

Kentuckians for Better Transportation Conference

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Louisville District
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"The views, opinions and findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."



US Army Corps
of Engineers.



U.S. ARMY

TRANSPORTATION: A SYSTEM OF SYSTEMS

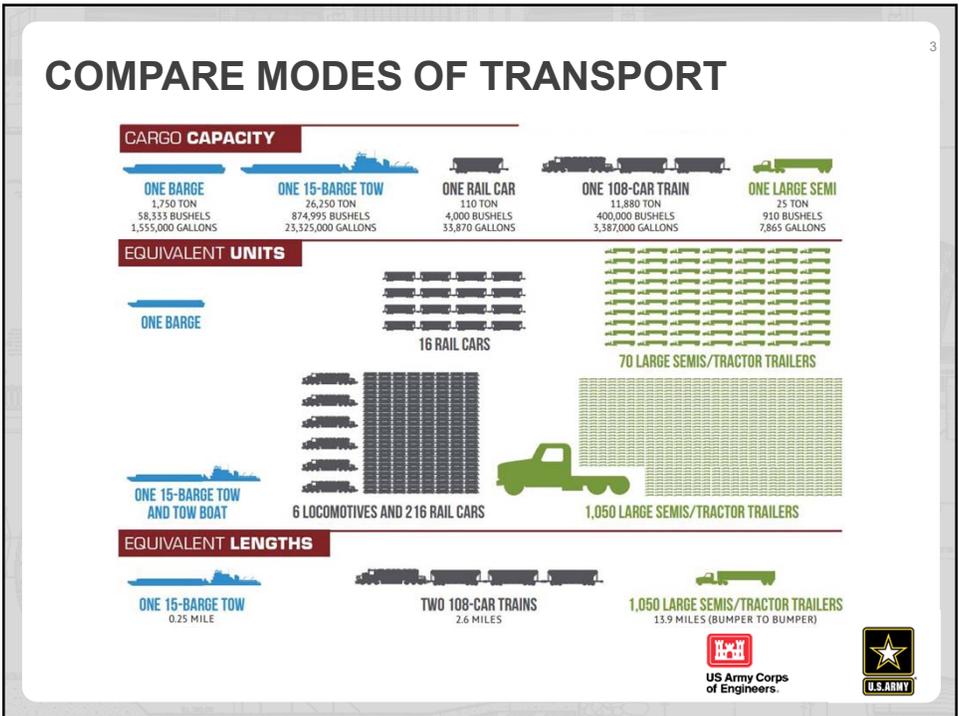
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LOCKS AND DAMS 52 & 53

- Constructed in 1928 & 1929 with a 50-year design life
- Approaching 40 years past their design life
- Wicket dam in active state of failure – losing more wickets every time we raise/lower the dam
- Several closures throughout the fall and winter due to deteriorating conditions










OLMSTED PROJECT OVERVIEW - STATUS

Fixed Weir

Locks & Approach Walls

Left Boat Abutment
 -All cast-in-place concrete (thru LFR 19) completed 10 Nov
 -Bracing block outs (LFR 20) scheduled for Low Water Season 2018

Navigation Pass
 -NP-12A (last shell) set 28 Dec (stretch goal) and tremied 10 Jan

Jainter Gates
 -Installation of all gates complete
 -Commissioning/proof testing underway

Maintenance & Lock Master's Building
 -NTP issued 10 Feb 2017
 -Scheduled completion 06 May 2018

Resident Engineers Office

Dam Access Road

River Dikes
 -Scheduled award Nos. 5 - 7 (D/S Kentucky) 2nd QTR FY18
 -Scheduled award Nos. 8 - 13 (U/S Illinois) 4th QTR FY18

Wicket Lifter
 -Wicket Lifter arrives Olmsted 14 Feb 2018

Completed

Under Contract

Future

OLMSTED DAMMING SURFACE COMPLETE

SHELL SETTING ISOMETRIC

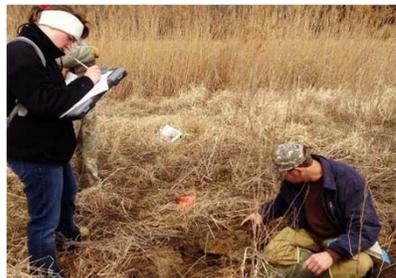
RIVER BARGE PLACEMENTS		CAT BARGE PLACEMENTS	
SHELL	WEIGHT (TONS)	SHELL	WEIGHT (TONS)

SETTING SEASON	SETTING SEQUENCE
2017	NP15, NP12B, LSA (CF), RBA-2/3, TW-1A/B, BS, BS, TW-5A/B
2018	NP10A

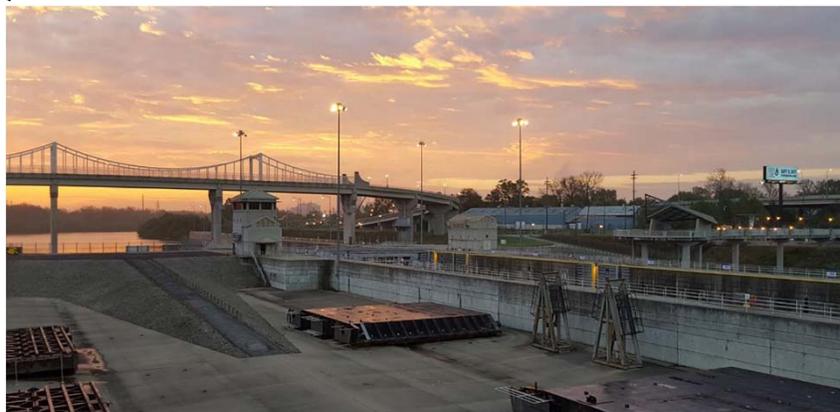
JANTIER GATE	BANG GATE	SEALS	CYLINDERS
1	2014	2015	2015
2	2015	2016	2016
3	2016	2016	2016
4	2016	2017	2017
5	2017	2017	2017

