



Scope of Work

This technical assistance project will analyse 4 improvement alternatives. The improvements that will be analysed include:

- Morton Salt Meeting
 - Representative of KDA, South Hutchinson, and Wood will attend a coordination meeting with Morton Salt to discuss the flooding risk, potential mitigation options on owned property, and benefits to the community.
- Inline Detention/Retention – Upstream of South Hutchinson
 - Wood will evaluate adding inline detention/retention in rural areas upstream of the City of South Hutchinson. The intent of these areas would be to remove and store flooding events upstream of the City of Hutchinson while avoiding any upstream impacts and risk. Potential areas have been identified upstream of Whiteside Street and between 6th Avenue & Blanchard Avenue.
- Bypass Channel & Detention
 - Wood will evaluate the construction of a bypass channel at/or just upstream of Whiteside Street. This bypass channel would take excess runoff to the north along Whiteside Street to a designed ponding area between Morton Drive and Whiteside Street. The intent of this improvement would be to reduce the flood frequency flows and flood risk areas through the City of Hutchinson. This alternative may include the addition of an additional levee penetration near the outlet of the bypass location.
- Pump Station & Detention
 - Wood will evaluate adding detention adjacent to the levee system between 130+00B and 150+00B coupled with a pump station. The detention area and pump station combination would conceptually reduce ponding adjacent to the levee system by providing detention volume capacity and conveyance capacity during high tailwater conditions along the Arkansas River.
- Buyouts
 - Wood will evaluate the cost effectiveness of buying out those structures within the 1% annual chance floodplain both separately and in combination with the prior stated improvements. Note that this will be a simplistic analysis and would be the basis for recommending a FEMA BCA analysis project, but not the FEMA BCA analysis itself.

In addition to analysing the improvement alternatives, Wood will produce budget level cost estimates of the improvements. The results of the improvements and cost estimates will be published in a technical report.

Estimated Schedule

The following is an anticipated schedule for this technical assistance project.

- Draft Improvement Results/Key Stakeholder Meeting – Week of July 19th
- Final Improvement Results & Report – Week of August 23rd

