

ITS saves 8% in equipment running time

International Terminal Solutions (ITS) has developed what it believes is the most cost effective and flexible solution in straddle carrier and truck alignment systems, LoadVIEW.

The system allows the driver of a truck, trailer-train or straddle carrier to view the vehicle in relation to the stopping position offering a computer-augmented birds-eye view. Most existing systems use lights to show the driver the stopping point making it difficult to judge the exact position. The LoadVIEW system allows the driver to adjust his speed to suit as he is able to see the exact distance to the stopping point. With LoadVIEW he doesn't have to look sideways to the crane, he can look forward with obvious safety benefits, says ITS.

LoadVIEW does not require an external operator and can be configured to load and unload any combination of containers. The system can also align two empty or loaded chassis side by side simultaneously for a tandem lift. The system can also



■ Typical in-cab arrangement. (Inset): Typical split screen view for a 20' and 40'/45' foot container

position empty chassis with twistlocks.

The system works by positioning cameras on the crane pointed at the loading area both under the crane and in the back-reach. Target markers are overlaid on the image and the composite image transmitted to the driver, who has a wireless display and selector enabling him to display the images from the appropriate crane.

In the load and discharge operation of a vessel it is most efficient to have an empty chassis waiting to receive a

container or a container ready to be lifted onto the vessel. To achieve this systems are used to place the container or vehicle directly in line with the spreader removing the need for crane gantry motion or vehicle shuffling as the crane waits. A terminal that can save 10 seconds per move on ship load or discharge could move from 30 moves per hour to nearly 33 moves per hour and could save over 8% in equipment running time and consequent fuel, labour, and maintenance savings. ITS says LoadVIEW can help achieve this.