

# 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*

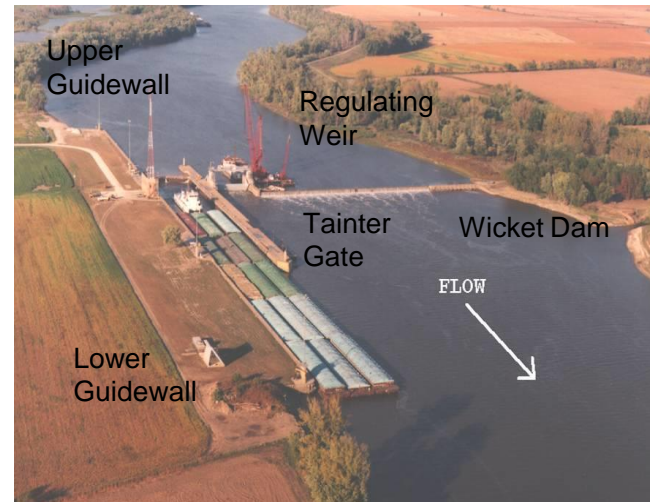


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## LAGRANGE MAJOR REHAB / MAJOR MAINTENANCE (MR/MM)

- Construction new start and continuing contract approved
- Construction/IWTF \$10.0M + O&M \$15.1M to award the LaGrange MR/MM contract in FY18
- Current estimate is \$40.75M Fed and \$25.85M non-Fed/IWTF remaining



### Work Completed:

- Upper and Lower Gates delivered to Illinois Waterway CY 2017, installation APR 2018
- Lower Bulkhead Recesses completed in FY 2017; bulkheads stored at Illinois Waterway Project Office and ready for lock dewatering

Estimated Federal Cost	\$60,850,000
Estimated IWTF Cost	\$30,850,000
Estimated Total Project Cost	\$91,700,000



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## 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 FY 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



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# ILLINOIS WATERWAY (IWW) CONSOLIDATED CLOSURES

	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>																				
Location	<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>																				
Brandon Road																							75	15	30					
Dresden Island																							75	15	30					
Marseilles																							90-120							
Starved Rock																							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>																				
Location	<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.