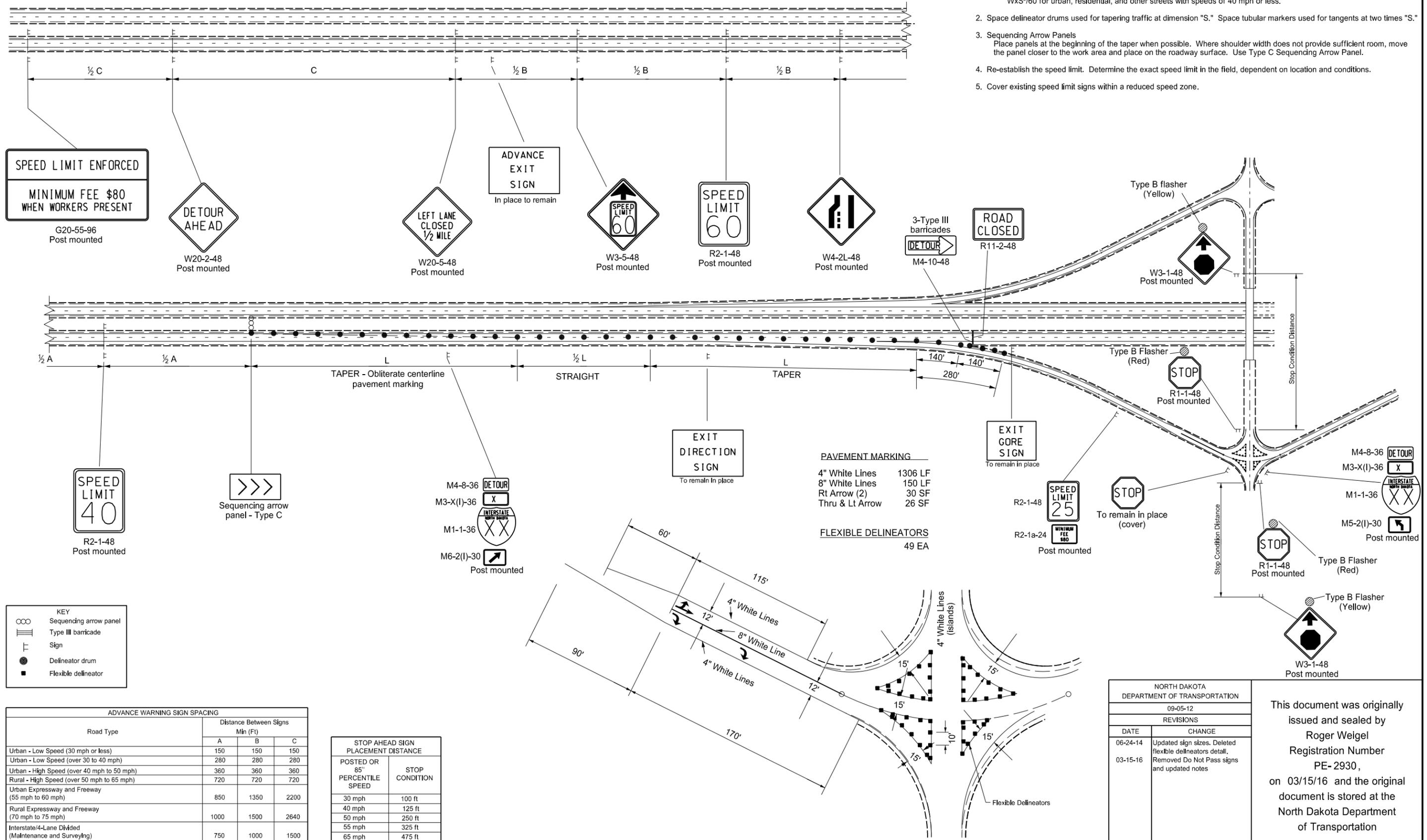


# INTERSTATE ROAD CLOSURE USING RAMPS CLOSURE FOR MORE THAN FIVE DAYS and Crossroad is not Closed

- Notes:
- Variables  
 S = Numerical value of speed limit or 85<sup>th</sup> percentile prior to work starting.  
 W = The width of the taper.  
 L = Minimum length of taper, or  $S \times W$  for freeways, expressways, and all other roads with speeds of 45 mph or greater, or  $W \times S^2/60$  for urban, residential, and other streets with speeds of 40 mph or less.
  - Space delineator drums used for tapering traffic at dimension "S." Space tubular markers used for tangents at two times "S."
  - Sequencing Arrow Panels  
 Place panels at the beginning of the taper when possible. Where shoulder width does not provide sufficient room, move the panel closer to the work area and place on the roadway surface. Use Type C Sequencing Arrow Panel.
  - Re-establish the speed limit. Determine the exact speed limit in the field, dependent on location and conditions.
  - Cover existing speed limit signs within a reduced speed zone.



**KEY**

- Sequencing arrow panel
- ≡≡≡ Type III barricade
- ⊥ Sign
- Delineator drum
- Flexible delineator

Road Type	Distance Between Signs Min (Ft)		
	A	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 (70 mph to 75 mph)	1000	1500	2640
Interstate/4-Lane Divided (Maintenance and Surveying)	750	1000	1500

STOP AHEAD SIGN PLACEMENT DISTANCE	
POSTED OR 85 <sup>th</sup> PERCENTILE SPEED	STOP CONDITION
30 mph	100 ft
40 mph	125 ft
50 mph	250 ft
55 mph	325 ft
65 mph	475 ft

**PAVEMENT MARKING**

4" White Lines	1306 LF
8" White Lines	150 LF
Rt Arrow (2)	30 SF
Thru & Lt Arrow	26 SF

**FLEXIBLE DELINEATORS**

	49 EA
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NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
09-05-12	
REVISIONS	
DATE	CHANGE
06-24-14	Updated sign sizes. Deleted flexible delineators detail.
03-15-16	Removed Do Not Pass signs and updated notes

This document was originally issued and sealed by Roger Weigel Registration Number PE-2930, on 03/15/16 and the original document is stored at the North Dakota Department of Transportation