DETERMINE IF "END ROAD WORK" SIGNS ARE NEEDED.

3. CONSIDER THE INSTALLATION OF A PCMS AND/OR G20-X2 OR SPECIAL SIGN, OR G20-X2 SIGN FOR SEVEN DAY ADVANCE WARNING OF RESTRICTION.

6. LIST ALL DIRECTIONAL SIGNING THAT MUST BE COVERED, REMOVED OR MODIFIED

9. SUPPLEMENTAL DELINEATION (SUCH AS CHEVRONS, DOWN ARROWS, ETC.) MAY BE REQUIRED ON THE BYPASS.

B. ELIMINATE THE LEFT SIDE SIGNING, USE AN ADDITIONAL "RIGHT LANE CLOSED" SIGN ON THE RIGHT, AND DISPLAY THE FLASHING ARROWBOARD ON THE SHOULDER.

A. REDUCE THE LEFT SIDE SIGN SIZES TO 36"X36" OR

10. IF 48"X48" ADVANCE WARNING SIGNS WILL NOT FIT ON THE LEFT SIDE BECAUSE OF RESTRICTION.

14. OPTIONAL. WHEN USED, ADVISORY SPEED PLAQUES SHALL BE INSTALLED BELOW THE APPROPRIATE WARNING SIGNS.

15. MAY ADD A W21-X3 AT 45 DEGREE DOWN ANGLE TO DRUMS ON THE APPROPRIATE SIDE

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. DETERMINE IF "END ROAD WORK" SIGNS ARE NEEDED.

3. CONSIDER THE INSTALLATION OF A PCMS AND/OR G20-X2 OR SPECIAL SIGN, OR G20-X2 SIGN FOR SEVEN DAY ADVANCE WARNING OF RESTRICTION.

4. CONSIDER THE INSTALLATION OF A PCMS AND/OR G20-X2 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. LEFT ALL DIRECTIONAL SIGNING THAT MUST BE COVERED, REMOVED OR MODIFIED BECAUSE OF RESTRICTION.

7. ALL TEMPORARY MARKINGS SHALL BE WET REFLECTIVE MATERIAL.

8. MASK OR REMOVE CONFLICTING MARKINGS. DETERMINE MATERIAL TYPE AND QUANTITY OF MARKINGS TO BE MASKED OR REMOVED FOR PAY ITEM QUANTITIES.

9. SUPPLEMENTAL DELINEATION SUCH AS CHEVRONS, DOWN ARROWS, ETC. MAY BE INSTALLED ON THE BYPASS.

10. IF 48"X48" ADVANCE WARNING SIGNS WILL NOT FIT ON THE LEFT SIDE BECAUSE OF A NARROW MEDIAN (LESS THAN 6 FT.), REDUCE THE LEFT SIDE SIGN SIZES TO 36"X36" OR USE THE REVERSE CURVE SIGNS.

11. IF "T" IS GREATER THAN 600', INSTALL 4" BROKEN LINE WHITE STRIPING THROUGH THE ENTIRE LENGTH OF THE TANGENT. IF "T" IS GREATER THAN 600', USE THE BYPASS SIGN. IF "T" IS LESS THAN 600', USE THE REVERSE CURVE SIGNS.

12. IF "T" IS 600' OR LESS INSTALL 6" SOLID LINE WHITE STRIPING THROUGH THE ENTIRE LENGTH OF THE TANGENT. CONSIDER 8" ON SHARP CURVES, PAINT COLOR OF THE TANGENT. IF "T" IS GREATER THAN 600', USE THE BYPASS SIGN. IF "T" IS LESS THAN 600', USE THE REVERSE CURVE SIGNS.

13. THE MINIMUM LANE WIDTH SHOULD BE 11 FEET AND SHALL NOT BE LESS THAN 10 FEET. IF LANE WIDTH IS LESS THAN 11 FEET FURNISH AND INSTALL ADDITIONAL THROUOUD WIDTH WITHOUT SIGHT.

14. OPTIONAL. WHEN USED, ADVISORY SPEED PLAQUES SHALL BE INSTALLED BELOW THE APPROPRIATE WARNING SIGNS.

15. MAY ADD A W21-X3 AT 45 DEGREE DOWN ANGLE TO DRUMS ON THE APPROPRIATE SIDE IN SHIFITNG AREAS FOR ADDED ENHANCEMENT.

4SY = 4 INCH SOLID LINE YELLOW WET REFLECTIVE
6SY = 6 INCH SOLID LINE YELLOW WET REFLECTIVE
4SW = 4 INCH SOLID LINE WHITE WET REFLECTIVE
6SW = 6 INCH SOLID LINE WHITE WET REFLECTIVE

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**POSTED ROAD WORK STARTING**

**SPACING OF CHANNELIZING DEVICES**

**SPACING OF ADVANCE WARNING SIGNS**

**SHIFING (A)**

**TYPICAL LENGTH**

**TYPICAL BUFFER SPACE (B)**

**FEET**

**FEET**

**FEET**

**FEET**

**FEET**

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ALL DISTANCES BASED ON 12 FT. LANE WIDTHS.

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

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UPDATED 01/30/2020  LONG TERM TYPICAL APPLICATION 57