

## Post Impact Evaluation of Rajagiriya Flyover

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**Abstract:** The Rajagiriya Flyover is one of the largest Urban Transportation Development Project in 2018 to alleviate the traffic congestion that has made a complicated intersection on Sri Jayewardenepura Road. This road had 86,000 ADT and total of 107,000 vehicular conflicts at the intersection in year 2016. Since the threshold of the traffic conflicts at the intersection has been exceeded, at the level beyond the manageable with the traffic signals, a flyover was proposed and opened for traffic on 8th January 2018. A comprehensive traffic survey has been carried out just after its opening and conducted over a month period to understand the traffic behaviour in and around the flyover intersection. It was observed that, the traffic levels at the main road as Sri Jayewardenepura Mawatha has increased by 45,000 vehicles as the ADT while, the intersection flow by 69,000 vehicles a day. Even though the traffic attraction has been increased, the peak hour congestion has been observed at the flyover due to many unexpected externalities.

It was observed that the project economic outcomes are still very high even though it has not been reached to the forecasted outcomes due to many reasons. This research is to identify such impacts and how, such can be resolved with most economical and practical way to achieve the expected economic benefits from the investment. The actual benefits observed after the flyover is in operation and that of the estimated at the feasibility stage has been compared to see the deficits and impacts. The possible short term to medium term solutions as per the observed traffic flow characteristics are discussed in terms of traffic management measures. The social acceptance of the flyover at the road intersection and the positive and the negative impacts to the business communities are also revealed in a scientific manner.

**Keywords:** Flyover, Main Road Corridor, Road Intersection, Congestion Impacts, Traffic Management

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