

Wireless Paves the Way for Cost-Effective Intelligent Transportation Systems (ITS)



How can you cost-effectively deploy ITS to reduce commute times and decrease pollution?

And how can you roll these systems out today?

Wireless Removes the Barriers

Systems Integrated's SI-4043 Wireless Intersection Communication System for ITS applications provides reliable high-speed communications between multiple intersection controllers and a traffic management center. With Proxim Wireless' world-class, high performance wireless technology, we can quickly and cost-effectively connect thousands of intersections via secure wireless links – all at a fraction of the cost and time required by wired solutions.



SI-4043 Wireless Intersection Communication System

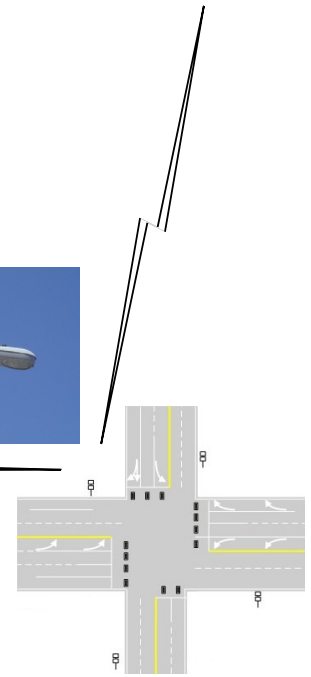
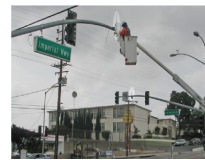
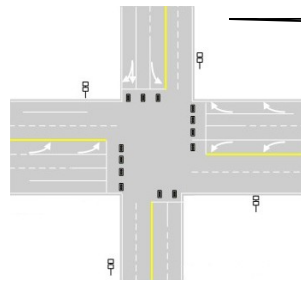
Systems Integrated's SI-4043 Wireless Intersection Communication System (WICS) for Intelligent Traffic Systems (ITS) applications provides a cost-effective method of providing reliable high-speed communications between multiple intersection controllers and a traffic management center. The SI-4043 consists of a Proxim Wireless Base Station Unit Radio (BSUR) and Subscriber Unit Radio's (SUR) configured along traffic corridors to link intersection equipment such as traffic controllers and video systems to a centralized control center. The SI-4043 system creates a network of remote communication links between hundreds of intersections through secure microwave

TRAFFIC MANAGEMENT CENTER



The SI-4043 WICS is designed to support communications with serial and TCP/IP based devices at bandwidths up to 27 Mbps, full-duplex. Installation of the SI-4043 kit uses existing wireways and conduits without modifications to signal poles or light standards. Typical installations can be accomplished in 1 day. The SI-4043 WCS kit includes everything to establish communications between intersection equipment and the traffic management center directly or through adjacent intersections. Deploying a SI-4043 based communication system for ITS can be as little as 10% of the traditional copper or

Contact Systems Integrated today to learn more about a wireless based system for your intersection communication needs. E-mail sales@systemsintegrated.com.



RADIO & PERFORMANCE SPECS

- Frequency Bands: 2.3—2.5 GHz, 4.9—6.0 GHz
- Channel Sizes: 40MHz, 20MHz, 10MHz & 5MHz
- Modulation: OFDM with BPSK, QPSK, QAM16, QAM64
- Data Rate: 6Mbps—54Mbps

SUPPORTED TRAFFIC CONTROLLERS & APPURTANCES

(*Any controller or device with serial, Ethernet, copper, fiber or a wireless interface is supported).

- Econolite
- Eagle
- Naztec
- McCain
- Siemens

PACKAGE CONTENTS

- Base Unit Ethernet Radio
- Subscriber Unit Ethernet Radio
- 13dBi Sector Antenna Kit
- 9 dBi Omni-Directional Antenna Kit
- Serial and Ethernet Communication kits
- Base Unit Ethernet Radio
- Subscriber Unit Ethernet Radio
- 13dBi Sector Antenna Kit
- 9 dBi Omni-Directional Antenna Kit
- Intersection Power Interface Kit

WARRANTY

1-year on parts and labor; Extended support available



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