

# Memorandum



CITY OF DALLAS

DATE April 19, 2019

TO Honorable Members of the Mobility Solutions, Infrastructure and Sustainability Committee

SUBJECT **Supplemental Appropriation in the Bipartisan Budget Act of 2018 – Update on Flood Risk Management Projects**

This memo serves as an update to previous communications regarding funding that has been provided to the US Army Corps of Engineers (Corps) through the Supplemental Appropriation in the Bipartisan Budget Act of 2018 (PL 115-123) and programmed by the Corps for the Dallas Floodway (DF), Dallas Floodway Extension (DFE) and Lewisville Dam flood risk management projects. All work will be performed by the Corps and supported by City staff through a number of design and construction contracts.

The City was recently notified that the Corps has also included the Cadillac Heights Levee as part of the projects to be completed under PL 115-123. The addition of this project will complete the DFE and is an opportunity to deliver on the commitment to the residents and businesses for long awaited flood risk management. Included below is the overview of the current projects:

- DFE: Up to \$135.25M for Lamar Levee and Cadillac Heights Levee (Attached map)
  - Project is classified as an ongoing construction project
  - City is only obligated to expend funds to complete necessary real estate activities; these funds are potentially eligible for reimbursement from the Corps in the future
    - Real estate needs are not completely defined but will be brought forward for future considerations
  - Requires a supplemental agreement to the project cooperation agreement, tentatively scheduled for late May or early June 2019 City Council Agenda
  - Estimated completion no later than December 2024, weather dependent
- DF: \$261.9M for approved flood risk management such as levee raises and flattening, removal of AT&SF Bridge, Trinity Portland Pump Station, Charlie Pump Station, Delta Pump Station Rehabilitation, Hampton Pump Station and Nobles Sump Improvements (Attached map)
  - Project is classified as a new start construction project
  - City is only obligated to expend funds on 35% of the design and construction as well as necessary real estate activities; the real estate funds are credits against the cost share for the project
    - Cost consideration for the City is estimated at an amount not to exceed \$69.015M to be paid with 1998 and 2006 Bond Funds

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- Requires a project cooperation agreement for the flood risk management efforts (scheduled for consideration on the May 8, 2019 City Council Agenda)
- Estimated completion no later than December 2024, weather dependent
- Lewisville Dam: \$92M for the approved flood risk management such as spillway improvements and restoration of maintenance paths
  - Project is classified as an ongoing construction project
  - City is not obligated to expend funds for this portion of the project
  - Does not require a contract for consideration
  - Estimated completion late 2026, weather dependent

This funding and associated work for all three of these projects advances critical flood risk management and mitigation and provides a financial partner to complete the Dallas Floodway Extension, Dallas Floodway and the Lewisville Dam projects. This opportunity helps the City to complete these projects in a timely manner and reduce financial obligation for the residents and businesses. This would not be possible without the support and efforts of the City Council during visits and trips to meet with our federal partner, our state and federal delegation, and the Corps' leadership.

Please do not hesitate to contact me if you have questions.



