



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: June 6, 2016

Re: Public Hearing – Henderson Branch Sewer Extension

Executive Summary

Staff has prepared for Council consideration, a resolution to set a public hearing for July 5, 2016, for the design and construction of sanitary sewers to serve Henderson Branch Watershed.

The project includes approximately 8,600 linear feet of gravity sewer that would ultimately serve the entire Henderson Branch watershed. The construction estimate for this project is \$4,300,000 and will be funded by the Sanitary Sewer Utility.

Discussion

The scope of services for the Henderson Branch Sewer Extension includes extending public sewer from the existing Perche Creek Interceptor sewer to a point just north of the I-70 and US-40 interchange, near the Midway Auto Truck Plaza. See the proposed alignment on the attached drawing. Construction would include installing approximately 8,600 linear feet of gravity sewer ranging in size from 24"-30" diameter. The sewer could ultimately serve the entire Henderson Branch watershed, about 1300 acres and an additional 800 acres of property adjacent to the Henderson watershed. The project will allow the elimination of existing sewage treatment facilities that discharge into the Henderson Branch creek that flows into Perche Creek resulting in improved water quality in the streams. This project would allow for future development in the area to have access to public sewer, as well as allow for the elimination of additional private treatment facilities that discharge in the area.

Currently HDR Engineering is working on survey and geotechnical work necessary to complete preliminary plans. The preliminary cost estimate of construction is \$4,300,000. This is an increase over the original budget amount due to difficult geotechnical construction conditions in the Perche Creek floodplain. Amendment #3 to the General Cooperative Agreement with Boone County Regional Sewer District (BCRSD) provides for the Sewer District to provide \$628,047.00 toward the cost of this project.

An Interested Parties Meeting was held on February 2, 2016 with nine persons in attendance, seven of which are affected property owners. Other meetings have been held with individual property owners to discuss the alignment. Property owners have been agreeable or neutral concerning the project.

Once approved by Council the project will continue with final design, easement acquisition and final construction plans to bid. Construction is anticipated to start in June of 2017 and take six to nine months to complete.



Fiscal Impact

Short-Term Impact: The total construction cost of the Henderson Branch Sewer Extension is estimated to be \$4,300,000. The BCRSD will provide funding in the amount of \$628,047.00 for this project.

Long-Term Impact: The annual maintenance cost for the sanitary sewer collection system has averaged \$0.995 per foot based on the past three year average. This corresponds to an annual cost of approximately \$8,557.00

Vision & Strategic Plan Impact

Vision Impacts:

Primary Impact: Environment, Secondary Impact: Economic Development, Tertiary Impact: Development

Strategic Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Economy, Tertiary Impact: Tertiary

Comprehensive Plan Impacts:

Primary Impact: Environmental Management, Secondary Impact: Infrastructure, Tertiary Impact: Economic Development

Legislative History

| Date | Action |
|------------|--|
| 08/17/2015 | (B232-15) Amending the General Cooperative Agreement with Boone County Regional Sewer District |
| 08/03/2015 | (R125-15) Engineering Services Agreement with HDR Engineering for the Henderson Branch Sewer Extension Project |
| 08/05/2013 | (Ord 21760) calling a special election on whether to issue the Sewer System Revenue Bonds in the amount of \$32,340,000 for constructing, improving, repairing, rehabilitating, replacing, equipping, expanding, and extending the city-owned sewerage system. |



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Suggested Council Action

Approval of the resolution setting a public hearing for this project. Following public input and Council discussion at the public hearing, the Council should make a motion directing staff to proceed with the project.