

IRD Dynamic Work-Zone Safety System

MANUFACTURER AND VENDOR INFORMATION

Effective Date: March 22, 2000

Manufacturer name: International Road
Dynamics, Inc.

Sales representative name(s): Rod Klashinsky

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PRODUCT NAME/MODEL NUMBER: IRD Dynamic Work-Zone Safety System

FIRMWARE VERSION/CHIP NO.: NA

SOFTWARE VERSION NO.: NA

GENERAL DESCRIPTION OF EQUIPMENT: The IRD Work-Zone Safety System is a traffic control system for construction work zones. The system utilizes traffic detection sensors to detect traffic queue length and reduce the number of vehicles in the passing lane prior to work-zone approaches.

SENSOR TECHNOLOGY AND CONFIGURATION: The IRD Dynamic work-Zone Safety System utilizes traffic sensors to detect vehicles and activate flashing lights mounted on "DO NOT PASS" panel signs prior to construction zones. Alternately, CMS or VMS signs can be used.

SENSOR INSTALLATION: Sensors are mounted on roadside panel message signs.

INSTALLATION TIME (Per Lane): The system can typically be installed in 4-5 days.

INSTALLATION REQUIREMENTS: Please see attached product information for details.

MAXIMUM NUMBER OF LANES MONITORED SIMULTANEOUSLY: Only one lane is required to be monitored for this application.

PRODUCT CAPABILITIES/FUNCTIONS: Detection of vehicles prior to a work-zone to trigger flashing lights mounted on roadway panel signs to instruct vehicles to merge into one lane. Since the signs are regulatory signs, offences are enforceable by law.

RECOMMENDED APPLICATIONS: Detection of vehicles prior to a work-zone to trigger flashing lights mounted on roadway panel signs.

POWER REQUIREMENTS (watts/amps): 12-24 AC or DC

POWER OPTIONS: AC, DC, or solar.

CLASSIFICATION ALGORITHMS: NA

TELEMETRY: NA

COMPUTER REQUIREMENTS: Laptop may be used to access information using serial communications software such as HyperTerminal.

DATA OUTPUT: Serial or contact Closure.

DATA OUTPUT FORMATS: ASCII

SUPPORTING DATA BASE MANAGEMENT SYSTEM: NA

EQUIPMENT AND INSTALLATION COSTS (One-lane and four-lane):

Approximately \$ 60,000 US depending on the requirements (trailer and sign costs not included).

STATES CURRENTLY USING THIS EQUIPMENT:

Country/State

USA/Indiana (IN DOT)

Contact name

Dan Shamo

Telephone number

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