

ILLINOIS WATERWAY CONSOLIDATED CLOSURES

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16 NOV 2018



US Army Corps
of Engineers®



LAGRANGE MAJOR REHAB / MAJOR MAINTENANCE (MR/MM)



Major Scope Items:

○ Horizontal and Vertical Concrete:

- Precast concrete panels
- Integrated wall armor
- Utility trench replacement
- Protective concrete piers

○ Mechanical Systems:

- Hydraulic power units
- Miter gate rotary actuators
- Tainter valve submersible cylinders
- Bubbler system replacement

○ Electrical Systems:

- Programmable Logical Controllers (PLCs)
- Fiber optic data system
- New generators



*20' failed section of the lock chamber wall
(13 APR 2018)*



*Unsafe conditions for both lock workers
and the Navigation Industry*



LAGRANGE MR/MM

Timeline:

○ FY 2014

- Award of miter gate fabrication contract

○ FY 2016:

- Bulkhead recess design and award
- Start of MR/MM Design

○ FY 2017:

- Delivery of miter gates to Illinois Waterway
- Bulkhead recess construction
- Continuation of design

○ FY 2018:

- Installation of miter gates APR 2018
- Design complete APR 2018
- **Anticipated award by end of 2018**

○ FY 2019:

- Start construction
- Mobilization, fabrications & I-wall work

○ FY 2020:

- Lock closure and dewatering
- Lock chamber work, landwall work

○ FY 2021:

- Project completion

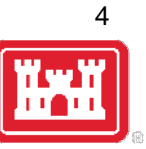


LaGrange and the 2020 IWW Consolidated Closures:

- Single largest effort in terms of coordinating with industry as well as resource allocation
- Construction at LaGrange is the driving factor for closure dates



ILLINOIS WATERWAY (IWW) CONSOLIDATED CLOSURES



updated 23 JUL 2018

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR			
	<u>Q4CY18</u>	<u>Q1CY19</u>	<u>Q2CY19</u>	<u>Q3CY19</u>	<u>Q4CY19</u>	<u>Q1CY20</u>	<u>Q2CY20</u>	<u>Q3CY20</u>	<u>Q4CY20</u>	<u>Q1CY21</u>	<u>Q1FY19</u>	<u>Q2FY19</u>	<u>Q3FY19</u>	<u>Q4FY19</u>	<u>Q1FY20</u>	<u>Q2FY20</u>	<u>Q3FY20</u>	<u>Q4FY20</u>	<u>Q1FY21</u>	<u>Q2FY21</u>													
Location																																	
Brandon Road																		75	15	30													
Dresden Island																		75	15	30													
Marseilles														75	15	30										90-120							
Starved Rock														75	15	30										120							
Peoria																			60														
LaGrange																			120														

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
	<u>Q2CY21</u>	<u>Q3CY21</u>	<u>Q4CY21</u>	<u>Q1CY22</u>	<u>Q2CY22</u>	<u>Q3CY22</u>	<u>Q4CY22</u>	<u>Q1CY23</u>	<u>Q2CY23</u>	<u>Q3CY23</u>	<u>Q3FY21</u>	<u>Q4FY21</u>	<u>Q1FY22</u>	<u>Q2FY22</u>	<u>Q3FY22</u>	<u>Q4FY22</u>	<u>Q1FY23</u>	<u>Q2FY23</u>	<u>Q3FY23</u>	<u>Q4FY23</u>													
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Legend:

Open	No planned impedance to traffic; unscheduled delays possible.
Partial Closure	Closed during the day (typically 8-10 hours), and pass traffic at night. Typically partial closures also include width/length restrictions.
Full Closure	Lock closed; no ability to pass traffic.