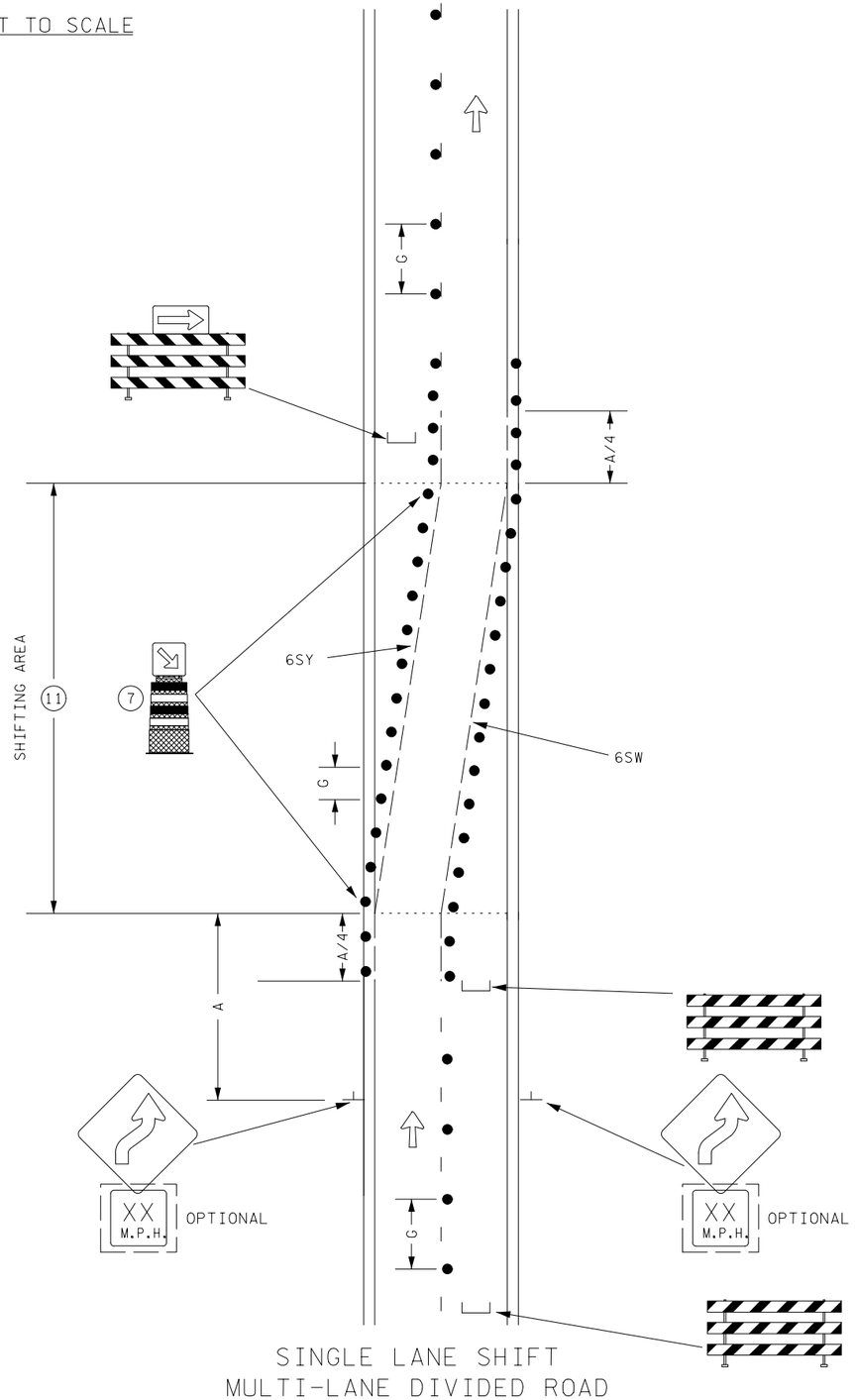
NOT TO SCALE



SINGLE LANE SHIFT
MULTI-LANE DIVIDED ROAD

POSTED SPEED LIMIT PRIOR TO WORK STARTING	SPACING OF CHANNELIZING DEVICES (G)	SPACING OF ADVANCE WARNING SIGNS (A)	DECISION SIGHT DISTANCE	TAPER LENGTH (L)	SHIFTING TAPER (L/2)	TYPICAL SHOULDER TAPER (L/3)	BUFFER SPACE (B)
(MPH)	FEET	FEET	FEET	FEET	FEET	FEET	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 ADVANCE SIGNING, PLACEMENT OF TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS AND REMOVALS, AND LANE CLOSURE, SEE THE APPROPRIATE STATIONARY LAYOUT.
3. CONSIDER THE INSTALLATION OF A PCMS AND/OR G20-X2 OR SPECIAL SIGN, IF CONGESTION IS EXPECTED, IF ADVANCE SIGNING TO DIVERT TRAFFIC IS NEEDED OR OTHER CONDITIONS DETERMINED BY THE ENGINEER.
4. CONSIDER THE INSTALLATION OF A PCMS AND/OR G20-X1 SIGN (MODIFIED) OR G20-X2 SIGN FOR SEVEN DAY ADVANCE WARNING OF RESTRICTION.
5. FOR ANY EXCAVATION OR DROP-OFF IN EXCESS OF 12 IN., SEE THE MINNESOTA DEPARTMENT OF TRANSPORTATION "TEMPORARY BARRIER GUIDANCE MANUAL".
6. IF 48"X48" ADVANCE WARNING SIGNS WILL NOT FIT ON THE LEFT SIDE BECAUSE OF A NARROW MEDIAN (LESS THAN 6 FT.)
   A. REDUCE THE LEFT SIDE SIGN SIZES TO 36"X36" OR
   B. ELIMINATE THE LEFT SIDE SIGNING, USE AN ADDITIONAL "RIGHT LANE CLOSED" SIGN ON THE RIGHT, AND DISPLAY THE FLASHING ARROWBOARD ON THE SHOULDER.

(7) MAY ADD A W21-X3 AT 45 DEGREE DOWN ANGLE TO ALL DRUMS ON THE APPROPRIATE SIDE IN SHIFTING AREA FOR ADDED ENHANCEMENT.

8 ALL TEMPORARY PAVEMENT MARKINGS SHALL BE WET REFLECTIVE MATERIAL.

9. LIST ALL CONFLICTING INPLACE SIGNING THAT MUST BE MODIFIED, COVERED, AND/OR REMOVED. INCLUDE SIGN MODIFICATIONS, COVERS AND/OR REMOVALS IN TRAFFIC CONTROL PLAN.
10. THE MINIMUM LANE WIDTH SHOULD BE 11 FEET AND SHALL NOT LESS THAN BE 10 FEET. IF LANE WIDTH IS LESS THAN 11 FEET FURNISH AND INSTALL ADDITIONAL (REDUCED WIDTH) W20-X11 SIGNS.

(11) MASK OR REMOVE ALL CONFLICTING PAVEMENT MARKINGS. DETERMINE QUANTITY OF MARKINGS TO BE MASKED OR REMOVED FOR PAY ITEM QUANTITIES.

● DRUMS

— — - TEMPORARY WET REFLECTIVE PAVEMENT MARKING.

6SY = 6 INCH SOLID LINE YELLOW WET REFLECTIVE
6SW = 6 INCH SOLID LINE WHITE WET REFLECTIVE