

2012 Edmonton Roadside Truck Survey

APRIL 2013

About the Project

The City of Edmonton is developing a Goods Movement Strategy in support of *The Way We Move*, the City's Transportation Master Plan, to ensure that Edmonton continues to operate a safe and efficient goods movement network.

Over the past decade, the Edmonton region has seen rapid growth and development and important changes have occurred in the transportation network. To understand how these changes have impacted goods movement, the Edmonton Roadside Truck Survey was completed in the fall of 2012. It surveyed nearly 2,300 trucks over 14 days, providing insight into truck travel patterns, routes taken, commodities carried and driver experiences.

Truck Travel Patterns

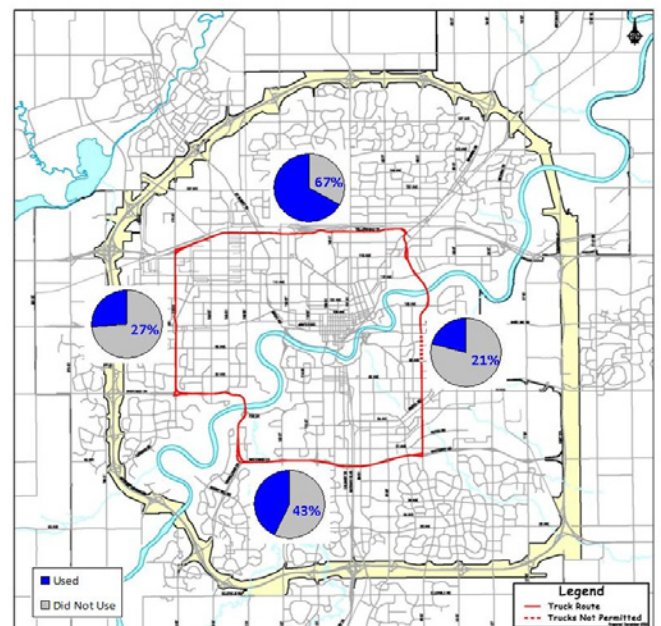
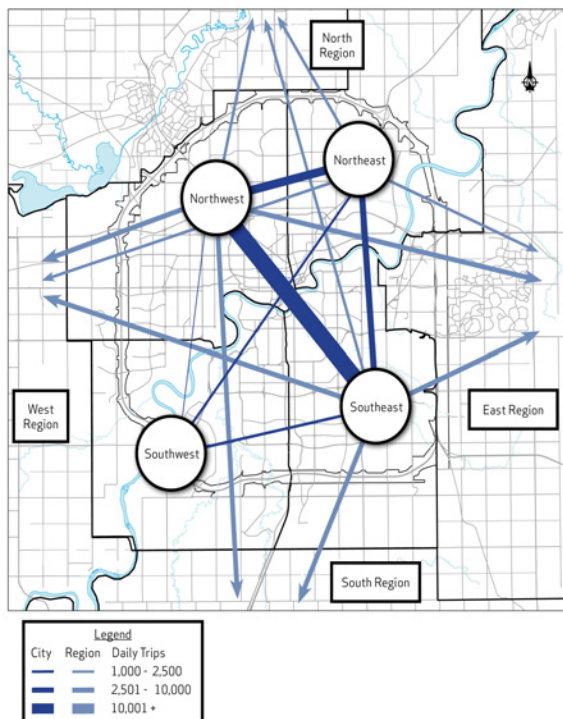
Within the City, the largest movement of trucks is between the Northwest and Southeast quadrants - the largest industrial areas within the city. Between the City and the region, the highest

volume of movement occurs between the East, West and South regions. These patterns are consistent with the findings of previous truck studies, although the West and East regions have become more important as generators of trips to and from the city.

Inner Ring Road and Anthony Henday Drive

Yellowhead Trail and Anthony Henday Drive are very important facilities for goods movement in Edmonton and the region. Sixty percent of truck drivers indicated that they use Anthony Henday Drive during their day while 67% indicate they use Yellowhead Trail. The figure below shows the relative use of the Inner Ring Road facilities used by drivers to complete their trips.

