



MEMO

DEPARTMENT OF PUBLIC WORKS

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To: Common Council
From: Fred Abadi, Ph.D., P.E.
Date: November 2, 2016
Re: Emergency Sewer Lining Whiterock Ave. and E. Moreland Blvd.
File ID#16-1680

On October 17, 2016, the Engineering Division was made aware of a sink hole that had developed over a 27" sanitary sewer in the intersection of E. Moreland Blvd. and Whiterock Ave. which is currently under construction to rebuild the roadway.

Upon investigation, it was determined that the sanitary sewer had deteriorated to the point in which it failed structurally creating a hole in the top of the pipe which caused the sink hole to form.

City personnel were called to the location to clean the material out of the sewer to prevent back ups of the sanitary system. Working with the contractor on site, a temporary repair was made to the sewer on October 19, 2016, in order to stabilize the sewer and to allow for the work on the E. Moreland Blvd. paving project to continue.

Based on the 2009 sewer televising, the sewer line along Whiterock Ave. from Rock St. to Elm St. must be lined to insure the structural integrity of the sewers along this street. As part of the paving project, the sewer was televised on September 13, 2016, and the sewer was intact. Comparing the sewer televising footage from 2009 and 2016, it showed the sewer had deteriorated in this location at a faster rate than anticipated mainly due to the proximity of the force main discharge on E. Moreland Blvd. that is related to the on-going hydrogen sulfide odor issues along that street.

In order to stabilize the sanitary sewer and prevent additional failures under the newly constructed roadway, the Engineering Division solicited quotes to line the sewer from Rock St. to Elm St. Two companies responded, and only one submitted a quote and was able to meet the timeline of completing the work prior to opening the roadway in November. The second company was not able to complete the work until after January. The company that submitted the quote was Michels Corporation at a cost of \$106,963.00.

We must complete the lining work as soon as possible to assure the sanitary sewer does not have additional failures under the new roadway. Completing this work prior to opening the roadway also eliminates the impact to traffic due to the by-pass pumping operations that would restrict traffic movement through the intersection.

We have determined that this is an emergency situation due to the structural condition of the sewer creating increased risk of additional failures and meeting the overall project schedule associated with the construction work on E. Moreland Blvd. Consequently, the normal bidding process can not be followed. Accordingly, we are following the FINANCIAL POLICIES AND PROCEDURES (F-6.0) PURCHASING AND BIDDING, 6.2.4 "When the need for an immediate purchase makes the procedure in this policy impracticable, following authorization of the Mayor or City Administrator, any budget authority may secure such supplies, materials, equipment, or contractual or professional services without taking formal or informal bids. A report of the circumstances of such a purchase will be provided to the Common Council within 14 calendar days."