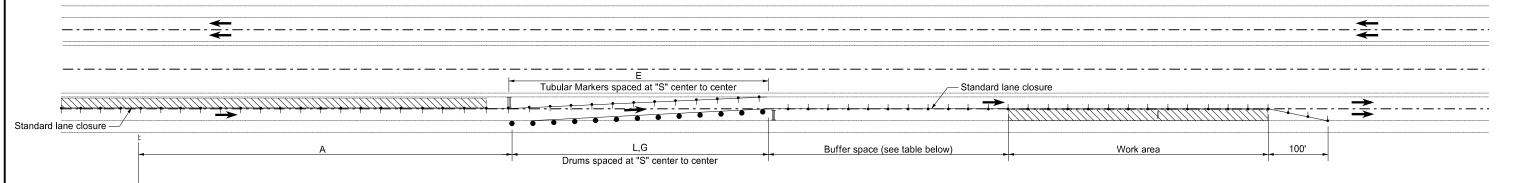
TRAFFIC CONTROL SYSTEM LANE SHIFT BETWEEN A LANE CLOSURE AND AN OPPOSITE LANE CLOSURE



QUANTITIES TYPE III BARRICADES 2 Each DELINEATOR DRUMS 13 Each TUBULAR MARKERS 13 Each RAISED PAVEMENT MARKERS (White) Varies OBLITERATION OF PAVEMENT MARKING Varies



LEGEND E Obliteration of pavement marking (10' line, 30' skip centerline) G Raised pavement markers (white) 5' ctrs.

- 1. Variables
 - Wallaules
 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.

 2. 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 \$80" signs below speed limit signs when placing traffic control devices to reduce speed.

7.	When duration of work is	14 days or less	. obliteration of pavem	ent marking (10' line, 30' ski	ip, centerline) and raised pavem	ent markers are not required.

Longitudinal Buffer Space	
*Speed	Length
(mph)	Min (feet)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730
75	820

Landitudia d Buffan Onasa

* Posted speed, off-peak 85th percentile speed prior to work starting, or the anticipated operating speed in mph.

ADVANCE WARNING SIGN SPAC	Distance	e Betwee	en Signs
Road Type	Min. (ft)		
••	A	B B	C
Urban - Low Speed (30 mph or less)	150	150	150
Urban - Low Speed (over 30 to 40 mph)	280	280	280
Urban - High Speed (over 40 mph to 50 mph)	360	360	360
Rural - High Speed (over 50 mph to 65 mph)	720	720	720
Urban Expressway and Freeway (55 mph to 60 mph)	850	1350	2200
Rural Expressway and Freeway	650	1330	2200
(70 mph to 75 mph)	1000	1500	2640
Interstate/4-Lane Divided			
(Maintenance and Surveying)	750	1000	1500

	DEPARTI	NORTH DAKOTA MENT OF TRANSPORTATION			
	10-26-2012				
	REVISIONS				
	DATE	CHANGE			
		Updated to active voice Clarified work zone			
- 1					

This document was originally issued and sealed by Kirk J Hoff, Registration Number PE-4683, on 11/1/19 and the original document is stored at the North Dakota Department of Transportation