Chaska Area Sewer Inspection Project

SEWER INSPECTION
Begins December 2018

Metropolitan Council Environmental Services (MCES), operator of the metro-area wastewater collection and treatment system, will be inspecting the regional sanitary sewer pipes between Chaska and Shakopee. The pipes were originally constructed in the 1990s and have a variation of elevation changes and curves, lending to potential build-up of gases and deterioration. Work is expected to occur between between December 2018 and spring 2019.

How the Inspection Will be Done

The project will use SmartBall technology to inspect approximately 15,000 feet of pipes. Crews will insert a golf ball-sized sphere into the sewer pipes that will flow downstream and analyze the pipes with the use of an acoustic sensor to detect potential pipe deterioration. The ball will be inserted at the new lift station (L71) near 2nd St. and Beech St. in Chaska and will flow downstream to its retrieval point by Marystown Rd. and Hwy. 169 in Shakopee.

Project Phases

- Set up and site preparation (service road maintenance work, replacing sewer pipe valves)
- Flushing and cleaning the existing sewer pipes
- Inspecting the pipes and restoring the site

A floating dock and clear water pumping system, using temporary aboveground pipes, will be set up from the Minnesota River in Chaska to lift station L71. The system will be used to clean and flush the pipes before inspection and add water to the pipes so that the SmartBall flows through properly. MCES has been working with all appropriate regulatory agencies to coordinate the water pumping in advance.

SmartBall Technology process
What to expect

- Equipment set-up by the Minnesota River and new lift station in southeast Chaska, and along Hwy. 169 near Marystown Rd. in Shakopee
- 24-hour pumping from the Minnesota River during pipe inspection
- Short-term impacts to the trail along the north side of the Minnesota River in Chaska
- General noise, vibrations and odors associated with wastewater pipe access and cleaning

Additional activities

In addition to the inspection, the project will include:
- Minor reconstruction of a service road along the Minnesota River
- Cleaning debris from the pipes, particularly near Marystown Rd. and Hwy. 169 in Shakopee