

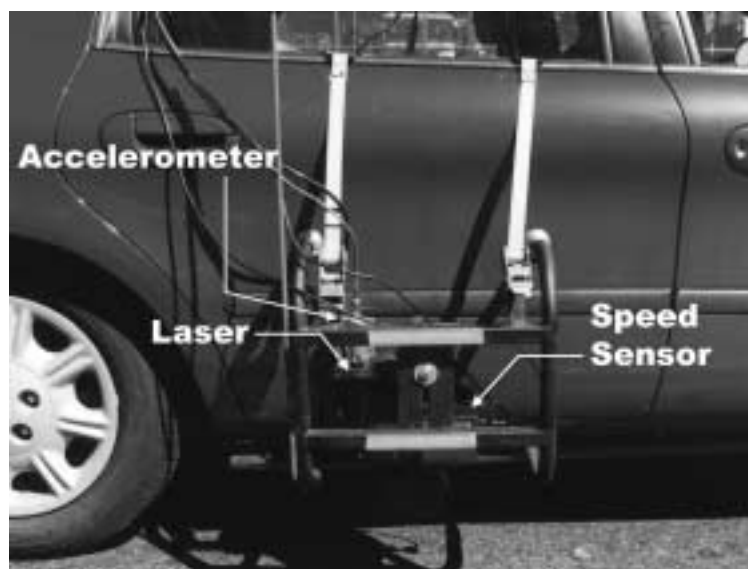
**THE CAR AND THE PROFILOMETERS USED
TO MEASURE THE SMOOTHNESS OF NEW YORK CITY'S STREETS**



THE CAR AND THE PROFILOMETERS THAT MEASURED THE SURFACES OF THE CITY'S STREETS



This car measured the surface of approximately 670 miles of New York City streets in 1999, with two profilometers – one attached to each side of the vehicle.



The components of the profilometer are shown below: the laser, accelerometer and speed sensor.