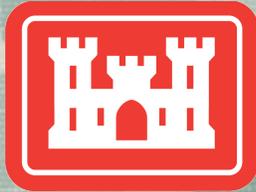


Lock 22 – Dewatering and Miter Gate Install

11 February 2015

Aaron D. Dunlop, P.E.

Chief, Maintenance Section



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US Army Corps of Engineers
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Sill Beam Install

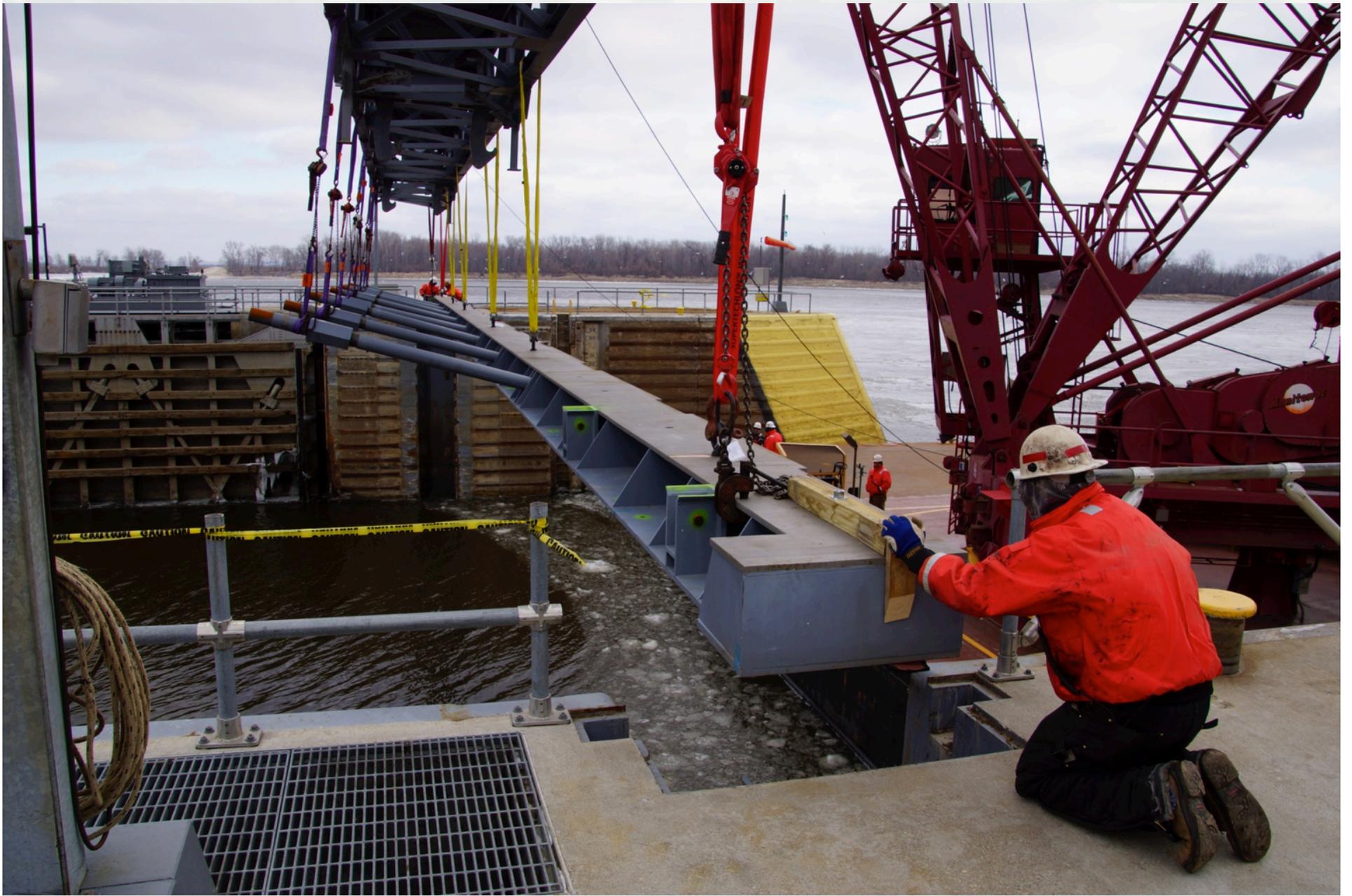
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TLC200 2014/01/11 11:40:16



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Closure Begins – 10 Days of Below Zero

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US Bulkhead Install

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TLC200 2014/01/12 10:11:45



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Dewatering Pump Installation

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Sealing Bulkheads – Cinders and Gravel

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Major Tasks: Sill Beam Concrete, Bubbler Install, Cross Over Install, US Concrete Pedestals, MG Adjustment / Seals, Debris Clean Up / Removal, Tainter Valve Cables



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Meanwhile On The ILWW



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Adjusting / Leveling Miter Gates

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Sill Beam Prep / Rebar / Concrete

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Bubbler System Fabrication and Install

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Bubbler System Crossover and Screen

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US Concrete Pedestals

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US Bubbler Crossover and Screen

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Debris and Material Removal

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Tainter Valve Inspection

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Tainter Valve Cable Replacement

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Miter Gate Adjustment and Seal Adjustment

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Site Visitors

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Project Summary

- Project Duration: 4 Months On Site
- Lock Closure: 2 Months
- Approx. Material Cost: \$300K
- Approx. Plant Cost: \$1M
- Approx. Labor Cost: \$1.5M
- Approx. Project Cost: \$2.8M
- Average Onsite Personnel:
 - 30 Maintenance Personnel
 - 15 LD Personnel
- Work Schedule: 7 x (10-12 hour days) x 2 months



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