

Four Lakes Task Force

Gladwin and Midland Counties' Delegated Authority
of the Four Lakes Special Assessment District

October 5, 2021, Board Meeting



Four Lakes Task Force

Agenda

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- I. **Call to Order**
- I. **Approval of Agenda**
- I. **Approval of June 1 Board Meeting Minutes**
- I. **Consent Agenda**
 - a. Whistleblower protection
 - b. Retention policies
 - c. 2022 Board calendar
- II. **Slate of Board Members**
 - I. The Governance Committee recommends the current slate of Board members to be elected at the December meeting
- III. **Progress Against 4 critical issues**

- VII. **Progress on Recovery**
 - a. Stabilization of Dams
 - b. Lake Debris and Erosion
- VIII. **Recovery Plan Review**
 - a. Lake Recovery Plans
 - I. Environmental Restoration Plans
- IX. **Other Business**
 - a. Upcoming Meetings
 - b. New Business
- VII. **Public Comment**
- VIII. **Adjourn**



Critical Issues

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In its [Restoration Plan](#), FLTF identifies four critical issues that are vital to successfully restore the lakes.

1. FLTF needs to acquire at least \$10 million from outside the SAD by early 2022. In the next three years, approximately \$250 million will need to be funded for restoration.
2. Environmental recovery on Wixom and Sanford lakes is significant, and FLTF is engaged with EGLE to get state acceptance of the restoration plan, and then identify funding sources.
3. A fair and consistent methodology for the assessment of property owners of the Four Lakes Special Assessment District (SAD) needs to be put in place to attract funding and assure there are financial means for long-term operations and maintenance.
4. Flood studies must be completed, and capacity designs must be acceptable to the state to move forward with the completion of engineering.

Funding - Major Projects Underway

Project Area	Project Costs	Spending
	2021-2023	Spend to Date
Dam Stabilization	\$30,573,000	\$6,455,485
Edenville	\$11,355,000	\$3,237,451
Sanford Dam	\$11,902,500	\$390,337
Smallwood and Secord	\$1,803,000	\$1,649,943
Erosion Stabilization and Debris Removal	\$14,850,000	\$2,759,658
EWP Eligible Erosion Projects	\$6,550,000	\$2,693,551
Non-EWP Eligible Erosion Projects	\$0	\$0
Bottomland Debris Removal	\$5,300,000	\$13,126
Bottomland Sediment Removal	\$2,000,000	\$0
Downstream Debris Removal	\$1,000,000	\$0

Note: current project estimates- some projects run over multiple years and this is intended only to illustrate the projects being discussed not to provide final budget.

Progress Report – Secord and Smallwood

□ Secord and Smallwood Dam

- Post May 2020 Flood Inspections – complete
- Winter 2021 Interim Measure Repairs (record drawings April 2021)
- 30% Design Drawings (IDF Upgrades)
- Subsurface Investigations
- Design Storm -PMP/PMF/RIDM
- 60% Designs Underway

