

## FOREST LAKE DAM SPILLWAY UPDATE

August 22, 2020

Updated information regarding the spillway is as follows:

- A revised preliminary design concept and cost estimate for the spillway repair have been prepared by our consulting engineer and the information has been submitted to the USDA Natural Resources Conservation Service and the State of Michigan EGLE Dam Safety Unit for review.
- The revised preliminary design concept is to construct a new concrete tail water flume with increased hydraulic capacity. The flume would include 4 ft. high side walls and would extend from the end of the dam outlet culvert section to the approximate location of the end of the remaining flume section. Flow discharged from the flume would travel down a concrete chute to a stilling basin and plunge pool at a lower elevation. The chute and stilling basin would also include vertical concrete sidewalls. The existing weir structure would be replaced with a new weir to maintain the level in the plunge pool and discharge flow to Wells Creek and the Rifle River. The total project cost is estimated to be in the range of \$1.4M to \$1.6M including emergency repairs, permits, engineering and construction. This preliminary estimate will be refined as the design phase proceeds.
- In the near future the Board will be issuing a Request for Proposal for engineering services required for preparation of Contract Documents for bidding purposes and for engineering services during construction. Engineering services during construction would include contract administration, periodic construction observation, permit applications, concrete and soil compaction testing, shop drawing review, processing of the Contractors progress payment applications, etc.
- The USDA Natural Resources Conservation Services is continuing to work toward a grant for the spillway replacement under their Emergency Watershed Protection Program. The Board has also submitted a grant application to FEMA. The application has been approved and we are waiting for a program delivery manager to be assigned to assist us. A grant from FEMA may be applicable to soil erosion damage and possibly damage to FLPOA docks. FEMA funds may be applicable to the spillway replacement if we are not awarded a grant from USDA. Both the USDA and FEMA grants cover 75% of grant eligible costs. No grants have been offered and funding is still uncertain as of this date.
- Property owners that sustained damage during the flooding which occurred between May 16-22 can apply for assistance at [www.Disaster Assistance.gov](http://www.Disaster Assistance.gov)  
A news release from FEMA which provides additional information will be posted on the Forest Lake website.

Forest Lake Property Owners Association Board of Directors