

# White Cloud Dam Phase 1 Scope & Fee

September 2, 2025



1

2

## Project Phases

- **Phase 1 – Scoping**
  - **Comprehensive Schedule**
  - **Alternative Analysis**
  - **Outside Funding Opportunities**
  - **Probable Estimates of Cost**
- **Phase 2 – Preliminary Design**
  - Preliminary Design
  - Funding Pursuits
  - Environmental Permitting
- **Phase 3 – Final Design**
  - Continue Funding Pursuits
  - Final Design
  - Specifications
  - Bidding Documents
- **Phase 4 - Construction**
  - Bidding
  - Construction Inspection
  - Construction Administration
  - Grant Administration

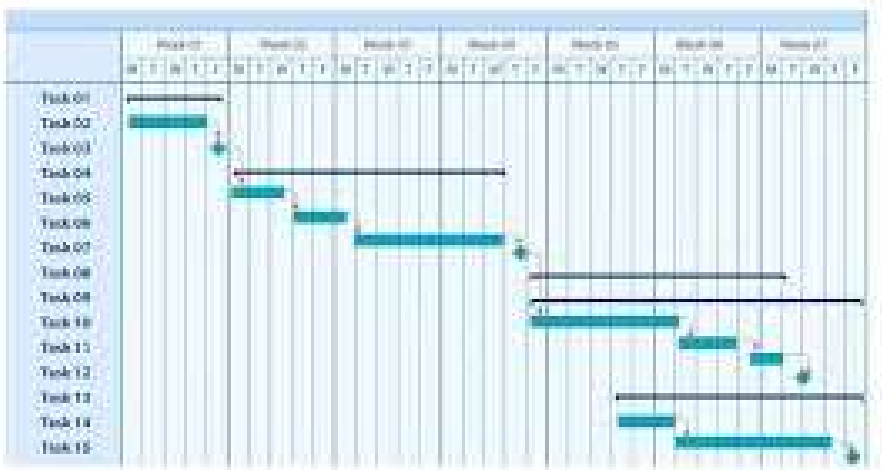


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3

## Phase 1 - Scoping

- Comprehensive Schedule
- Due to EGLE on XXXXX



3

4

## Phase 1 - Scoping

- Alternative Analysis
  - Dam Rehabilitation
  - Dam Deregulation
  - Dam Removal
  - Remove or Replace Bridge

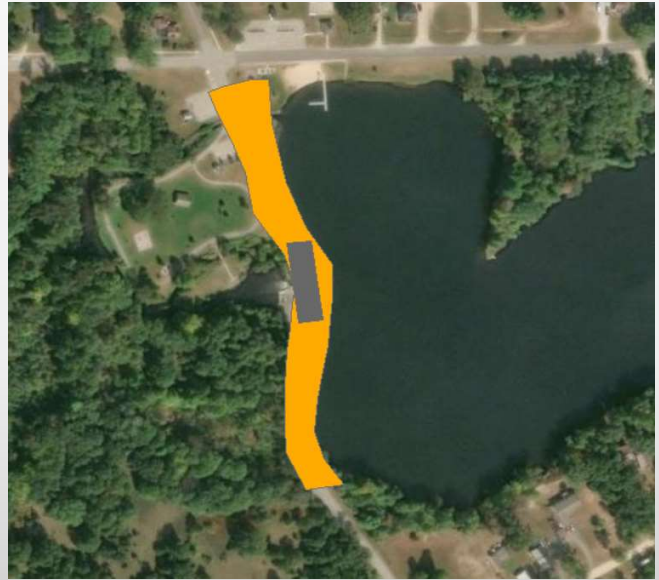


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5

## Phase 1 - Scoping

- Alternative Analysis
  - **Dam Rehabilitation**
  - Dam Deregulation
  - Dam Removal
  - Remove or Replace Bridge



5

6

## Phase 1 - Scoping

- Alternative Analysis
  - Dam Rehabilitation
  - **Dam Deregulation**
    - **Maintain Existing Crest Location**
    - Move Crest Upstream
  - Dam Removal
  - Remove or Replace Bridge



6

7

## Phase 1 - Scoping

- Alternative Analysis
  - Dam Rehabilitation
  - **Dam Deregulation**
    - Maintain Existing Crest Location
    - **Move Crest Upstream**
  - Dam Removal
  - Remove or Replace Bridge



7

8

## Phase 1 - Scoping

- Alternative Analysis
  - Dam Rehabilitation
  - Dam Deregulation
  - **Dam Removal**
    - **Passive Restoration**
      - **Minimum Effort to Stabilize River**
    - Active Restoration
  - Remove or Replace Bridge



