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# AGENDA REPORT

**Meeting Date:** January 6, 2022  
**Prepared By:** Jason Greiner  
**Date Prepared:** 1/3/22

**Item Number:** 5  
**Account Code:** \_\_\_\_\_  
**Exhibits:** \_\_\_\_\_

## Subject

Consider and act upon a flood study at Hooper/Steel.

## Recommendation

Motion to table this item until the next meeting.

## Discussion

The Wylie Economic Development Corporation is investigating potential infrastructure improvements to help attract light industrial development to the area. The intersection of Steel and Hooper shows several undeveloped lots along the western side and there is a stream that runs from north to south through the middle of this undeveloped area. The stream is unmapped by FEMA within this specific area but shows to be Zone A downstream of Hooper Road. There should be no FEMA coordination needed.

In order to meet the City of Wylie Engineering Standards, this stream needs to be studied to identify the existing and fully developed flow rates and to establish the local floodplain limits. It is anticipated that reclamation is desired to understand what these properties may be able to achieve in order to develop. In addition, the culvert crossings under both Steel and Hooper are thought to be undersized and may need to be improved to help with potential floodplain reclamation. This scope will investigate potential upsizing of these crossings.

There have been a couple of prior hydrologic and hydraulic studies performed in this area associated with individual developments. Both were prepared by the same engineer but show very different results in flow rates due to differences in time of concentration. This flow rate change drastically changes the limits of the floodplain.

WEDC Staff will provide additional information and cost estimates, but additional time is needed to visit with our engineering department. Staff recommends that the Board table this item until the next meeting.