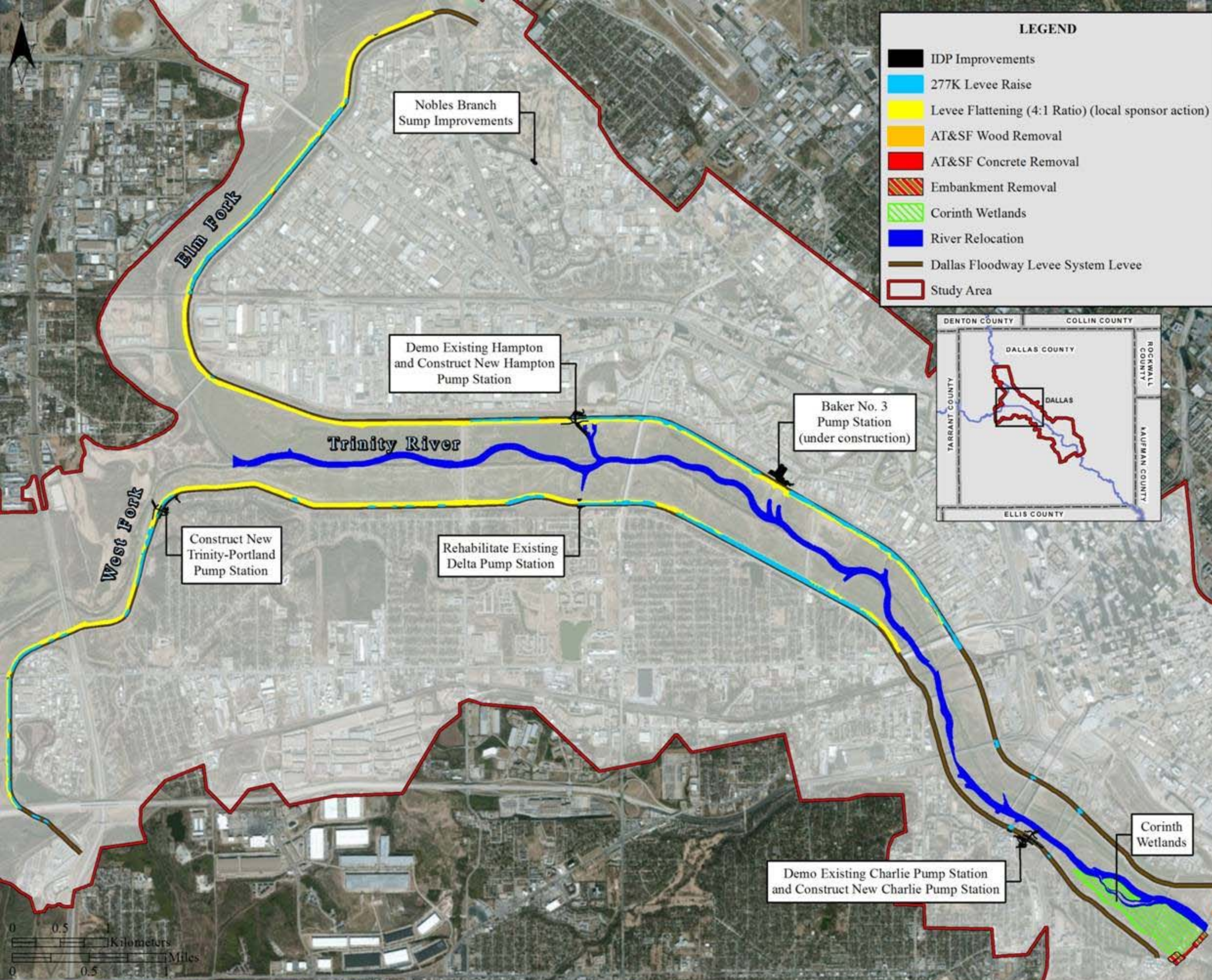
Majed Al-Ghafry, P.E.  
Assistant City Manager

[Attachments]

c: Honorable Mayor and Members of the City Council  
T.C. Broadnax, City Manager  
Chris Caso, City Attorney (Interim)  
Biliera Johnson, City Secretary  
Preston Robinson, Administrative Judge  
Kimberly Bizzor Tolbert, Chief of Staff to the City Manager  
Jon Fortune, Assistant City Manager

Joey Zapata, Assistant City Manager  
Nadia Chandler Hardy, Assistant City Manager and Chief Resilience Officer  
Michael Mendoza, Chief of Economic Development and Neighborhood Services  
M. Elizabeth Reich, Chief Financial Officer  
Laila Aleqresh, Chief Innovation Officer  
Directors and Assistant Directors





**LEGEND**

- IDP Improvements
- 277K Levee Raise
- Levee Flattening (4:1 Ratio) (local sponsor action)
- AT&SF Wood Removal
- AT&SF Concrete Removal
- Embankment Removal
- Corinth Wetlands
- River Relocation
- Dallas Floodway Levee System Levee
- Study Area

**Flood Risk Management**

- 277,000 cfs levee raise with AT&SF Bridge Modifications
- Emergency Action Plan improvements
- Levee side slope flattening to 4H:1V (Betterment @ 100% local cost)

- Interior Drainage Plan Phase I - Baker and Hampton Pump Stations; Nobles Branch Sump Improvements
- Interior Drainage Plan Phase II - Charlie, Delta, New Trinity Portland Pump Stations

