

Review Study and Analysis of Rotary Intersection at LIC Square, Yavatmal

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Abstract: *This project involves Study and Analysis of Rotary Intersection at LIC Square Yavatmal for smooth flow of traffic and also to avoid conflicts at the intersection. In recent years, the intense growth of vehicles has caused heavier traffic congestions on the roads and intersections, which are even worse during the peak traffic time. At that intersection which increases the travel time of the vehicles cause delays and also cause more traffic accidents or conflicts. Traffic volume is incrementing at an alarming rate, so it becomes extremely difficult for traffic police to control the traffic manually at the intersections. For proper management of traffic stream at the LIC Square intersection and to reduce the accidents head of collision between vehicles on road. The situation become more intense during the peak hours when increase of traffic volume by 50% than normal traffic. The traffic flow characteristics at rotary intersections are studied to observe the performance of intersection. The capacity of the roadway rotary depends on the flow at different legs approaching the rotary. Aim of project is that to Study and Analysis of Rotary Intersection at LIC square which include site investigation, measurement present geometry of intersection, traffic volume count.*

Keywords: Rotary intersection, Peak hour, Congestion, Traffic volume, Mixed traffic, PCU

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