



Date: _____

Permit # (office use) _____

BRIDGE CONSTRUCTION

YANCEY COUNTY BUILDING PERMIT APPLICATION

Job-site Address: _____ PIN#: _____

Directions to job site: _____

Permit Type:

Project Description: _____

Property Use: _____ **Located in Floodway or Non-Encroachment Zone (Y/N):** _____

Property Owner: _____ **Phone #:** _____

Owner Address: _____ **City:** _____ **St:** _____ **Zip:** _____

Owner Email: _____

Applicant Name: _____ **Phone #:** _____

Address: _____ **City:** _____ **St:** _____ **Zip:** _____

Applicant email: _____

General Contractor: _____ **NC License #:** _____ **Phone:** _____

Subcontractor Information:

Electrical: _____ **License#:** _____ **Phone:** _____

Other: _____ **License#:** _____ **Phone:** _____

Contract Cost:

Building/Bridge \$ _____ + Electrical \$ _____ + Other \$ _____

=Total Contract \$ _____

Utilities: (If applicable)

Electrical:

Information Regarding Bridge Construction

Bridge projects vary greatly depending on such factors as: the stream to be crossed, intended use, span length, number of houses served and type of development the bridge will be accessing. For this reason, each bridge has unique design requirements. Below are answers to some common questions and need to know information before starting a bridge project:

Is a permit required to build a bridge?

*Yes- In order to be in compliance with the NC Building Code and NC Fire Code. The NC Attorney General's office issued an interpretation on this in April of 2005. If the bridge will be used by more than one house, townhouse or duplex, it must meet minimum safety outlines.

What are the design requirements?

*Bridges must meet the emergency vehicle access requirements in Section 503.2.6 of the NC Fire Code in order to support the weight of these vehicles and provide a width suitable for them to cross. If the bridge will provide access to more than one dwelling, it must also comply with Standard AASHTO HB-17 from the NCDOT. The NC licensed engineer will determine the structural design to meet these standards.

How wide does the bridge have to be?

*The width of the bridge depends on the intended use that is documented on the permit. A development or subdivision (2 or more residences) requires the primary road into the subdivision to meet specifications for a "Fire Apparatus Access Road". The code requires an unobstructed road width of 20 ft. not including the shoulders, which means that the bridge must also have a 20 ft. wide surface for travel. The Fire Code Official has authority to require lesser or additional size requirements based on individual situations.

How far above the waterway does the bridge need to be?

*The bridge must be high enough that it does not impede the flow of water during a flood event. In Special Flood Hazard Areas, the lowest part of the bridge structure must be at the Regulatory Flood Protection Elevation. This is defined in the Flood Ordinance as the Base Flood Elevation (or BFE) plus a Freeboard of 2 feet. If there is no BFE data available, the lowest part of the bridge structure is to be 2 feet above the highest adjacent grade.

References:

2018 NC Building Code, 2018 NC Fire Code, 2018 NC Administrative Code, NC General Statutes, Yancey County Flood Prevention Ordinance, NC Department of Transportation