

## 380 SIGN MATERIALS

The table below lists the sheeting alternatives that are acceptable for each category of signing.

The type of sheeting to be used in any given application will be called out on the project plans. Use of sign sheeting other than that specified in this section shall require approval by the State Traffic Engineer.

SIGN TYPE OR APPLICATION	TYPE OF SHEETING					
	III/IV	VI	VIII	IX	X	XI***
Warning Signs (Fluorescent)			X	X	X	X
Regulatory Signs (White)			X	X	X	X
Regulatory Signs (Red)			X	X	X	X
Guide Sign-Backgrounds			X	X	X	X
Direct Applied Characters and Shields on Guide Signs			X	X	X	X
Demountable Characters and Shields on Guide Signs			X	X	X	X
Route Marker Signs and Auxiliaries (stand-alone)			X	X	X	X
Orange Work Zone Signs (Fluorescent)*			X	X	X	X
Orange Work Zone Signs (Roll-up)**		X				X
Barricades, Channelizers and other Work Zone devices	X		X	X	X	X
Milepost Markers			X	X	X	X
Object Markers, Guard Rail Markers, and Delineators			X	X	X	X
Object Markers for Guard Rail End Treatments, and Impact Attenuators (Fluorescent)			X	X	X	X

- \* Orange Warning Work Zone signs shall use prismatic fluorescent orange sheeting per the ADOT Approved Products List ( <http://azdot.gov/TPD/ATRC/pride/index.asp> )
- \*\* Non-reflective sign materials may be used for strictly daytime applications such as maintenance and survey work where the signs may be clearly visible under available natural light.
- \*\*\* Pending ASTM approval of Type XI sheeting.

The designations and requirements for sheeting shall conform to American Society of Testing Materials (ASTM) D4956-04 Standard Specification for Retroreflective Sheeting for Traffic Control, unless otherwise noted. Materials used for a particular application shall be of the same ASTM type, manufacturer, and product for all signs of the same type in the project.

Orange warning signs shall use fluorescent orange sheeting. The only exception is for warning signs strictly used in daytime applications such as maintenance and survey work where the signs may be clearly visible under available natural light, then non-reflective sign materials may be used.

The Type VI shall be a flexible prismatic lens element material with a Class 5 backing that is specifically designed for roll-up signs.

Designers, construction and maintenance personnel need to become familiar with the Approved Products List (APL) which is maintained by the Arizona Transportation Research

Center through the PRIDE program and available through that office, or on the ADOT intranet and internet at <http://azdot.gov/TPD/ATRC/pride/index.asp>, because not all colors or types of sheeting products have been approved for use. For instance, some inks used in printing of certain types of regulatory and guide signs have not performed satisfactorily in testing and therefore any signs using those inks are unacceptable.

Details on direct applied and demountable copy, as well as other aspects of signs and sign sheeting may be found in Sections 608 and 1007 of the Standard Specifications. All potential users need to become familiar with these parts of the Standards and any revisions that may be issued in Stored Specification or Special Provision format.