

KENTUCKY LOCK ADDITION PROJECT UPDATE

INLAND WATERWAYS INDUSTRY DAY MEETING

Robert Winters
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Nashville District
Great Lakes and Ohio River Division
15 December 2021

*World-Class Delivery...
Real-World Impact!*

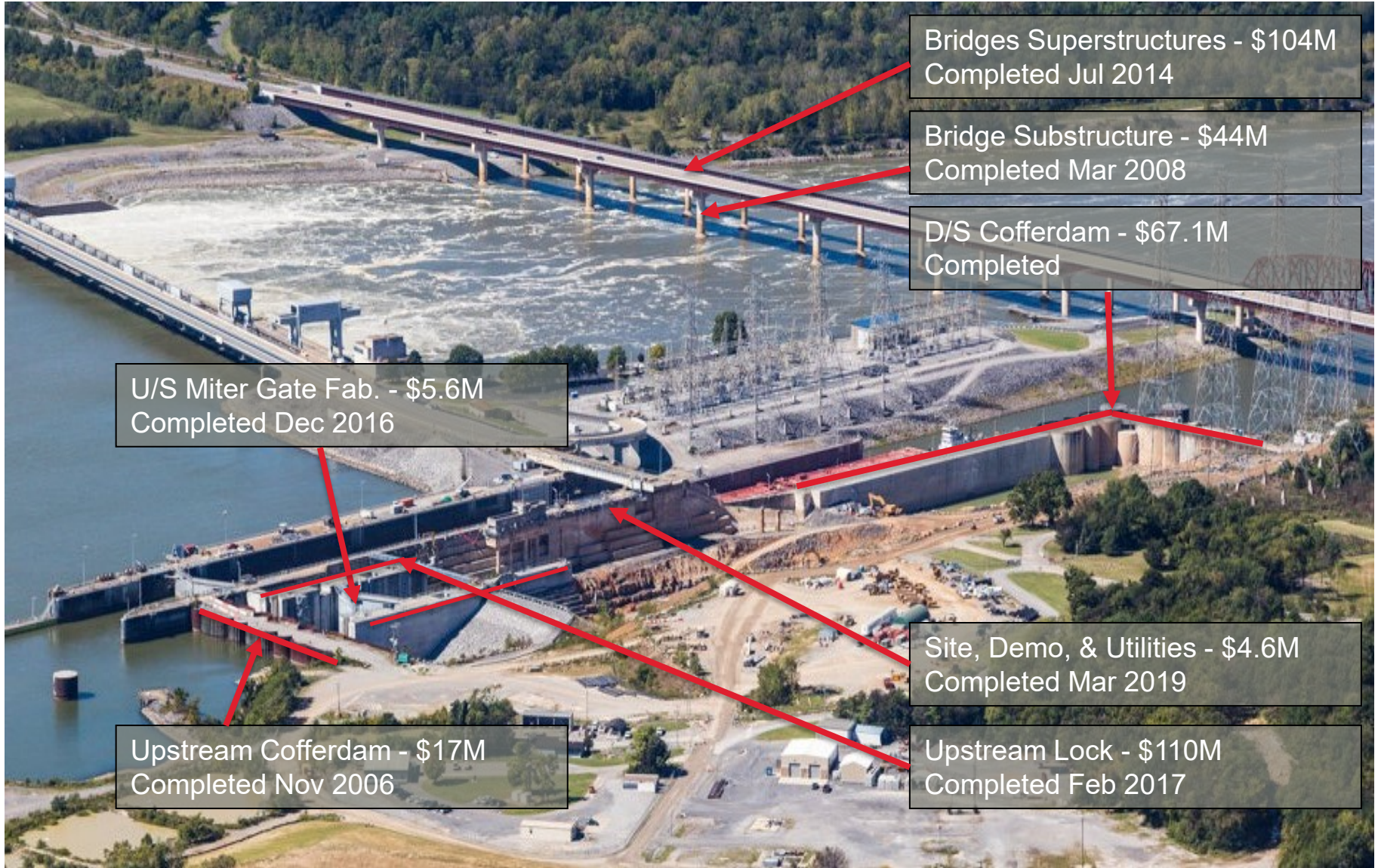


US Army Corps
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MAJOR FEATURES COMPLETED TO DATE



