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NEWS RELEASE

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FOR IMMEDIATE RELEASE

Image Sensing Systems Supplies RTMS G4 for New York City Traffic Control

Saint Paul, Minn., November 18, 2009-- Image Sensing Systems, Inc. (NASDAQ: ISNS), world leading developer of Intelligent Transportation Systems (ITS) computer-enabled detection and traffic control technology, announced today that they have supplied the City of New York (NYC) the latest generation RTMS[®] G4[™] radar units for mid-block detection for close to 200 intersections in four different boroughs of the city as a part of the TOPICS IV project. The project is an expansion of a strategic program of NYC Department of Transportation to coordinate traffic control in several boroughs using centralized computer control and thereby improve traffic flow across the city.

Mohamad Talas, Deputy Director of System Engineering for NYC Department of Transportation said, "Rigorous procedures were put in place to ensure the most applicable detector technology matching our deployment criteria was selected." New York City's TOPICS IV project consists of many aspects including mid-block detection where high quality and reliable data is a major requirement.

The RTMS G4 is the only radar sensor with innovative "All-in-One" concept requiring no cabinet integration for interface, coverage of 12 lanes, minimal power requirement and is available with the widely accepted NTCIP standard communications protocol. RTMS G4 is also available with a Bluetooth option that allows technicians drive-up laptop access for setup and control. These features have made RTMS G4 a preferred solution worldwide to enhance transportation infrastructure.

About Image Sensing

Image Sensing Systems, Inc. is a technology company focused in infrastructure productivity improvement through the development of software-based detection solutions for the Intelligent Transportation Systems (ITS) sector and adjacent overlapping markets. ISS' industry leading

computer-enabled detection (CED) products, including the Autoscope® machine-vision family and the RTMS® radar family, combine embedded software signal processing with sophisticated sensing technologies for use in transportation, environmental and safety/surveillance management. CED is a group of technologies in which software, rather than humans, examines the outputs of complex sensors to determine what is happening in the field of view in real-time. With more than 100,000 instances sold in over 60 countries worldwide, our depth of experience coupled with breadth of product portfolio uniquely positions us to provide powerful hybrid technology solutions and to exploit the convergence of the traffic, security and environmental management markets. We are headquartered in St. Paul, Minnesota. Visit us on the web at imagesensing.com.

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