

Memorandum



CITY OF DALLAS

DATE 20 June 2014

TO The Honorable Members of the Transportation and Trinity River Project Committee:
Vonciel Jones Hill (Chair), Lee Kleinman (Vice Chair), Deputy Mayor Pro Tem Monica
Alonzo, Mayor Pro Tem Tennell Atkins, Sandy Greyson, and Sheffie Kadane

SUBJECT Dallas Floodway Update

On 23 June 2014, you will be briefed on the Dallas Floodway Update. The briefing materials are attached for your review.

Please feel free to contact me if you need additional information.

A handwritten signature in blue ink, appearing to read 'Jill Jordan'.

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

Attachment

c: A.C. Gonzalez, City Manager
Warren M.S. Ernst, City Attorney
Craig D. Kinton, City Auditor
Rosa A. Rios, City Secretary
Daniel F. Solis, Administrative Judge
Ryan S. Evans, (I) First Assistant City Manager
Forest E. Turner, Assistant City Manager

Joey Zapata, Assistant City Manager
Charles M. Cato, (I) Assistant City Manager
Theresa O'Donnell, (I) Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Shawn Williams, (I) Public Information Officer
Elsa Cantu, Assistant to the City Manager – Mayor & Council

Dallas Floodway Update

Transportation and Trinity River Project Committee

Col. Charles Klinge

Commander, Fort Worth District

Jill Jordan, P.E.

Assistant City Manager
City of Dallas

23 June 2014



US Army Corps of Engineers
BUILDING STRONG®



Purpose of Today's Briefing

Overview of Periodic Inspection #10 ["PI#10"] for the Dallas Floodway System

Overview of the Dallas Floodway Project work-in-kind/cost share discussion



Periodic Inspection # 10

Purpose of Periodic Inspections

- Periodic Inspections [“PI’s”] are conducted every five (5) years
 - Verifying proper operation and maintenance [“O&M”]
 - Evaluating operational adequacy and structural stability
 - Identifying features to monitor over time
 - Improving ability to communicate overall condition of structure
 - Communicating actions that are required to improve functional and safety aspects of the levee system
- PI’s determine current Public Law [“PL”]84-99 eligibility
 - PL 84-99 provides funding for emergency repairs of damage resulting from flooding



Periodic Inspection #10



Periodic Inspection #10

- Previous inspection rated Dallas Floodway Levee System Unacceptable
 - Field work completed in 2007
 - Report released in 2009
 - Cited 198 O&M deficiencies – Remediated by City (Required remediation)
 - Cited encroachments by bridge piers, power towers and poles and jail basement (Required study)
 - Questioned geotechnical condition of levee (Required study)
- Request for continued eligibility in PL 84-99 was submitted by City and approved by Corps (extended through May 2015)
- City and Corps immediately began working towards remediation and study efforts to address issues
 - O&M deficiencies completed in 2012
 - Study items completed in 2013

