

**KANSAS DEPARTMENT OF TRANSPORTATION  
 SPECIAL PROVISION TO THE  
 STANDARD SPECIFICATIONS, 2015 EDITION**

Delete SECTION 1725 and replace with the following:

**SECTION 1725**

**DETECTABLE WARNING SYSTEMS**

**1725.1 DESCRIPTION**

This specification governs fabrication of panels compliant with the 2010 ADA Standards for Accessible Design, Standard 705, Detectable Warnings. The panels are required to comply with all dimensional requirements as stipulated within the standard.

**1725.2 REQUIREMENTS**

**a. General.**

(1) Detectable panels shall consist of a surface of truncated domes and must be prequalified. Procedures for prequalification are outlined in **subsection 1725.4**.

(2) Unless shown otherwise in the Contract Documents, manufacture all panels provided under this specification to comply with the applicable subsections.

(3) Provide in the appropriate color, size, and pattern as stipulated in the Contract Documents.

(4) Provide a cast in place composite or surface applied composite panel.

**b. Material Specifications.** Provide detectable warning panels that meet **TABLE 1725-1**.

<b>TABLE 1725-1: DETECTABLE WARNING PANELS</b>		
<b>Property</b>	<b>Test Method</b>	<b>Requirement</b>
Slip Resistance	ASTM C1028-07	Wet/Dry Coefficient of Friction – 0.80 min.
Salt Spray	ASTM B117	No visible change (192 hrs.)
Water Absorption	ASTM D570	≤0.1%
Flexural Strength	ASTM D790	20,000 psi min.
Compressive Strength	ASTM D695	25,000 psi min.
Tensile Strength	ASTM D638	10,000 psi min.
Freeze/Thaw/Heat	ASTM C1026	No change

**1725.3 TEST METHODS**

Perform all test methods as specified in **subsection 1725.2**.

**1725.4 PREQUALIFICATION**

**a. General.** Panels must be able to comply with the specification requirements of **subsection 1725.2** to be prequalified. KDOT reserves the right to perform salt spray testing on submitted samples.

**b. All Panel Types.** Submit product literature (including detailed and dimensioned drawings of all manufactured panel sizes), test reports from an accredited lab, SDS, and installation and removal instructions. Submit all literature and (3) 6 x 6-inch panels of each color to be prequalified to the Assistant Bureau Chief of Construction and Materials.

**c. Re-Prequalification.** Material or physical changes to panels requires re-prequalification. Changes in panel size or additions to the number of standard panel sizes does not require re-prequalification.

**d. Maintaining Prequalification.** The Bureau of Construction and Materials will maintain a prequalified list of all complying products. Products will remain on the prequalified list if performance in the field is satisfactory.

**1725.5 BASIS OF ACCEPTANCE**

The manufacturer must be currently prequalified as specified in **subsection 1725.4**.  
Receipt and approval of a Type C certification as specified in **DIVISION 2600**.  
Visual inspection for cracked or damaged panels.

07-15-2020 C&M (KJS)  
Nov-2020 Letting