

STAFF REPORT

Date: January 10, 2018

To: Mayor and City Council

Thru: Sabra Newby, City Manager

Subject: **B.10. Staff Report (For Possible Action): Approval of Consultant Agreement for Professional Engineering Services with Carollo Engineers, Inc., for the Northwest Reno Sanitary Sewer Capacity Analysis and Master Plan in an amount not to exceed \$379,700. (Sewer Fund)**

From: Dustin Waters, Associate Civil Engineer

Summary: Staff recommends Council approval of the consultant agreement with Carollo Engineers, Inc., in an amount not to exceed \$379,700 for professional engineering services to report on the capacity of nine major existing sanitary sewer systems in Northwest Reno under existing and future sanitary sewer demands. Recommendations will also be provided, as required, to address any deficiencies identified within the existing systems to accommodate anticipated future growth in the area.

Background: Various segments of some of these major sanitary sewer systems have been constructed and added onto for approximately 35 to 45 years. Growth specific to the area of study will likely generate higher wastewater flows than anticipated in the original design capacities. Several segments of these sewer systems are also in poor condition and nearing the end of their useful life. Replacement, rehabilitation and upgrades to capacity of these segments of the system will be required in the near future. A comprehensive analysis of the systems' capacity to handle existing and future development is required to provide master planning of required wastewater conveyance facilities before initiating replacement or rehabilitation construction activities.

Discussion: This contract will analyze capacity requirements of the existing system for handling future sewage flows from existing, planned, and future developments in Northwest Reno. A sewer collection model will be prepared based upon current and anticipated development patterns in the service area for updating and development of master plans and inclusion into the City capital improvements. This study will include flow monitoring within the nine identified sewer systems, in addition to other various locations throughout the City where isolated capacity assessments are required.

Financial Implications: Adequate funds are available from the Sewer Fund. Services performed under this agreement will be initially fully funded in an amount not to exceed \$379,700, with 50 percent from connection fee funds for future capacity and 50 percent from user fees for ongoing system maintenance.

Legal Implications: The parties are subject to the terms of the agreement.

Recommendation: Staff recommends approval of the consultant agreement with Carollo Engineers, Inc., in an amount not to exceed \$379,700 and authorization for the Mayor to sign.

Proposed Motion: I move to approve staff recommendation.

Attachments:

- Agreement (PDF)
- Corollo Vicinity Map (PDF)