

# **FEASIBILITY STUDY OF PROVIDING CYCLE TRACK IN EAST ZONE AREA OF VADODARA CITY**

**M Tech Dissertation**

Submitted in  
partial fulfillment of the requirements  
for the degree of

**MASTERS OF TECHNOLOGY**

in

Civil-Transportation Engineering

by

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May 2018

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## **ABSTRACT**

The “last mile” problem is becoming the increasingly serious problem during the process of development of the public transit. Cities in developing countries owning of motor vehicles to increase in population and motor vehicles are facing problems such as congestion, traffic jams, environmental pollution, high cost of travel, more fuel consumption, etc. Last mile problem is increasingly serious problem during the process of development of the public transit. Public transit hardly meets the residents door to door travel demand, which reduced passenger satisfaction. Traditional transit hardly meets the residents’ door to door travel demands, which reduce passenger satisfaction with the public transit. Also issues on carbon emission and energy saving have been taken seriously. The central concept to increasing bicycles for short-distance trips in an urban area as an alternative to motorised public transport or private vehicles, thereby reducing traffic congestion, noise, and air pollution. Targeted at low-income groups the prime reasons for subscriptions were savings in time and money spent over other modes of transport. The main obstacle to boosting the bicycle as a regular mode of transport is safety problem due to mix motorized traffic. One option is to separate cyclists from motorists through exclusive bicycle priority lanes. A questionnaire survey was carried out from public what they want features in the bicycle track. Using that data we can design the bicycle track as per IRC-11 (cycle track design and layouts 2015).

Keyword - cycling, cycle path, safety, separate cycle track, cycle infrastructure