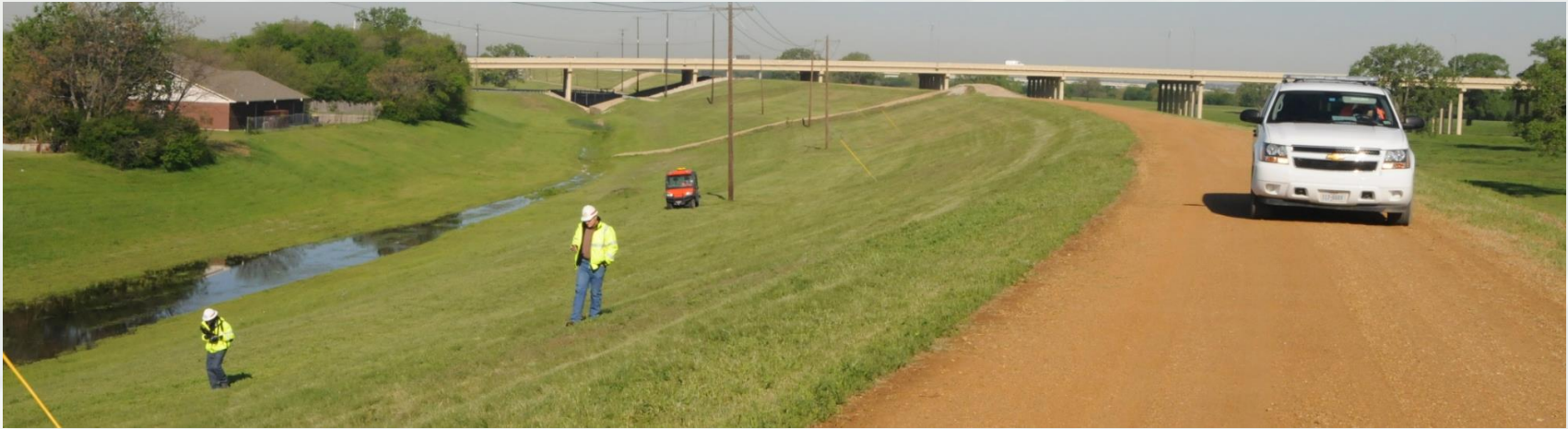


Periodic Inspection #10

- City and Corps began monthly meetings for inspection in October 2013
- 14-18 April 2014 – majority of field work occurred (follow on inspections occurring through the summer)
- City and Corps walked entire length of East, West and Central Wastewater Treatment Plant Levees. Also inspected pump stations, bridges and other major structures



Periodic Inspection #10



- 29 May 2014 – Corps shared preliminary items from field work that should be addressed through repair or completion
- City can address items before final ratings are assigned and report is issued in September 2014
 - Many are small in nature (i.e. painting structures to address corrosion)
 - Some require more work (i.e. repairing erosion under bridges, completion of East Bank-West Bank Interceptor Connector Remediation)



Periodic Inspection #10

- City is proceeding with addressing items; and East Bank-West Bank Interceptor Connection Remediation is currently on schedule to be complete by August 2014
- Corps will take this work into consideration prior to issuing the report in September 2014
 - If items are not addressed, then the 2015 Annual Inspection will be the next opportunity to change the rating
- Corps has approved the City's request to continue eligibility in PL 84-99 through May 2015 in the event current schedule changes



Periodic Inspection #10

- All levees are covered under existing PL 84-99 extension through May 2015
- If levees in PI #10 Report are rated “acceptable” or “minimally acceptable” then PL 84-99 eligibility would continue through Periodic Inspection #11
- If East Bank-West Bank Interceptor is not fully remediated and/or any levee is rated “unacceptable” then existing PL 84-99 extension would continue through May 2015
 - Levees would have to be remediated and re-inspected by an annual inspection in 2015
 - If not done before May 2015, then a new PL 84-99 extension would likely be required to maintain PL 84-99 eligibility



Dallas Floodway Project

- On 28 April 2014, Committee asked for break down of project cost and work-in-kind credit
- As a reminder, WRDA 2007 authorized Dallas Floodway Project (Section 5141) prior to completion of study
 - Project cost of \$459 million based on preliminary planning efforts and conceptual designs
 - Included Balanced Vision Plan and Interior Drainage Plan*
 - Included provision for work-in-kind/credit for planning, design and construction activities

*Intent in 2007 was for interior drainage facilities behind both the East & West Levee to be included, but Corps later determined that only the East Levee interior drainage was included.



Dallas Floodway Feasibility Study

- City and Corps were required to develop preliminary engineering plans to complete study phase
- Current estimate based on this preliminary engineering design is around \$1.4B
 - Includes flood risk reduction (levee raises, cut off walls, removal of ATSF bridge, and pump stations along East and West Levees)
 - Includes ecosystem restoration (river relocation and improved wetlands)
 - Includes recreation (finishing elements of lakes, trails, flex fields, council rings, amphitheaters, parking areas)



Dallas Floodway

Work-In-Kind Credit and Total Project Cost

- Recently passed Water Resources Reform Development Act of 2014 [“WRRDA 2014”] affects the Dallas Floodway Project
 - Added technical corrections to WRDA 2007 Section 5141 to insure potential credit for pump stations along the West Levee
 - Added nation-wide changes to credit provisions
- Impacts to credit provisions and application to Dallas Floodway Project will not be known until Implementation Guidance is approved by Corps
 - Corps will brief Council Committee in more detail when this is complete



Next Steps

- City completes remediation of East Bank-West Bank Interceptor and small corrections by mid August 2014
- Corps issues PI#10 findings – September 2014
- Corps completes Record of Decision for Dallas Floodway – December 2014
- Briefing to Council Committee on credit update – Fall 2014

