

BARNARD LEVEE MEETING NOTES

Location: Barnard Community Building
303 Main St, Barnard, KS

Date: February 4, 2020

Time: 1:00 PM

Facilitator: Tara Lanzrath, KDA

Discussion Topics

1. The meeting began with an overview of the Lincoln County floodplain mapping project, and indicated that this meeting was being held to address the Barnard Levee.
2. The Barnard Levee was constructed by the USACE in 1957, but ownership was turned over to the City of Barnard, for operations and maintenance.
3. A routine inspection occurred in July 2019, and Janet Dowlin accompanies the engineers when they do the inspection.
4. Barnard had the closure structures inspected and this information was sent to the USACE.
5. The Operation and Maintenance (O&M) Manual is from 1979, and Jennifer Wood with the USACE confirmed they do have a copy of this.
6. The foundation and Embankment Stability involved in levee certification typically involves drill rigs, which is costly.
7. Mapping options were discussed with the City of Barnard that included levee certification as well as the natural valley mapping option since the levee would need to meet 65.10 certification in order to be shown as providing flood protection on the Flood Insurance Rate Map (FIRM).
8. Within the presentation on the levee map, purple indicates 4 feet or more of freeboard, while yellow indicates 3-4 feet of freeboard. The red area indicates a closure structure, and old railway embankment at about 2.8-2.9 feet of freeboard, which is slightly deficient. It is believed that the deficient area could be addressed fairly easily.
9. Natural Valley is not shown as it will be exactly on the FIRM within the presentation, but it was noted that it will still show flooding in most of Barnard.
10. It was indicated that depth maps would be good to provide at some point in the mapping process.

11. It was noted that the USACE does not generally certify levee systems, but Jennifer Wood did mention a cost-share program. However, this was noted as likely being more expensive than hiring their own engineer.
 12. Bob Keach mentioned that they do not have the money to certify the levee system or hire an engineer.
 13. Barnard mentioned that the biggest problem that they face in town is seepage from the groundwater, which is not covered by flood insurance.
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Action Items

1. KDA will send out the meeting notes, sign-in sheets, presentation, and a link to the web map showing the draft Base Level Engineering floodplains in Lincoln County.
2. The City of Barnard is asked to decide for certain about intentions to certify the levee system by May 31, 2020.