

# Smart Work Zone

The use of technology to monitor and control work zone operations. This strategy is implemented on roadways where construction or repair work is being done.



## HOW WILL THIS HELP?

- ✔ Smart work zone strategies improve safety, particularly for roadway workers, by reducing incidents in and around work zones.
- ✔ Improve mobility by providing real-time information on work zone conditions to travelers so they can drive accordingly or choose a different route.
- ✔ Diversions to alternate routes can reduce travel delays and improve travel time reliability near work zones.

## HOW DOES IT WORK?

- ✔ Transportation professionals devise a smart work zone plan and then implement it.
- ✔ Implementation tools include devices to monitor and manage traffic conditions near the work zone such as dynamic message signs, CCTV cameras, and variable speed limit signs

## TRANSPORTATION NEEDS ADDRESSED

- Travel Times
- Environmental Impact
- Safety
- Mobility
- Reliability

## COST MAGNITUDE



## WHEN TO CONSIDER THIS STRATEGY

- ✔ MAJOR CONSTRUCTION PROJECTS WITH ANTICIPATED IMPACTS TO THE TRAVELING PUBLIC
- PROJECTS WITH CONSTRUCTION VEHICLES TO ENTER OR EXIT THE TRAVELING LANES

## COMPLIMENTARY STRATEGIES

- ✔ TRAVEL TIMES
- ✔ ENVIRONMENTAL IMPACT
- ✔ SAFETY
- ✔ MOBILITY
- ✔ RELIABILITY
- ✔ WORK ZONES

## CONSIDERATIONS

- + THE SPECIFIC TYPE OF SMART WORK ZONE IS DEPENDENT ON THE SURROUNDING ROADWAY NETWORK, CONSTRUCTION VEHICLE ACCESS TO AND FROM THE WORK ZONE, AND CONSTRUCTION PHASING.
- + POTENTIAL TO INTEGRATE WORK ZONE SYSTEM INTO EXISTING ITS SYSTEM.