

## Executive Summary

S.M Taufiq Road starts from the Liaquatabad Flyover and extends to Teen Hatti Bridge. The road is important due to the presence of industries and significant landmarks. The traffic comprises of light vehicles, such as motorcycles and cars, and heavy vehicles, including trucks and buses. A high number of trucks use this route because of the industrial presence in the area.

The report identifies several factors affecting road safety. The carriageway has a maximum of five lanes, but 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 lacks lane markings, has a limited amount of traffic signage, and no signals. The land use is mixed, with a significant proportion being residential and commercial.

The report proposes both short-term, medium-term and long-term solutions to address these issues. Short-term solutions focus on quick actions to address immediate problems, such as repairing potholes, cracks, and damaged signs. Medium-term solutions involve more comprehensive repairs and upgrades, such as resurfacing worn-out pavement, repairing or reconstructing damaged sections of the road, and upgrading drainage systems. Long-term solutions involve strategies implemented over several years, including redesigning road layouts, using advanced materials, incorporating smart technologies, and establishing long-term funding sources.

The report also identifies critical sites and their solutions, such as Liaquatabad Flyover, Pedestrian Bridge, Daak Khana Intersection, and Lyari Expressway Flyover. A road safety audit details road defect. The road defects are documented, and the report includes a road defect map.

A traffic analysis was conducted, including a classified volume count. The data was analyzed for morning, afternoon, and evening peak periods. The analysis identifies congested sections