

MOST SIGNIFICANT CAUSES OF TRAFFIC CONGESTION IN PORT HARCOURT METROPOLIS, NIGERIA

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ABSTRACT

There is a growing concern about vehicular traffic congestion in Port-Harcourt metropolis. This necessitated the need to investigate the most significant causes of vehicular traffic congestion in the metropolis with measures for mitigation. In examining the most significant causes of congestion in Port Harcourt metropolis, the city was zoned into 13 study area by using land-use activity centers. 2601 questionnaires were administered which represents 0-24% of the population. 78 commuters were interviewed whilst vehicular traffic counts were conducted at 13 locations for the period of 6am-6pm from Monday – Sunday. Information about the causes of traffic of congestion was obtained from the questionnaires, field observations, measurements and commuters' interviews. Pie and bar charts were used to display graphically the variation in vehicular density and congestion in the affected areas. The multiple linear regressions in ANOVA SPSS were used to determine and rank the most significant causes of vehicular traffic congestion in the metropolis. This is to enable the State government prioritize its congestion reducing interventions.

Keywords: Causes; Most; Significant; Urban; Traffic.