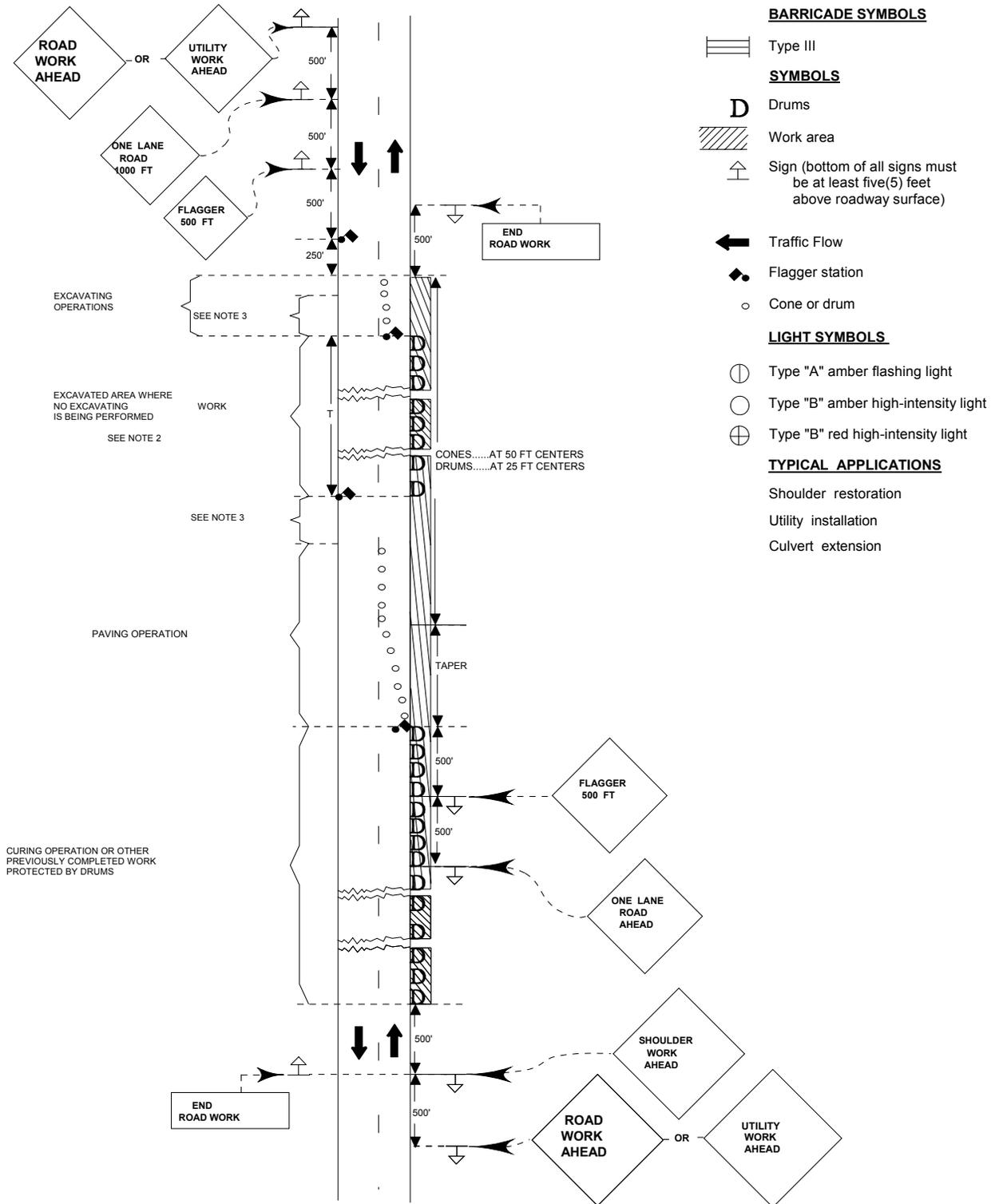


**STANDARD DESIGN
TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR
HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS**

**CASE 11
TWO-LANE, TWO-WAY TRAFFIC, WIDENING OF PAVEMENT
DAY OR NIGHT OPERATIONS**



CASE 11

TWO-LANE, TWO-WAY TRAFFIC, WIDENING OF PAVEMENT, DAY OR NIGHT OPERATIONS

Where, at any time, any vehicle, equipment, workers or their activities will encroach on the roadway or pavement during pavement widening operations.

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 Engineer.
2. Where (T) distance exceeds 1,500 feet, additional ONE LANE ROAD 1,000 FEET and FLAGGER 500 FEET signs shall be installed. The cones or drums shall be removed through the (T) area, and an additional taper shall be formed by cones or drums in advance of the area where work is being performed. Additional flagger will be required and the excavated area shall be protected by Drums at 50 foot centers.
3. Minimum distance is 50 feet. When (T) exceeds 1,500 feet, the minimum distance shall be 100 feet.
4. No paving or excavating operations shall be performed at night, unless authorized by the Engineer. When these operations are suspended, all vehicles and equipment, including traffic control and protective devices, shall be removed from the pavement and the excavated area shall be protected by Drums at 50 foot centers. The ONE LANE ROAD 1000 FEET and FLAGGER 500 FEET sign as shown shall be removed.
5. Construction, maintenance, or utility operations shall be confined to one traffic lane, leaving the opposite lane open to traffic. At least 500 feet of both traffic lanes shall be available for traffic movements at intervals not greater than 1,000 feet. A complete traffic control plan must be approved for any project expected to exceed 1,000 feet in length, including both taper and work areas.
6. The flaggers shall be in sight of each other or in communications at all times.
7. All signs shall be post mounted if the closure time exceeds four (4) days, unless otherwise authorized by the Engineer.
8. A minimum of two (2) AMBER, TYPE B, high-intensity flashing warning lights shall be used at night in advance of the work area. One amber flashing light shall be installed above each of the first two (2) advance warning signs in the series.
9. Longitudinal dimensions may be adjusted slightly to fit field conditions.
10. When a side road intersects the highway on which work is being performed, additional traffic control devices shall be erected as directed by the Engineer.
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 substituted for Drums during day operations.