

Use of Equipment for Collecting and Processing Data in Intelligent Transportation Systems to Improve Traffic Indicators

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Abstract—Development of urban traffic, travel highlights three significant phases: daily commute to and from jobs, afternoon trips to different areas of commercial or cultural interest, periods of "weekend". These three phases can show great variety in structure and intensity of urban traffic, the composition of the car which has an important role, with great quality to ensure maximum comfort of travel. In our country, due to rapid motorization process is required for infrastructure development and upgrading of the existing road. Urban and rural population mobility are directly affected. In this paper we propose to present the evolution calculation the average number of vehicles per hour in Bucharest, one of the most important routes crossing the city from north to south, namely the axis- University Square, Victoria Square. We present graphs with the average number of cars / hour over 24 hours every day of the week 20-24.06.2011 compared with the same in 2008 (23 to 27. 06.2008). Owing to equipment traffic on this area, we see an increase in the average number of vehicles passing through the above mentioned axis so by comparing the values in each hour in 2009 compared to those of 2008 and by comparing mean values in the range 7-19.