

UPPER OHIO NAVIGATION PROJECT

INLAND WATERWAYS USERS BOARD MEETING NO. 104

Steve Fritz, PE, PMP
U.S. Army Corps of Engineers
Pittsburgh District
13 December 2024

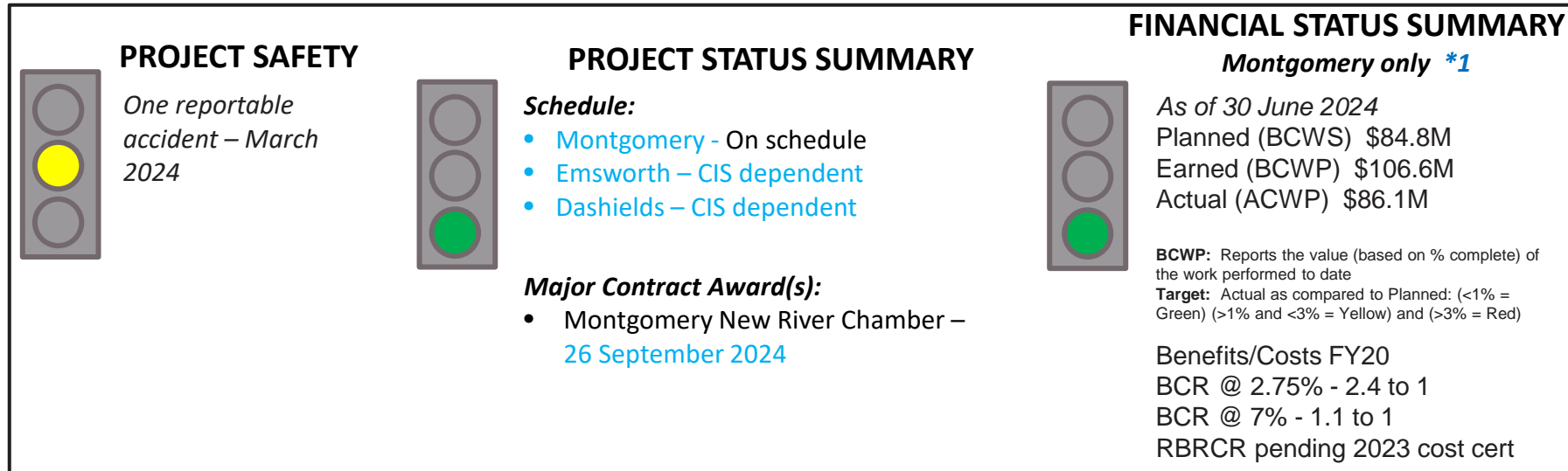


U.S. ARMY



US Army Corps
of Engineers

UPPER OHIO PROJECT - BLUF STATUS - SUMMARY DASHBOARD



EXECUTIVE SUMMARY:

- New Montgomery lock contract - Awarded Base and Option #6 on 26 September
- Overall project schedule to be informed by the Capital Investment Strategy (CIS) and Annual Appropriations
- Project Economics scheduled for update in 2025

