

## Evaluating the impact to travel time by Expressways in Sri Lanka Colombo – Katunayake Expressway

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### Abstract

Transportation is one of a vital factor when we consider the infrastructure of a country. At present, there are 3 major expressways, which are already built, and one is still under construction. A hypothesis would be, travel time is a major factor that a traveller would consider when they choose the mode of travel or the route. Even though an expressway allows a user to travel at faster speeds than in a regular highway, the save of time is questionable depending the length of travel. So the objective of this research was to carry out a travel time analysis on Colombo – Katunayake Expressway to identify any travel time saving. In this research, I have used direct observation to collect data. As per the calculations done, it is evident that the expressway is the most convenient road for the passengers to travel either direction without facing any unwanted delay. With the limited data collected for this research, the calculations were done using the percentagewise. When the percentagewise calculation is done, we could see that travelling on the expressway is saving almost 40%-50% of the time than using the A3 road. Travelling on the expressway; On a weekday from K-C will reduce time by 47.3% , On a weekday from C-K will reduce time by 41.1% , On a weekend from K-C will reduce time by 42.2% , On a weekend from C-K will reduce time by 32.2% and also, On a weekday from Colombo to Ja-ela it will reduce time by 56.15% . Therefore, it can be clearly seen that E3 road is an effective successful infrastructure development took place in Sri Lanka because it significantly deduct the time of the people that is wasted to the road. Finally, it can be recommended that for a passenger who needs to travel quickly can use the expressway. So obviously, journey is fast. However, passengers have to pay when using this road. In addition, at the same time, if the passenger is not in a hurry and not willing to pay can use the A3 road.

**Keywords :** Travelling, Colombo – Katunayaka Expressway, Infrastructure

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