



ATTACHMENT 1

DR197

Department of Public Works

Approved and Requested
[Signature]
6/4/13

DATE: May 16, 2013

TO: Jim Sandoval, City Manager

VIA: Gary Halbert, Assistant City Manager *[Signature]*
R.A. Hopkins, Director of Public Works *[Signature]*

FROM: William Valle, Assistant Director of Engineering/City Engineer *[Signature]*
Kirk Ammerman, Principal Civil Engineer *[Signature]*

SUBJECT: Emergency Storm Drain Repairs at Brandywine Avenue South of Sequoia Street
(CIP No. DR197)

On April 11, 2013, a sinkhole within Brandywine Avenue, south of Sequoia Street, resulted in a collapse over several lanes due to the failure of an existing 36" Cast-in-Place Concrete Pipe ("CIPCP") storm drain.

On April 17, 2013, after inspecting the pipe system via closed-circuit television (CCTV), Public Works staff repaired another area of failure (a void in the bottom of the pipe) 80 feet from the storm drain inlet nearest the intersection. Fortunately, the cavity was not that large and staff was able to adequately patch the pipe with concrete from inside of the pipe.

Public Works Staff identified at least 180-LF of failure in the 36" CIPCP storm drain between Inlet ID No. 2662 and Inlet ID No. 2661, based upon CCTV. Because failure has already occurred within the system, immediate action is required to avoid damage to City and private infrastructure.

Public Works Operations staff has taken precautionary measures where deemed necessary to provide protection and safety in the interim until permanent repairs may be implemented.

Because of the advanced deterioration of this portion of the storm drain system, staff recommends that rehabilitation be performed immediately, on an emergency basis, due to imminent threats to public safety and to public and private property.

With your concurrence, staff will solicit three informal bids from at least three qualified contractors and perform this storm drain rehabilitation work on an emergency basis in accordance with provisions in Section 1009 of the City Charter in order to assure the protection of the public and of public and private property. An emergency contract will be let out to the low bidder out of the three solicited contractors. The design work is currently underway.

FISCAL IMPACT

There are no direct or dedicated funding sources for the maintenance and repair of storm drain facilities. This Project will use an estimated total of \$ 245,000 from CIP Project No. DR193, Emergency Storm Drain Replacement at Various Locations allocated in the CIP FY 12/13 (Transnet Funds).

Staff will return with a Council Agenda item to report final emergency repair costs and to appropriate funds, as necessary.

PRELIMINARY ESTIMATES OF FUNDS REQUIRED FOR CONSTRUCTION	
A. Informal Contract Amount	\$ 175,000
B. Public Works Inspection Staff Costs	\$ 20,000
C. Design Staff Costs	\$ 40,000
D. Survey/Public Works/Traffic Staff Costs	\$ 10,000
TOTAL PRELIMINARY ESTIMATE OF FUNDS REQUIRED FOR CONSTRUCTION	\$ 245,000

BFS

- cc Iracsema Quilantan, Assistant Director of Public Work Operations
- Silvester Evetovich, Principal Civil Engineer
- Frank Rivera, Principal Civil Engineer
- Robert Beamon, Administrative Services Manager, Public Works-Engineering
- Boushra Salem, Senior Civil Engineer
- Silvia Casio, Administrative Analyst II, Public Works-Engineering