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NEWS RELEASE

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FOR IMMEDIATE RELEASE

IMAGE SENSING SYSTEMS NEW COMBINED WIRELESS VIDEO AND DATA SYSTEM SELECTED BY LOS ANGELES, CALIFORNIA DEPARTMENT OF TRANSPORTATION

City's First Full-Motion-Video Wireless System for Traffic Monitoring and Control

SAINT PAUL, Minn.-October 22, 2001 - Image Sensing Systems, Inc. (ISS) (Nasdaq SmallCap: ISNS) announced today that the Department of Transportation for the City of Los Angeles, California has installed its Combined Wireless Video and Data Transmission System (CWVDS) in San Pedro, California. The latest addition to Image Sensing Systems' line of wireless video and data transmission systems for the traffic industry, CWVDS provides video transmission at 5.8 GHz and transmits and receives data at 2.4GHz allowing for real-time color video and the ability to transmit data from a video detection system or the control of pan, tilt and zoom cameras.

The City of Los Angeles Department of Transportation (LADOT) is using the ISS Combined Wireless System in conjunction with its existing fiber optic network to enhance traffic flow and support traffic management activity. Video is transmitted wirelessly to a hub in San Pedro and then transmitted by fiber to the Traffic Management Center in downtown Los Angeles. The 2.4 GHz portion of the system is used to control a pan, tilt and zoom camera.

"Wireless transmission is ultimately where traffic monitoring and control is headed," said An Nguyen, P.E., Transportation Engineering Associate for LADOT. "We tested other systems, but the performance didn't compare to Image Sensing Systems." The ISS system is the first wireless video transmission system installed by the City of Los Angeles, and LADOT plans to install more ISS units at various locations.

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"What the City of Los Angeles is doing with our combination system is a great example of the flexibility of wireless. It's great for standalone use or as an add-on to an existing network, and it is more cost effective than traditional cable installation," said ISS Vice President, Dr. Bill Sowell. "We look forward to assisting LADOT in future projects."

Designed for standalone use or with existing fiber-optic cable or twisted pair private line metallic networks, ISS Wireless Traffic Systems provide high-resolution, real-time video and data for long or short range transmissions and work in conjunction with transportation systems, surveillance cameras, variable message signs and traffic control devices. CWVDS features 130 field-selectable operating frequencies and a transmission range of up to 20 miles that may be repeated up to four times for a total maximum range of 80 miles, and the system transmits up to 1,000 lines of broadcast-quality resolution, with real-time 30-frames-per-second color video.

Based in Saint Paul, Minnesota, Image Sensing Systems, Inc. is the world leader in products applying video imaging technology for implementation in advanced traffic management systems (ATMS), freeway incident detection and traffic data collection to help reduce traffic congestion and improve roadway planning. The company also offers a suite of products that provide wireless transmission of video, data and audio in a variety of markets. The Company's cornerstone Autoscope® products provide traffic managers the means to reduce roadway congestion, improve roadway planning and increase cost efficiencies. Econolite Control Products, Inc., based in Anaheim, California, has been the exclusive distributor of Autoscope products throughout North America since 1991. Image Sensing Systems, Inc. and Econolite Control Products, Inc. are particularly suited to provide technical solutions to the emerging intelligent transportation systems and security markets worldwide.

Safe Harbor Statement under the Private Securities Litigation Reform Act of 1995: This report contains "forward-looking statements" made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. There are certain factors that could cause results to differ materially from those anticipated by some of the statements made, as listed in the Company's 2001 Annual Form 10-KSB.

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