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. All temporary pavement markings shall be wet reflective material.

4. May substitute at double solid yellow with temporary raised pavement markers (2 double sided strips side by side 2-3 apart at 10' intervals).

5. Mask or remove all conflicting pavement markings, determine the quantity of markings to be masked or removed for pay item quantities.

6. G20-X7 may need to be adjusted, see Traffic Engineering Manual for some operating conditions.

7. The design of the deceleration lane and exit ramp shall be as designed by the Engineer or as shown in the plans.

8. Spacing for surface mount delimiters are G/2 250' for 2G in advance of gores, acceleration lanes, crossovers, and intersections. Spacing for surface mounted delimiters may be increased to 2G and greater than 250' from corners, acceleration lanes, crossovers, and intersections.

9. List all conflicting signage that must be modified, covered, and/or removed. Supplemental signage, channelizing devices, and/or temporary devices in the traffic control plan, prepare special sign design layout sheet(s).

10. Supplemental delineation vision as chevrons, down arrows, etc., may be required for the ramp.

11. Design a special sign or use route marker assembly.

12. If exit was designated by a Permanent Exit Sign with exit number, the sign shall be placed in conformance with Design Manual.

13. If either a W13-2 or W13-3 signs are used, determine the appropriate advisory speed.

14. A W13-1P should be used if either a W13-2 or W13-3 advisory speed sign is used.

**Design Notes:**

- Typical application for reference only, not to be inserted into plan.
- Insert spacing chart distances into layouts.
- For any excavation or drop-off in excess of 12 in, see the Minnesota Department of Transportation "Temporary Barrier Guidance Manual".
- All temporary pavement markings shall be wet reflective material.
- May substitute at double solid yellow with temporary raised pavement markers (2 double sided strips side by side 2-3 apart at 10' intervals).
- Mask or remove all conflicting pavement markings, determine the quantity of markings to be masked or removed for pay item quantities.
- G20-X7 may need to be adjusted, see Traffic Engineering Manual for some operating conditions.
- The design of the deceleration lane and exit ramp shall be as designed by the Engineer or as shown in the plans.
- Spacing for surface mount delimiters are G/2 250' for 2G in advance of gores, acceleration lanes, crossovers, and intersections. Spacing for surface mounted delimiters may be increased to 2G and greater than 250' from corners, acceleration lanes, crossovers, and intersections.
- List all conflicting signage that must be modified, covered, and/or removed. Supplemental signage, channelizing devices, and/or temporary devices in the traffic control plan, prepare special sign design layout sheet(s).
- Supplemental delineation vision as chevrons, down arrows, etc., may be required for the ramp.
- Design a special sign or use route marker assembly.
- If exit was designated by a Permanent Exit Sign with exit number, the sign shall be placed in conformance with Design Manual.
- If either a W13-2 or W13-3 signs are used, determine the appropriate advisory speed.
- A W13-1P should be used if either a W13-2 or W13-3 advisory speed sign is used.