



MONTANA FISH, WILDLIFE & PARKS

ADDENDUM NO. 1

TO: ALL BIDDERS OF RECORD

PROJECT: Three Mile WMA Wheelbarrow Creek Bridge Replacement

FWP PROJECT #: 23-03

DATE: 3/10/2023

FROM: Jamie Mongoven, PE, Project manager

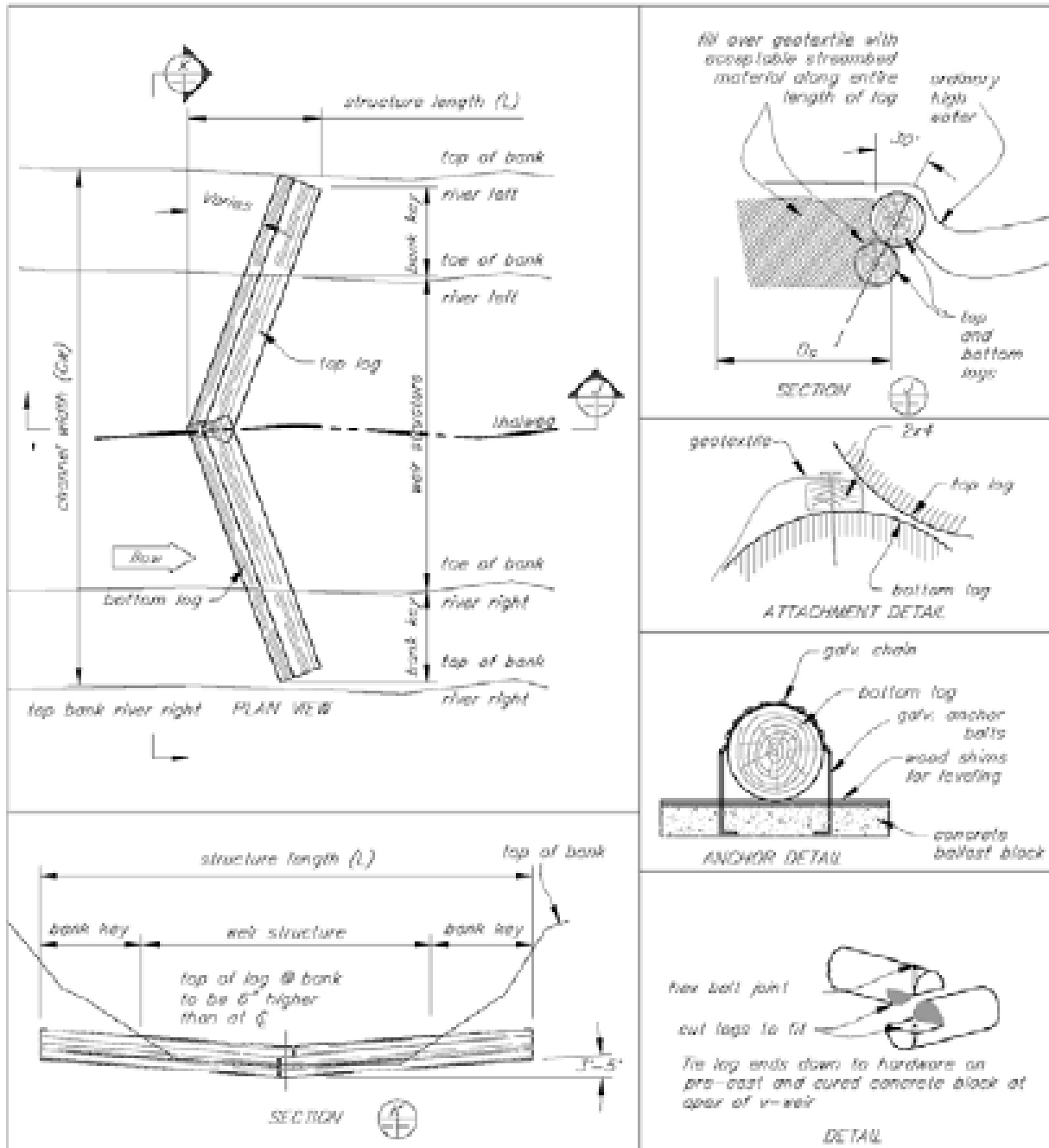
Acknowledge receipt of this addendum by inserting its number and date in the Proposal Form and on the Bid Envelope. Failure to do so may subject bidder to disqualification.

This Addendum forms a part of the Contract Documents. Clarification and/or modifications area as follows:

- Add grade control structures to bridge installation bid Item # 1.

See Attachments for Details

PERMANENT LOG WEIRS



PERMANENT LOG WEIRS

One or more logs or timbers spanning the entire stream, and long enough to pass bankfull flow (at a minimum) between the banks. Logs may be pinned together, or cabled or chained to ballast—a large, heavy object buried in the streambed or bank that acts as an anchor keeping the logs from floating

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away. Like rock and concrete weirs, log weirs should have a low-flow notch or slope toward the middle of the channel. Constructing them in a V-shape in cross section and plan view (V pointing upstream) forces water to converge in the channel center, and reduces the tendency to accumulate sediment and become vulnerable to outflanking.

To facilitate upstream fish passage, construct log (like rock) weirs in steps no higher than 5 inches of drop so local fish can jump.

Installing no fewer than six (6) log weirs in series.

Excavate the area around the existing culvert to the native material resembles a native streambed. The stream bed should consist of cobbles and sandy material. See bridge plans for more details on the cross section shape of the stream.

Logs should be a minimum of 8" in diameter and 4 feet long. Logs can be locally sourced and be untreated.

Labor and materials are to be included in the installation of the bridge bid item.