

**ITEM:** This Floodplain Permit Application is for bridge maintenance to the Main Street bridge over Merkle Creek between Merkle Drive and Hal Muldrow Drive.

**BACKGROUND:**

APPLICANT: City of Norman Streets Department

CONTRACTOR: TBD

ENGINEER: Brandon Brooks P.E., CFM

This project involves routine maintenance activities on the bridge located between Merkle Drive and Hal Muldrow drive over Merkle Creek on Main Street. Work to be performed includes repairing the bridge deck, clean-up of channel and slope stabilization in the immediate vicinity of the bridge, as well as crack repair and joint sealing of the bridge deck. Any material placed in the channel will be to replace what has been lost to scour and erosion.

Site located in Little River Basin or its Tributaries?      yes       no ✓

**STAFF ANALYSIS:**

The project is located in the Merkle Creek floodplain (Zone AE). Base flood elevation is 1146.6', and the engineer has certified that there will be no increase in the base flood elevation as a result of this project.

## Applicable Ordinance Sections:

36-533 (e)(2)(a).....

(e)(2)(e).....

(f)(3)(8).....

## Subject Area:

Fill restrictions in the floodplain

Compensatory storage

No rise considerations

(e)(2)(a) and (e)(2)(e) Fill Restrictions in the Floodplain and Compensatory Storage – The use of fill is restricted in the floodplain unless compensatory storage is provided.

The applicant has indicated that no new fill will be brought in as a result of this project, other than what is necessary to replace what has been lost to erosion and to stabilize the banks to prevent erosion. Rip rap and other stabilization material will be installed at grade.

(f)(3)(8) No Rise Considerations – For proposed development within any flood hazard area (except for those designated as regulatory floodways), certification that a rise of no more than 0.05 feet will occur in the BFE on any adjacent property as a result of the proposed work must be provided.

The engineer has certified that the project will not cause a rise in the BFE which meets this ordinance requirement.

**RECOMMENDATION:** Staff recommends that Floodplain Permit Application #719 be approved.

**ACTION TAKEN:** \_\_\_\_\_