

Executive Summary

The document is a study of a 2km section of I.I. Chundrigar Road in Karachi, from Shaheen Complex (Habib Metro Bank) to the Merewether Clock Tower. I.I Chundrigar Road is an important commercial and financial center in Karachi. The road carries a mix of light vehicles (motorcycles and cars) and heavy vehicles (trucks and buses), with a high volume of the latter due to the area's commercial activity.

The report identifies several factors affecting road safety. The carriageway has a maximum of six lanes. However, encroachments reduce this to three or four functional lanes in some sections. There is no proper lane distribution, and broken footpaths are present. Parking encroachments exist at various commercial places. The road has faded lane markings, a limited amount of traffic signage, and signals only at the starting point (Shaheen Complex). The land use is mixed, with a significant proportion being residential, educational, and commercial.

To address these issues, the report proposes both short-term and long-term solutions. Short-term solutions focus on quick actions to address immediate problems, such as repairing potholes, cracks, and damaged signs. Long-term solutions involve strategies implemented over several years, including redesigning road layouts, using advanced materials and construction techniques, integrating smart technologies, and establishing sustainable funding mechanisms.

The report also includes a road safety audit, detailing road defects. A traffic analysis, including a classified volume count, was conducted. The data was analyzed for morning, afternoon, and evening peak periods. This analysis identifies the congested sections.