

ABSTRACT

Road infrastructure is a backbone of any country's economy. A good quality road not only provide comfortable ride but also accounts for safety and reduce congestion. A standard way of assessment of road quality is to measure its pavement condition index. Deflection testing of pavement is also a way to detect its structural integrity.

The presented study discusses the findings of pavement condition of highways in the jurisdiction of Federal B Area Town, Karachi. Deflection on the pavement was measured using Benkelman beam and usual surveys were performed to find the condition index of road. A software micro paver is used to calculate PCI value. A GIS map showing pavement deflection and PCI was also created to present the pictorial way of road conditions.

It was found that majority of road measured in the area have a very good pavement condition index and have adequate structure capacity.