

# Memorandum



CITY OF DALLAS

DATE September 18, 2009

TO Trinity River Committee Members:  
David A. Neumann (Chairman)  
Steve Salazar (Vice-Chair)  
Mayor Pro Tem Dwaine Caraway  
Deputy Mayor Pro Tem Pauline Medrano

Carolyn R. Davis  
Delia Jasso Vonciel Jones Hill  
Vonciel Jones Hill  
Linda Koop

SUBJECT **Periodic Inspection Report No. 9  
Maintenance Deficiency Correction Period (MDCP) August 2009 Update**

As of August 31, 2009, the City has completed 84 of the 198 items in the MDCP plan which is the action plan staff submitted to the US Corps of Engineers (USACE) to address the O&M deficiencies in the levee system as described in the Periodic Inspection Report No. 9. According to the USACE, the O&M repairs must be completed by April 1, 2009, for the levee system to be eligible for rehabilitation assistance. However, due to the complexities of the repairs, the City submitted to the USACE an action plan with 43 of the 198 items for repairs and/or replacements to be completed beyond the deadline date. The USACE approved this City's action plan on June 30, 2009. A budget of \$3.95 million is proposed in Fiscal Year 2009-10 in the Trinity Watershed Management Department to address some of the MDCP items. For those that require additional funding, it may be necessary to use bond funds sold for projects that are not ready for construction award.

Also, attached are before and after pictures of items completed in the MDCP in August 2009.

If you have additional questions, please let me know.

Jill A. Jordan, P.E.  
Assistant City Manager



**THE TRINITY**  
DALLAS

c: Honorable Mayor and Members of the City Council  
Mary K. Suhm, City Manager  
Ryan S. Evans, First Assistant City Manager  
A. C. Gonzalez, Assistant City Manager  
Forest E. Turner, Assistant City Manager  
David K. Cook, Chief Financial Officer  
Deborah A. Watkins, City Secretary  
Thomas P. Perkins, Jr., City Attorney  
Craig D. Kinton, City Auditor

Judge C. Victor Lander  
Helena Stevens-Thompson, Assistant to the City Manager  
Frank Libro, Director, Public Information Office  
Rebecca Rasor, P.E. Director, Trinity River Corridor Project

As part of the MDCP Plan approved on June 30, 2009, the City of Dallas and the USACE-SWF agreed to monthly updates of the process and status of the noted deficiencies of Periodic Inspection No. 9. This monthly update will serve as a summary of items addressed that did not require USACE approval. Before and after photos are included to document items that have been completed. Photo documentation is being recorded for filing purposes at all locations.

During August 2009, 21 additional items have been addressed.

The three "U" (Unacceptable) items addressed during August 2009 are documented below:

- 1.1 Corps. ID No. 073/089 – New Hampton Pump Station, East Levee – Riprap displaced from the slopes of the discharge chute to the bottom of the channel, exposing bedding.

The riprap was removed, the slope repaired and the riprap replaced.



- 1.2 Corps. ID No. 175 – Charlie Pump Station, West Levee – There was an erosion void under the stairs next to the pump house on the west side of the building. It was unclear how far back the void goes.

The source of erosion was identified and the void was repaired and filled using established levee repair procedures.



1.3 Nine of the addressed “M” (Minimally Acceptable) items fall into the category of erosion of slope or slides. These were all repaired using established levee slide repair procedures.

1.3.1 Corps. ID No. 063 – Turtle Creek Pressure Sewer, East Levee – There is erosion on both the right and left slope just above the corners of the discharge chute.



1.3.2 Corps. ID No. 074 – Hampton Pump Station, East Levee – There are slides on the right and left slopes downstream of the displaced riprap.

This item was repaired concurrently with the items in paragraph 2.1 and is further illustrated in the photos below.



1.3.3 Corps. ID No. 106 – Dallas Branch Pressure Sewer, East Levee – There is a 12 inch erosion depression on the down slope side of the service bridge abutment and a six inch erosion depression on the right side of the control structure on the levee.



