



- The CIS is a statutory requirement to develop a 20-year capital investment strategy for the inland and intracoastal, fuel taxed waterways.
- The CIS is a *planning framework* and *informs* the normal budget process. It does not represent a commitment to budget the amounts shown in the scenarios.
- Section 302(d) of WRDA 1986, as amended requires "coordination with the Users Board" in developing the CIS. USACE will collaborate with industry stakeholders to the maximum possible extent within the provisions of the Federal Advisory Committee Act requirements.
- Ultimately, the criteria, processes, procedures, and results in the CIS reflect the judgment of OMB, Army, USACE, and IW Users Board.

WHAT'S CHANGED SINCE 2020 CIS

- BIL \$2.5B ... cost escalation.
- WRDA legislation
 - Cost share change to 65% General Treasury / 35% IWTF
 - Brazos Floodgates & Colorado River Locks authorized for construction
- Construction New Starts
 - Upper Ohio (FY21 work plan)
 - NESP (FY22 BIL)
 - MKARNS Three Rivers (FY22)
 - TJ O'Brien (FY22 BIL)

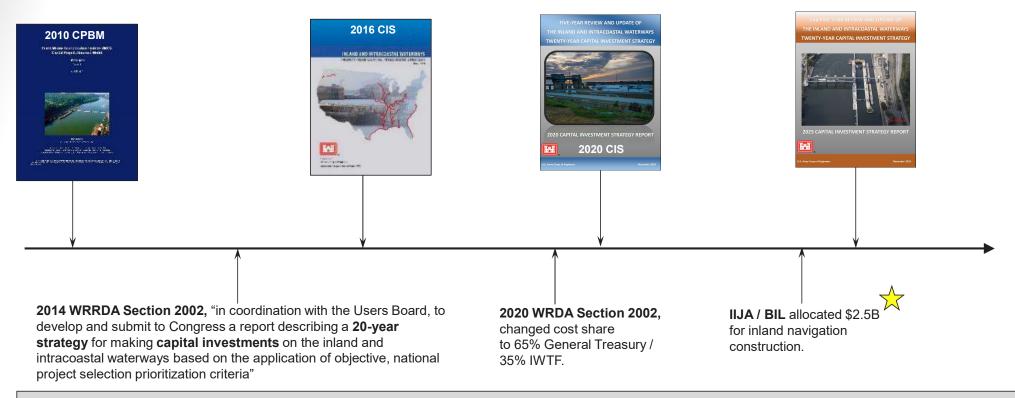


2010 Capital Project Business Model Report was in response *cost escalation* & *funding challenges.* Goals were to "identify ways to improve the Corps business model" & "developing an investment strategy". 2016 CIS 1st Capital Investment Strategy Report was drafted in May 2015 & cleared by OMB in March 2016

2020 CIS 2nd Capital Investment Strategy 5-vr Review & Update of 2016 Report.

S-yr Review & Opdate of 2016 Report. Report transmitted the report to Congress in January 2021.

2025 CIS 3rd Capital Investment Strategy 5-yr Review & Update of 2020 Report. Target completion in spring 2025.



Prior reports available on IWR IWUB site at https://www.iwr.usace.army.mil/Missions/Navigation/Inland-Waterways-Users-Board/About-the-IWUB/



PRIMARY OUTCOMES OF CIS 2020

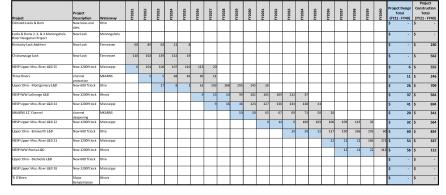
Filtered projects filtered into 4 categories:

Category	Description
1	Ongoing Construction
2	Authorized & Awaiting Construction Start
3	Ongoing studies
4	Future Potential Projects

- Developed 3 funding scenarios
 - Baseline base program (50%/50% cost share)
 - Enhanced annual program of \$400m/year
 - Maximized complete all projects in 10-years



The 2020 CIS was well received and provides a strong starting point for 2025 report



Baseline Scenario from FY 2021 - FY 2040

- Impact:
 - Aligned stakeholders behind common message when lobbying Congress
 - IIJA / BIL referenced 2020 CIS for allocation of \$2.5B
 - USDA references CIS in multiple documents

WHAT WILL WE DO FOR CIS 2025 UPDATE

- Time Horizon: 2025 2044.
- Incorporate WRDA legislation changes (cost share changes 65%/35%)
- Refine Categories to Reflect Current Environment:
 - Category 1: From Ongoing Construction to (1a) Active construction and (1b) Active Design
 - Category 2: From <u>Authorized & Awaiting Construction Start</u> to <u>Project authorized for construction &</u> <u>awaiting design funding</u>
 - Category 3: from <u>Ongoing Studies</u> to (<u>3a</u>) <u>Ongoing studies & re-evaluations and (3b</u>) <u>Ongoing major</u> rehab reports
 - Category 4: <u>Future Studies</u> to <u>Future Work</u>
- Looking to the Future: Focus on identifying recapitalization of existing infrastructure and capacity expansion to prepare for future inland navigation.
- CIS is external communication 'document of record' for Inland Navigation project funding & schedule with Congress, IWUB, and stakeholders



