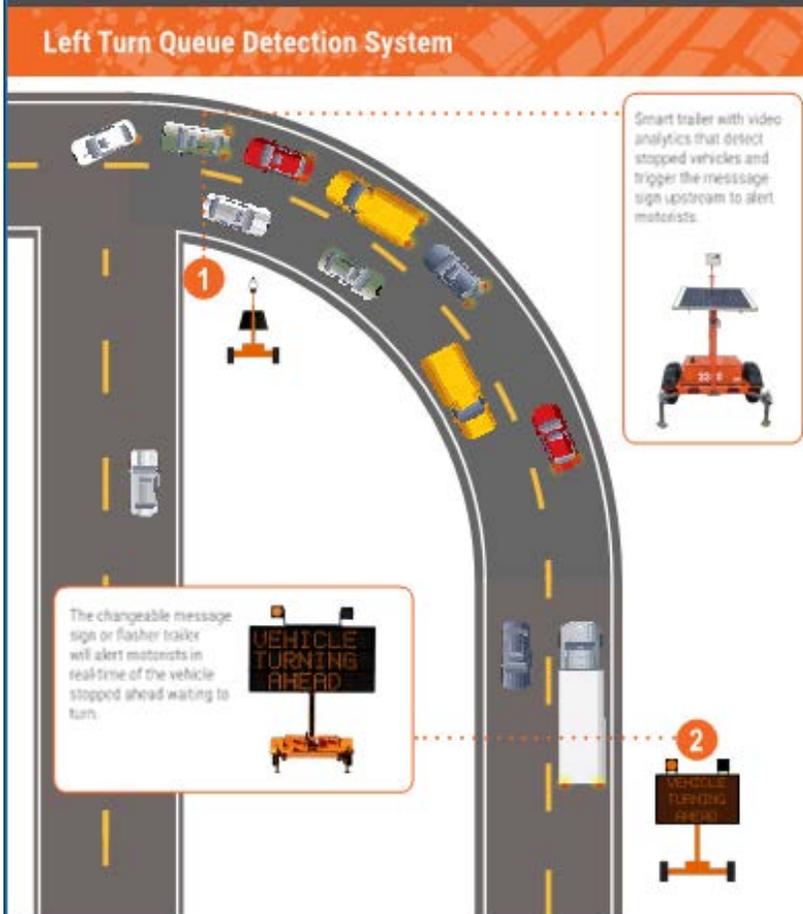
Product Features

FEATURE	DETAILS
Ways to alert	Left Turn Queue Detection Systems alert motorists by using video analytics to determine if a vehicle is waiting to turn and then alerting motorists by activating a changeable message sign with flashing lights or flasher trailer upstream of the stopped vehicle.
Flexible	Custom application-specific equipment platforms are also available. Whatever the application, Street Smart has the equipment for you.
Application	This is a custom solution commonly used in work zones with single lane traffic where a turn lane is not present. It's also effective in non-work zone applications where stopped traffic can't be seen due to curves and hills.
Monitoring and Reporting	System activations are archived so you can analyze the traffic impacts of a specific work zone. Optional HD cameras can be added to the sensor trailer to view real-time incidents and archived videos.
Delivery	Available to rent anywhere in the USA / Canada.

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Left Turn Queue Detection System



Smart trailer with video analytics that detect stopped vehicles and trigger the message sign upstream to alert motorists.

The changeable message sign or flasher trailer will alert motorists in real-time of the vehicle stopped ahead waiting to turn.

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Emergency Pull Off Detection





EMERGENCY PULL OFF DETECTION SYSTEM

Alert DOT's, TMC's, Highway Helpers of vehicles in the emergency pull-off areas in work zones. Alert motorists of vehicles ahead on the shoulder.

Product Features

FEATURE	DETAILS
Application	This is a custom solution for managing emergency pull-off areas in work zones. The detection system alerts motorists, traffic management centers and highway helpers that there is a vehicle detected in the pull-off area.
Ways to Alert	Motorists are alerted by a changeable message sign with flashing lights that a vehicle is on the shoulder ahead and to slow down and use caution. TMC's and highway helpers are alerted by text messages or emails that a vehicle is in the area and may need help.
Monitoring and Reporting	TMC's are able to monitor the situation in real time with the built in camera and dispatch help as needed. Vehicle detections and changeable message sign activation are archived so you can see the history along with video of the incident.
Flexible	Custom applications and specific equipment platforms are also available. Whatever the application, Street Smart has the equipment for you.
Delivery	We'll be there anywhere in the USA / Canada.

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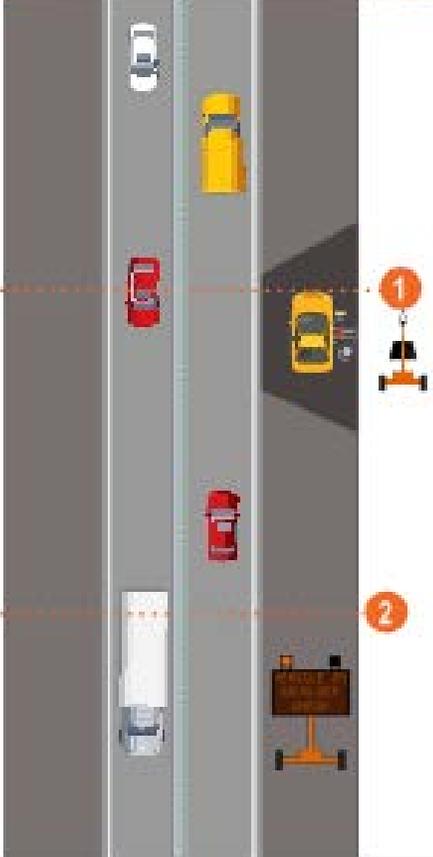
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EMERGENCY PULL OFF DETECTION SYSTEM

The smart sensor box with camera will detect the presence of vehicles in the emergency pull off area. Built in HD camera with night-vision alerts and real time video.



The changeable message sign with flashing lights will then alert motorists several times that there is a vehicle on the shoulder and to slow down and use caution. TMC's or highway helpers will be notified via email or text alerts so they can dispatch help if needed and monitor the situation.



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