



CITY COUNCIL MEETING

AGENDA SECTION	CONSENT
MEETING DATE	APRIL 26, 2021

ITEM:	Professional Services Agreement for Sewer Modeling for Sanitary Sewer Collection District 1		
DEPARTMENT:	Public Works	BY/DATE:	Kevin Hansen 4/21/2021
CITY STRATEGY: <i>(please indicate areas that apply by adding a bold "X" in front of the selected text below)</i>			
<input type="checkbox"/> Safe Community	<input type="checkbox"/> Diverse, Welcoming "Small-Town" Feel		
<input type="checkbox"/> Economic Strength	<input type="checkbox"/> Excellent Housing/Neighborhoods		
<input type="checkbox"/> Equity and Affordability	<input checked="" type="checkbox"/> Strong Infrastructure/Public Services		
<input type="checkbox"/> Opportunities for Play and Learning	<input type="checkbox"/> Engaged, Multi-Generational, Multi-Cultural Population		

BACKGROUND: BACKGROUND: The City of Columbia Heights has three collection districts providing sanitary sewer service for the entire city (attached). The City has previously experienced flow capacity issues in the trunk sanitary sewer system in Collection District 1. Issues such as size of pipe, grades or slope of the pipe, and flows exceeding the design capacity may be contributing factors reducing flow capacity. With proposed and/or potential development in Collection District 1, it is critical to have an in-depth analysis of the primary trunk mains serving this district to evaluate current pipe capacity and provide recommendations to ensure sufficient future capacity for sewage flows are available.

Staff requested proposals from engineering firms to provide this analysis. The scope of work will involve:

- Review existing sewer sheds
- Review existing and planned land uses
- Create Sewer Model
- Evaluate dry weather flow capacities
- Place flow gauges in manholes for the summer to determine wet weather flows
- Model dry + wet weather flows (continuous for 3-4 months) to evaluate existing and future capacity
- Provide analysis report with recommendations

Staff obtained proposals from AE2S and Bolton and Menk. The work programs from each firm was very similar with costs provided at \$32,000 and \$28,635.

RECOMMENDED MOTION(S):
MOTION: Move to approve a Professional Services Agreement with Bolton and Menk for engineering consultant services for the sanitary sewer modeling of Collection District 1 in an amount not-to-exceed \$28,635 appropriated from Fund 652-52108-3050.

ATTACHMENT(S): Sewer District Map