

## SECTION 5

### SIGNING AND PAVEMENT MARKINGS

**5.1 INTRODUCTION.** This section covers street signing and pavement markings.

**5.2 SIGNING MATERIALS, FABRICATION AND PLACEMENT.** All traffic, street name and other roadside signage shall follow the requirements for materials, fabrication and installation outlined in the standard drawings and these specifications.

**5.2.1 STREET NAME SIGNS.** The sign face materials shall consist of reflective "high intensity" grade sheeting (or better). "Engineer" or similar grade materials shall not be used. The sign face colors shall be green for public streets and blue for private streets. The street sign blanks shall consist of high tensile, degreased aluminum in accordance with the standard drawings. The street name sign face layout detail, as shown on standard drawings, shall be followed. The "Street Name Sign Designation Form" found in the standard drawings shall be completed and approved by the City Address Coordinator prior to the fabrication and installation of any new street name signs. All street name signs shall include address coordinates.

The street name signs shall be installed on galvanized steel posts that conform to the requirements contained in the standard drawings. The installation method and location shall be in accordance with the standard drawings and the MUTCD.

**5.2.2. TRAFFIC SIGNS.** All traffic signs shall conform to the requirements relating to color, face, size, markings, lettering and location of installation found in the Manual of Uniform Traffic Control Devices for Streets and Highways (MUTCD). Traffic sign face material shall consist of reflective "high intensity" grade sheeting (FP-85 Type IIIA).

Traffic sign blanks shall consist of 0.1 inch thick high tensile degreased aluminum alloy in, accordance with 6061-T6, with alodine 1200 finish.

All traffic signs shall be installed on galvanized steel posts in accordance with the standard drawings.

**5.2.3 VISIBILITY.** All street name and traffic signs shall be installed in such a manner as to provide adequate advance visibility for an approaching driver in accordance with MUTCD and other approved standards.

**5.3 PAVEMENT MARKINGS.** Pavement markings shall include all traffic lane striping, pavement words and symbols, and other traffic oriented street markings.

The standards regarding color, type, size and layout of pavement markings *Manual on Uniform Traffic Control Devices for Streets and Highways*. However, in such cases where the Utah Department of Transportation standards take precedence, they should be followed.

### **5.3.1 LINE TYPES**

- A. **SOLID LINES.** Solid lines shall consist of a four (4) inch wide solid white or yellow lines.
- B. **SKIP (BROKEN) LINES.** Skip lines shall consist of line segments and gaps on a 3 to 1 ratio. The line segment shall be four (4) inches wide (white or yellow line) and generally ten (10) feet long. The gap segment shall generally be thirty (30) feet long.
- C. **DOUBLE LINES.** A double line shall consist of two four (4) inch wide solid yellow lines separated by a minimum four (4) inch wide space.
- D. **LANE LINES.** Lane lines shall consist of a four (4) inch wide skip line, white in color. Lane lines separate lanes of traffic travelling in the same direction. A four (4) inch wide or wider solid white line may be used as the lane line in critical areas where it is advisable to discourage lane changing, such as on bridges having width restrictions and in intersection areas where lane changing disrupts traffic flow.
- E. **STOP BARS.** Stop bars shall be white. Width shall be two (2) feet, unless otherwise directed.

**5.3.2 PAVEMENT WORD AND SYMBOL MARKINGS.** Shall be in accordance with the MUTCD.

**5.3.3 TRAFFIC PAINT.** Traffic paint shall conform to the latest requirements contained in the State of Utah Department of Transportation "Standard Specifications for Road and Bridge Construction". Traffic paint shall be applied only when all of the following conditions are met:

- A. The air temperature is above forty (40) degrees Fahrenheit.
- B. The temperature of the surface to be painted is between forty (40) and one hundred (100) degrees Fahrenheit.
- C. The surface to be painted is clean and dry, and
- D. The weather is not windy, foggy or humid.

Painting shall be done in a neat and workmanlike manner. Paint shall be applied smoothly and uniformly in accordance with the manufacturer's specifications. The finish shall be uniform in appearance and coverage.

**5.3.4 TEMPORARY MARKINGS.** Temporary markings may be required until permanent markings can be properly placed. Temporary pavement markings shall be reflectorized traffic paint or other material approved by the City's Representative.

**5.3.5 RAISED PAVEMENT MARKERS.** Raised pavement markers shall conform, in terms of materials and application, to the latest standards found in the requirements of the State of Utah Department of Transportation or other approved standards and shall be approved for use prior to application.