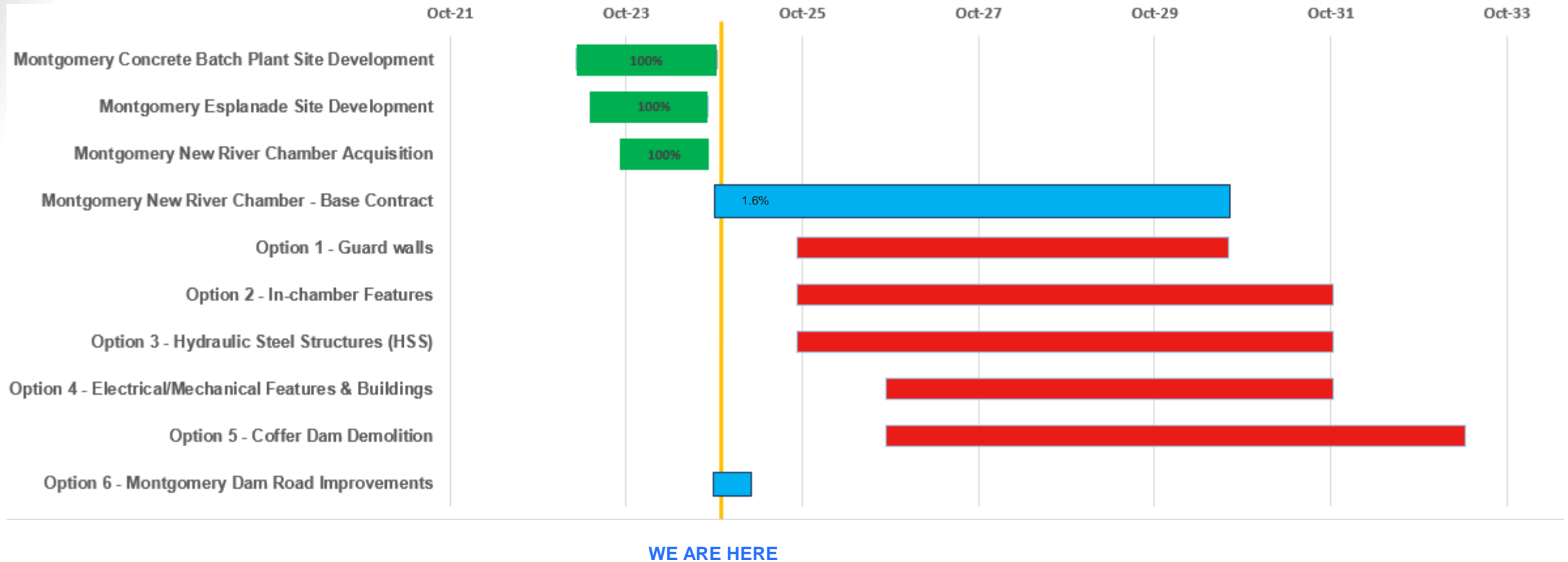
*1 The EVM metrics will be updated when the Montgomery cost is recertified.



U.S. ARMY



UPPER OHIO NAVIGATION PROJECT – SCHEDULE/FUNDING



Schedule comments:

- Blue is fully funded
- Yellow is partially funded
- Red is unfunded work
- Emsworth and Dashields dates are dependent on the CIS and funding and are not locked in, therefore, not shown on this graphic



U.S. ARMY

UPPER OHIO – OVERALL PROJECT FUNDING SUMMARY

4



| Allocations: | GI-PED (\$M) | CG (\$M) | IWTF (\$M) | BIL (\$M) | Total (\$M) |
|------------------------|--------------|----------|------------|------------|-------------|
| Prior to FY 22 | \$18.08 | \$14.30 | \$7.70 | | \$40.08 |
| FY 22 | | \$1.99 | \$10.81 | \$934.71 | \$947.51 |
| FY 23 | | | | | |
| FY 24 | | | | \$68.39 | \$68.39 |
| Total to Date: | \$18.08 | \$16.29 | \$18.51 | \$1,003.10 | \$1,055.98 |
| Remaining TPC Balance: | | | | | \$4,631.61 |

| | | |
|--------------------------|------------|---------------|
| Total Project Cost (TPC) | \$5,687.58 | December 2023 |
| Authorized Cost: | \$3,146.12 | August 2016 |
| Escalated Cost: | \$5,119.77 | December 2023 |
| 902 Limit: | \$5,658.09 | December 2023 |

Commentary:

- Montgomery cost update - early CY2025
- Overall project Economic update - 2025
- FY24 BIL funding – Office of Management and Budget (OMB) provided an additional \$68.39M from previously unallocated BIL funding



U.S. ARMY

UPPER OHIO – MONTGOMERY LOCK FUNDING AND KEY ACTIVITIES



| Allocations: | GI-PED (\$M) | CG (\$M) | IWTF (\$M) | BIL (\$M) | Total (\$M) |
|------------------------|--------------|---------------|----------------|-----------------|--------------------|
| Prior to FY 22 | \$18.08 | \$14.30 | \$7.70 | | \$40.08 |
| FY 22 | | \$1.99 | \$10.81 | \$857.71 | \$870.51 |
| FY 23 | | | | | |
| FY 24 | | | | \$103.39 | \$103.39 |
| Total to Date: | \$18.08 | \$16.29 | \$18.51 | \$961.10 | \$1,013.98 |
| Remaining TPC Balance: | | | | | \$675.00 *1 |

| | | |
|--------------------|--|---------------|
| Total Project Cost | \$1,688.97 | December 2023 |
| Authorized Cost: | Not specific for Montgomery Lock. Upper Ohio Navigation Project carries these at the | |
| Escalated Cost: | | |
| 902 Limit: | | |

