

## **Part 1 GENERAL**

### **1.1 REFERENCES**

- .1 Nova Scotia Transportation and Infrastructural Renewal (NSTIR) Standard Specification for Highway Construction and Maintenance (current edition).
- .2 CAN/CSA-S6, Canadian Highway Bridge Design Code

### **1.2 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Provide 2 copies of the manufacture's product information sheets

## **Part 2 PRODUCTS**

### **2.1 NEOPRENE STRIP SEAL GLAND**

Physical Properties:

- |    |  |           |
|----|--|-----------|
| .1 | Hardness, Type A Durometer, points             | 55 +/- 5  |
| .2 | Tensile Strength, min (MPa)                    | 13.8      |
| .3 | Elongation at Break, min (%)                   | 250       |
| .4 | Oven aging, 70 hours at 100°C                  |           |
| .1 | Tensile Strength, loss, max %                  | 20 max    |
| .2 | Elongation, loss, max %                        | 20 max    |
| .3 | Hardness, Type A Durometer, points change      | 0 to +10  |
| .5 | Oil Swell, ASTM Oil 3, 70 hours at 100°C       |           |
| .1 | Weight Change, max %                           | 45 max    |
| .6 | Ozone Resistance                               |           |
| .1 | 20% Strain, 300 pphm in air, 70 hours at 100°C | No Cracks |
| .7 | Low Temperature Stiffening, 7 days at -10°C    |           |
| .1 | Hardness, type A Durometer, points change      | 0 to +15  |

### **2.2 ACCEPTABLE PRODUCTS:**

- .1 Z-Tech ZT-300 HR Seal or equivalent

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EXPANSION JOINTS NEOPRENE GLANDS

Still Brook, Effies Brook and Halfway Brook,  
and North Aspy River (North) Bridge Rehabilitations  
Cape Breton Highlands National Park, NS  
R.072242.001

Section 07 92 15

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Page 2

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**Part 3**

**EXECUTION**

- .1 Remove existing neoprene strip seal glands without damaging the existing steel expansion joints.
- .2 Install new strip seal glands in one continuous piece as per the Manufacturer's written instructions.

**END OF SECTION**