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INTELLIGENT SYSTEM FOR ROAD TRAFFIC MANAGEMENT BASED ON WEATHER ANALYSIS

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Abstract. This paper presents an intelligent system for the road traffic management based on weather reports analysis. A management system for road infrastructure includes the system that processes the data from weather reports, the maintenance technologies according to the seasons (winter/summer) and the coordination of specific actions.

Keywords: intelligent system, weather sensors, road traffic forecast, firmware, Atmel ATmega128 microcontroller.