

# Chickamauga Lock Update Inland Waterways Users Board Meeting #85

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# Chickamauga Lock Replacement BLUF

## ▪ Bottom Line Up Front

- Lock Excavation contract is progressing; remaining contract options were exercised in July 2017. Rock blasting activities began with the initial test blast on 13 Oct 2017.
- Lock Chamber contract was awarded on 28 Sept 2017 for \$240M (total amount of base and 13 options). Base contract awarded in FY17; will begin exercising Lock Chamber options with FY18 funding.
- District is developing a Post Authorization Change Report (PACR) due to certified total project cost estimate of \$760M (FY18 Price Level with 2024 completion) exceeding the current authorized 902 limit of \$482M.

# CHICKAMAUGA LOCK REPLACEMENT PROJECT OVERVIEW



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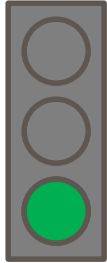




1. 29 Aug 2017 - Overview of Lock Excavation site; 2. Installing rock anchor plastic sheathing; 3. Completed rock anchor support block with rock anchor installed.

# Chickamauga Lock Project

## Time and Cost Scorecard



### Expenditures

30 Sep

Planned (BCWS)	\$199.8M
Earned (BCWP)	\$199.2M
Actual (ACWP)	\$199.3M

**BCWP:** Reports the value (based on % complete) of the work performed to date.

**Target:**

Actual as compared to Planned: (<1% = Green) (>1%and <3% = Yellow) and (>3% = Red)

### Schedule

30 Sep

(Baseline)/(Current)

Project Complete	May 2028 / Jun 2024
Lock Operational	Nov 2027 / Dec 2023

**Measures:** Planned project completion and Lock operational dates

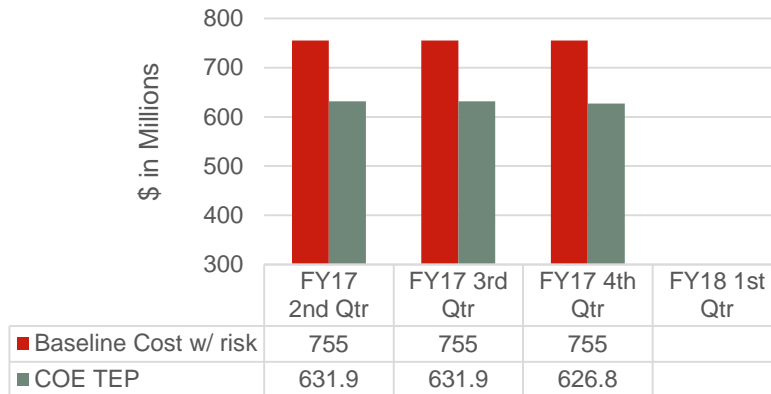
**Target:**

PACR Anticipated in FY18.



### Budget

Chickamauga Project TEP Trend



### Major Activity Schedule

Activity	Baseline	Current
Lock Excavation – Begin Rock Blasting	11 Oct 2017	13 Oct 2017 (A)
Lock Excavation – Begin Secant Pile Wall	11 Nov 2017	11 Nov 2017
Lock Chamber – Pre-Construction Meeting	2 Nov 2017	2 Nov 2017

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# Chickamauga Lock Project Schedule

Major Feature Construction	Award	Complete	Revised
Lock Excavation Construction	Sep 2016	Nov 2018	Completion date
Lock Chamber	Sep 2017	Dec 2023	
Site Work and Decommission Existing Lock	Sep 2020	Jun 2024	
Approach Walls Construction	Sep 2021	Dec 2023	
PACR for 902 Exceedance <sup>1</sup>	Oct 2016	~ June 2018	

<sup>1</sup> 902 Exceedance expected by FY2020 with efficient funding.

# Chickamauga Lock Summary and Challenges

- Anticipate beginning to exercise Lock Chamber options with FY18 funding.
- Project developing Post Authorization Change Report (PACR) due to current cost estimate exceeding the current authorized 902 limit.