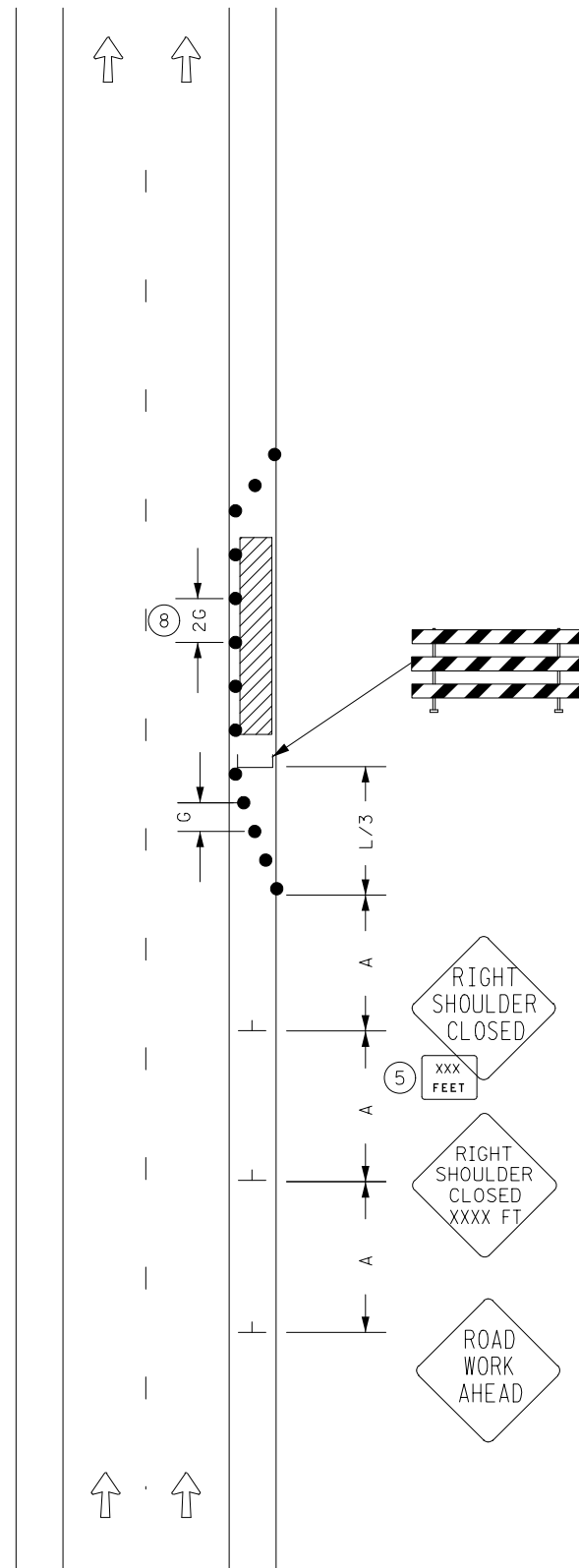


NOT TO SCALE



FREEWAY/EXPRESSWAY SHOULDER/PARKING LANE CLOSURE

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SPACING OF CHANNELIZING DEVICES (G) FEET	SPACING OF ADVANCE WARNING SIGNS (A) FEET	DECISION SIGHT DISTANCE FEET	TAPER LENGTH (L) FEET	SHIFTING TAPER (L/2) FEET	TYPICAL SHOULDER TAPER (L/3) FEET	BUFFER SPACE (B) FEET
0 - 30	25	100	550	200	100	75	200
35 - 40		325	700	325	175	125	305
45 - 50	50	600	900	600	300	200	425
55		750	1200	700	350	250	500
60 - 65		1000	1400	800	400	275	650
70 - 75		1200	1600	900	450	300	820

ALL DISTANCES BASED ON 12 FT LANE WIDTHS.

DESIGNER NOTES:

TYPICAL APPLICATION FOR REFERENCE ONLY, NOT TO BE INSERTED INTO PLAN.

1. INSERT SPACING CHART DISTANCES INTO LAYOUTS.
2. FOR ANY EXCAVATION OR DROP-OFF IN EXCESS OF 12 IN., SEE THE MINNESOTA DEPARTMENT OF TRANSPORTATION "TEMPORARY BARRIER GUIDANCE MANUAL".
3. MIRROR THIS LAYOUT FOR A LEFT SHOULDER CLOSURE ON A ONE WAY ROAD WITH THE APPROPRIATE SIGNING.
4. LIST ALL CONFLICTING INPLACE SIGNING THAT MUST BE MODIFIED, COVERED, AND/OR REMOVED. INCLUDE SIGN MODIFICATIONS, COVERS AND/OR REMOVALS IN THE TRAFFIC CONTROL PLAN.
5. WHERE THE DOWNSTREAM END OF THE SHOULDER CLOSURE EXTENDS BEYOND THE DISTANCE THAT CAN BE PERCEIVED BY ROAD USERS, A SUPPLEMENTARY PLAQUE BEARING THE MESSAGE NEXT XX FEET (W16-3P) OR MILES (W16-2P) SHOULD BE PLACED BELOW THE SHOULDER CLOSED (W21-5A) SIGN. ON MULTILANE, DIVIDED HIGHWAYS, SIGNS ADVISING OF SHOULDER WORK OR THE CONDITION OF THE SHOULDER SHOULD BE PLACED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
6. WHERE PARKING IS PERMITTED, CONTACT APPROPRIATE ROAD AUTHORITY TO COORDINATE INSTALLATION OF NO PARKING SIGN. NO PARKING SIGNS SHOULD BE INSTALLED 24 HOURS IN ADVANCE OF RESTRICTION. COVER ANY EXISTING/ CONFLICTING PARKING SIGNS.
7. IF PARKING LANE IS NORMALLY OPEN TO VEHICLE TRAVEL DURING THE TIME OF DAY THIS CLOSURE WILL BE IN EFFECT, THE LANE SHALL BE CONSIDERED A TRAVELED LANE AND NOT A PARKING LANE. THE APPROPRIATE LAYOUT SHALL THEN BE USED TO PROVIDE TRAFFIC CONTROL FOR THE LANE CLOSURE.
8. USE G SPACING WHERE PARKING IS BEING RESTRICTED.
10. FOR ANY EXCAVATION OR DROP-OFF IN EXCESS OF 12 IN., SEE THE MINNESOTA DEPARTMENT OF TRANSPORTATION "TEMPORARY BARRIER GUIDANCE MANUAL".

● DRUMS