



## Bridge Permit Deliverables Checklist

The following checklist outlines the materials that must be submitted to Boulder County Building Safety and Inspection Services to obtain a Floodplain Development and Building Permit for a bridge:

- Completed Application Form
- A deposit, two complete sets of plans, and an electronic copy of all files (including HEC-RAS files)
- Approval of all necessary local, state, and/or federal permits
- Letter from appropriate fire protection district
- Verification of legal access (where applicable)
- Traffic control plan drafted by a Traffic Control Supervisor
- A geotechnical investigation report with recommendations or a brief narrative from a geotechnical engineer describing why the report is not needed

### FOR FLOODPLAIN DEVELOPMENT PERMIT

- Site Plan(s) at a scale of 1"=50' or larger, stamped by an engineer registered in the State of Colorado, which includes:
  - Property/site location
  - Current effective floodplain and floodway boundary
  - Existing/proposed channel and hydraulic structure locations with elevations
  - Proposed site grading, fill, and dredge locations with elevations
  - Location and elevation of adjacent roads, existing water supply, and sanitation facilities
  - Existing water supply ditches and laterals
- Plan view of the limits of the model flowline (typical valley cross-section[s]) at a scale of 1"=200' or larger, stamped by an engineer registered in the State of Colorado, which includes:
  - Channel(s) and/or flowpath(s)
  - Limits of floodway and floodplain
  - Location to be occupied by the proposed bridge
  - Existing and proposed base flood elevations (BFE) at cross-sections used in hydraulic models
- Existing/proposed floodplain and floodway analysis (HEC-RAS) per Section 4-407(B)(7) including all applicable requirements listed in the Hydraulic Modeling Submittal Guide

### FOR BUILDING PERMIT

- Site Plan(s) at a scale of 1"=30' or larger, stamped by an engineer registered in the State of Colorado, which includes:
  - Property/site location
  - Existing/proposed channel locations
  - Existing and proposed grading and hydraulic structure locations, with elevations (where applicable)
  - Location and elevation of adjacent roads, existing water supply and sanitation facilities (where applicable)
  - Existing water supply ditches and laterals
  - Erosion and Sediment Control Plans
  - Adjacent Right-of-Way and roadway facilities (where applicable)

- Structure Design/Building Plans at an appropriate scale for construction,  $\frac{1}{4}'' = 1'-0''$ , that includes plan, elevations, cross sections and details stamped by an engineer registered in the State of Colorado
- Specifications for construction and materials of bridge, stamped by an engineer registered in the State of Colorado
- Certification Statement Signed by the Design Engineer(s): "I hereby affirm that the design calculations and plans for the private access bridge at [insert address] were prepared by me, or under my direct supervision, for the owners thereof, in accordance with the requirements of the International Building Code, the Boulder County Land Use Code, the Boulder County Multimodal Transportation Standards, the Boulder County Storm Drainage Criteria Manual, any approved variances and exceptions thereto, and my professional engineering judgment. I understand that Boulder County does not and will not assume liability for facilities, structures, or improvements designed by others".

Registered Professional Engineer [Affix Seal]

State of Colorado No. \_\_\_\_\_