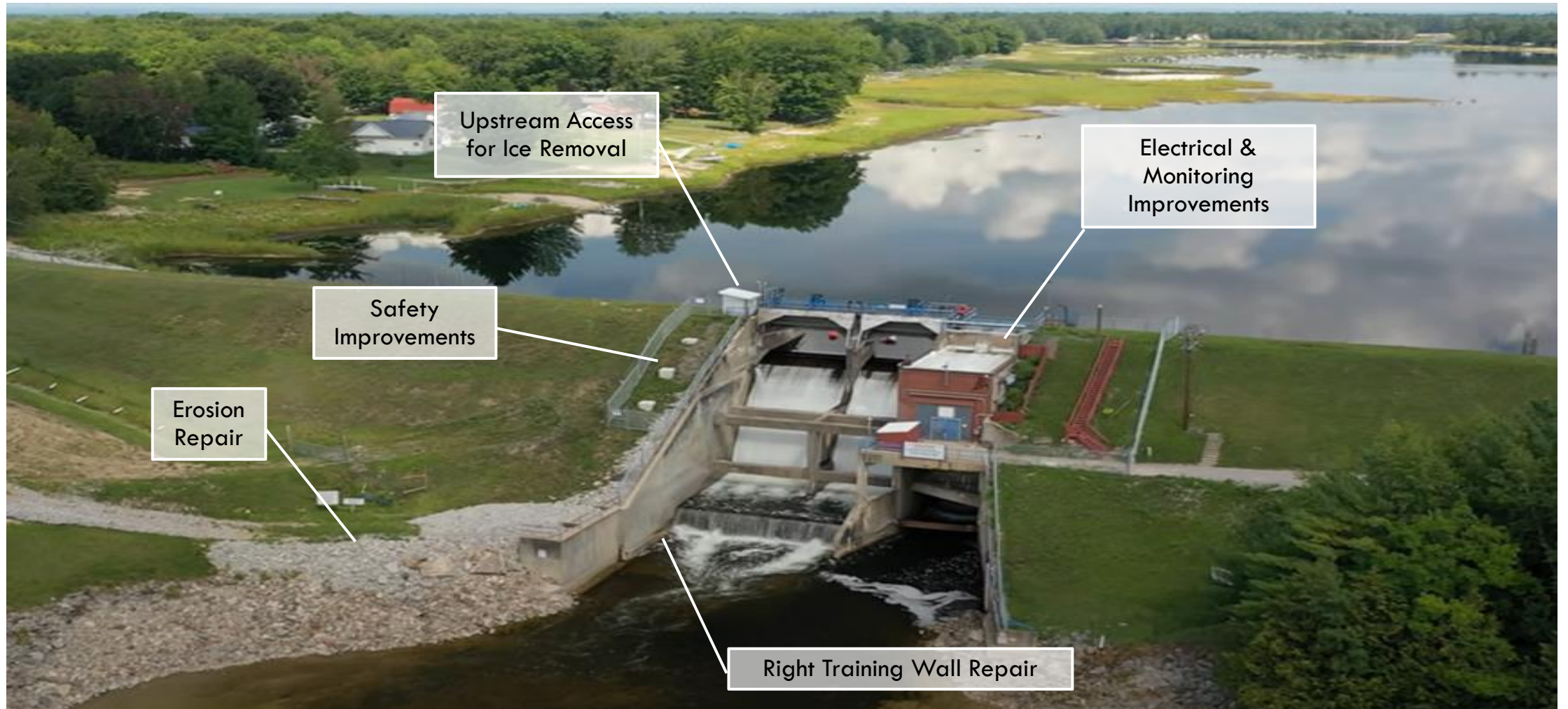
□ Next steps

- EGLE Permit Application – Submit December 2021
- Safety Booms – Complete in Summer 2022

