



US Army Corps  
of Engineers ®

## PROJECT INFORMATION SHEET February 2011

**PROJECT:** Duluth-Superior Harbor, MN & WI Corrosion - (I)

**DESCRIPTION:** Steel structures in the Duluth-Superior Harbor are corroding at an accelerated rate. The Corps has been evaluating the structures in the harbor to understand the causes of the corrosion.

**CONGRESSIONAL INTEREST:** Cravaack (MN-8), Duffy (WI-7); Senator Franken (MN), Senator Klobuchar (MN), Senator Johnson (WI), Senator Kohl (WI)

**LOCATION MAP & PICTURE:**



**NON-FEDERAL PROJECT SPONSOR:** N/A

**PROJECT AUTHORITY:** Section 4050 of WRDA 2007

**FUNDING:**

	<u>Total</u>	<u>Federal</u>	<u>Non-Federal</u>
Current Working Estimate:	\$ 1,500,000	\$ 1,500,000	\$ 0
Funds Allocated prior to FY11:	\$ 900,000	\$ 900,000	\$ 0 *
FY11 Energy and Water Allocation:	\$ 0	\$ 0	\$ 0
FY11 GLRI Allocation:	\$ 0	\$ 0	\$ 0
FY12 Budget:	\$ 0	\$ 0	\$ 0
Funds required to complete (>FY12):	\$ 600,000	\$ 600,000	\$ 0

\* Previous funding was added to the District's O&M budget for the Duluth-Superior Harbor. Future funding would be under Investigation (I) funding.

**STAGE:** Feasibility

**STATUS:** The Corps has assembled an expert panel to identify potential causes for the accelerated corrosion. The panel has focused on two areas: 1) determining the causes of corrosion and 2) methods to prevent corrosion. The Naval Research Laboratory and the University of Minnesota-Duluth have been collaborating on the causes of the corrosion and are currently studying a species of bacteria associated with the corrosion. The Corps and the local port community are studying several commercially-available coatings to protect the steel in the harbor. Several studies are ongoing to evaluate their efficacy.

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