What is a Smart Work Zone System?

A Smart Work Zone is a various combination of radar vehicle detectors, Bluetooth detectors, digital message boards, and CCTV cameras to inform the traveling public of travel times and conditions in real time.
Bluetooth Travel Times

How Does A SWZ Work?

- Most systems are set up for 60 second polling.
- Queue detectors are usually set at ½ mile increments for the best real time data collection.
- Each sensor is polled for speed, volume, density, and classification.
- The data collected determines which message set to post.
- "Real Time" traffic conditions are then reported to the message boards, the project website, the 511 page, DOT personnel, the TMC and anyone that has access to the system.

Secure User Web Access

Multiple Projects - Single Access Point

View All Field Devices At Once

Real Time Video
Current Speeds Lane By Lane

Scheduling/Overriding Of Messages

View Device Voltage / Modem RSSI / Check In

View All Current Messages

View All Current Cameras W/ A Video Wall

Historical Speed, Volume And Density Reporting Features

Smarter Work Zones
Benefits Of A SWZ

- Reduce the amount of rear end collisions and secondary crashes.
- Gets traffic information to the traveling public immediately.
- Congestion alerts can be sent to Traffic and TSMO engineers allowing them to override system messages if necessary.
- Data gathered enables forecasting/adjustments to traffic control plans.
- Safer work zone for workers and the traveling public.

WHAT QUESTIONS SHOULD I ASK?

- What are the anticipated job specific issues that will occur?
- What message do I want displayed based on traffic conditions?
- Do I want a condition or travel time based message set?
- Are there locations not conducive to equipment?
- Are there phases that will require device relocation?
- Do I need video coverage of my project?
- Can we utilize the existing permanent ITS devices within the project?

Thank you for your time today!

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