

## Section 8 – Bridge Joint Seals

### Joint Armor for Pedestrian Walkways

#### XS Sheet Numbers

xs8-050

#### Description of Component

Joint armor design for pedestrian walkways in conformance with ADA requirements.

#### Standard Drawing Features

A steel plate with taper edges and flat head cap screws is placed over expansion joints/joint openings in pedestrian walkways.

#### Design/General Notes

- Openings on the walkways shall not allow passage of a sphere more than  $\frac{1}{2}$  inch diameter except as allowed.
- Changes in level up to  $\frac{1}{4}$  inch high shall be permitted.
- Changes in level between  $\frac{1}{4}$  inch high minimum and  $\frac{1}{2}$  inch high maximum shall be beveled with a slope not steeper than 1:2.
- Changes in level greater than  $\frac{1}{2}$  inch high shall be beveled with a slope not steeper than 1:12

#### Contract Specifications

Design Information Bulletin (DIB) 82-04 for “Pedestrian Accessibility Guidelines for Highway Projects”

#### Restrictions on Use of Standard Drawings

The joint armor shall be employed over every expansion joint in pedestrian walkways when ADA compliance is required.