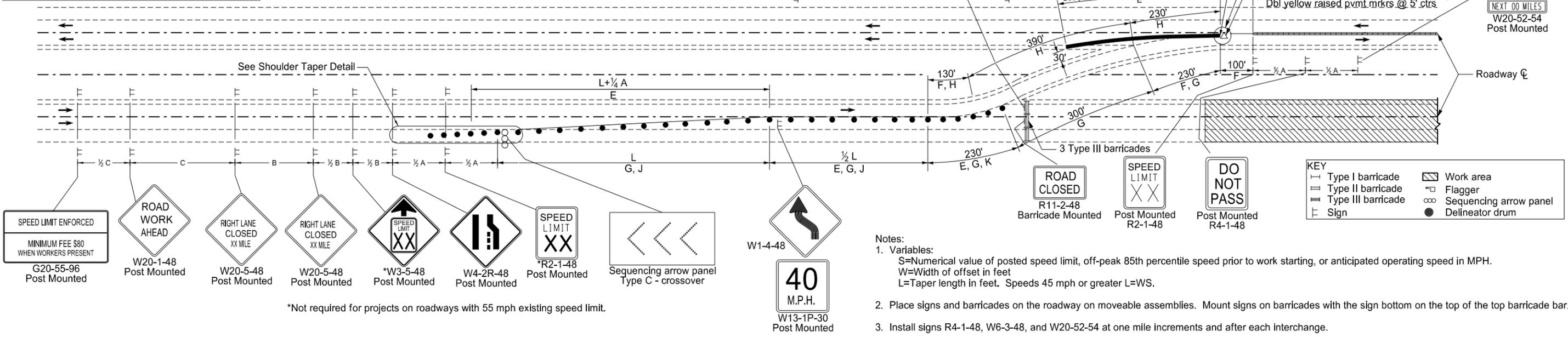


TRAFFIC CONTROL SYSTEM
 MEDIAN CROSSOVER (800 FT TRANSITION)
 55 MPH SPEED LIMIT OR GREATER

ADVANCE WARNING SIGN SPACING

Road Type	Minimum Distance Between Signs (ft)		
	A	B	C
Rural - High Speed (over 50 mph to 65 mph)	720	720	720
Urban Expressway and Freeway (55 mph to 60 mph)	850	1,350	2,200
Rural Expressway and Freeway (70 mph to 75 mph)	1,000	1,500	2,640
Interstate/4-Lane Divided (Maintenance and Surveying)	750	1,000	1,500

LEGEND
 E Obliteration of pavement marking (10' line, 30' skip, centerline)
 F Obliteration of pavement marking (edge lines)
 G Raised pavement markers (white) @ 5' centers
 H Raised pavement markers (yellow) @ 5' centers
 J Drums spaced @ "S" centers
 K Drums spaced @ 40' centers



KEY

— Type I barricade	▨ Work area
▨ Type II barricade	⚠ Flagger
— Type III barricade	⊙ Sequencing arrow panel
— Sign	● Delineator drum

- Notes:
- Variables:
 S=Numerical value of posted speed limit, off-peak 85th percentile speed prior to work starting, or anticipated operating speed in MPH.
 W=Width of offset in feet
 L=Taper length in feet. Speeds 45 mph or greater L=WS.
 - Place signs and barricades on the roadway on moveable assemblies. Mount signs on barricades with the sign bottom on the top of the top barricade bar.
 - Install signs R4-1-48, W6-3-48, and W20-52-54 at one mile increments and after each interchange.
 - Place the speed limit sign only if the crossover is over 1 mile from an interchange exit ramp.
 - Place Sequencing Arrow 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 on roadways with high traffic speeds and volumes (over 40 mph or 5000 ADT or greater)
 - Cover existing speed limit signs within a reduced speed zone.
 - Upon approval, the Engineer will measure obliterated or covered pavement marking as Obliteration of Pavement Marking.
 - The contractor has the option of using portable sign supports in lieu of post mounted sign supports in accordance with NDDOT Standard Specifications.
 - Reduce speed when placing traffic control devices. Place "Minimum Fee \$80" signs below speed limit signs in reduced speed areas. Place "Work Zone Speed Limit Enforced" sign in advance of the project at the time traffic control devices are installed.
 - Determine proper size, waterproof junction box, and attached to skid or vertical brace assembly.

