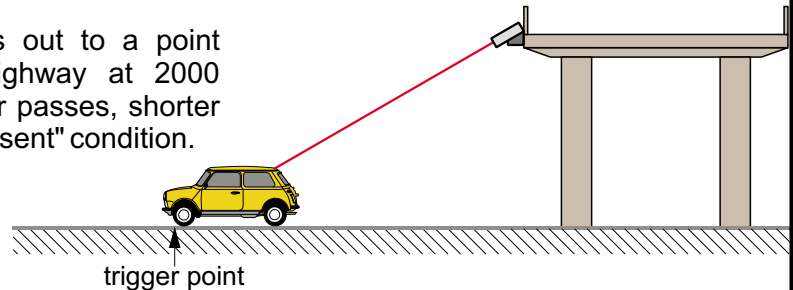


Applications of **RIEGL** Laser Instruments

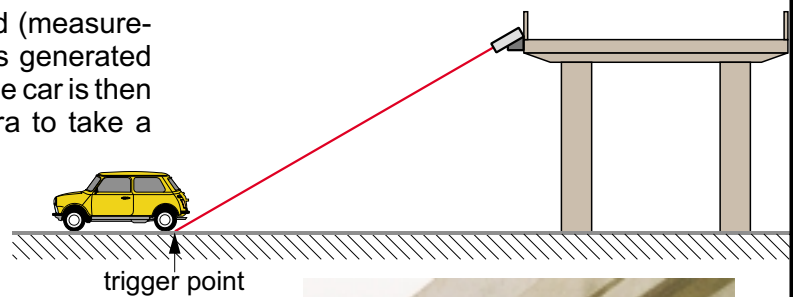
Problem: Sensor required to monitor passing high speed traffic and trigger camera when license plate is at trigger point.

Solution:

The LD90-3100VHS-FLP measures out to a point about 10-15 meters down the highway at 2000 measurements per second. As a car passes, shorter distances are interpreted as a "car present" condition.



Immediately after the car has passed (measurement to the street again), a trigger is generated and sent to the camera. The back of the car is then at the correct position for the camera to take a picture of the license plate.



LD90-3100VHS-FLP and camera mounted on a highway bridge



Performance:

	LD90-3100HS	LD90-3100VHS-FLP
Measurement rate	200 Hz	2000 Hz
Typical accuracy	±15 mm	±25 mm
Measuring range (to very badly reflecting targets)	up to 50 m	up to 60 m

Advantages:

- ✓ Camera and RIEGL LD90-3 mounted on the same over head structure.
- ✓ No cooperative reflectors required