

Bus on Shoulder

Improve mobility by allowing public transit buses to bypass congestion by using roadway shoulders.



TRANSPORTATION NEEDS ADDRESSED



HOW WILL THIS HELP?

- ✓ Improves mobility by improving bus travel time and reliability
- ✓ Potential to increase transit ridership with improved travel times.
- ✓ Alleviates congestion around planned special events.

HOW DOES IT WORK?

- ✓ Allowing public transit buses to use roadway shoulders to bypass congestion
- ✓ Implemented on expressways, freeways, and arterial roadways.
- ✓ Agencies collaborate to establish guidance on when buses can use roadway shoulders.
- ✓ Pavement markings and signage to inform roadway users when buses are permitted to drive on the shoulder. Colored pavement can also be used to highlight bus on shoulder operations.

COST MAGNITUDE



WHEN TO CONSIDER THIS STRATEGY

- ✓ FREEWAY OR EXPRESSWAY CORRIDORS WITH RECURRING CONGESTION
- ✓ CORRIDORS WITH HIGH TRANSIT USE
- ✓ BUS ROUTES WITH INSUFFICIENT TRAVEL TIMES OR RELIABILITY

COMPLIMENTARY STRATEGIES

- ✓ HARD SHOULDER RUNNING
- ✓ ACCESS MANAGEMENT
- ✓ TRANSIT PRIORITY
- ✓ INTEGRATED CORRIDOR MANAGEMENT
- ✓ TRAFFIC SURVEILLANCE

CONSIDERATIONS

- + DESIGN EXCEPTIONS FOR GEOMETRIC STANDARDS, INCLUDING LANE WIDTH, VERTICAL AND LATERAL CLEARANCE, AND STOPPING SIGHT DISTANCE MAY BE REQUIRED.
- + CONSIDER SITE-SPECIFIC CRITERIA WHEN DESIGNING FOR SAFE CROSSING OF INTERSECTIONS AND RAMP AT INTERCHANGES.
- + ACCOUNT FOR SPEED DIFFERENTIALS BETWEEN BUS SHOULDER LANE AND GENERAL-PURPOSE LANE.
- + CONSIDER CCTV COVERAGE TO MAKE SURE LANES ARE CLEAR OF VEHICLES AND DEBRIS.
- + REQUIREMENTS FOR TRAFFIC BEARING SHOULDERS.