

FABRICATION OF STOPLOG UNITS
B. EVERETT JORDAN DAM AND LAKE
CHATHAM COUNTY, NORTH CAROLINA

DESCRIPTION OF WORK: The purpose of this contract is to have the Contractor fabricate, assemble, paint, and deliver two hydraulic steel structures. The work will primarily consist of two tasks: 1) fabricating and assembling two (2) stoplog structures; and 2) shipment to B. Everett Jordan Dam. All work will be performed in accordance with the contract drawings and specifications. Work also involves preparing final “As-Built” documents.

B. Everett Jordan Dam stilling basin stoplogs are hydraulic steel structures with dimensions 24’-6” wide and 4’-8” in height. The stoplog unit shall be a complete welded steel structure with fabrication and assembly performed in a fabrication shop. Side seals are J-type rubber seals, and the bottom seals are rectangular. The weight of each stoplog is approximately 6,000 pounds. B. Everett Jordan Dam and Lake is in Chatham County North Carolina.

FCM are shown on the Contract Drawings and include all attachments and connections to these members as defined in AWS D1.5M/D1.5. All materials to be welded must be ASTM A709/A709M, killed steel, grade as specified or shown on the drawings. Use Grade 50 steel unless otherwise shown or specified. Mill repairs of base metal are prohibited. Unless otherwise indicated or specified, meet toughness requirements for fracture critical members in tension in accordance with ASTM A709/A709M for Zone 2. All materials used for the construction of fracture critical components must meet the applicable requirements of ASTM A709/A709M for fracture critical components. Welding for fracture critical members must meet all requirements of AWS D1.5M/D1.5 AASHTO/AWS Fracture Control Plan (FCP) for Nonredundant Members Clause.

DELIVERY BY DATE: 15 January 2024