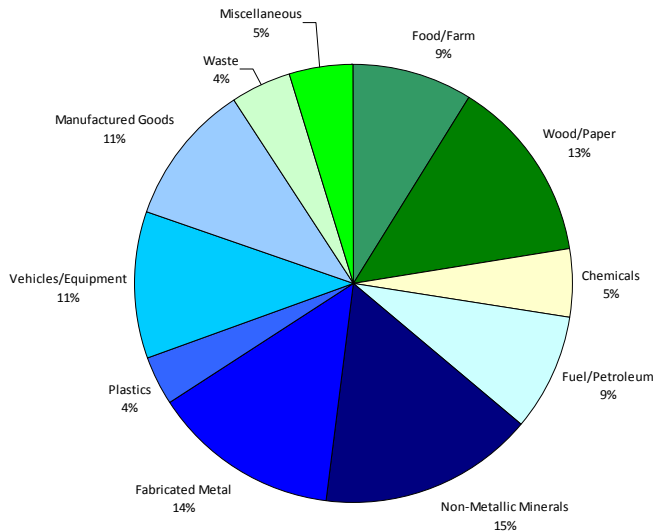
When asked about why truck drivers chose the routes they did an overwhelming number, 81%, indicated that directness to their destination was the most important factor.



Note: Drivers were permitted to select any or all of the Inner Ring Road facilities they would be using that day.

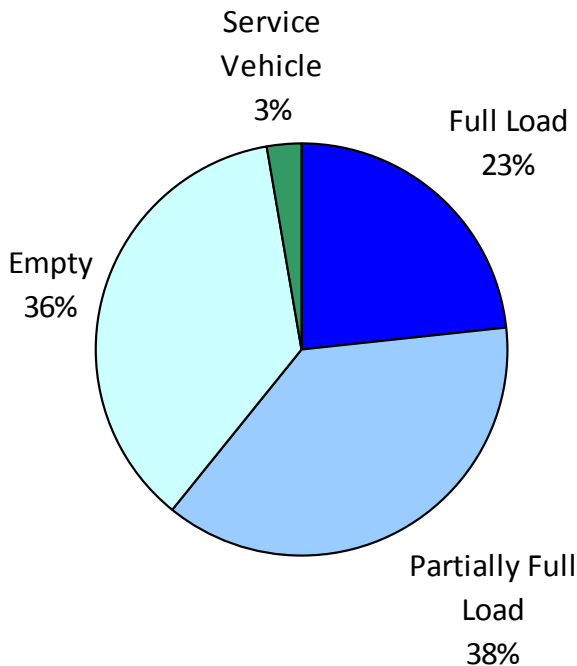


Commodities Carried and Load Efficiency



Results on the commodities carried by trucks reflect and confirm Edmonton's position as a transportation hub for the oil and gas, and construction industries, with 54% of trucks carrying chemicals, fuel petroleum and construction materials.

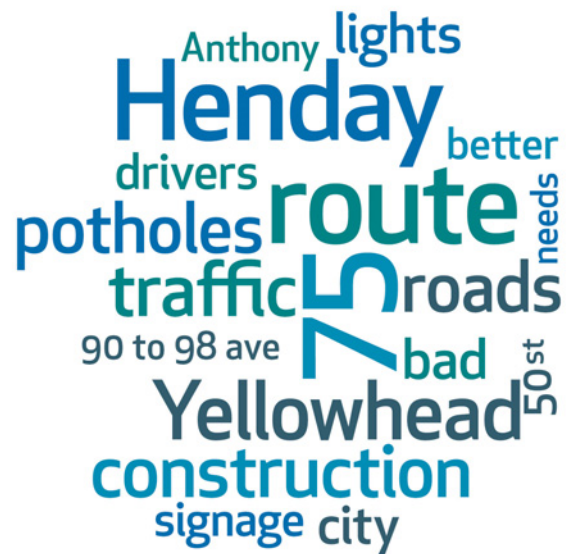
As shown in the figure below, just over a third of trucks reported travelling empty or "dead-heading". Further examination of travel patterns



of the load-carrying trucks indicates full trucks are more likely to have an origin or destination outside of the region as compared to those staying within the city and region.

Driver Feedback

To gauge driver satisfaction with the goods movement network in Edmonton, drivers were invited to provide feedback. The word cloud below provides a quick visual of the most commonly mentioned words by drivers.



The most frequent comments from truck drivers were in relation to improvements to roadway maintenance.

In general, truck drivers reported a high level of overall satisfaction (62%) with Edmonton's truck routes and roadways - much higher than other jurisdictions in Canada and the United States.

For More Information

Edmonton Truck Survey:

www.edmonton.ca/trucksurvey

Edmonton Goods Movement Strategy:

www.edmonton.ca/GoodsMovementStrategy

or call 780-496-1795