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## INTEROFFICE MEMO

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**DATE:** JUNE 7, 2016  
**TO:** JESUS CHAPA, ASSISTANT CITY MANAGER  
DOUG BLACK, SR. ASSISTANT CITY ATTORNEY  
**FROM:** CARMAN, WATER DIRECTOR  
**SUBJECT:** TRINITY RIVER STREAMBANK EROSION AFFECTING TWO 90"  
SANITARY SEWER LINES – EMERGENCY RESPONSE

Two 90" diameter sanitary sewer lines were installed in the 1960's and 1970's that initially connected the old Riverside Plant with the Village Creek Plant. They are generally aligned parallel to and offset from the Trinity River. These two pipelines currently convey the majority of the wastewater generated in Fort Worth to the Village Creek Plant, with flow capacity of upwards of 200 million gallons per day. With the recent heavy rains and associated flooding, approximately 300 linear feet of the Trinity River streambank has eroded to the point that the existing pipelines are in danger of being exposed and undermined. Should one of these pipelines start leaking as a result of soil movement or loss of soil support, the wastewater would flow directly into the Trinity River.

A two part solution is recommended. First, structural piles will be driven to support the pipes in the event of further flooding and associated erosion. Second, the Trinity River streambank that has eroded will be stabilized to prevent further erosion. Driving the piles can be performed as soon as we can get a boring rig and pile driver into the site. Stabilizing the streambank will require a Corps of Engineers Permit 13, which may take several weeks to obtain, but construction should be initiated immediately after receipt of the permit.

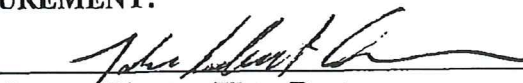
Waiting to bid and award a contract to support the existing pipelines or stabilize the streambank is not the best interest of the health and safety of the City of Fort Worth. Chapter 2, Article I, Section 2-9 of the City's Code of Ordinances and Section 252.022 of the Local Government Code exempts from normal bidding requirements expenditures that are necessary to preserve or protect public health or safety of the municipality's residents; and procurements necessary because of unforeseen damage to public machinery, equipment, or property.

This memo is submitted to request authorization for emergency procurement of engineering and construction services to support the pipeline and stabilize the Trinity River streambank. It is estimated that the engineering, permitting, and construction costs associated with these emergency repairs may cost approximately \$700,000. (Construction: \$548,835; Engineering: \$151,165)


A confirming M&C will be circulated to ratify the above activities after the work has been performed.

**APPROVED FOR EMERGENCY PROCUREMENT:**


Recommended:

  
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Carman, Director, Water Dept.

Approved As To Form and Legality:

  
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Douglas W Black, Sr. Assistant City Attorney

Approved:

  
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Jack Dale, Purchasing Manager

Approved:

  
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Jesus J. Chapa, Assistant City Manager