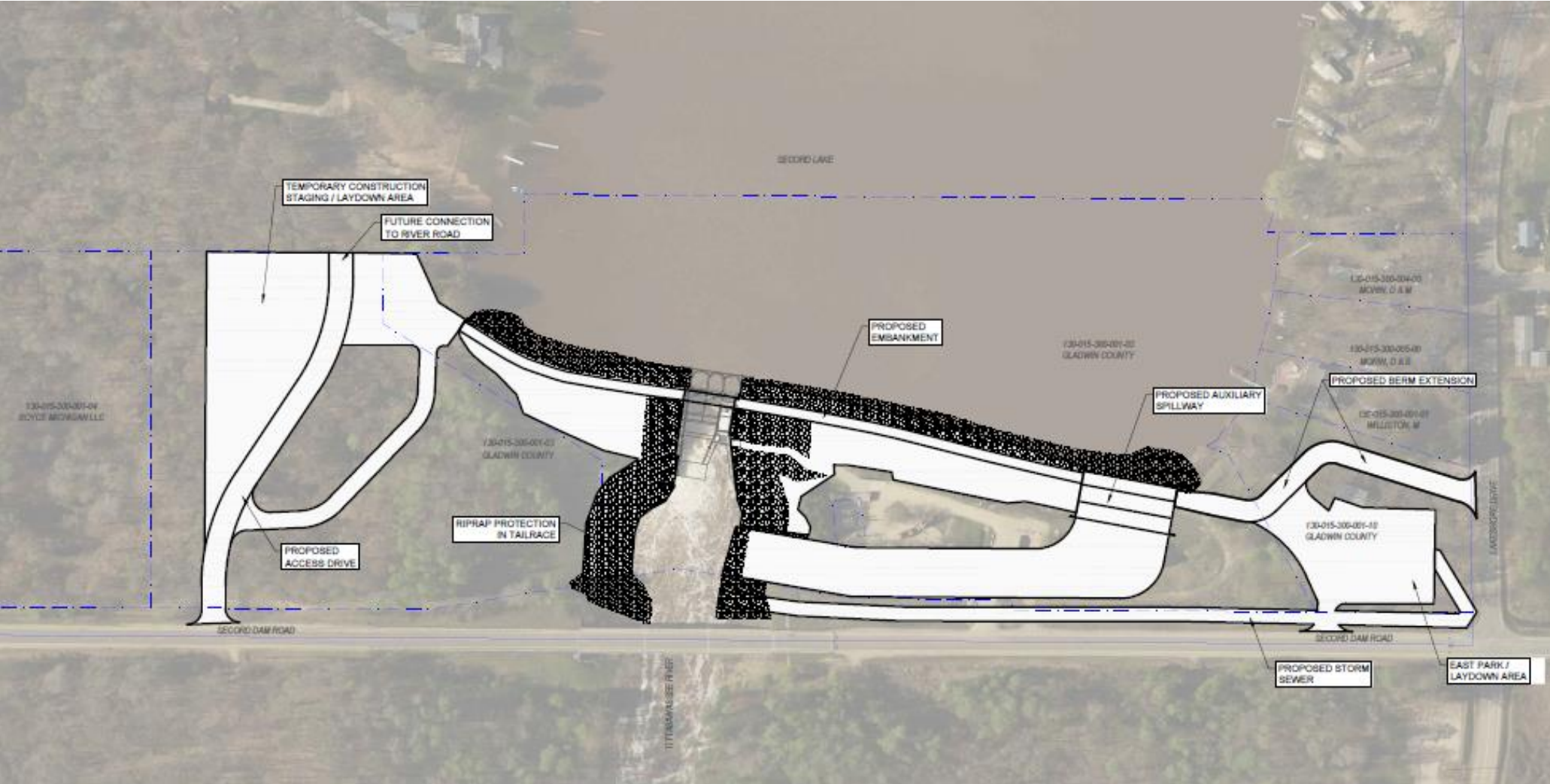


Secord Dam – Recovery

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Secord Restoration – Site Plan



