

Effectiveness of ATMS (Advanced Transport Management Systems) in Asuncion, Paraguay

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Abstract : The advanced traffic lights, the system of traffic information collection and provision, the CCTVs for traffic control, and the traffic information center were installed in Asuncion, capital of Paraguay. After pre-post comparison of the installation, significant changes were found. Even though the traffic volumes were increased, travel speed was higher, so that travel time from origin to destination was decreased. the saving values for travel time, gas cost, and environmental cost are about 47 million US dollars per year. Satisfaction survey results for the installation were presented with statistical significance analysis.

Keywords : advanced transport management systems, effectiveness, Paraguay, traffic lights

Conference Title : ICCESE 2016 : International Conference on Civil, Environmental and Structural Engineering

Conference Location : Barcelona, Spain

Conference Dates : February 15-16, 2016