D-704-34A TRAFFIC CONTROL SYSTEM LANE SHIFT BETWEEN A LANE CLOSURE AND AN OPPOSITE LANE CLOSURE Tubular Markers spaced at "S" center to center Standard lane closure Standard lane closure L,G 100' Buffer space (see table below) Work area Drums spaced at "S" center to center QUANTITIES TYPE III BARRICADES 2 Each DELINEATOR DRUMS 13 Each TUBULAR MARKERS 13 Each RAISED PAVEMENT MARKERS (White) Varies OBLITERATION OF PAVEMENT MARKING Varies Post Mounted Work area Type III barricade Tublar markers LEGEND E Obliteration of pavement marking (10' line, 30' skip centerline) G Raised pavement markers (white) 5' ctrs. Notes Variables S = Numerical value of posted speed limit, off-peak 85th percentile speed prior to work starting, or the anticipated operating speed in mph. W = Width of offset in feet. L = Taper length in feet. Speeds 40 mph or less L=WS² /60. Speeds 45 mph or greater L= WS. Place signs and barricade on roadway on moveable assemblies. Cover existing speed limit signs within reduced speed zones. Upon approval, the Engineer will measure obliterated or covered pavement marking as Obliteration of Pavement Marking. As an option, use portable sign supports in lieu of post mounted sign in accordance with NDDOT Standard Drawing D-704-14. Place "Minimum Fee \$150" signs below speed limit signs when placing traffic control devices to reduce speed. Longitudinal Buffer Space When duration of work is 14 days or less, obliteration of pavement marking (10' line, 30' skip, centerline) and raised pavement markers are not required. *Speed Length (mph) Min (feet) 20 25 115 155 NORTH DAKOTA 30 200 DEPARTMENT OF TRANSPORTATION 250 ADVANCE WARNING SIGN SPACING 10-26-2012 40 305 Distance Between Signs 45 50 REVISIONS Min. (ft) Road Type 425 A B C 150 150 150 280 280 280 360 360 360 720 720 720 CHANGE 09-27-17 Updated to active volce 55 495 Urban - Low Speed (30 mph or less) Clarified work zone Electronic Stamp/Signature Legislative Changes PROFESSIONAL 11-01-19 Urban - Low Speed (over 30 to 40 mph) Urban - High Speed (over 40 mph to 50 mph) 570 08-02-24 06-30-25 PE-4683 65 645 06/30/25 Rural - High Speed (over 50 mph to 65 mph) 70 730 Urban Expressway and Freeway (55 mph to 60 mph) Rural Expressway and Freeway 75 820 850 1350 2200 80 910

* Posted speed, off-peak 85th percentile speed prior to work starting, or the

anticipated operating speed in mph.

(70 mph to 80 mph)
Interstate/4-Lane Divided

(Maintenance and Surveying)

1000 1500 2640

750 1000 1500