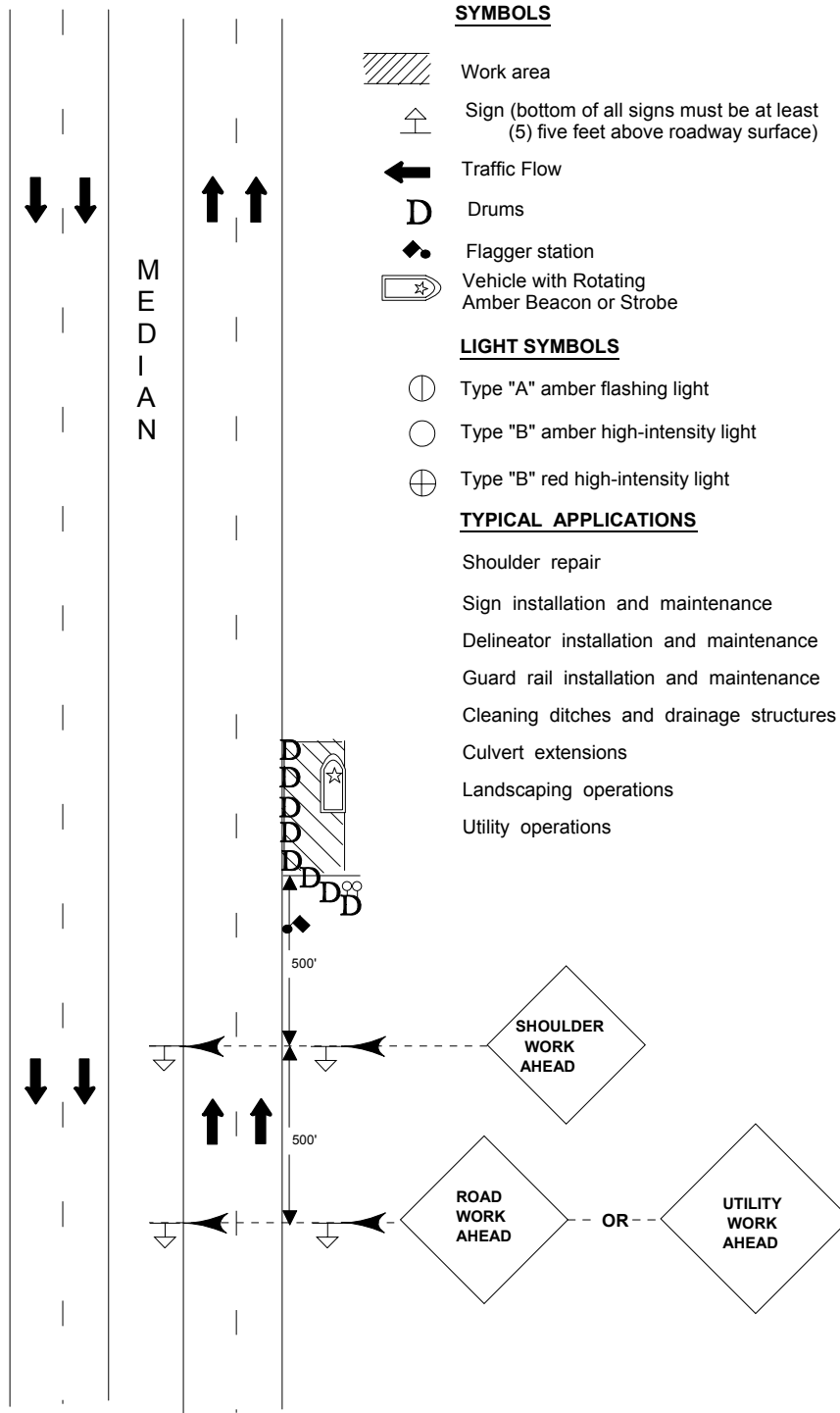


**STANDARD DESIGN**  
**TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR**  
**HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS**  
**CASE 14**  
**MULTILANE, DIVIDED, DAY OR NIGHT OPERATIONS - SHOULDER CLOSED**



## CASE 14

### MULTILANE, DIVIDED, DAY OR NIGHT OPERATIONS - SHOULDER CLOSURE

Where, at any time, equipment, workers or their activities will encroach in the area closer than six (6) feet, but not closer than the edge of the roadway or pavement.

#### General Notes

1. All vehicles, equipment, workers (except FLAGGER) and their activities are restricted at all times to one side of the pavement, unless otherwise authorized by the Traffic Engineer.
2. If the work operation requires that four (4) or more vehicles enter the through traffic lanes in a one (1) hour period, a FLAGGER shall be provided and the FLAGGER AHEAD sign shall be substituted for the SHOULDER WORK sign.
3. If the work operation does not exceed one (1) hour, traffic control will be in conformance with Case 7-C.
4. WORKERS or FLAGGER AHEAD signs are to be removed when no work is being performed and replaced with proper advance warning signs. Any unattended obstacle or excavation in the work area shall be protected by Drums.
5. A minimum of two (2) AMBER, TYPE B flashing warning lights shall be used at night in advance of the work area. One (1) amber flashing light shall be installed above each of the first two (2) advance warning signs in the series.
6. This case also applies to work performed in the median area.
7. This case also applies when work is being performed on a multilane undivided highway. Under these conditions, the signs normally mounted in the median shall be omitted.
8. All signs are to be removed at completion of the day's operations, if there are no hazards adjacent to the travelway.
9. Utility companies may work on utility crossings on fully access controlled freeway under emergency conditions only.
10. Longitudinal dimensions may be adjusted slightly to fit field conditions.
11. All vehicles in a work area shall display flashing lights installed for the purpose of warning approaching drivers of a vehicular traffic hazard requiring unusual care in approaching, overtaking, or passing.
12. This is the minimum requirement for the condition set forth. The Traffic Engineer may require additional traffic control devices as deemed necessary.
13. Cones may be used in lieu of drums during daylight operations. Reflectorized cones may be used in lieu of drums for a single night operation (emergency work) that is continuously manned.