

**Staff Responses to Council Questions**  
**June 4, 2019**

**8. First Reading, D. MOT 2019-8181 - Water Main Improvements Contract A, E. MOT 2019-8182 - Water Main Improvements Contract B, and F. MOT 2019-8193 - Water Main Improvements Contract C**

*How does staff select the water main sections to be replaced each year? What factors are used to determine the work?*

**Selection Process for Annual Water Main Replacements**

Staff evaluates a variety of factors when determining which water main sections are replaced each year. The history of main breaks, age of the water mains, condition of the pipes, hydrant flow, pipe size and improving area delivery are among the factors in determining what water mains will be scheduled for replacement. Additionally, some water mains that have been at the end or nearing the end of its useful life will be reprioritized so that the water main replacement can be completed in congruence with other capital projects or private development.

**Water Main Improvements Contract A and B**

Water Main Improvements Contract A and Contract B are being funded by a Loan Agreement with the Illinois Environmental Protection Agency (IEPA). The project locations were selected based on the criteria outlined above and included in the 2016-2020 Project Planning Document approved by the IEPA when the Village initially applied for the loan agreement.

**Water Main Improvements Contract C**

The existing water main at Brook Drive listed in Water Main Improvements Contract C was identified as being outdated and in need of complete repair due to its age. The Village scheduled the installation of a new water main within Brook Drive to coincide with a planned unit development at 1525 Brook Drive.

Black Oak Drive and Wilcox Avenue were selected for replacement based on the listed criteria, with an emphasis on the history of main breaks that have occurred at those two locations.

*How many trees will be removed with the watermain replacements? How many replacement trees will be planted?*

There are no plans to remove any trees as part of the water main projects.

**Attachments**