Commentary:

- FY24 BIL Allocations – OMB adjustments to support Montgomery Lock contract award
 - \$35M moved from Emsworth to Montgomery
 - \$68.39M moved from previously unallocated BIL funding
- Montgomery New River Chamber contract – Awarded 26 September; Notice to Proceed on 23 October 2024
- Montgomery Esplanade Site Development contract – construction complete; September 2024
- Montgomery Concrete Batch Plant Site Development contract – construction complete; November 2024

Montgomery Fiscal Year Funding Scenario Breakout (Millions):

| | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | TOTAL |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------|
| Efficient ² | \$205 | \$280*1 | \$190*1 | | | | | | | | \$675 ¹ |
| Capability | | \$675*1 | | | | | | | | | \$675 ¹ |

*1 Total Project Cost will be updated in 2025 to incorporate the Montgomery New River Chamber award contract amount.

MONTGOMERY LOCK DETAILS – ISSUES/CHALLENGES

- **Challenge:** Facility failure prior to completion
 - **Mitigation Strategies:**
 1. Continue to report on construction capability funding to recapitalize as soon as possible
 2. Completed maintenance repairs prior to construction
 3. Conducting routine inspections during construction
 4. Continuing maintenance during construction as needed

MONTGOMERY LOCK – CONSTRUCTION IMAGES



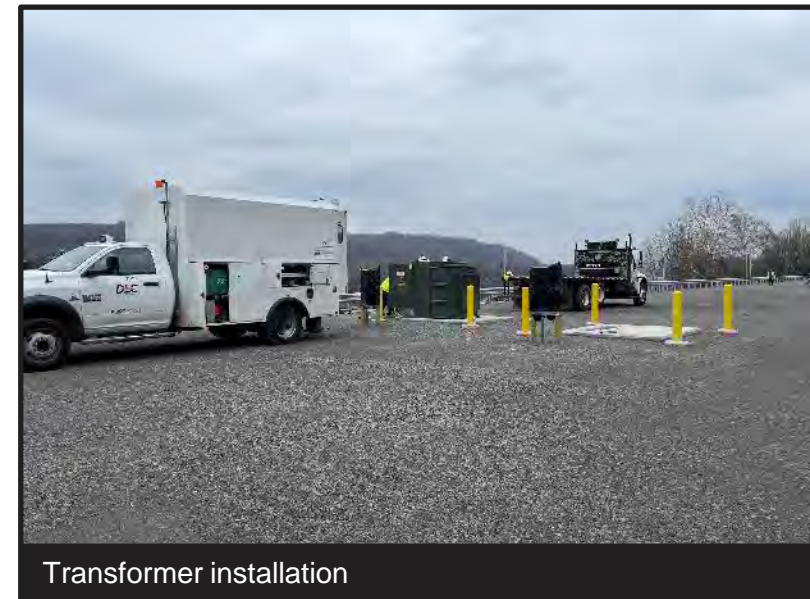
Concrete batch plant site development – Grading



Three phase power installation



Esplanade site development – Resident Engineer Office



Transformer installation



U.S. ARMY

MONTGOMERY LOCK – LOOK AHEAD



- **Construction**

- Working primary submittals
 - Quality Control, Safety, and Environmental Protection Plans
 - Construction Schedule
- Partnering
 - Pre-construction meeting held 5 November 2024
 - Formal partnering meeting schedule for Spring of 2025
- Mobilization
 - Winter of 2024/2025
 - Construction scheduled to start spring 2025
- What work could be seen starting in the next 6-12 months
 - Mobilization of field offices & utility hookups
 - Concrete batch plant setup
 - Excavation/dredging
 - Roadway improvements



U.S. ARMY

SUMMARY OF EMSWORTH AND DASHIELDS



- **Emsworth** - \$77M in BIL funds originally received
 - \$35M BIL funds transferred to Montgomery
 - \$42M BIL funds remaining.
 - ~\$14 M invested to date
 - Stop design effort at 60%
 - Continuing with specific efforts
 - Real estate acquisition
 - Physical and numerical modeling
- **Dashields**
 - No significant work has been started



U.S. ARMY

Steve Fritz, PE, PMP

Steve.fritz@usace.army.mil

QUESTIONS?

10



Batch Plant Site Development – Retaining Wall and roadway



Esplanade Site Development - Grinder Pump Delivery