



**US ARMY CORPS
OF ENGINEERS**
ST. LOUIS
DISTRICT

Rivers Project Office
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Navigation Notice

River: **UPPER MISSISSIPPI RIVER** Date: **27 February 2013**

Notice No: **PN 13-02** Effective Period: **2 March 2013 forward**

In Reply Refer to: **CEMVS-OD-N** Rivers Project @ 636-899-0044

SPECIAL NOTICE TO NAVIGATION INTERESTS

LOCK 27 MAIN LOCK RE-OPENING UMR MILE 185.5

1. On or about 2 March, the St. Louis District will re-open the main lock chamber at Locks 27 following replacement of the miter gates and embedded metals. All navigation interests are advised to use precaution on northbound approach to the locks in the absence of the downstream protection cell which was removed in December 2012 after failure. Additionally, the downstream long wall mooring hooks/pins, located at (from the DS miter gates) 125', 300', 450', and 550' are not adequate for checking or driving against while flattening a tow; they are designed to moor a waiting tow already against the wall. Some of the pins have already failed.
2. For certain conditions (wind, ice, drift...etc.) the District may issue additional guidance.
3. Following are critical Northbound approach dimensions:
 - a. From the main lock downstream miter gates to the end of the long (east) guidewall is 690 ft. (measured from miter gate pintle to DS face of guidewall)
 - b. From the main lock downstream miter gates to the end of the I-wall (shortwall) bullnose is 83 ft (measured from miter gate pintle to DS face of I-wall bullnose)
 - c. From the main lock downstream miter gates to the downstream bulkhead slots is 62 ft (measured from miter gate pintle to DS face of the slot) The curvature of the bullnose starts at the UPSTREAM face of the bulkhead slots.
4. All navigation interest should be alert for, and abide by, any special instructions that may be issued by the Lockmaster.

FOR THE DISTRICT ENGINEER:

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Andrew C. Schimpf, P.E.
Rivers Project Manager