

ATD NORTHWEST

VIDEO INSTRUMENTATION AT WORK

COMMERCIAL TRUCK STUDIES TRUCK COUNT & CLASSIFICATION SERVICES

BACKGROUND:

ATD Northwest Inc. has developed several unique services for commercial truck studies. In one case, we employ a license plate retrieval system to gather information regarding truck movements on freeways, arterial highways, cities, ports or truck depots. This technique is particularly applicable when truck travel time is of importance in a traffic study. We gather video license plate information at the origin site, intermediate sites, and the final destination. We record the lane, direction of flow, time and date at each site so that travel times between sites can be accurately logged. The plates can be matched from one site to the next. We can determine the time it takes an individual vehicle to travel from one site to the next and the transit time for the entire trip. ATD has conducted license plate surveys from Virginia to California over the past 20 years. Some studies last for only a few hours while others last for up to twenty-four hours. We have developed safe, practical techniques to collect the data in a rapid and efficient manner.



We also provide trailer mounted or pole mounted video systems for count and classification. On occasion, a traffic engineer or city fathers will want to analyze truck movements through a specific community. We install our portable time-lapse video systems throughout the designated truck route to provide an accurate count and classification of trucks traveling through the area. For instance, we can determine the number of cement trucks traveling on a given road for a specific period of time. We can determine how many and what category of truck is passing a grade crossing during a peak traffic period. If needed, we can record how many UPS or Federal Express trucks are traveling on the airport access road. We can provide information as to the percentage of trucks on a specific highway during specific any designated time period. We provide information as to the number of axels, the type of vehicle, its intended use and even its owner or federal ID number.

In a recent weigh-in-motion study our equipment was integrated with the weigh-in-motion unit to identify the vehicle and determine if its road weight exceeded the specified registered gross weight. In another case, equipment was installed at a highway truck stop to observe truck movements and determine how often and how extensive right-of-way encroachments were taking place. Over the years we have been involved with weigh-station by-pass studies, container identification studies, lane occupancy studies, use classification studies, unauthorized route studies, and travel time studies.

It is also possible to install on-board video systems to accurately determine route conformance, travel delays, weather conditions, travel segment incremental intervals, freight handling or any other criteria that may be required.

If you have a unique and challenging problem involving goods movement or truck activities. Give us a call. We just might be able to come up with a novel solution to your requirement.

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