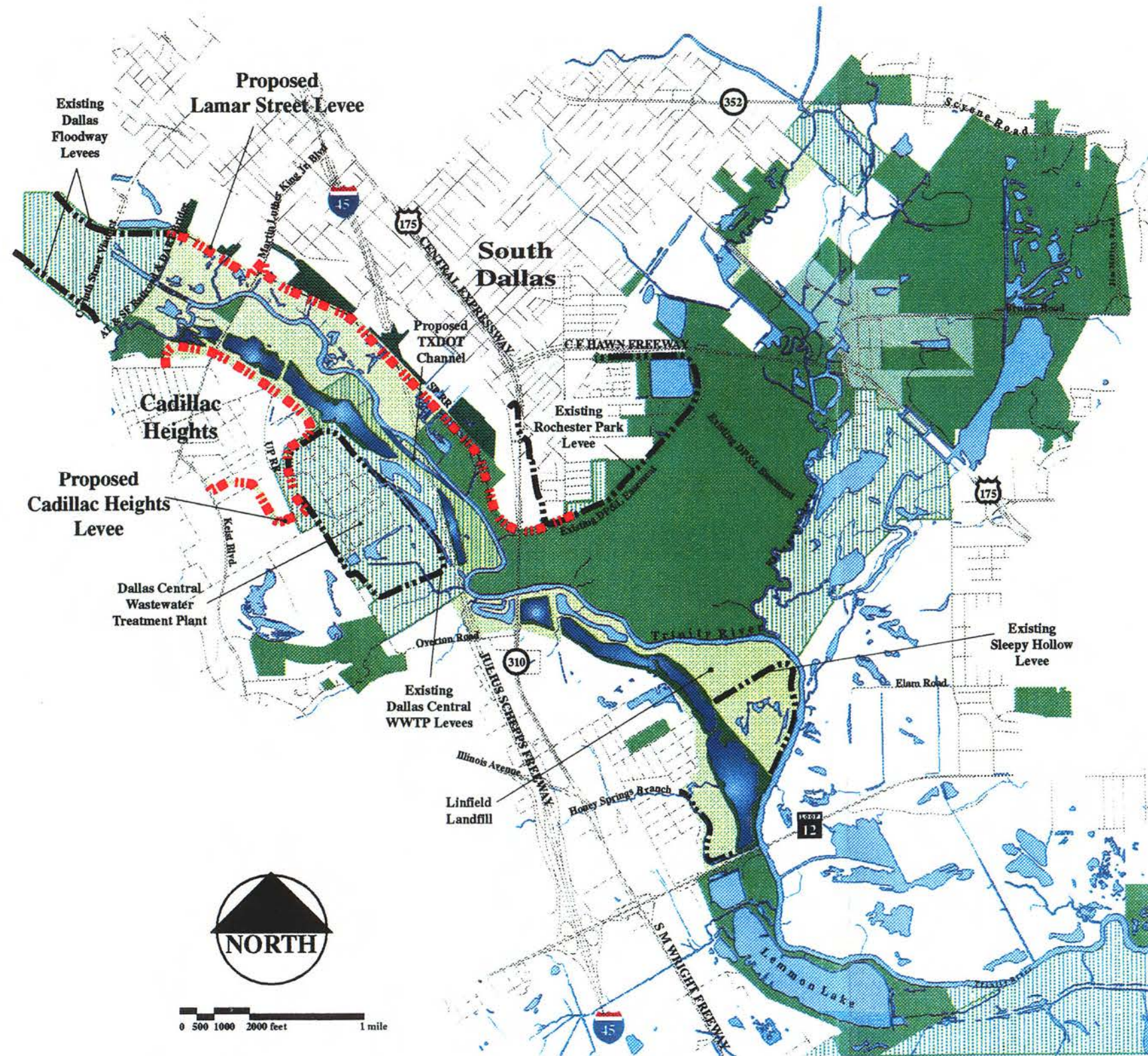
**Ecosystem Restoration**

- River Relocation (add meanders to approx. 8 miles of the Trinity River in the Floodway)
- Approx. 80 acre wetland in Floodway











**MODIFIED DALLAS FLOODWAY PROJECT - REFERENCE MAP AND RECOMMENDED PLAN**





### Legend

-  Public Park Lands
-  Other Public Lands
-  Proposed Project Lands
-  Proposed Sumps
-  Proposed Swale
-  Proposed Wetlands
-  Existing Levees
-  Proposed Levees

U.S. ARMY ENGINEER DISTRICT, FORT WORTH  
 CORPS OF ENGINEERS  
 FORT WORTH, TEXAS

GENERAL REEVALUATION REPORT  
 TRINITY RIVER, TEXAS  
 DALLAS FLOODWAY EXTENSION

**RECOMMENDED PLAN**

FIGURE 6-1