REGULATORY PROGRAM

- Approximately 1200 permits/year issued from Louisville District
- Section 404 of the Clean Water Act: Protection of wetlands, streams, and rivers
- Section 10 of the Rivers and Harbors Act: Prohibits alteration of navigable waters without a permit



QUESTIONS/DISCUSSION



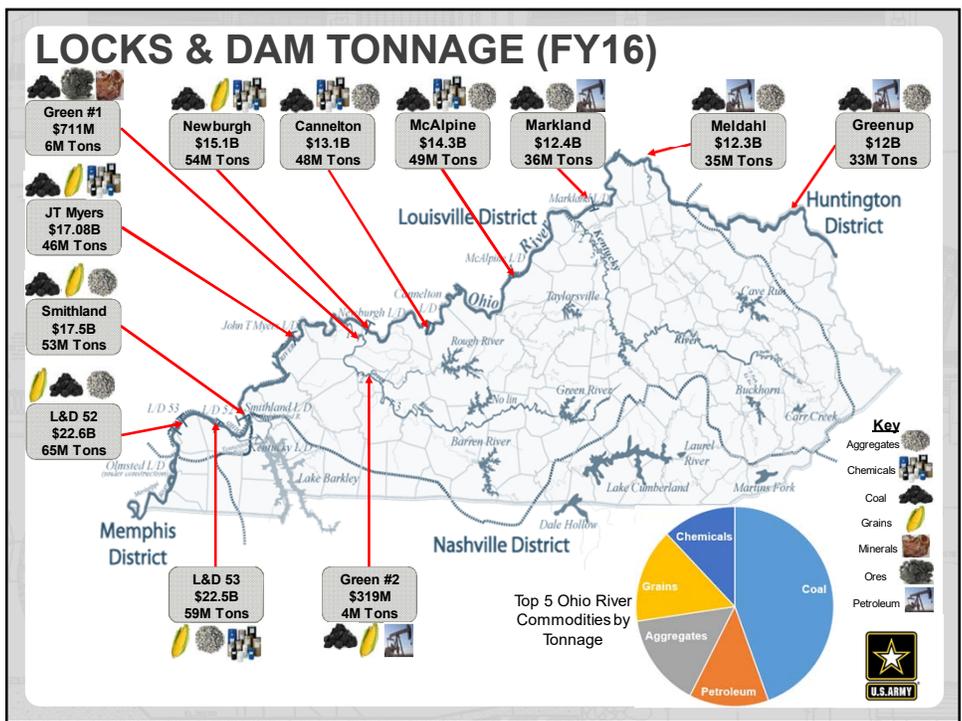
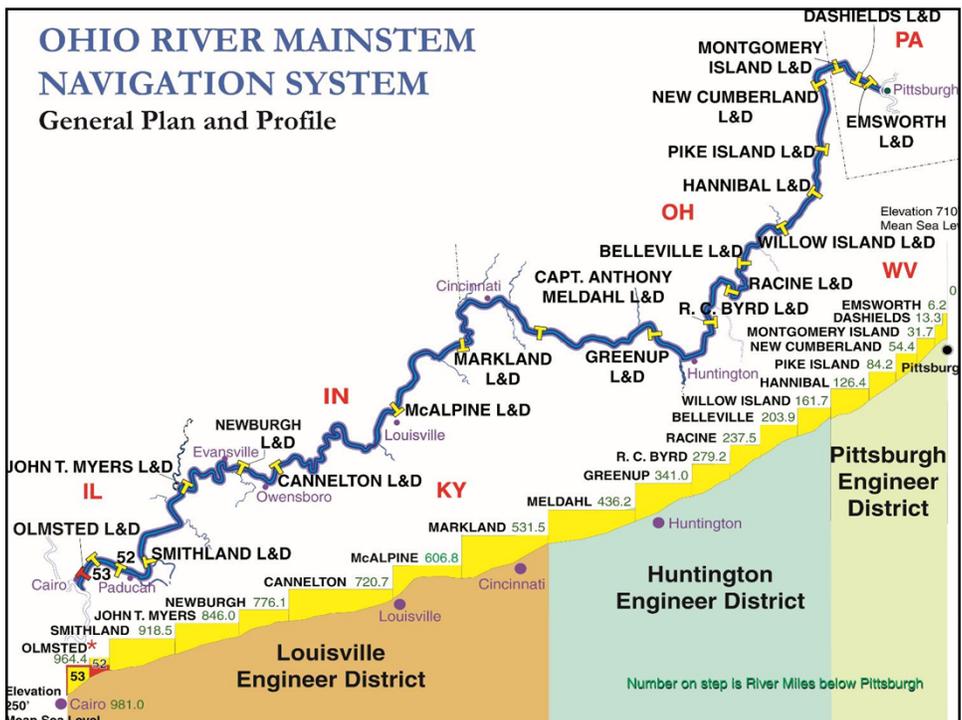
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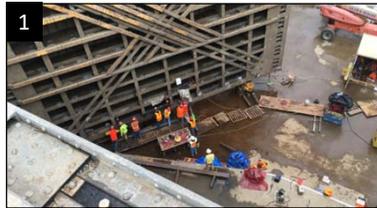
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OLMSTED STATUS PHOTOS

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Miter Gate 6 Repairs



Wicket Lifter "Keen"



Navigable Pass 12A (NP-12A)



Left Boat Abutment (LBA)



Maintenance Box Test Fit