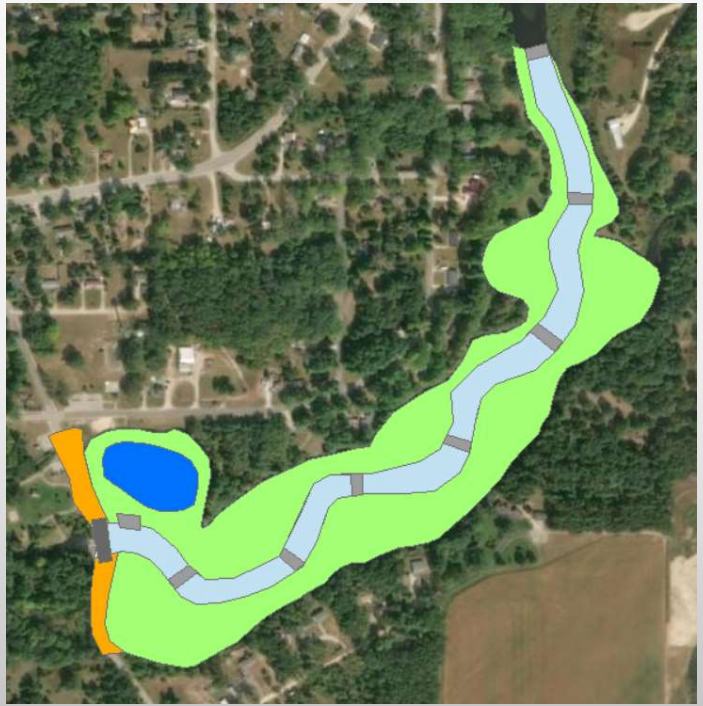
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9

## Phase 1 - Scoping

- Alternative Analysis
  - Dam Rehabilitation
  - Dam Deregulation
  - **Dam Removal**
    - Passive Restoration
    - **Active Restoration**
      - **Riverbanks**
      - **Exposed Floodplain**
      - **Recreation Opportunities**
  - Remove or Replace Bridge

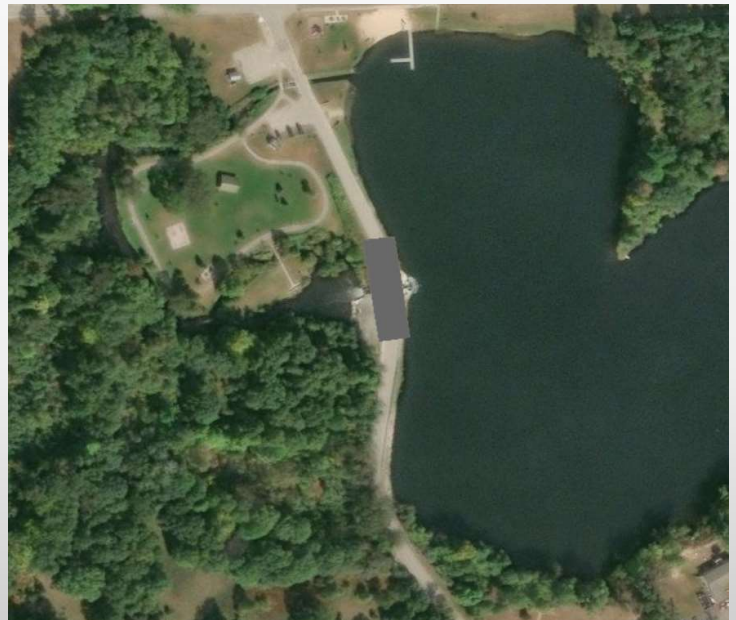


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## Phase 1 -Scoping

- Alternative Analysis
  - Dam Rehabilitation
  - Dam Deregulation
  - Dam Removal
  - **Remove or Replace Bridge**
    - **Applies to All 3 Alternatives**
    - **\$2 Million Estimated Construction**



10

11

## Phase 1 - Scoping

- Outside Funding Opportunities
  - Identify what funding opportunities would be available for each alternative and how much money may be available.
- Probable Estimates of Cost
  - Prepare cost estimates for each alternative



11

12

## Phase 1 - Scoping

• Fee	
• Comprehensive Schedule	\$2,500
• Alternative Analysis	\$40,000
• Outside Funding Opportunities	\$7,500
• Probable Estimates of Cost	\$5,000
Total Phase 1 Fee	\$55,000



12