Smallwood Dam - Recovery



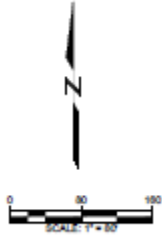
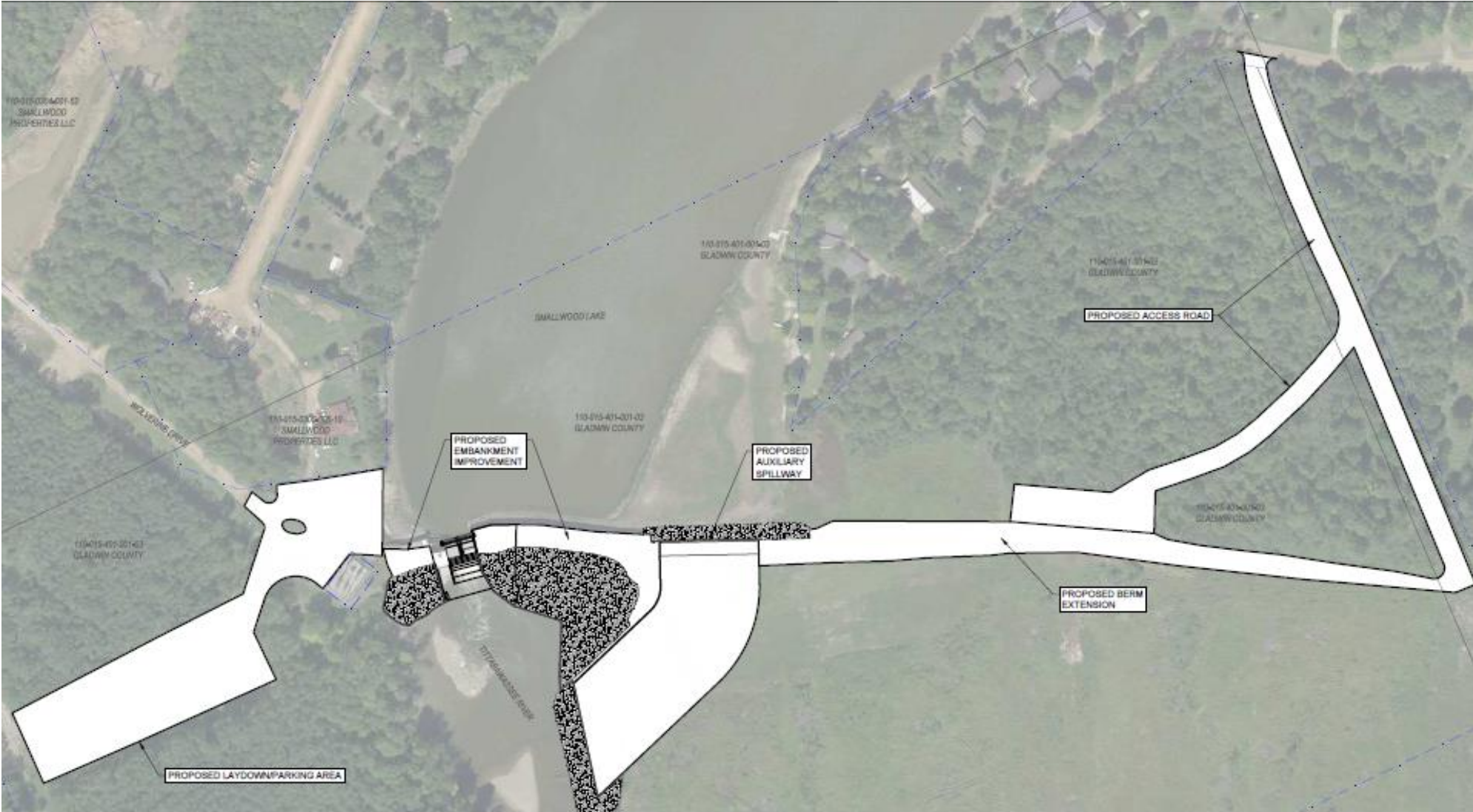
Upstream Access
for Ice Removal

