

## SECTION 02910 - SIGN MATERIALS

*(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project but make necessary modifications to only include project specific specifications. Delete specifications that do not apply to the project.)*

Comply with Section 02910 of the Standard Specifications modified as follows:

**02910.02 Types of Signs** - Add "O6" and "O8" sign types and replace the "B2", "B3", "C1", "C2", "F1", "G1", "G2", "G3", "G4", "O3", "O4", "O5", "R1", "W9", and "Y7" sign types with the following:

- "B2" Blue Type III or Type IV sheeting background with white Type IX permanent removable legend.
- "B3" Blue Type IX sheeting background with white Type IX permanent or removable legend or white Type IX sheeting overlaid with blue transparent paste background, with retroreflective silver-white screened legend.
- "C1" Brown Type III or Type IV sheeting background with white Type IX permanent or removable legend.
- "C2" Brown Type IX sheeting background with white Type IX permanent or removable legend or white Type IX sheeting overlaid with brown transparent paste background, with retroreflective silver-white screened legend.
- "F1" White Type IX sheeting background overlaid with red and blue transparent paste background with white Type IX permanent legend.
- "G1" Green Type III or Type IV sheeting background with white Type IX removable legend.
- "G2" Green Type III or Type IV sheeting background with white Type IX permanent legend.
- "G3" Green Type IX sheeting background with white Type IX permanent legend, or white Type IX sheeting background overlaid with green transparent paste background with retroreflective silver-white screened legend.
- "G4" Green Type IX sheeting background with white Type IX removable legend.
- "O3" Fluorescent orange Type VIII, or Type IX sheeting background with black nonreflective permanent legend and red retroreflective symbol (Stop or Yield Ahead Symbol Sign).
- "O4" Fluorescent orange Type VIII or Type IX sheeting background with black nonreflective permanent legend.

"O5" Fluorescent orange Type VIII or Type IX sheeting background with black nonreflective removable legend.

"O6" Fluorescent orange Type VIII or Type IX sheeting background with black nonreflective permanent legend and red, yellow, and green Type VIII and Type IX circles. (Signal Ahead Symbol Sign)

"O8" Fluorescent orange Type VIII or Type IX sheeting background with black nonreflective screened or cut-out permanent legend and silver-white Type VIII or Type IX symbol. (Speed Reduction Symbol Sign)

"R1" White Type IX sheeting background overlaid with red transparent paste background with white Type IX permanent legend.

"W9" Silver-white Type III or Type IV sheeting background with blue nonreflective screened or cut-out permanent legend.

"Y7" Fluorescent yellow Type IX sheeting background with black nonreflective screened or cut-out permanent legend and red Type IX symbol. (Stop or Yield Ahead Symbol Sign)

**02910.20(a) General** - Replace the sentence that begins "Use reflective sheeting..." with the following sentence:

Use reflective sheeting Type I and retroreflective sheeting Type III, Type IV, Type VIII, and Type IX from the QPL and the following:

**02910.32(b) Retroreflective Sheeting Legend** - In the paragraph that begins "The silver-white or...", replace the sentence that begins "The white retroreflective sheeting..." with the following sentence:

The white retroreflective sheeting shall consist of Type IX sheeting conforming to 02910.20.

**02910.75 Manufacturer's Warranty** - Replace the paragraph that begins "For retroreflective Type III..." with the following paragraph:

For retroreflective Type III and Type IV sheeting used for permanent signs, provide a Warranty, for a Warranty period of 10 years, for restoring sign panels and replacing sheeting if the sheeting has failed as defined below.

In the paragraph that begins "For purposed of the Warranty...", replace the bullet that begins "70% of minimum coefficient...", with the following bullet:

- 70% of minimum coefficient of retroreflection for designated sheeting or cuttable film according to ASTM D 4956 for the remaining 3 years of the Warranty period for Type III and Type IV sheeting and remaining 5 years of the Warranty period for Type IX sheeting.