BOZEMAN MT

Memorandum

REPORT TO: City Commission

FROM: Griffin Nielsen, Project Engineer
Shawn Kohtz, Director of Utilities

SUBJECT: Authorize the City Manager to Sign a Professional Services Agreement with HDR Engineering, Inc. for the Lyman Transmission Predesign Phase Services Project

MEETING DATE: October 21, 2025

AGENDA ITEM TYPE: Agreement - Vendor/Contract

RECOMMENDATION: Authorize the City Manager to Sign a Professional Services Agreement with HDR Engineering, Inc. for the Lyman Transmission Predesign Phase Services Project.

STRATEGIC PLAN: 4.3 Strategic Infrastructure Choices: Prioritize long-term investment and maintenance for existing and new infrastructure.

BACKGROUND: Lyman Creek is the City of Bozeman's original municipal water supply, dating back to the late 19th century, and provides approximately twenty percent of the City's water. The supply originates as a spring on the western side of the Bridger Range and is conveyed, stored, and treated before entering the distribution system in the northeast corner of the City. The transmission system for the Lyman supply varies in age, with the oldest components still in use approaching 100 years of service.

The Lyman transmission system comprises both raw and potable mains. The raw water transmission main runs for approximately two miles from the spring source to the reservoir's inlet building. The main is a mix of 16-inch ductile iron and 18-inch asbestos concrete and cast iron. The potable water portion runs approximately two miles from the Lyman Reservoir outlet building to the Pear Street Booster Station. The main is primarily 18-inch cast iron originally installed in the 1920s, with some minor segments upgraded to ductile iron in 1969, 2006, 2007 and 2021.

The City recognizes the need to proactively plan and maintain its water system, and in doing so, is initiating the predesign phase of the Lyman Transmission Project, identified in the City's Capital Improvement Program (CIP) as Project No. W87. The predesign phase of the project will entail a detailed condition assessment of the Lyman Creek system potable water transmission main and the 18-inch asbestos concrete portion of the raw water main, known to be the most critical, to thoroughly understand the condition of the system. Using the condition assessment, an engineering analysis will be performed to arrive at recommendations about how best to rehabilitate the transmission system. From the recommendations, the City will determine how to move forward into the design and construction phases of the project.

HDR Engineering, Inc. was selected to provide engineering services for the Lyman Transmission project pursuant to formal procurement action under Sec. 18-8-204 Montana Code Annotated. The scope of service in the attached professional services agreement (PSA) with HDR covers the entirety of the predesign phase. Note that both the Lyman Transmission Predesign and the Lyman Reservoir Predesign, currently underway, are both identified in the CIP No. W87, the efforts are separate.

UNRESOLVED ISSUES: None

ALTERNATIVES: As suggested by the Commission

FISCAL EFFECTS: The negotiated costs for the attached PSA total $448,905. These costs are funded by Commission approved budget appropriations for CIP No. W87. Including the Lyman Reservoir Predesign, the current unobligated budget authority available in FY26 for CIP No. W87 is $796,600. Adequate funding exists to cover the cost of the negotiated PSA.

Attachments:
Lyman Transmission Predesign_PSA_HDR.pdf

Report compiled on: October 8, 2025