Erosion
Repair

Electrical &
Monitoring
Improvements

Safety
Improvements

Smallwood Restoration – Site Plan



Secord and Smallwood Restoration Planning

Secord/Smallwood Lake Restoration - Timeline/Completion Status		2021				2022				2023				2024				2025				2026				
Action	% Compl	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Engineering & Construction	Design Criteria Development	100%		█	█																					
	Data Collection & Base Mapping	95%		█	█																					
	Risk Based Analysis & Spillway Capacity Design	60%		█	█	█																				
	60% Engineering Design Submittal	40%			█	█																				
	90% Engineering Design Submittal	0%				█	█																			
	100% Complete Engineering Plans	0%					█	█																		
	Utility Coordination & Relocation	0%			█	█	█	█																		
	Issue Notice to Proceed with Construction	0%							█	█																
	Finish Construction & Fill Lake	0%									█	█	█	█	█	█										
Financing	Submit Prelim. Special Assessment Roll & Eng. Report to USDA	10%			█	█																				
	USDA Approval & Obligation of Funds	0%					█	█																		
	Submittal of Final Plans and Bidding Documents	0%							█	█																
	USDA Approval to Bid Project - Based on Final Plans & Permits	0%			█	█																				
	Bid Opening & Final Computation of Cost	0%							█	█																
	USDA Closing Submittal	0%									█	█														
	USDA Notice to Proceed & Preconstruction Meeting	0%											█	█												
Special Assessment	Assessment Methodology Development and Communication	0%		█	█	█																				
	Special Assessment Hearing for Assessment Roll	0%				█	█																			
	County Board Vote to Approve Roll	0%					█	█																		
	Complete SAD Appeal Process	0%							█	█																
	Operations Assessments on Winter Taxes	0%								█	█															
	Capital Improvement Assessments on Winter Taxes	0%											█	█												
Environmental/Permitting	Part 301 - Inland Lakes & Streams Impacts	15%			█	█																				
	Part 303 - Wetland Impacts	25%			█	█																				
	Part 31 - Floodplain Impacts	15%			█	█																				
	Part 315 - Dam Safety	15%			█	█			█	█																
	Part 365/Section 7 - Threatened & Endangered Species	60%			█	█																				
	Section 106 - Historic Preservation	90%				█	█																			
	EGLE Permit Application Submittal	0%				█	█																			
	Part 91 - Soil Erosion & Sediment Control Submittal	0%							█	█																
	EGLE Issues Permit	0%								█	█															

Legend: Current Quarter (light blue), Plan Duration (medium blue), Task Complete/On Schedule (green), Falling behind Schedule (yellow), Major Issue Encountered (red)

Progress Report – Edenville and Sanford

- Edenville Dam Interim Repair – Tobacco River Side
 - ▣ Water Level Lowered (EGLE)
 - ▣ Rollway Removal and Sister Wall Construction – (FLTF -Complete Winter 2021)
 - ▣ Safety Boom – (FLTF – Complete in Summer 2022)
- Edenville Dam Interim Repairs – Tittabawassee River Side (FLTF)
 - ▣ Rollway removal – complete
 - ▣ Downstream sediment removal – Complete
 - ▣ Breach way I-wall berm – Complete in Winter 2021
 - ▣ Embankment stabilization – Complete in Summer 2022
- Sanford Dam Interim Repair
 - ▣ Spillway stabilization and breach closure – currently in design/permitting phase
 - ▣ Start construction – Fall 2021