Key dates:

- May 2024 Incorporating FY24 Workplan & IWUB comments and drafting report
- Late June 2024 Draft report review
- Mid July 2024 USACE Sr. Leader IPR
- July/August 2024 Briefing at IWUB Meeting
- August 2024 Incorporate IWUB comments and finalize report
- September 2024 Coordinate report with ASA(CW)

* Schedule does not include regular & reoccurring working meetings.

KEY TENETS/ASSUMPTIONS

- The 2025 CIS objective is to fund projects to completion as soon as possible in order to minimize cost growth & expedite construction completion.
 - <u>Driver:</u> Deliver *benefits* as soon as possible.
 - Concept is to efficiently fund ongoing construction while seeking opportunities to start new construction if it can be efficiently funded.
- <u>Goal</u>: Lock construction completed in 8-years or less.
 - A project will not start design work until 3 5 years before planned construction start.
 - Split design & construction into separate 'phases' with separate investment decisions.
- In all scenarios, projects must have certified cost estimates within last two years (policy compliant).
- Seek geographic distribution of projects in compliance with WRRDA 2014.

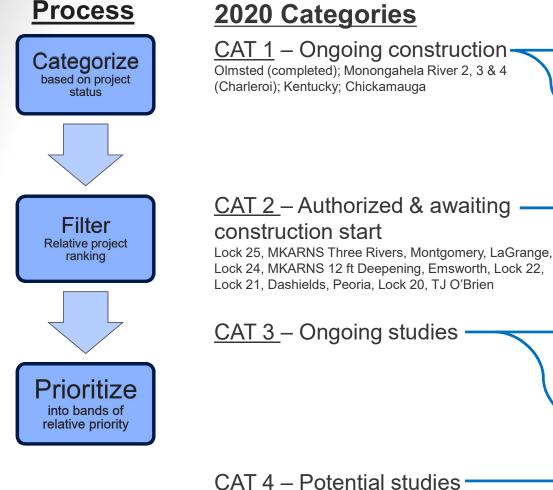
KEY TENETS/ASSUMPTIONS CONTINUED

- Inflation assumed to be 4.2% per year (20-year average CWCCIS rate).
- FY24 appropriations *funded to completion* Chickamauga, Lower Mon 2, 3 & 4, & MKARNS Three Rivers
- FY25 funding assumptions: Kentucky funded to completion for \$332M
- USACE will seek to efficiently utilize IWTF available each fiscal year.
- The IWTF balance will not go below \$20M.
- IWTF revenue assumptions:
 - FY25 revenue = \$117M.
 - FY26 revenue = \$117M.
 - FY27 revenue = \$120M.
 - FY28 revenue = \$124M.
 - Assume that IWTF revenues after FY28 will grow annually at 3.0%.

KEY TENETS/ASSUMPTIONS CONTINUED

- Design cost assumed \$25M/year for 3 years (\$75M total).
- Lock operation assumed to be 3 years after project funded to completion.
- Cat 1A project priorities (based on amount to fund to completion): Monongahela River L&Ds 2, 3 & 4 (Charleroi), MKARNS Three Rivers, Chickamauga, Kentucky, Montgomery, UMR Lock 25
- After current Cat 1A projects are funded to completion, the next lock construction project (i.e. MEGA project) will be LaGrange Lock followed by another lock to be determined in the future.
 - Will seek opportunities to efficiently fund smaller projects (Brazos or Major Rehabs).
- MEGA project after LaGrange ("Next Lock A") construction first cost is assumed to be \$1.5B (2024 price level).

CATEGORIZE BASED ON PROJECT STATUS



2020 Categories

CAT 1 – Ongoing construction -Olmsted (completed); Monongahela River 2, 3 & 4 (Charleroi): Kentucky: Chickamauga

Proposed 2025 Categories

CAT 1A – Active construction (in priority order)

Monongahela River 2, 3 & 4 (Charleroi), MKARNS Three Rivers, Chickamauga, Kentucky, Montgomery, Lock 25

CAT 1B – Active design (in priority order)

LaGrange (based on FY24 earmark), Brazos* (require new start), Emsworth, TJ O'Brien MR *(ongoing scoping)

CAT 2 - Project authorized for construction & awaiting design start

(in alphabetical order) Colorado, Dashields, Lock 20, Lock 21, Lock 22, Lock 24, Peoria, Winfield MR

CAT 3A – Ongoing studies & re-evaluations

(in alphabetical order) Bayou Sorrel, GIWW Brazoria & Matagorda (2023 Chief report), IHNC Lock, J. Bennett Johnson 12 ft Deepening (new start in FY24), MKARNS 12 ft Deepening* (ongoing rescoping & reevaluation), Tenn-Tom/BWT Deepening Study

CAT 3B – Ongoing major rehab reports

Major rehabilitation reports listed on slide 16.

