

Vector™
Galvashield® XP
Project History

**Iowa Department of Transportation
 Prestressed Concrete Beam End Rehabilitation**



Structure: Iowa 192 Viaduct 72
 Prestressed Concrete Beam Ends

Client: Iowa Department
 of Transportation

Location: Council Bluffs,
 Iowa, USA

Date: July 2000

Project Description:

Failed expansion joints on the Iowa 192 Viaduct structure resulted in the direct exposure of harmful chloride ions to several prestressed concrete beam-ends. The long-term exposure had caused severe deterioration, and the beam-ends were at the point where the structural integrity was questionable.

Project Solution:

As part of a large rehabilitation project on the 192 Viaduct, Galvashield XP anode units were incorporated into the prestressed concrete beam-end repairs. The Iowa DOT having recognized the problem of simply carrying out conventional patch repairs and the accelerated corrosion effects felt that the installation of embedded anodes was an economic method of ensuring the quality and longevity of the repairs.

1350 - 2007/Jul/31

Vector Corrosion Technologies Ltd. 474 Dovercourt Drive Winnipeg, MB R3Y 1G4
 Vector Corrosion Technologies, Inc. 2237 Twelve Oaks Way, #103 Wesley Chapel, FL 33544
 Vector products are guaranteed against defects in materials and workmanship, and are sold subject to standard terms and conditions of sale, copies of which may be obtained upon request. While Vector Corrosion Technologies endeavors to ensure the information and recommendations it supplies are accurate, it cannot accept any liability arising from use of its products because it has no control over where and how its products are applied. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. For professional use only; not for sale to or use by the general public.

 **VECTOR
 CORROSION
 TECHNOLOGIES**
www.vector-corrosion.com

Vector is a trademark. The Vector logo is a registered trademark. Galvashield is a registered trademark of Fosroc International Ltd.

CAN: Phone: (204) 489-6300 Fax: (204) 489-6033
 USA: Phone: (813) 860-7566 Fax: (813) 830-7565

Patents: US 6022469, 6303017, 6193857

Printed in Canada

© 2007 Vector Corrosion Technologies

Email: info@vector-corrosion.com