QPL 9 ELASTOMERIC BRIDGE JOINTS AND BRIDGE JOINT SYSTEMS

SECTION A: ELASTOMERIC BRIDGE JOINTS

PROCEDURES

GENERAL

This evaluation procedure outlines the Department's approval process for elastomeric bridge joints.

SPECIFICATIONS

None

PROCEDURE

A completed Product Evaluation Form, MSDS sheets, if applicable, product data information and sample of the product being tested must be submitted to the Division of Materials and Tests.

The product will be tested according to the above specifications and must meet the following requirements:

1. Compressive Strength:

Age	PSI
1 Day	1000

2) Slant Shear Hardened to Plastic Concrete

Age	PSI
1 Day	1000
7 Days	1300

If necessary, the manufacturer may be required to install their product on a test deck provided by the Department. The joint shall remain flexible and neither crack, become tacky, de-bond nor deteriorate over the normal range of temperatures and weather conditions or when exposed to gasoline, hydraulic brake fluid, motor oil, calcium chloride or deicing chemicals.

After one year, a visual inspection shall be made to ensure that there is no visible evidence of deterioration in regards to the above mentioned properties. In addition, the Department also reviews, in the lab, the products' ability to bond to hardened concrete and flexibility in below freezing temperatures.

SECTION B: EXPANSION JOINT SYSTEMS FOR REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS (STD-1-5)

PROCEDURES

SPECIFICATIONS

STD-1-5

PROCEDURE

A completed Product Evaluation Form, MSDS sheets, if applicable, product data information and a sample of the product being tested must be submitted to the Division of Materials and Tests.

The product will be tested according to the above specifications and must meet the following requirements:

1. Compressive Strength:

Age	PSI
1 Day	1000

2) Slant Shear Hardened to Plastic Concrete

Age	PSI
1 Day	1000
7 Days	1300

If necessary, the manufacturer may be required to install their product on a test deck provided by the Department. The joint shall remain flexible and neither crack, become tacky, de-bond nor deteriorate over the normal range of temperatures and weather conditions or when exposed to gasoline, hydraulic brake fluid, motor oil, calcium chloride or deicing chemicals.

After one year, a visual inspection shall be made to ensure that there is no visible evidence of deterioration in regards to the above mentioned properties. In addition, the Department also reviews, in the lab, the products' ability to bond to hardened concrete and flexibility in below freezing temperatures.