



US Army Corps
of Engineers®

One Team—Relevant, Ready, Responsive, Reliable



Locks & Dam 52 2010

Miter Gate Leaf Straightening
&
Cell Repairs



US Army Corps
of Engineers®

One Team—Relevant, Ready, Responsive, Reliable



Locks & Dam 52

ORM 938.9





US Army Corps
of Engineers®

One Team—Relevant, Ready, Responsive, Reliable



Repair Schedule

October 18 – October 28, 2010
12 hour work days, two shifts



US Army Corps
of Engineers®

One Team—Relevant, Ready, Responsive, Reliable



Problems

Lower Middle wall miter gate leaf was twisted 12” out of plumb in 25’ height. Bottom of leaf was hanging out into the chamber to be potentially struck by passing tows.

Leaf was damaged during the process closing the leaves from open river conditions.



US Army Corps
of Engineers®

One Team—Relevant, Ready, Responsive, Reliable



Problems





US Army Corps
of Engineers®

One Team—Relevant, Ready, Responsive, Reliable





US Army Corps
of Engineers®

One Team—Relevant, Ready, Responsive, Reliable



Straightening





US Army Corps
of Engineers®

One Team—Relevant, Ready, Responsive, Reliable



Installation





US Army Corps
of Engineers®

One Team—Relevant, Ready, Responsive, Reliable



Installation

- Gate was set into place and leveled using the anchor arms
- No further tensioning was necessary after hanging the leaf.



US Army Corps
of Engineers®

One Team—Relevant, Ready, Responsive, Reliable



Questions?