Intelligent Work Zone Systems Overview

APPLICATIONS
• Work zone areas with possible congestion / stopped traffic.
• Emergencies/Incidents
• Special Events

PURPOSES
• Increase safety and mobility for road users and workers
• Improve project design and operations via collected data
• Monitor, Respond & Control situation

UNIQUE BENEFITS
• Portable: Solar Powered and Trailer-Mounted
• Automated: Networked and Online
• Real-time: Constant Data Stream

CONFIGURATIONS
• Traffic Information and Prediction System (TIPS) (Evaluated & Published)
• Advanced Speed Information System (ASIS)
• Congestion Monitoring and Advisory System (CMAS)
• Dynamic Late Merge System (DLMS)

INPUTS
• Microwave Sensors
• Bluetooth
• Cameras

THROUGHPUTS
• Wireless Modems
• User Interfaces
• Software
• Central Servers

OUTPUT CHANNELS
• Portable Changeable Message Boards
• Your Laptop/iPad (provided)
• Websites, Email, Texts, Smartphone App, Twitter...
• Radio
• .xml feeds (for TMC, etc.)

OUTPUT DATA
• Travel Times, Speeds, Delays
• Alternate Routes, Warnings, & Advisories
• Still Images, Videos
• Data Archiving
• Research

COST
• Averages .5%-1% of construction budget, depending on system size and complexity.