Hancock County Flood Risk Reduction Program Update
Public Presentation - April 4th, 2022 - Questions/Response

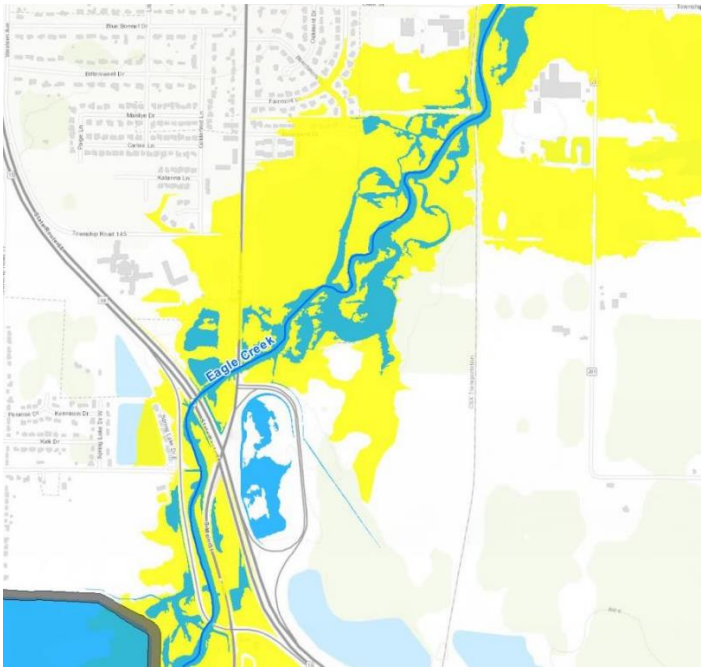
What are the total program costs?
The active projects within the Hancock County Flood Risk Reduction Program are in various phases of design and construction. The table below lists the approximate project construction cost, including the appropriate levels of contingency based on the current level of design.

Phase of Work	Construction Cost
Hydraulic Improvements Phase I	$8 million
Norfolk Southern Railroad Bridge Replacement	$9 million
Additional Hydraulic Improvements	$5 million
Eagle Creek Flood Basin	$75 million
TOTAL	**$97 million**

Where can we find the reports / documentation? Program information can be found online at www.HancockCountyFlooding.com

EAGLE CREEK FLOOD BASIN

An idea to bench along Eagle Creek, around and downstream of the ODOT interchange/ramp to US-68 was proposed.
See figure below for modeled existing 1% Annual Chance Exceedance (ACE) (100-year) flood extents in yellow and proposed 100-year flood extents in blue. The proposed floodplain is mostly contained within the banks with the exception of some natural meanders through the forested area, if the Eagle Creek Flood Basin is constructed.



What will the cul-de-sac look like at the north end of the Eagle Creek Flood Basin? Will school buses and emergency vehicles be able to turn around? Are you still considering a T-turnaround?
The cul-de-sac will be a circle with a 42-foot radius that is sufficient for buses and fire trucks. A T-turnaround is no longer being considered.

Nearby residents had general questions/concerns regarding the embankment and asked about associated risk, maintenance and structural monitoring of embankment. The embankment is being designed and constructed in compliance with ODNR rules and regulations for dam safety. The embankment will be visually inspected on a regular basis. Reports of the inspections will be sent to ODNR and will be available to the public.

Will the northern most exterior drainage ditch connect to north central "small" neighborhood drainage and create additional flooding in their area? No, there will a separate drainage swale constructed along the embankment directly east to Eagle Creek.

How tall is the embankment from specific viewpoints and what is the effect on property values? The top of the embankment will be about 13 feet above existing ground near the residential properties at the north side of the basin. We do not have any data on the potential effect on property values.

Would this project bring about an influx of mosquitos to the surrounding area? It should not. The basin will be dry most of the time, except for the proposed wetlands in the middle of the basin. The wetlands will be at least ½ mile from any residential properties.

Will induced flooding upstream of the Eagle Creek Flood Basin impact my property / local roads? At this stage of design, there is only one (1) home upstream of the basin that is directly impacted by higher water surface elevations. Water surface elevations will be higher at CR 45 (1.5'), CR 40 (0.70'), and CR 37 (0.30') during a 1% ACE event. At CR 26, the water levels will match existing conditions.

What will happen at Eagle Creek if a 500-yr storm occurs, since the basin is designed for a 100-yr storm?
The volume of flow associated with the 100-year storm event (1% ACE) will be stored within dam embankment and will continue to be released at a slower rate through the static principal spillway structure. Eagle Creek flows greater than the 100-year storm would activate the auxiliary spillway. The auxiliary spillway is designed to safely pass flood flows up to the Probable Maximum Flood. Flood flows in excess of the 100-year storm will be routed over the auxiliary spillway and continue downstream through Eagle Creek. The flood basin is anticipated to drain a 100-year pool in approximately 4 to 5 days and return back to an empty, dry reservoir.

Why does the basin go up to EL. 813 feet if the water is only supposed to go to EL. 807 feet during the 100-year storm event? The maximum reservoir stage of 810 feet for the Probable Maximum Flood (PMF) event was used to develop the embankment crest elevation considering freeboard. Freeboard criteria for the embankment design was determined based on United States Bureau of Reclamation (USBR) Design Standards No. 13, Embankment Dams. Based on the freeboard analyses and USBR guidance, a dam crest elevation of 813.0 feet is recommended. The design team will continue to coordinate with ODNR on embankment freeboard during the project's Final Design stage

Will water get backed up all the way to EL. 813 feet? No

Will the basin slow down flows and significantly back up water upstream? No. The design of the basin is based on a 1% ACE. These flows will be stored within the basin. Flows greater than the 1% ACE will not be significantly slowed by the Basin. If the flow in Eagle Creek exceeds the 1% ACE volume, the additional flow will pass through the auxiliary spillway.

ADDITIONAL HYDRAULIC IMPROVEMENTS PROJECT

What amenities will be included in the Additional Hydraulic Improvement Benching project?
No decisions have been made on the amenities. The City of Findlay has begun working on a plan.