Consulting
Engineers and
Scientists

Hesperia Dam Feasibility Study
Project Partner Kickoff Meeting
11/4/2024 2:00PM
Teams Meeting

Attendance:
Morgan Carden - GEI
Dan DeVaun - GEI
Michael Carpenter - GEI
Troy Naperala - GEI
Michael Scurlock - GEI
Jon Moxey - FV
Mike Farber - Village
Vicki Burrell - Village
Matt Lemanski - GEI
Nicole Lexson - USFW
Mark Tonello - DNR
Luke Trumble - EGLE
Thomas Horak - EGLE

Project Kickoff – Refer to Attached Presentation:

1. Introduction
    a. Dam Overview
        i. GEI – Is there a legal lake level? No, however the intent is to maintain a similar level to the current level.
    b. EGLE Inspections
        i. EGLE – Are the repairs from last fall still functioning as intended?
            1. Village – The repairs appear to be preforming as intended.
        ii. EGLE – Concern with current hazard classification based on development downstream and impacts of potential rehabilitation options impacting classification
    c. Project Goals
        i. Primary - Dam Safety
        ii. Primary - Sea Lamprey Control
        iii. Secondary – Fish Passage
            1. DNR – Concerned that fish passage is not a primary goal
                a. GEI – Understand concern and want to ensure to address in a way that it aligns with other primary goals.
            2. EGLE – Concerned about possibility for not allowing fish passage without proper consideration from Stakeholders
        iv. Secondary – Minimize Impact to Recreational Amenities

v. Secondary – Minimize Impact to Adjacent Infrastructure

d. Key Players
e. Project Team

2. Project Scope
    a. Grant Support
        i. GEI to help with paperwork and reporting associated with current EGLE DRRG.
    b. Desktop Analysis
        i. Reviewing all available documents.
    c. Field Collection
        i. Survey and Bathymetry almost complete, refer to PowerPoint for extents.
        ii. Subsurface Exploration complete, artesian conditions were not encountered and anticipated near the swimming pond.
    d. Engineering
        i. Analyzing existing conditions
        ii. Using existing conditions analysis to inform and run preliminary analysis on rehabilitation options
    e. Rehabilitation Design
        i. Low Cost – Cost Effective Solution
        ii. Minimal Operation – Minimal Gate/Stoplogs and reduce need to operate
        iii. Maximum Control – Utilize gates to improve US water level control and minimize risk of overtopping
        iv. Add-ons
            1. Park Amenities
            2. Fish Passage
                a. Village – Concerned that a fish ladder would impede fishing on the downstream side of the dam
                    i. DNR – A fish ladder would improve the fishing by allowing fish to migrate upstream to bread increasing the fish population as a whole, have seen similar view points on other dams
                    ii. May need to address in public meeting to alleviate concern for Village and Residents
        v. Key Partner Alternate
            1. EGLE – Concerned dam removal option is not being considered
            2. EGLE - Concerned about fix crest options
            3. EGLE – All feasibility options should be entertained during feasibility to not force a predetermined outcome.
            4. Village – Resident would not be in favor of dam removal
            5. Village – Residents would not be in favor of fish ladder
    f. Feasibility Report
        i. Options will be discussed at monthly meetings throughout development
        ii. Report with initial options will be distributed prior to the Key Partners Review meeting.
3. Project Schedule
    a. Field work to be completed by end of November 2024

   b. Anticipated key partner developed options review April 2025
   c. Anticipated report completion May 2025
4. Point of Contacts
   a. DNR – May include additional staff from habitat management throughout project
5. Questions
   a. DNR – How cost effective is the dam at sea lamprey control?
      i. USFW – White River has been treated in the past and the dam does not currently provide a complete blocker. Establishing the dam as complete blocker would be ideal and allow for funds to be spent on other rivers that do not have a lower most barrier.
      ii. DNR – Will need to ensure that with fish passage there is sea lamprey control

Action Items:
1. Send Kickoff PowerPoint – GEI
2. Setup Monthly Project Partner Meetings - GEI