

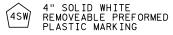
RIGHT TWO LANES CLOSED
MULTI-LANE DIVIDED ROAD
LONG TERM

1/26/18 LAYOUT Ø3

SPACING SPACING DECISION SIGHT DISTANCE TAPER ITMIT ADVANCE CHANNELIZING LENGTH SPACE PRIOR TO WARNING DEVICES (G) (L) (B) STARTING (A) (MPH) FEET FEET FEET FEET FEET 0 - 30 550 200 200 100 25 35 - 40 325 700 305 325 45 - 50 600 900 600 425 750 700 500 55 1200 50 60 - 65 1000 1400 800 650 70 - 75 1200 1600 900 820

DESIGNER NOTES (REMOVE FROM LAYOUT BEFORE INSERTING IN PLAN):

- 1. INSERT SPACING CHART DISTANCES INTO LAYOUTS AND REMOVE CHART WHENEVER PRACTICAL.
- 2. DETERMINE IF "END ROAD WORK" SIGNS ARE NEEDED.
- 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 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES SECTION 6F.85 TEMPORARY "TRAFFIC BARRIERS".
- 6. FOR CLOSURES GREATER THAN 1000 FT., SEE LAYOUT 70 "LANE CLOSURE EXTENSION".
- 7.  $\times$  REQUIRED FOR SPEEDS 45 MPH AND GREATER.
- 8. SELECT APPROPRIATE MATERIAL FOR TEMPORARY MARKINGS. SEE STRIPING KEY.
- 9. 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 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.
- 10. IF BACKUPS ARE EXPECTED CONSIDER USE OF LAYOUT 66 "PASSIVE ZIPPER MERGE".
- 11. REMOVE CONFLICTING MARKINGS. DETERMINE QUANTITY OF MARKINGS TO BE REMOVED OR COVERED FOR PAY ITEM QUANTITIES.
- 12. THE FLASHING ARROW BOARD SHALL BE USED WHEN THE POSTED SPEED LIMIT IS 45 MPH OR GREATER, AND SHALL BE PLACED FULLY ON THE SHOULDER. IF THERE IS NO SHOULDER, OR THE SHOULDER IS TO NARROW, PLACE THE FLASHING ARROW BOARD AT THE END OF THE TAPER IN LIEU OF THE TYPE III BARRICADE ASSEMBLY.



DRUMS, TYPE I OR TYPE II
BARRICADE OR VERTICAL PANEL.

----- SOLID LINE PAVEMENT MARKING WITH TEMPORARY RAISED PAVEMENT MARKERS AT 10' SPACING OR WET REFLECTIVE TAPE.