

MINUTES

Kansas Hazard Mitigation Team Meeting

Date of Meeting - December 13, 2017

Attendees - See Sign-in Sheet (attached)

Introductions - Tom Morey, KHMT Chairperson opened the meeting with introductions. Attendees introduced themselves around the meeting room. Jake Gray requested that USACE assist with minutes for this and later meetings, as long as Silver Jackets Program funding allows.

KDA/DWR Update - Dane Bailey provided status.

Current Projects

- Floodplain mapping status
- Paper inventory reduction is active
- Levee Analysis Mapping Pro... spectrum of levee analysis and mapping procedures
- Base Level Engineering (2d modeling rather than 1d), previously FEMA centered on 1d due to limited availability of publicly available software, USACE now offers 2d
- Demonstrated 2d model floodplain mapping for Wamego
- Flood plan mapping
- Showing map Ellis County
- First phase
- Went over where the maps have been done and where it's going to be done next
- Mapped in water sheds top and working down stream
- 3 to 4 years to get done
- FY 17 starting with 15 county maps in paper
- New map areas Dickinson County, Rice County moving from paper mapping system
- Levees important in mapping FEMA Region VII 4 to 5 years
- Base level engineering change with FEMA
- One year in discovery to decide where to map
- Two years to get flood plain maps
- Base engineering allows to bring maps on the first visit
- Two decisional modeling instead of one decisional
- Corps designed two decisional modeling
- Takes bigger computers to complete
- Year and half to two years
- Next five years would like to have state wide
- One decisional is cross section downstream to upstream looking at peak discharge
- Two decisional show one cell to the next shows more data
- Watch flood occur
- Get link from Dane
- Showed 12 hour flood

2018 State Plan Hazard: Jeanne Bunting presented with slides (handout).

- 20 hazards, not including levees, dams and floods. This will be in next meeting March)

- Earthquakes ranking moved up from bottom to middle, but not ever expected over 3 on the Richter Scale
- Tom Morey commented to insurance commissioner, number of seismic events now several hundred per year vs over ten years ...Jeanne further noted six months 2016 1000 quakes, linked to Oklahoma and possibly Yosemite caldera, impact of volcanic hazard, but volcano is not listed
- Tom mentioned the team discussed the rankings at length
- Risk Management Agency
- Critical facilities impact is key consideration
- Agriculture historic review covered the period 2011 to 2016
- Drought is currently likely underway, yet again
- Expansive Soils due to clay found in KS
- Extreme Temperatures
- Hail Damage, Cheyenne most impacted
- Lightning, noted Sedgwick County (repeats frequently across these various hazards) is highest...possibly better reporting, 5 fatalities yet 16 injuries
- Major Disease Outbreak, KDHE wrote but not present
- Radiological, Wolf Creek nuclear plant lower than Riley County KSU research plant
- Soil Erosion and Dust,
 - o Jake Gray asked a question to KS Highway Patrol about how to write up fatalities get reported...answer was coded as low visibility and go to KDOT and details could be included in write up, Arizona has tips on traffic safety in storms
 - o ...tons lost per year but what did state gain?
 - o KS Biological Survey issue with 4.71 tons/acre/yr
- Tornadoes
- Sedgwick County again high
- Wildfire, red cedar contributes, rain
- growth burst cycle adversely contributing
- Plan revision timeline, 3rd meeting 3/20/18 on flood hazard
- Identifying New Mitigation Actions (handout).
- Goals and Objectives (handout).

USACE -

New Silver Jackets Interagency Nonstructural Projects

- Brian Rast provided status. USACE HQ provides funding to USACE districts to conduct technical services for the KHMT in alignment with the state HMP's flood hazard mitigation objectives. These are not grants.
 - o In October, USACE HQ selected over \$1 million of proposals SJ interagency nonstructural projects in KS and MO;
 - o KS \$306,000, not counting regular team funding which averages \$50,000/state
- Project management plans are drafted and were discussed recently at a joint meeting with KDEM and KDA/DWR on December 8th.
- Brian introduced the project managers (from various agencies in the room) and summarized each new project:
 - o High Water Signs, Ken Wade USACE, historic flooding signs including story elements and photos from various agencies, especially Kansas Historical Society
 - o Repetitive Loss Update, Steve Samuelson KDA/DWR
 - o Recurring Flood Identification, Dane Bailey KDA/DWR

