

## Cooperating Technical Partners – ASFPM CTP subcommittee Monthly Call – November 12, 2020

Attendees: Alan Lulloff, Brooke Seymour, Darryl Rockfield and Dave Knipe

### Best Practices

Darryl has completed a draft best practice write-up related to the freeboard grids MO is developing to promote community adoption of freeboard standards in the state.

The depth grids developed show how far beyond the SFHA the inundation for 1, 2 and 3 foot above the BFE will extend. The intent is to give communities information to show the extents of each so they can recognize the risk and potentially adopt higher standards associated with freeboard.

When they begin mapping the boot heel the streams are not as contained by bluffs and the freeboard extents will be much more extensive. They are considering starting with 0.5 foot of increase.

Alan highlighted that these depth grids can also be used to show communities the extent of the surcharge associated with one-foot surcharge floodways. FEMA proposed updates to their Standards and Guidance.

ASFPM had a phone call with Mike Grimm and some FEMA staff on October 28, 2020. ASFPM suggested that the surcharge averaging in conjunction with 2D modeling be given a pause. Testing has not yet been published and the modeling procedures have not yet vetted with communities. Laura Algeo indicated that the guidance can be revised if needed. FEMA had established an integrated planning team (IPT) and the IPT was involved in the development of the draft documents. FEMA wants to proceed with the proposed 2D floodway guidance.

ASFPM brought up the issue of higher standards floodways. Laura Algeo reached out to AFPM following the call and FEMA did add some additional language highlighting that community higher standards take precedence over FEMA minimum standards.

### Missouri flood mapping

Darryl provided some detail on the MO 2D modeling initiative. The mapping includes 22, 600 miles of Zone As, 3,200 miles of AEs and 2,700 miles of AHs developed using HEC-RAS 2D. The source of the topographic data is a one-meter cell size lidar dataset. The 2D mesh cells range from 10 to 150 feet depending on the location.

There is a funded project with FEMA wherein freeboard grids will be developed for the boot heel. These will be initiated over the next few months with draft maps in the July – August, 2021 timeframe

MO has done some comparisons between 1D and 2D floodways. Wood is in the process of developing a spreadsheet wherein the comparisons are documented.

### Webinars:

The webinar on using D/V products to map additional areas as floodways or use to delineate floodways was held on October 28<sup>th</sup>. Dennis Dixon with Pierce County, WA and Ataul Hannan with Harris County FCD presented. Alan provided an introduction on the history of floodways and the impacts. We conducted a poll where we asked attendees in their opinion what % of communities would adopt higher

standards floodways. The responses were that over 60% felt that at least half of the communities would adopt higher standards floodways if that were aware of the impacts. A copy of the poll is attached.

Brooke indicated she was surprised that more communities were not aware of the impact. Alan indicated that by default communities other than in the 8 states with higher standards receive one-foot surcharge floodways with no discussion regarding the impacts.

#### Up coming webinars

One option would be to have presentations on the flood mapping underway in Missouri. Dave indicated that Lori Cary-Kothera with NOAA indicated that she could get one of her colleagues to present on the Datum of 2022. Alan indicated he had heard a very good presentation on the topic at the Michigan chapter meeting in March.

#### LOMR Review Partners Program

Brooke is taking over management of the MHFD LOMR review partner program from Terri Fead who is taking Thuy Patton's former position with CO. CO has just begin included in FEMA's LOMR review partner program this year. This will help CO implement the program smoothly. Dave indicated that the Indiana LOMR review partners program has been funded. There will be a training session in December with implementation in January or February.

It is nice that the 18-year pilot initiative that was started with MHFD is becoming a formal program.

#### Best Practice option

Brooke asked if flood warning would fit into the focus of the CTP program. MHFD has a flood alert system. MHFD could provide information on how MHFD works with the National Weather Service, how they get the alerts out to communities and their messaging and signage. Brooke felt she could get Kevin Steward to prepare a write-up.

#### M&ES Standards Committee workplan

Dave will be reaching out to the CTP subcommittee to finalize the M&ES committee workplan.

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