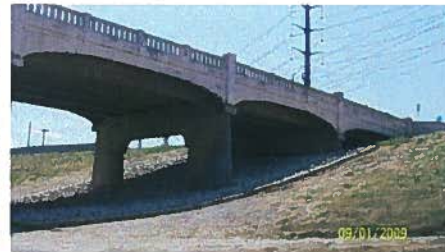
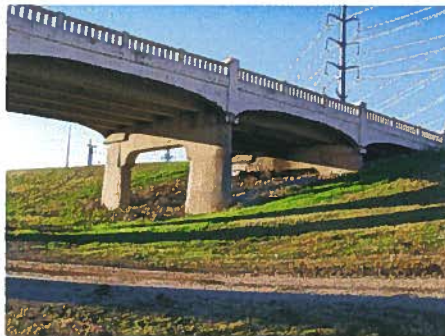
1.3.4 Corps. ID No. 109 – Turtle Creek Pressure Sewer, East Levee – There is erosion (6'W x 6' L x 6' D) on the right side of the control structure.



- 1.3.5 Corps. ID No. 143 – Station 134+20, West Levee – There is a 20 foot long erosion gully on the river side levee ramp.



- 1.3.6 Corps. ID No. 150 – Continental Avenue Bridge, West Levee – There is a depression in the riverside riprap slope under the bridge.



- 1.3.7 Corps. ID No. 168 – Lake Cliff Pressure Conduit, West Levee – There is erosion above the discharge chute (8'W x 40'L).



- 1.3.8 Corps ID No. 186 – Eagle Ford Sluice Gate, West Levee – There is an erosion gully (6"W x 3'L x 1'D) next to the landside upstream corner of the control structure which had undermined corner post of guardrail.



- 1.3.9 Corps. ID No. 229 – Lake Cliff Pressure Conduit, West Levee – There is a six inch erosion depression on the down slope side of the service bridge abutment on the levee. There is not a before photograph available at this location, see after photo below.



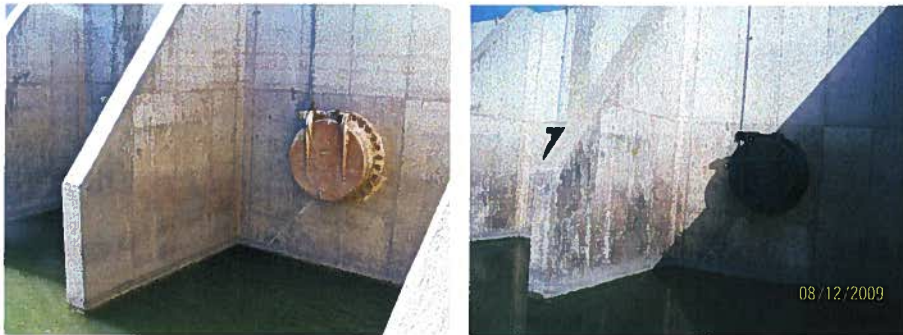
1.4 Four "M" (Minimally Acceptable) items, two of which are at the same location, were addressed during August 2009 by neutralizing rust and painting of metallic parts.

1.4.1 Corps. ID No. 066 – Belleview Pressure Conduit, East Levee – Slight rust on upper bridge girder.

1.4.2 Corps. ID No. 174 – Pavaho Pump Station, West Levee – There is corrosion on flap gates, trash rack and control structure grill platform.

1.4.3 Corps. ID No. 215/219 – Rochester Pump Station, Rochester Levee – Rust on pump station flap gates and walkway.

Below are before and after photos of the rust treatment at the Rochester Pump Station



1.5 Two "M" (Minimally Acceptable) items were addressed by de-silting the channels.

1.5.1 Corps. ID No. 047 – Dallas Branch Pressure Conduit, East Levee – There is deposition of 70% on the right side of the discharge channel.

Photos of the de-silted channel are shown below.



1.5.2 Corps. ID No. 048 – Woodall Rogers Outfall, East Levee – There is deposition of 75% on the right side of the discharge channel.

1.6 Corps. ID No. 159 – Big Coombs Creek Pressure Conduit, West Levee – This "M" item involved exposed steel reinforcement in the ceiling and cracking in the floor and wall. This was repaired by chipping out all of the loose concrete around and behind the exposed steel and cracks, then patching using an engineer approved sealant. Below are before and after photos at the Big Coombs Creek Pressure Conduit.





- 1.7 Corps. ID No. 104 – Baker Pump Station, East Levee – This “M” item notes that the hand rails at the top of the stairs behind the building are broken.  
The handrail was removed and replaced.



- 1.8 Corps. ID No. 238 – Pavaho Pump Station, West Levee – This item indicates there is 5"W x 8"L tear in the right side rail screen.

