

ABSTRACT

SYSTEM FOR DETECTING OVER AXLE WEIGHT VEHICLE

5 A technique for recording the front image of
vehicles which violate the regulation in the axle
weight is desired. In general, the weight of the
leading axle cannot be excessively heavy, so that the
over weight axle is a second or more rear side axle.
10 And the distance between an axle weight detector and a
vehicle detector for taking a vehicle image is
normally below 8 meters. Under these conditions, when
the over weight axle is detected, the over axle weight
vehicle is guessed to be a vehicle being presently
15 detected, a vehicle to be detected next, or next to
the next. From the images of those vehicles, vehicles
having no possibility to violate the axle weight
regulation are eliminated based on a license plate
read from the vehicle image or the measured vehicle
20 height. The images being not eliminated are stored as
over axle weight vehicle images.

(Fig. 5)