Edenville Dam Phase I – Recovery



Edenville Dam Phase I – Recovery



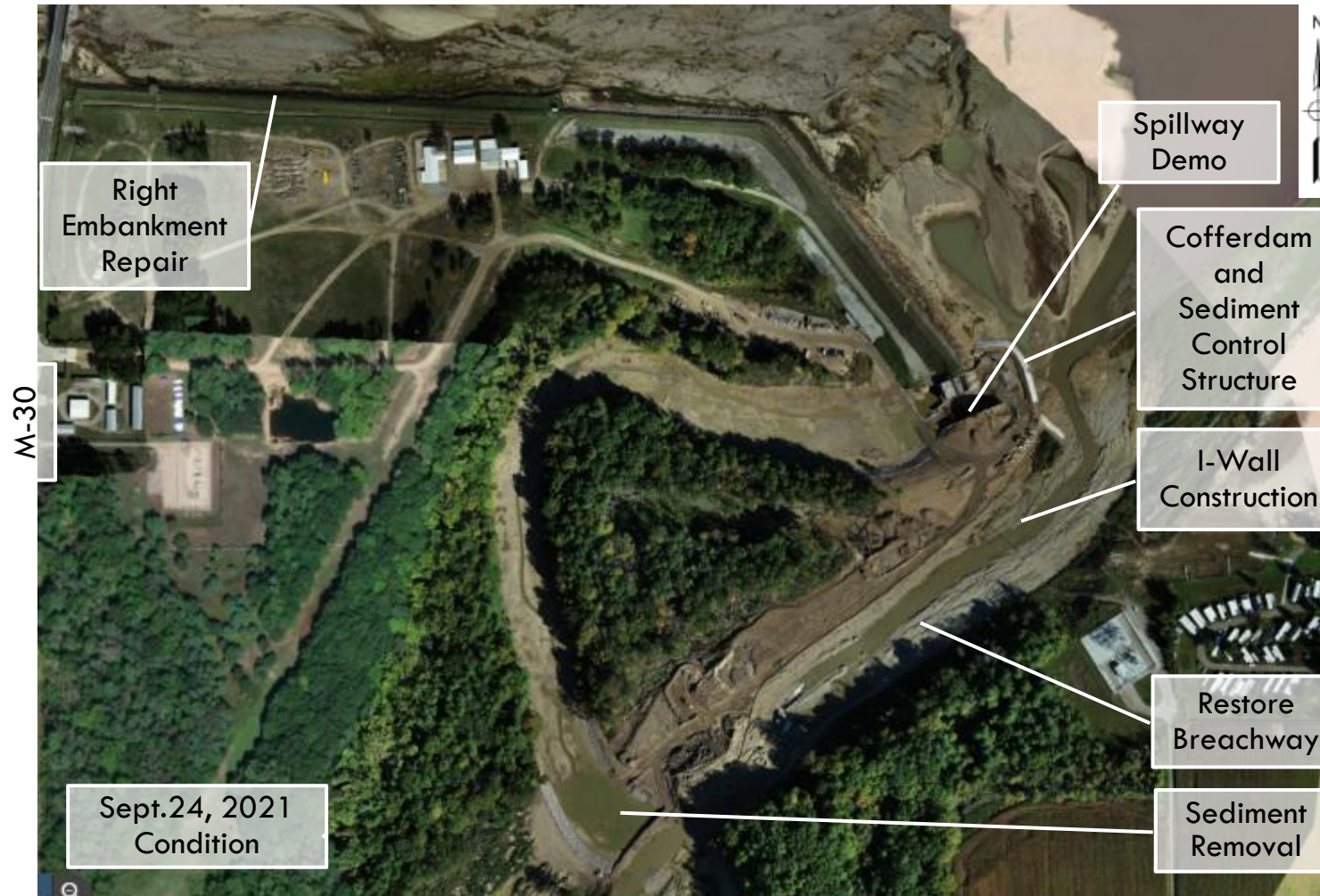
Edenville Dam Phase II – Recovery

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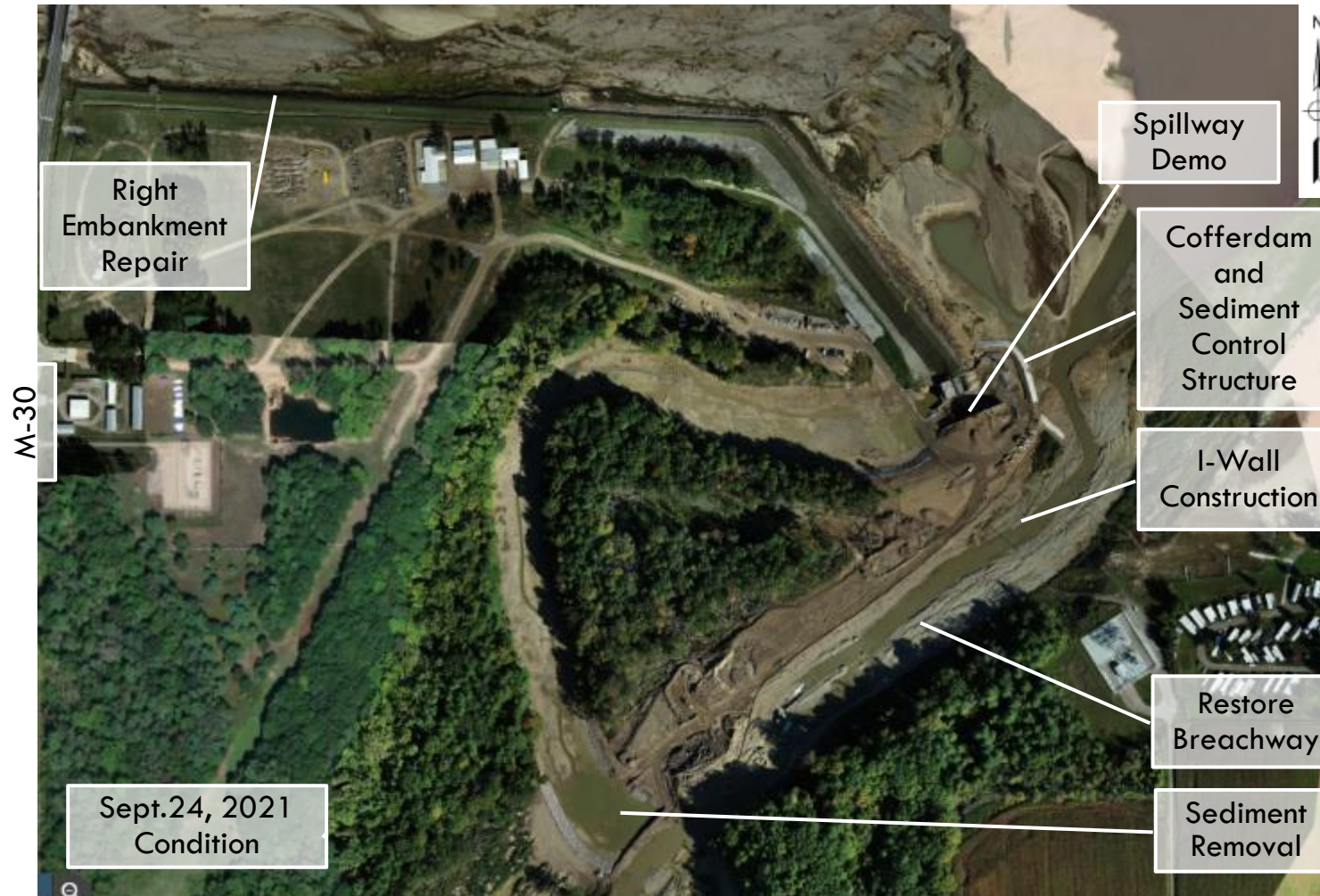
Edenville Dam Phase II – Recovery

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Edenville Dam Phase II – Recovery

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Edenville Dam Phase II – Recovery



