

February 16, 2017

FOR YOUR INFORMATION

To: Mayor and Members of City Council

From: Harry Black, City Manager **HB**

Subject: **UPDATE: Riverside Drive Hillside Emergency Movement Mitigation**

This memorandum provides an update regarding the hillside stability issues effecting Riverside Drive. As noted in the City Administration's January 20, 2017, FYI Memo to Council, the City engaged a local geotechnical consulting firm, Terracon Consultants, Inc., currently under contract with the City to provide as-needed geotechnical services, to assist the Department of Transportation and Engineering (DOTE) in the evaluation of the related slope stability issues and to advise on necessary mitigation strategies.

Emergency Action

Preliminary testing and monitoring of the hillside movement by the consulting firm and the City indicates that, absent changed circumstances, there is potential for significant damage to the City's sewer and water infrastructure. If not mitigated quickly, damage to water and sewer infrastructure in this location could have the effect of interrupting water and sewer services for the residents and businesses in the area.

As a result of this assessment, the City is treating all procurement activities associated with this emergency situation as emergency purchases. Time is of the essence to prevent the potential utility service interruptions and to abate a potential threat to public health, safety, and welfare.

The emergency concerns that are the subject of the City's procurement relate to critical water and sewer infrastructure. The City is aware of no immediate risk to residents, pedestrians or vehicles. Nonetheless, the City is actively sharing its geotechnical data with other utility providers, including Duke Energy and the adjacent railroad, in order that they may assess the potential impacts of this slide on their assets and any resulting risks to the public.

In consultation with the aforementioned local geotechnical consulting firm and local design-build contractor, the City has developed a plan of action to address the threat to the City's infrastructure. The City will contract immediately with Richard Goettle, Inc. to design and construct a physical solution to address the potential for interruption of services. As time is of the essence in this emergency situation, Goettle was selected via an abbreviated and modified procurement process whereby the City reviewed the proposals submitted by Goettle and another firm. Although not required by CMC 321-89 and Administrative Regulation #34, we have taken this additional procurement step. Richard Goettle, Inc.'s proposal was found to be most advantageous to the City given their capabilities, past related experience with the City, approach to the project, and cost proposal.

Preliminary engineering work indicates the solution will likely require the City to have access to private property. As such, the City will expeditiously begin the process of notifying affected private property owners of next steps and acquiring necessary permissions.

Additional Study

The City has also installed additional inclinometers in the eastern slide area, which is outside the limits of the solution currently recommended by the City's geotechnical experts. The City Administration anticipates using this inclinometer data to more fully understand the extent and behavior of the eastern slide area. If additional measures east of the current proposal become necessary to protect public infrastructure, the City will analyze options and implement additional measures.

The City's emergency action is primarily driven by the potential impacts of the slide on public infrastructure, but the proposed public improvement project will also benefit other assets in the vicinity of Riverside Drive, including utility providers, a railroad, and private property owners in the vicinity of the proposed retaining wall.

Cost

Final costs are yet to be determined pending additional study of the site. However, the project is estimated to cost between \$5 and \$10 million and is to be paid for primarily with Metropolitan Sewer District (MSD) and Greater Cincinnati Water Works (GCWW) resources.

We have apprised Hamilton County of the situation in terms of the geological threat, our initial assessments and estimated associated costs. In the case of MSD, my office will be working pursuant to standard MSD fiscal policy and procedure and associated interfaces with Hamilton County.

Conclusion

The City Administration including DOTE, Law, the MSD, GCWW and my office are working as quickly as possible to shore up the hillside and will keep you apprised of developments as efforts progress, including an update at City Council's Neighborhoods Committee meeting on Tuesday.

Site map attached.

Attachments

DATE: February 13, 2017

TO: Patrick A. Duhaney, Chief Procurement Officer

FROM: Michael Moore, Director DOTE *mm*

CC: D. Gindling, J. Brazina, R. Pohana, DOTE; C. Bailey, V. Arnette, J. Pieper; GCWW; G. Checco, MSD; A. Garth, Law

SUBJECT: **Emergency Purchase Request in accordance with CMC 321-89 and Administrative Regulation NO. 34 to Richard Goettle, Inc. to design and construct hillside stabilizing solution**

The Department of Transportation and Engineering is requesting a waiver of competition in accordance with CMC 321-89 and Administrative Regulation NO. 34, on behalf of the Greater Cincinnati Water Works and the Metropolitan Sewer District of Greater Cincinnati, to prevent the potential interruption and allow the continuation of priority services and to abate a potential threat to public health or safety and/or welfare. Preliminary testing and monitoring of the hillside movement that has recently occurred along the portion of the hillside in the vicinity of 2009 Riverside Drive indicates that, absent changed circumstances, there is potential for significant damage to the City's sewer and water infrastructure. Damage to water and sewer infrastructure in this location could have the effect of interrupting services residents and businesses in the area.

The proposed scope of services includes the following:

- The design and plan preparation of retaining wall(s) or alternative solution based on design parameters established by Terracon Consultants, Inc.
- All construction services required to construct the retaining wall(s) or alternative solution.
- Associated legal and real estate work associated with gaining access to private property.

The services of Richard Goettle, Inc. are needed in order to design and construct a solution to address the potential for interruption of services. The City will also likely need to contract for the associated legal and real estate work associated with gaining access to private property.

The total value of the work associated with the scope of services listed above shall not exceed \$10,000,000.

If you have any questions, please contact Richard Pohana at 352-5278.

Patrick A. Duhaney

Chief Procurement Officer

Debra L. K...

City Solicitor

Michael Moore

City Manager

2/14/2017

Date

2/14/17

Date

2/15/17

Date

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