Bridges Superstructures - \$104M
Completed Jul 2014

Bridge Substructure - \$44M
Completed Mar 2008

D/S Cofferdam - \$67.1M
Completed

U/S Miter Gate Fab. - \$5.6M
Completed Dec 2016

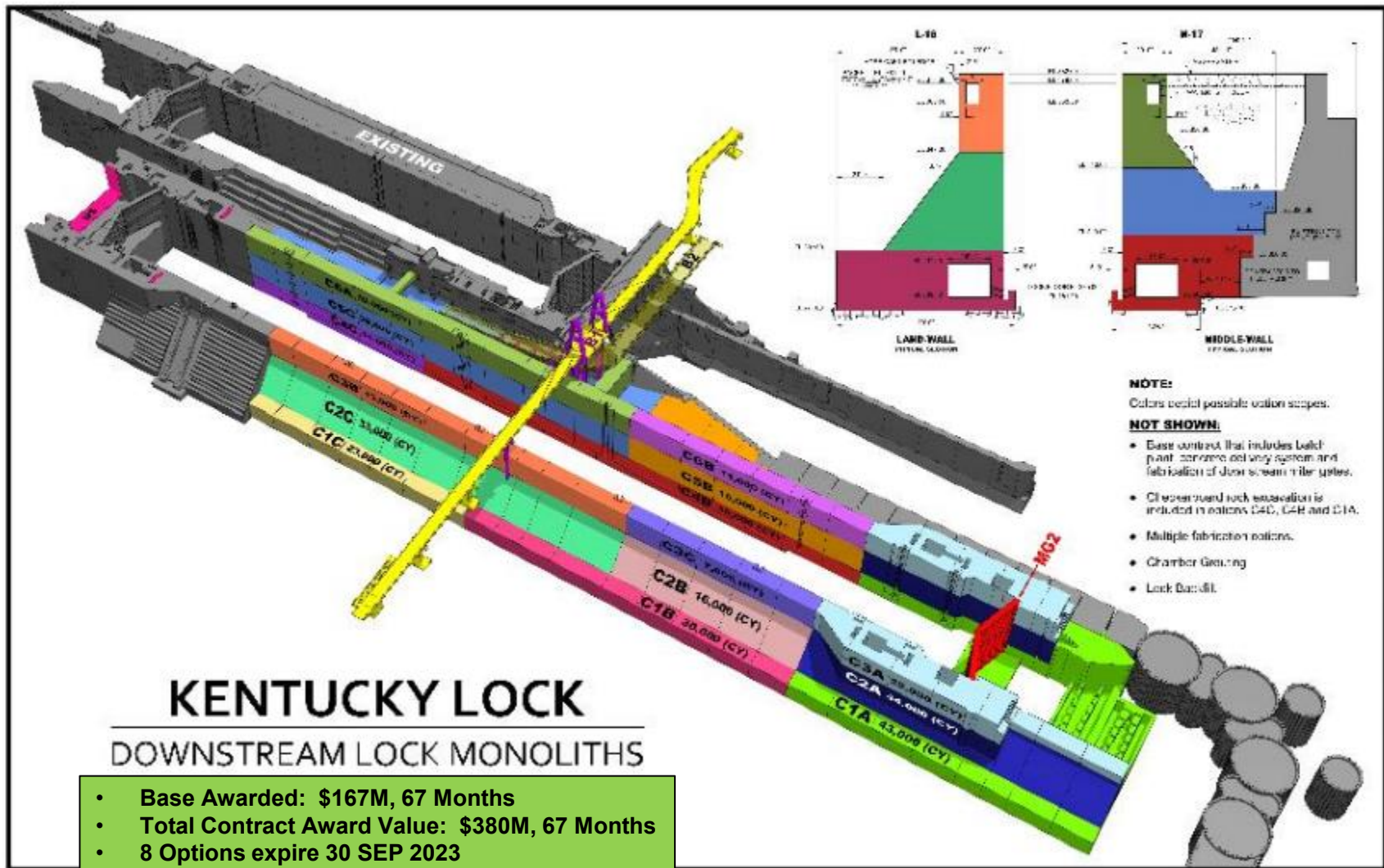
Site, Demo, & Utilities - \$4.6M
Completed Mar 2019

Upstream Cofferdam - \$17M
Completed Nov 2006

Upstream Lock - \$110M
Completed Feb 2017



SCHEDULE- PLANNED WORK FOR FY22



- Base Awarded: \$167M, 67 Months
- Total Contract Award Value: \$380M, 67 Months
- 8 Options expire 30 SEP 2023
- FY22 Options Efficient Funding: #8, 1, 3, 4
- FY23 Options Efficient Funding: #2, 5, 6, 7



COST/FUNDING OVERVIEW



KENTUCKY LOCKS & DAM, TENNESSEE RIVER, KY

	ARRA	CG	IWTF	Total
Total Project Cost (TPC):				\$1,229,328,000 ¹
Allocations through FY 2016:	\$88,833,626	\$211,381,288	\$171,660,987	\$471,875,901
FY17 Allocation:	0	\$18,000,000	\$18,000,000	\$36,000,000
FY18 Allocation:	0	\$20,600,000	\$20,600,000	\$41,200,000
FY19 Allocation:	0	\$21,800,000	\$21,800,000	\$43,600,000
FY20 Allocation:	0	\$30,530,000	\$30,530,000	\$61,060,000
FY21 Allocation:	0	\$71,565,000	\$38,535,000	\$110,100,000
Total Allocations to Date:	\$88,833,626	\$373,876,288	\$301,125,987	\$763,835,901
Remaining TPC Balance:				\$465,492,099
Remaining Balance Change From Last Meeting				(\$5,226,000)

Notes: ¹Project cost data is reflective of price level update (OCT 20 \$'s), Fully Funded.

Efficient Funding Profile:

DATE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY2025	Total
Jan-21 ¹	\$61.1M	\$110.1M	\$162.70	\$138.5M	\$131.50	\$38.0M	\$641.9M

Notes: ¹Efficient Funding Profile unchanged from last meeting. An updated/certified TPCS will be completed in January 2022



KENTUCKY LOCK SUMMARY AND CHALLENGES



Summary:

- **Lock Excavation** is approximately 79% complete.
 - All rock anchoring, grout curtain, and pipe pile activities are complete. The rock excavation and blasting continue and the dewatering from behind the downstream cofferdam continues.
- **Lock Monolith** was awarded 30 Sep 2021.
 - Notice To Proceed was issued on 15 Nov 2021.
 - Partnering meeting is scheduled for Late January.

Challenges:

The Corps is conducting a total Project Cost & Schedule (TPCS) update this FY that will incorporate the previous highwater impacts and new lock contract award and FY22 funding. Team working to mitigate previous high water impacts experienced.

Potential for Down Stream high water overtopping the cofferdam and unknown Karst features located inside the excavation area.



THANK YOU



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