

Executive Summary

Sher Shah Suri Road spans approximately 5.6 kilometers, beginning at Nagan Chowrangi and terminating at the Abdul Sattar Edhi Interchange. This corridor serves as a vital arterial route, linking North Karachi to the Central Business District (CBD) via M.A. Jinnah Road. Its strategic importance is further amplified by the operation of the Green Line BRT service and its passage through densely populated residential, commercial, and recreational zones. As a result, the roadway accommodates a highly diverse traffic mix, predominantly comprising motorcycles, cars, and pick-up vans.

A comprehensive assessment of Sher Shah Suri Road was conducted using various data collection methods, including travel time surveys, traffic volume counts, road inventory assessments, and accident data obtained from the Sindh Traffic Police and RTIPC. Traffic counts at three key locations—Hyderi Station, Five Star Chowrangi, and Erum Shopping Mall—identified Hyderi Station as having the highest vehicle volumes. Travel time surveys recorded an average free-flow duration of 7 minutes, which doubled to approximately 14 minutes during actual traffic conditions in both directions.

The assessment revealed several critical infrastructure and safety concerns. These include potholes, uneven manholes, rutting, ditches, and two exposed stormwater drains (nalas) located between Nagan Chowrangi and Erum Shopping Mall, and near KDA Roundabout. Both nalas lack adequate protective barriers, posing serious safety risks. Furthermore, the carriageway near Nagan Chowrangi BRT Station is significantly constricted due to the misaligned pedestrian bridge and a non-functional service road, impeding normal traffic flow. Encroachments and on-street parking, particularly near Sakhi Hassan Road, and the NADRA Mega Centre, further exacerbate congestion.

To address these challenges, a series of targeted and coordinated interventions are recommended. Immediate resurfacing and structural repairs are required to rectify existing road surface defects, followed by routine maintenance to ensure long-term resilience. Municipal authorities should implement bi-weekly sweeping to remove accumulated sand and debris, especially near Five Star Chowrangi. The open nalas must be secured through proper covering or fencing, and damaged retaining walls should be reconstructed. Improvements near the Nagan Chowrangi BRT Station should include realigning the pedestrian bridge access, rehabilitating the service road, and redesigning the median to optimize lane utilization.

Additionally, illegal encroachments must be removed in collaboration with municipal and law enforcement agencies, with provisions for alternative vending zones to support affected vendors. These measures, if executed in a phased and monitored manner, will significantly enhance the safety, capacity, and overall functionality of Sher Shah Suri Road.