CAT 4 – Future Work

Identify future recapitalization projects and future expansion studies

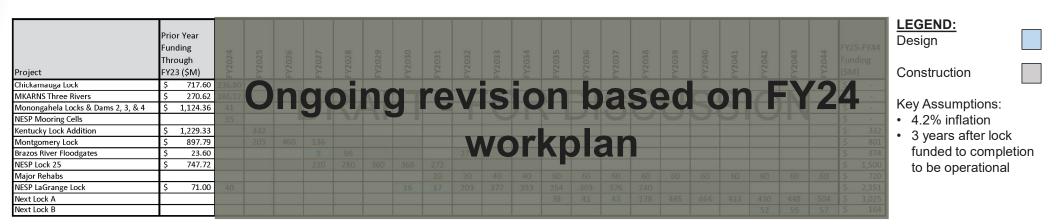


- Scenario 1 Constrained.
 - Constrained scenario based on historical funding & execution trends with construction contracts are base + options.
 - Continuing contract (CC) or Incremental Funding Clause (IFC) **NOT** available.
 - Assumptions/constraints:
 - Limit IWTF contribution to cost share to 90% of annual IWTF revenue.
 - Example If IWTF revenue is \$117M, total program would be \$300M (\$105M IWTF, \$195M).
 - Montgomery is funded FY25 FY30 and Lock 25 FY27 FY34.
 - Construction funding for LaGrange and New Lock A is spread over 17 years.

	Prior Year Funding		10	10									10	10									FY25	-F¥44	LEGEND: Design
Project	Through FY23 (\$M)	FY202/	(202)	FY2026	FY2027	-72028	FY2029	FY2030	FY2033	FY2032	FY2033	FY2034	FY2035	-Y2036	FY2037	FY2038	FY2039	FY2040	FY2043	FV2042	1204	1,1204	Fund (\$M)	ling	Construction
Chickamauga Lock	\$ 717.60 \$ 270.62	236.80		n		DİI			re	V	IS) n		A	S	20					Y		1	
MKARNS Three Rivers Monongahela Locks & Dams 2, 3, & 4	\$ 270.62	41.00			J			J															5		Key Assumptions:
NESP Mooring Cells		35.00																							 4.2% inflation
Kentucky Lock Addition	\$ 1,229.33	1									VC	r													 3 years after lock
Montgomery Lock	\$ 897.79									` /		ソー		91											funded to completion
Brazos River Floodgates	\$ 23.60												19												· ·
NESP Lock 25	\$ 747.72																								to be operational
Major Rehabs		Ĩ.																							Constrained /
NESP LaGrange Lock	\$ 71.00	40.00																							
Next Lock A														41	43	45	164	176	189	202	217	233	\$	1,309	uncertain funding
	•																								increases costs by 3%

DRAFT SCENARIOS CONTINUED

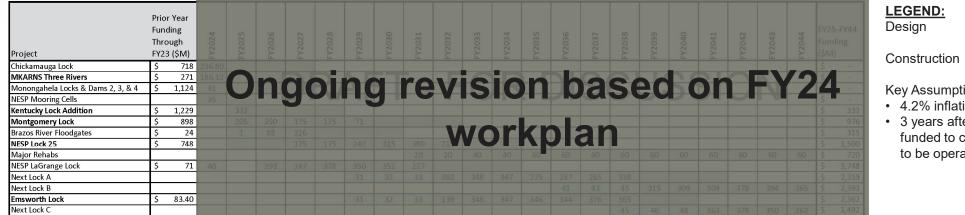
- Scenario 2 Accelerated (8-year construction schedule).
 - Timely and certain funding to efficiently execute construction. Potential options:
 - Continuing contract (CC) or Incremental Funding Clause (IFC) available, Project funded annually PBud, or 5-year MILCON-like program.
 - Assumptions/constraints:
 - General Treasury funds available to match available IWTF. Seek to draw down available IWTF balance in FY25 FY27.
 - After Lock 25 & Montgomery funded to completion, LaGrange funded to continue construction.



DRAFT SCENARIOS CONTINUED

Scenario 3 BIL Projects 100% Federal:

- IIJA/BIL funded projects are completed 100% General Treasury
- Assumptions/constraints:
 - Total annual Construction funding is \$500M \$600M.
 - Funding toward BIL projects is approximately \$350M/year.
 - Starting in FY26, split funding (50/50) between to finish Montgomery and Lock 25.
 - Seek to fully allocate IWTF annual revenues and draw down balance.



Key Assumptions:

- 4.2% inflation
- 3 years after lock funded to completion to be operational

