

Safety Countermeasures

Signal timing adjustments, sight distance improvements, lighting enhancements, automated enforcement, red light cameras, speed limit adjustments, and others.



TRANSPORTATION NEEDS ADDRESSED

- Safety
- Incident Response
- Work Zones
- Multimodality
- Economic Development

COST MAGNITUDE

CAPITAL COST

OPERATION AND MAINTENANCE COST

HOW WILL THIS HELP?

- Improve safety.
- Countermeasures can improve mobility by reducing the incidence of crashes.

HOW DOES IT WORK?

- Transportation and safety engineers need to work together to evaluate the safety conditions of the roadway system and achieve solutions to improve safety for all users.

WHEN TO CONSIDER THIS STRATEGY

- ROADWAYS OR INTERSECTIONS WITH HIGH CRASH RATES
- ROADWAYS OR INTERSECTIONS WITH HIGH INJURY AND FATALITY RATES

COMPLIMENTARY STRATEGIES

- QUEUE WARNING
- CONNECTED AND AUTOMATED VEHICLE TECHNOLOGY
- TRUCK RESTRICTIONS
- BIKE FACILITIES
- PEDESTRIAN FACILITIES
- INCIDENT MANAGEMENT
- TRAFFIC SURVEILLANCE
- ALTERNATIVE INTERSECTIONS
- CHANNELIZATION & DELINEATION
- MINOR ROADWAY IMPROVEMENTS
- PAVEMENT MARKINGS
- ROAD DIETS
- SIGNING
- TRAFFIC CALMING
- SMART SIGNALS
- TRAFFIC SIGNAL COORDINATION
- HOMELAND SECURITY PREPAREDNESS
- ROADWAY WEATHER MANAGEMENT
- TRAVELER INFORMATION
- SMART WORK ZONE
- WORK ZONE MANAGEMENT

CONSIDERATIONS

+ SAFETY COUNTERMEASURES CAN OFTEN ADDRESS IMPROVEMENTS REQUESTED BY LOCAL RESIDENTS.