- Salina Levee Safety, Jennifer Wood USACE, tabletop exercise focusing on overtopping (the greatest risk driver), evacuation plan, and community awareness (further details below under Levee Safety Program)
- Manhattan Levee Safety, Brian is PM, tabletop exercise focusing on interior flooding, emergency action planning, community awareness, and tying findings to the strong, existing floodplain management plan (further details below under Levee Safety Program)

Future Silver Jackets Interagency Nonstructural Projects

- Call for proposals will come earlier in year, possibly in January
- Discuss proposals next time
 - Hutchison project will be a good project
 - Others’ ideas are welcome

Past Silver Jackets Interagency Nonstructural Projects

- Florence areas that were mapped Tulsa district,
- Osawatomie project went well
- Pottawatomie
- Floodplain management plans are a key part of the current projects on eastern side of Missouri.

Levee Safety Program

- Hazard mitigation plans and mitigation around levees. Brian Rast explained the importance of the USACE National Levee Database (NLD) and the Levee System Summaries (LSSs) associated with each levee sponsor. The NLD will have a major face lift this year (possibly rolled out by March), which will greatly improve user interface. The state HMP should note these two tools are strategic planning tools for mitigation around levees. NLD and LSS will help the levee sponsors and affected communities beginning mitigation planning work, starting with funding and master planning with their levee district boards, county planning boards, and also with communities’ city councils. Local HMPs should be referencing the LSSs for all revisions or annual updates, especially when the USACE has classified the levee with a Levee Safety Action Classification (LSAC) of I, II, or III, which means the levee has risk drivers requiring actions. LSAC I is the Very High risk, and LSAC V is Very Low. A standard set of state verbiage should be developed for all Local HMP revisions where levees in the USACE program exist, and the Local HMPs should be referencing the NLD. The USACE HQ selected two Silver Jackets Levee Safety pilot projects that will do tabletop exercises, and more importantly, the projects will help the communities strengthen risk communication and target risk management options, such as mitigation actions like emergency action planning (thresholds, calling trees, key messages, specific actions), evacuation plans, and physical and nonphysical measures that will help the communities to reduce their risk. These include a variety of nonstructural measures that diversify the flood risk management approach and reduce reliance on levees alone. The two projects offer a means for the state to establish the verbiage, reference the NLD and LSSs, and the develop specific planning steps for levee related mitigation actions.
- Jennifer Wood contributed to the discussion
 - What communities are doing and what will happen in the future
 - Levee System Summaries should be easy to read and help people understand the area risk
 - Many LSSs are already loaded to the system
- Manhattan Levee Safety project. Brian Rast noted a Kickoff Meeting was held December 12. Manhattan tabletop exercise will coordinate with Salina one, including similar elements but more importantly sharing new ideas across the communities, such as the floodplain management

planning. Local HMPs revision will be suggested to capture USACE Levee Safety Program's Levee System Summaries and develop flood mitigation actions.

- Salina Levee Safety project. Jennifer Wood gave a status update. A Kickoff Meeting was held November 3rd. The tabletop exercise will be March 8th.
- Levee Inventory and Review. Jennifer Wood gave a status update. She is the liaison lead for MT and KS.
 - o USACE HQ sent letters to all governor's offices.
 - o USACE offers, through two past Water Resources (Reform &) Development Acts, one-time inspection of all levees in state for developing and existing state programs

Hazard Mitigation Project Updates - Jake Gray provided status.

HMGP (Open application Period DR)

- DR- 4287. Selected, safe room. Review funds couldn't be approved
- DR- 4304. Selected, safe room. Mulvane approved
- DR- 4319. Just got \$6 million can also help fund the others. Six- month lock in letter \$6 million medical center decided not to move forward safe room
- DR- 4347. Medical center safe room cancelled last project after approval, may not do again...consensus to end that project and fund other potential mitigation efforts

PDM/FMA Update

- Other places to move forward with PDM safe room awaiting approval for FEMA.

New and Unfinished Business -

Presentations / Training for next meeting

Jake Gray called for interested parties to let him know if interested in presenting in coming meetings.

Next meeting at Kansas Historical Society, 6425 SW 6th Ave, Topeka, KS, 66615, in museums class room.

Directions: Take Wanamaker exit and follow signs to history museum

Upcoming Meetings

- March 29, 2018 (KSHS)
- May 30, 2018
- September 18, 2018
- December 11 or 18, 2018 (Choose at next meeting)