Spillway Demolition



Spillway Demolition

Edenville Dam Phase II – Recovery

18



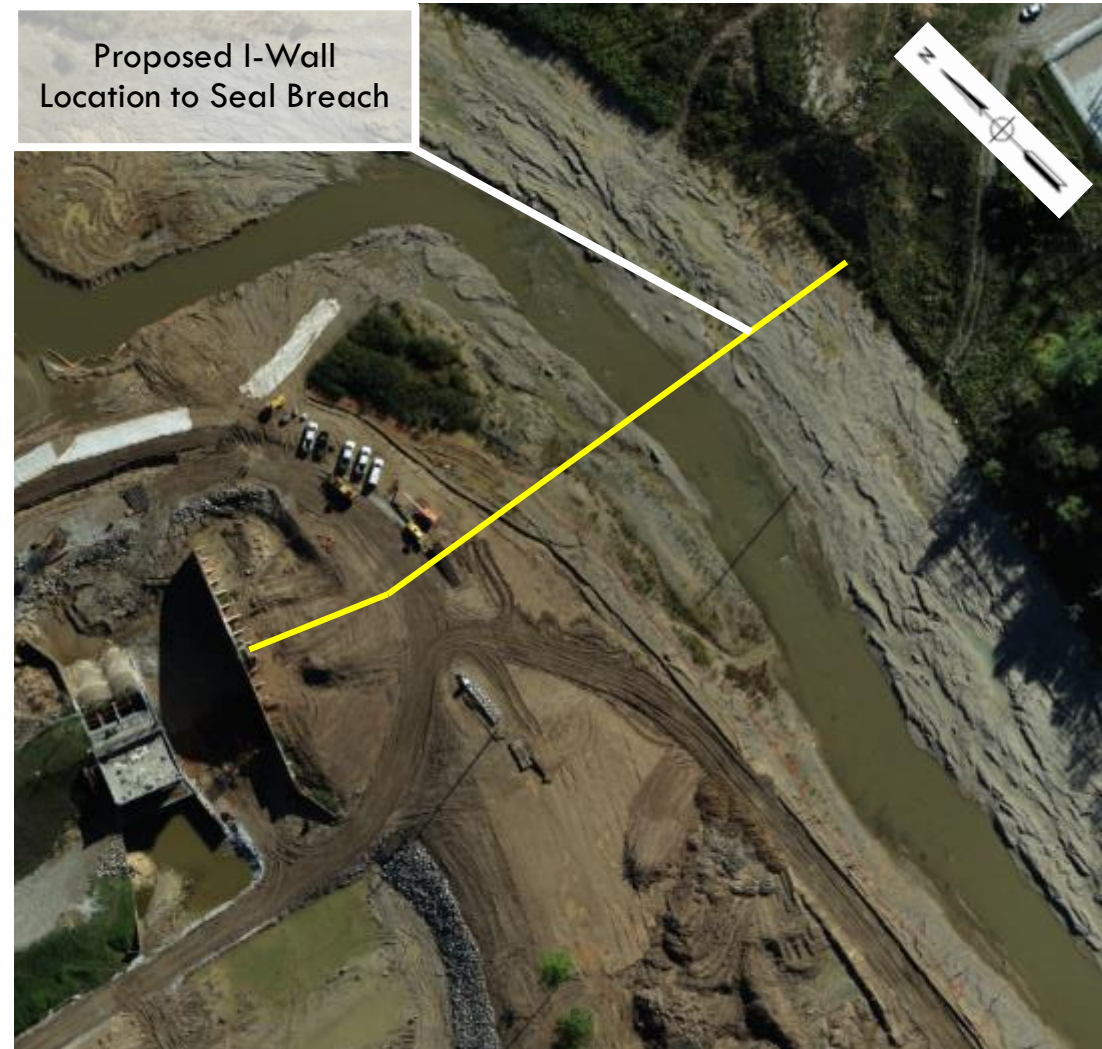
Edenville Dam Phase II – Recovery

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Edenville Dam Phase II – Recovery

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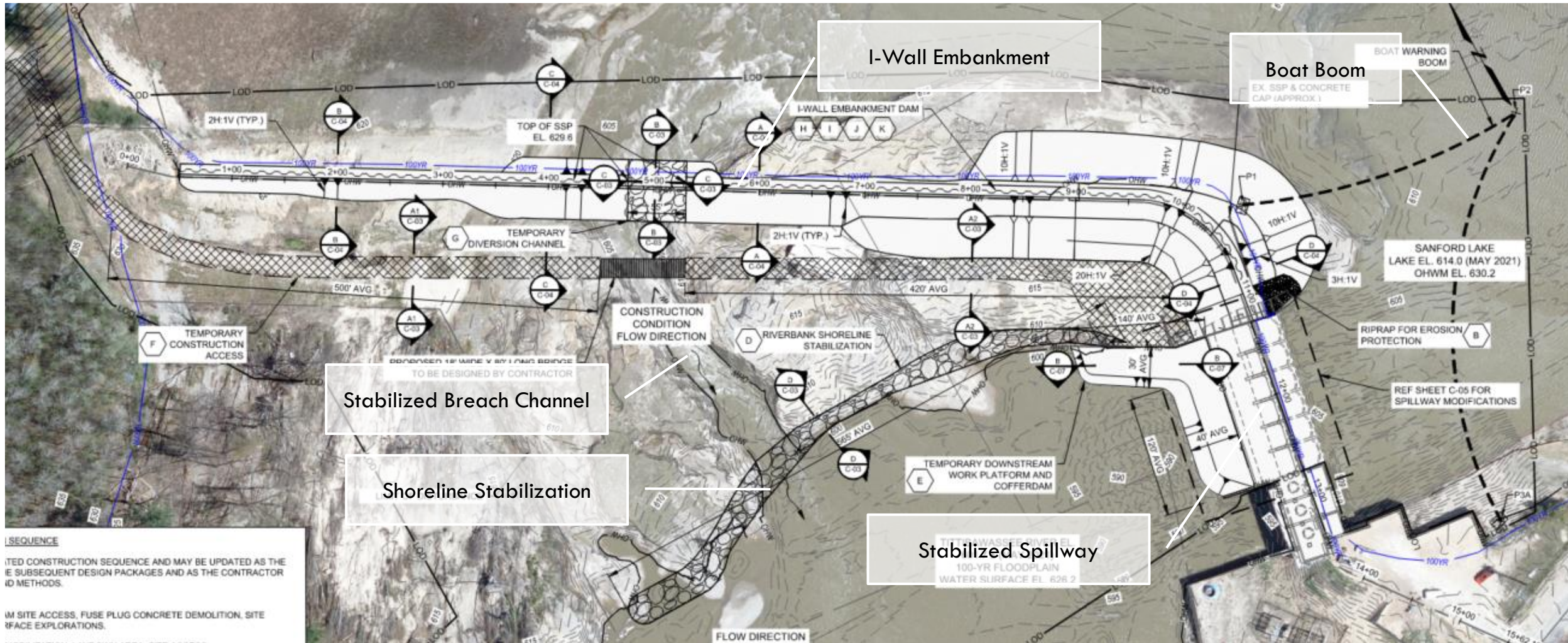


