



BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
PROTECTIVE VEHICLE WITH TMA ROLL AHEAD DISTANCE										
TYPICAL PROTECTIVE VEHICLE TYPE WITH TMA	TYPICAL PROTECTIVE VEHICLE (WITH TMA) LOADED WEIGHT (LBS)						STATIONARY OPERATION (feet)			
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)						30 MIN. 100 MAX.			
ROLL AHEAD STOPPING DISTANCE ASSUMES DRY PAVEMENT										
⚠ A PROTECTIVE VEHICLE IS RECOMMENDED REGARDLESS IF A TMA IS AVAILABLE. IF NO TMA IS USED, THE PROTECTIVE VEHICLE SHALL BE STRATEGICALLY LOCATED IN THE FIELD TO SHIELD WORKERS AND NO ROLL AHEAD DISTANCE IS SPECIFIED. REFER TO CHAPTER 15.5 FOR ADDITIONAL INFORMATION										

CHANNELIZING DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

SIGN SPACING = X (feet)		
Rural Highways	60/65 MPH	800'+
Rural Roads	45/55 MPH	500'+
Rural Roads & Urban Arterials	35/40 MPH	350'+
Rural Roads, Urban Streets Residential & Business Districts	25/30 MPH	200'+
Urban Streets	25 MPH or LESS	100'+

ALL SIGNS ARE 48" x 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.

**GENERAL NOTES**

1. EXTEND TAPER ACROSS SHOULDER.
2. PROTECTIVE VEHICLE RECOMMENDED - MAY BE A WORK VEHICLE.
3. SIGN SEQUENCE IS THE SAME FOR BOTH DIRECTIONS OF TRAVEL.
4. THE MAXIMUM LENGTH OF WORK AREA CONTROLLED BY ONE-WAY TRAFFIC SIGNAL IS 1500 FT. SIGNAL TIMING SHALL BE ESTABLISHED BY QUALIFIED PERSONNEL.
5. INSTALL NO PASSING STRIPE IF NOT ALREADY IN PLACE.
6. REFER TO STD. SPEC. 1-10.3(3)K AND 9-35.14 FOR ADDITIONAL INFORMATION.
7. POST MOUNT SIGNS FOR LOCATIONS IN PLACE LONGER THAN 3 DAYS.

THIS PLAN MAY NEED TO BE ADJUSTED TO FIT SITE CONDITIONS. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PART VI OR CONTACT THE REGION TRAFFIC ENGINEER FOR SPECIFIC QUESTIONS.

**TYPICAL ALTERNATING ONE-WAY TRAFFIC TEMPORARY PORTABLE SIGNAL CONTROLLED TCD 11**

**LEGEND**

- ⊠ SIGN LOCATION
- □ □ CHANNELIZING DEVICES
- 🚚 PROTECTIVE VEHICLE - RECOMMENDED
- 🚦 PORTABLE SIGNAL
- ⊞ TYPE "B" WARNING LIGHT