January 5, 2021

Common Council

RE: Request Authorization to Seek Proposals for Engineering Services for WRF Aeration Basin Clariflocculator and Siphon Piping Construction
Project Number 2629 /CIP Number 51129

The City of Rapid City (City) in 2016 completed a Facility Plan (Plan) for the City’s Water Reclamation Facility. The Plan evaluated the facility for compliance with future permits, hydraulic capacity, and maintenance/existing component replacement needs. The proposed clariflocculator project consists of the construction of a new clariflocculator, curtain wall, pumps, and improved flow handling structures.

The Siphon piping component of the project replaces or rehabilitates two existing buried steel siphon pipes, just downstream of the facility’s screening building, that have exceeded their design life.

Staff proposes to hire a Consultant to be responsible for designing and bidding the project. The same consultant will likely perform construction administration services under a separate contract to be negotiated later.

The project and professional services are proposed to be funded through a combination of Water Reclamation enterprise funds and a State Revolving Fund (SRF) Loan. The project budget for professional services (Design, Bidding, and Construction) is approximately $900,000. The construction project is estimated at $5,500,000.

Sincerely,

City of Rapid City

Stacey Titus, P.E.
Operations Management Engineer

Cc: Dan Coon, P.E., Assistant Public Works Director