SPEED LIMIT SIGNING

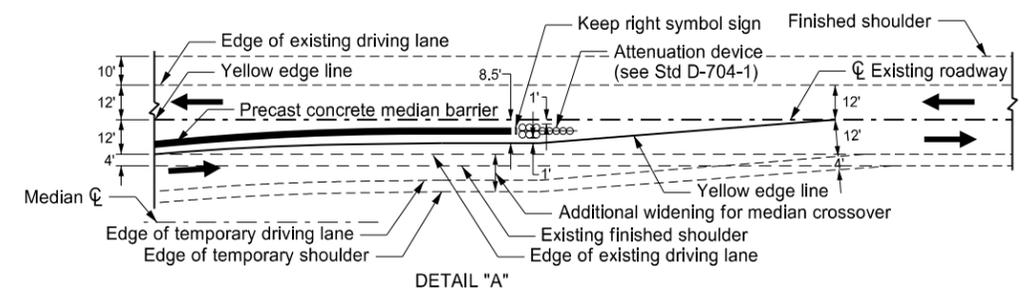
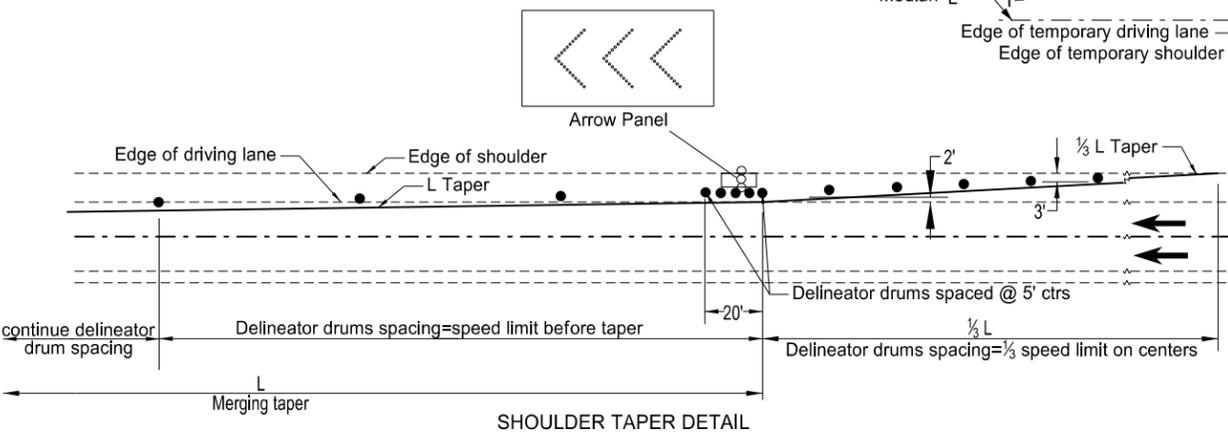
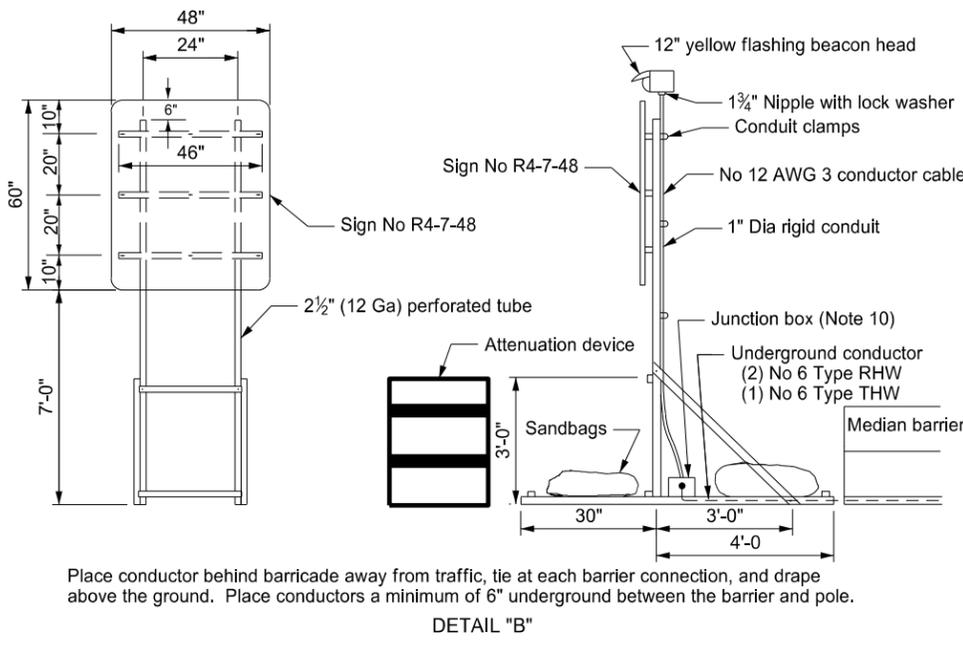
ROADWAY EXISTING SPEED LIMIT	SPEED LIMIT TO BE USED	XX	YY
55	50	55	
60	50	60	
65	55	65	
70	60	70	
75	65	75	

CROSSOVER QUANTITY SUMMARY

TYPE III BARRICADES	ROADWAY EXISTING SPEED LIMIT				
	55 MPH	60 MPH	65 MPH	70 MPH	75 MPH
TYPE III BARRICADES	3 Each	3 Each	3 Each	3 Each	3 Each
FLASHING BEACON	1 Each	1 Each	1 Each	1 Each	1 Each
DELINEATOR DRUMS	25 Each	25 Each	25 Each	25 Each	25 Each
SEQUENCING ARROW PANEL TYPE C-CROSSOVER	1 Each	1 Each	1 Each	1 Each	1 Each
PORTABLE PRECAST CONCRETE MEDIAN BARRIER	See "PRECAST CONCRETE MEDIAN BARRIER TABLE"				
ATTENUATION DEVICES	1-Type B-55	1-Type B-60	1-Type B-65	1-Type B-70	1-Type B-75
RAISED PAVEMENT MARKERS (YELLOW)	351 Each	397 Each	397 Each	415 Each	415 Each
RAISED PAVEMENT MARKERS (WHITE)	151 Each	163 Each	163 Each	163 Each	163 Each
OBLITERATION OF PAVEMENT MARKING	357 SF	523 SF	523 SF	413 SF	413 SF

PRECAST CONCRETE MEDIAN BARRIER TABLE

Roadway ϕ to roadway ϕ	Number-median barrier length
75'	48 - 480'
84'	44 - 440'
104'	43 - 430'



NORTH DAKOTA
 DEPARTMENT OF TRANSPORTATION

9-7-2012

REVISIONS

DATE	CHANGE
6/23/2014	Revised Note 8
3/15/2016	Removed Do Not Pass sign and updated notes
11/14/2016	Revised Attenuation width

This document was originally issued and sealed by Roger Weigel, Registration Number PE-2930, on 11/14/16 and the original document is stored at the North Dakota Department of Transportation