Edenville Restoration Planning

		Wixom Lake Restoration - Timeline & Completion Status																											
		2021				2022				2023				2024				2025				2026							
Action		% Compl	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
Recovery Phase	Edenville Phase I - Tobacco Stabilization	55%	█	█	█	█																							
	Edenville Phase II - Edenville Stabilization	50%			█	█																							
	Edenville Dam - Debris Boom	10%			█	█																							
Engineering & Construction	Design Criteria Development	100%			█	█																							
	Data Collection and Base Mapping	60%			█	█																							
	Risk Based Analysis and Spillway Capacity Design	0%																											
	60% Engineering Design Submittal	0%																											
	90% Engineering Design Submittal	0%																											
	100% Complete Engineering Plans	0%																											
	MDOT Coordination	10%																											
	Utility Coordination & Relocation	10%																											
	Issue Notice to Proceed with Construction	0%																											
	Finish Construction & Fill Lake	0%																											
	Financing	USDA Environmental Impact Assessment	5%																										
		Submit Prelim. Special Assessment Roll & Eng. Report to USDA	0%																										
USDA Approval & Obligation of Funds		0%																											
Submittal of Final Plans and Bidding Documents		0%																											
USDA Approval to Bid Project - Based on Final Plans & Permits		0%																											
Bid Opening & Final Computation of Cost		0%																											
USDA Closing Submittal		0%																											
Special Assessment	USDA Notice to Proceed & Preconstruction Meeting	0%																											
	Assessment Methodology Development and Communication	70%		█	█	█																							
	Special Assessment Hearing for Assessment Roll	0%																											
	County Board Vote to Approve Roll	0%																											
	Complete SAD Appeal Process	0%																											
	Operations Assessments on Winter Taxes	0%																											
Environmental/Permitting	Capital Improvement Assessments on Winter Taxes	0%																											
	Part 301 - Inland Lakes & Streams Impacts	0%			█	█																							
	Part 303 - Wetland Impacts	0%			█	█																							
	Part 31 - Floodplain Impacts	0%			█	█																							
	Part 315 - Dam Safety	40%			█	█																							
	Part 365/Section 7 - Threatened & Endangered Species	0%			█	█																							
	Section 106 - Historic Preservation	60%			█	█																							
	EGLI Permit Application Submittal	0%																											
	Part 91 - Soil Erosion & Sediment Control Permit Submittal	0%																											
	EGLI Issues Permit	0%																											
	Lake Restoration Plan Development & Submittal	5%			█	█																							
	Lake Management Plan and Implementation	0%																											

Legend: █ Current Quarter █ Plan Duration █ Task Complete/On Schedule █ Falling behind Schedule █ Major Issue Encountered

Sanford Dam – Recovery



Sanford Restoration

Sanford Lake Restoration - Timeline & Completion Status			2021				2022				2023				2024				2025				2026				
Action	% Compl		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Recovery Phase	Design and emergency permitting for interim stabilization project	60%	█	█																							
	Interim weir construction and spillway demolition	0%																									
	Breachway closure and site restoration	0%																									
Engineering & Construction	Design Criteria Development	100%			█																						
	Data Collection and Base Mapping	60%			█																						
	Risk Based Analysis and Spillway Capacity Design	0%																									
	60% Engineering Design Submittal	0%																									
	90% Engineering Design Submittal	0%																									
	100% Complete Engineering Plans	0%																									
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	Finish Construction & Fill Lake	0%																									
Financing	USDA Environmental Impact Assessment	5%																									
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Special Assessment	Assessment Methodology Development and Communication	70%	█	█																							
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Legend: █ Current Quarter █ Plan Duration █ Task Complete/On Schedule █ Falling behind Schedule █ Major Issue Encountered

Erosion and Stabilization – Lakeshore Drive



Before



After



Erosion and Stabilization – Anderson Drive

25



Before

Erosion and Stabilization – Anderson Drive



Before



After

Erosion and Stabilization – Anderson Drive (After)

27



Erosion and Stabilization – Curtis Road



Before



After

Upcoming Meetings and Information

29

□ Upcoming Meetings

▣ Virtual Information Session October 6, 2021

▣ <https://www.four-lakes-taskforce-mi.com/events.html>

▣ Board Meeting: December 7, 2021

Tentative Agenda items

▣ Annual Meeting

▣ Review of Special Assessments

▣ Computation of Costs, Methodology and Timeline

▣ Project Status by Dam

▣ 2021 estimated financial performance

▣ 2022 Budget



Public Comment

30

Ground rules:

1. Public comment will be taken at the microphones. Commenters are allowed 2 minutes and will be asked to conclude at the end of the time.
2. Please form a socially distanced line when approaching the microphone.
3. Because of time restrictions, individuals may only make one comment.
4. Any commenter who is disrespectful, slanders another, is in any way inappropriate or otherwise refuses to follow the protocol will be muted.
5. Those who do not wish to approach the microphone may email a question to info@fourlakestaskforce.org

Please send questions to info@fourlakestaskforce.org

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00 : 02 : 00



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Thank you for joining us!